CHPRC-01905
Revision 1

MCNP Calculations Replicating Additional ARH-600 Data (2012 Subset)

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

CH2MHILL
Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

CHPRC-01905
Revision 1
EDC#: ECR-13-000943

MCNP Calculations Replicating Additional ARH-600 Data (2012 Subset)

Document Type: TR

S. H. Finfrock
CH2M HILL Plateau Remediation Company

Date Published
September 2013

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

CH2MHILL
Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352

APPROVED
By Shauna Adams at 9:56 am, Sep 26, 2013

Release Approval | Date

DATE:
Sep 26, 2013
HANFORD RELEASE

Release Stamp

Approved for Public Release;
Further Dissemination Unlimited

TRADEMARK DISCLAIMER

Reference herein to any specific commercial product, process, or service by tradename, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

This report has been reproduced from the best available copy.

Printed in the United States of America

Total pages: 772

CHPRC RECORD OF REVISION (ROR)	(1) Document Number CHPRC-01905

(2) Title
MCNP5 Calculations Replicating Additional ARH-600 Data (2012 Subset)

Change Control Record

(3) Revision	(4) Description of Change – Replace, Add, and Delete Pages	Authorized for Release (5) DA/TA Date
0	ECR-12-001446, Initial Release, dated November 19, 2012.	SH Finfrock
1 RS	ECR-13-000943, Revised portion of document pertaining to UO2 to show U density in addition to UO2 density and changed CritView input file to list U density instead of UO2 density.	SH Finfrock 9/26/13

MCNP5 Calculations Replicating Additional ARH-600 Data (2012 Subset)

Prepared by: Scott H. Finfrock
for
CH2M HILL Plateau Remediation Company
Richland, Washington

September 2013

Contents

1.0 Introduction **1-1**

2.0 Physical Parameters of the Models **2-1**

2.1 Geometry 2-1

2.2 Density 2-1

3.0 Automation Routine **3-1**

4.0 Description of the Data **4-1**

5.0 Conclusions **5-1**

Appendices

Appendix A **A-1**

Appendix B **B-1**

Appendix C **C-1**

Appendix D **D-1**

Appendix E **E-1**

Appendix F **F-1**

Tables

Table 2-1. Densities of Various Materials **2-5**

Table 2-2. Atomic Weights of Various Elements and Compounds **2-5**

Table 2-3. Cross-Sections Used in Models **2-5**

1.0 Introduction

This report serves to extend the previous document: "MCNP Calculations Replicating ARH-600 Data" (CHPRC-NS-00009) by replicating additional curves from ARH-600 that were not included in the original document. This report includes the MCNP models used, the calculated critical dimension for each analyzed parameter set, and the resulting data libraries for use with the CritView code. As with the ARH-600 data, this report is not meant to replace the analysis of the fissile systems by qualified criticality personnel. The MCNP data is presented without accounting for the statistical uncertainty (although this is typically less than 0.001) or bias and, as such, the application of a reasonable safety margin is required.

The data that follows pertains to spheres, infinite cylinders, and infinite slabs of varying isotopic composition, reflector thickness, and material composition. Each of the cases was modeled in MCNP (version 5.1.40), using the ENDF/B-VI cross-section set. Given a composition, geometry, and reflector thickness, the fissile concentration and diameter (or thickness in the case of the slab geometries) were varied. The diameter for which $k_{eff} = 1.0$ for each concentration could then be calculated and graphed. These graphs are included in this report. This document describes the modeling methods, assumptions, and results of this analysis.

The bulk of the data included in this report pertains to three general material compositions. The first is elemental plutonium with a ^{240}Pu content of 20 wt%, 15 wt%, or 10 wt%. The second composition of interest is uranium dioxide (UO_2) with ^{235}U enrichments of 1.3 wt%, 2.5 wt%, 3.0 wt%, 4.0 wt%, 5.0 wt%, and 6.0 wt%. Finally, 1.3 wt% elemental uranium was evaluated (for spheres only). Note that the 1.3 wt% data (for both UO_2 and elemental uranium) does not correspond to curves in ARH-600 but was included in order to provide data appropriate for lower enriched fuel.

The data of most interest are the critical dimensions of the various systems analyzed. This is presented graphically, and in table format, in Appendix B. Appendix C provides a text listing of the same data in a format that is compatible with the CritView code. Appendices D and E provide listings of example Template files and MCNP input files (these are discussed further in Section 4). Appendix F is a complete listing of all of the output data (i.e., all of the analyzed dimensions and the resulting k_{eff} values).

Revision 1 represents a change to the units provided for the MCNP UO_2 data set. In Revision 0 these data were presented in terms of concentration in units of grams of UO_2 per liter. They have now been changed such that the concentration is in units of grams of uranium per liter. This was done to be consistent with the ARH-600 data. This new concentration value was calculated by taking the old value and multiplying by the relative weight fraction of U in UO_2 for each case.

2.0 Physical Parameters of the Models

Each nuclear system model consists of two regions – the fissile region and the reflector region (in some cases the reflector has a zero thickness and is effectively absent). The outside edge of the reflector region (or fissile region in the cases without a reflector) was treated as a vacuum boundary. For each region, the material composition, density (which was calculated), and geometry were specified.

2.1 Geometry

For the core (fissile) region, the material was listed as a metal-water mixture (in the UO_2 cases it was a metal-oxygen-water mixture). The density of the region was calculated based on theoretical densities and specified fissile concentrations (which was varied). Note that, in the UO_2 cases, the fissile concentration is the UO_2 concentration. The geometry was either a sphere or infinite cylinder centered at the origin with radius R_c, or an infinite slab symmetric about $y = 0$ with boundaries of $y = \pm R_c$. The MCNP model of the infinite cylinder involved simply a cylinder with no minimum or maximum Z dimension. In the case of the infinite slab, a reflective boundary was explicitly specified at X=-100, X=+100, Y=-100, and Y=+100 (all units in centimeters).

For the reflector region, the material composition was listed as pure light water (^{1}H and ^{16}O atoms in a two to one ratio) and the density was assumed to simply be 1.0 g/cc. Material fractions were calculated as shown below in the calculations section**.** The geometry of this second region was a shell with the same general geometry as the core region (e.g., a sphere, cylinder, or slab) with a thickness of R_r. For the cases of the spherical and cylindrical shells, the reflector region is concentric with the fissile region with radius between R_c and $R_c + R_r$. For the infinite slabs, the reflector is composed of two slabs located between either $y = R_c$ and $y = R_c + R_r$, or $y = -R_c$ and $y = -R_c - R_r$.

2.2 Density

When running a model of a nuclear system in MCNP, the density of the regions described above must be taken into consideration, as well as the relative abundance of each of the isotopes in the mixture. This section specifies the equations used for determining these values. Also provided are the cross-section identifiers used in the MCNP calculations.

The MCNP calculations require that the relative mass fraction (or atom fraction) of each isotope in a mixture. This was determined by first calculating the weight fraction of the secondary isotope (e.g., ^{238}U or ^{240}Pu) and the resulting effective atomic weight of the elemental material. In all cases only two isotopes were considered (e.g., isotopes such as ^{236}U and ^{241}Pu were absent), and the mass fraction of the primary isotope (e.g., ^{235}U or ^{239}Pu) was given.

The weight fraction of the primary isotope in the elemental material (i.e., enrichment), and the concentration of the fissile material (U, Pu, or UO_2), is given for each case. In order to determine the weight fraction of each isotope it is first necessary to determine the weight fraction of both the fissile material and the water in the model.

These weight fractions are defined as follows:

$$\boldsymbol{WFf = \frac{Cf}{Dm}} \qquad \textbf{(Eq. 2-1)}$$

$$\boldsymbol{WFw = Cw/Dm} \qquad \textbf{(Eq. 2-2)}$$

WFf = *Weight Fraction of Fissile Material in Mixture*

WFw = *Weight Fraction of Water in Mixture*

Cf = *Concentration of Fissile Material in Mixture*

Cw = *Concentration of Water in Mixture*

Dm = *Bulk Density of the Mixture.*

The bulk density of the mixture (which is required by MCNP) is defined as:

$$\boldsymbol{Dm = Cf + Cw} \qquad \textbf{(Eq. 2-3)}$$

The concentration of the water is just the volume fraction of the water multiplied by the density of pure water (note that the mixture is assumed to not be a solution, i.e., the density is assumed to be equal to the sum of the parts). The volume fraction of the water is (by definition) just one minus the volume fraction of the fissile element. Therefore:

$$\boldsymbol{Cw = (1 - VFf) * Dw} \qquad \textbf{(Eq. 2-4)}$$

VFf = *Volume Fraction of Fissile Material in Mixture*

Dw = *Density of Water.*

The volume fraction of the fissile material is defined as:

$$\boldsymbol{VFf = Cf/Df} \qquad \textbf{(Eq. 2-5)}$$

VFf = *Volume Fraction of Fissile Material in Mixture*

Df = *Density of Fissile Material in Pure State.*

Equations 2-3, 2-4, and 2-5 can be solved using the given fissile material concentration and the densities from Table 2-1. Note that, for these analyses, approximate densities were used. This introduces a slight imprecision in the results.

Once the weight fractions of the fissile material and of the water have been determined it is possible to calculate the weight fraction of the fissile element, and of the individual isotopes that make up the fissile material.

The fissile element is defined as consisting of two isotopes, a primary (fissile) and a secondary (which may have a zero weight fraction). For plutonium the relevant isotopes are ^{239}Pu (primary) and ^{240}Pu (secondary), and for uranium they are ^{235}U (primary) and ^{238}U (secondary). The relative weight fraction of the primary isotope (i.e., the enrichment) is given as part of the problem definition. The relative weight fraction of the secondary isotope is defined as:

$$\boldsymbol{RWFs = (1 - RWFp)} \qquad \textbf{(Eq. 2-6)}$$

RWFs = *Relative Weight Fraction of Secondary Isotope in the Fissile Element*

RWFp = *Relative Weight Fraction of Primary Isotope in the Fissile Element.*

For the case of UO_2 the relative weight fraction of oxygen must also be determined and factored into the relative weight fractions of the primary and secondary isotopes of the fissile element. In order to do this it is first necessary to determine the effective atomic weight of the fissile element.

The effective atomic weight for the fissile element (at the given isotopic mix) is then:

$$\boldsymbol{AWf = (RWFp * AWp + RWFs * AWs)} \qquad \textbf{(Eq. 2-7)}$$

AWf = *Effective Atomic Weight of Fissile Element*

AWp = *Effective Weight of Primary Fissile Isotope*

AWs = *Atomic Weight of Secondary Fissile Isotope.*

This equation can be solved using the results of Equation 2-6 and the atomic weights given in Table 2-2.

The relative weight fraction of the fissile element (assuming a dioxide compound) is then:

$$\boldsymbol{RWFf = \frac{AWf}{(AWf + 2 * AWo)}} \qquad \textbf{(Eq. 2-8)}$$

RWFf = *Relative Weight Fraction of Fissile Element in Fissile Material*

AWo = *Atomic Weight of Oxygen.*

Similarly, the relative weight fraction for the oxygen is:

$$\boldsymbol{RWFof = \frac{2 * AWo}{(AWf + 2 * AWo)}} \qquad \textbf{(Eq. 2-9)}$$

RWFof = Relative Weight Fraction of Oxygen in Fissile Material.

The next step is to determine the relative weight fraction of the components of water (hydrogen and oxygen). These are defined as:

$$\boldsymbol{RWFow = \frac{AWo}{(2 * AWh + AWo)}} \qquad \textbf{(Eq. 2-10)}$$

$$\boldsymbol{RWFhw = \frac{2 * AWh}{(2 * AWh + AWo)}} \qquad \textbf{(Eq. 2-11)}$$

RWFhw = *Relative Weight Fraction of Hydrogen in Water*

RWFow = *Relative Weight Fraction of Oxygen in Water*

AWh = *Atomic Weight of Hydrogen.*

It is now possible to determine the absolute weight fractions of each of the components as follows:

$$\boldsymbol{WFp = RWFp * RWFf * WFf} \qquad \textbf{(Eq. 2-12)}$$

$$\boldsymbol{WFs = RWFs * RWFf * WFf} \qquad \textbf{(Eq. 2-13)}$$

$$\boldsymbol{WFof = RWFof * WFf} \qquad \textbf{(Eq. 2-14)}$$

$$\boldsymbol{WFow = RWFow * WFw} \qquad \textbf{(Eq. 2-15)}$$

$$\boldsymbol{WFhw = RWFhw * WFw} \qquad \textbf{(Eq. 2-16)}$$

WFp = *Weight Fraction of Primary Fissile Isotope in Mixture*

WFs = *Weight Fraction of Secondary Fissile Isotope in Mixture*

WFof = *Weight Fraction of Oxygen (in Fissile Compound) in Mixture*

WFow = *Weight Fraction of Oxygen (in Water) in Mixture*

WFhw = *Weight Fraction of Hydrogen (in Water) in Mixture.*

Note that, for elemental fissile materials (i.e., not an oxide), RWFf = 1.0 and RWFof = 0.0.

Table 2-1. Densities of Various Materials

Material	Density [1] (g/cc)
Water	1.0
Uranium Metal	18.9
Uranium Dioxide	11.0
Plutonium Metal	19.6

[1] Densities are taken from ARH-600. They are approximate and may neglect effects such as temperature, phase, and isotopic enrichment.

Table 2-2. Atomic Weights of Various Elements and Compounds

Element	Atomic Weight[1] (amu)	Compound	Atomic Weight (amu)
Hydrogen	1.0079	H_2O	18.0152
Oxygen	15.9994	HNO_3	63.0128
Nitrogen	14.0067	NO_3	62.0049
^{239}Pu	239.0522		
^{240}Pu	240.0538		
^{235}U	235.0439		
^{238}U	238.0508		

[1] Elemental atomic weights are taken from Nuclides and Isotopes, Fourteenth Edition, General Electric Company, 1989. Atomic weights for the stable elements are naturally occurring values (i.e., a weighted average over the stable isotopes). Atomic weights for the compounds are calculated from the elemental values.

Table 2-3. Cross-Sections Used in Models

Material	Cross-Section Specifier[1]
^{1}H	1001.66c
^{14}N	7014.66c
^{16}O	8016.66c
^{235}U	92235.66c
^{238}U	92238.66c
^{239}Pu	94239.66c
^{240}Pu	94240.66c
Hydrogen S(α,β)	lwtr.60t

[1] Cross-section specifiers are taken from the MCNP Manual, Appendix G. For this analysis, ENDF/B-VI data have been used.

3.0 Automation Routine

The various systems modeled for this handbook were categorized as a set of specific values for four parameters: fissile material, geometry, enrichment, and reflector thickness. For each such set, a range of concentrations were considered, and for each concentration, a range of diameters (or thicknesses in the case of slabs) was analyzed with MCNP. From the resulting library of data, the diameter for which $k_{eff} = 1.0$ for a given concentration was calculated using a linear interpolation for each data set. Many thousands of individual cases were required to produce curves that are equivalent to what is presented in ARH-600. In order to create, run, and evaluate all of these cases in an efficient manner, an automation routine was developed. The automation routine consists of batch files written in disk operating system (DOS) script language, executable files written in Fortran, and a script file, written with Perl™ called "worm" (worm was written and distributed by Tom Jones). The batch files were named buildwormset, run-set, and extract-all. The script buildwormset was used to create the various input files for each combination of parameters. The script run-set was then used to submit these sets to a queue, the queue being a list of files for which the computers assigned to the calculations would run. All MCNP calculations were run on computers for which MCNP verification and validation has been documented. Once an MCNP run was completed, local queuing software pulled the name of the next file out of the queue to run. Finally, once all of the sets were run, the extract-all script file took the large amount of generated data and consolidated it into a CritView compatible file.

™ Perl is a trademark for The Perl Foundation, Walnut California.

4.0 Description of the Data

The data contained in this document are arranged such that, for each parameter set, there is a graph and a table showing the critical diameter vs. concentration (see Appendix B). This same data are also presented (in Appendix C) in a format compatible with the CritView (version 1.02) electronic handbook code. Appendix D lists the template files that were used by the worm script to produce the MCNP input files for each set. A sample input file for each set, produced by the worm script, is shown in Appendix E. Appendix F lists all of the raw data results (i.e., the dimensions for cases where k ranged from approximately 0.93 to 1.01).

The graphs of the data in Appendix B are provided for visual reference and comparison to the ARH-600 data (note that a few of the cases analyzed in this report do not have corresponding ARH-600 graphs). In this analysis "full water reflection" (as indicated by ARH-600) was equated to 10 inches of water reflection (for the MCNP data). The precise thickness used in the original ARH-600 calculations is not known, however, 10 inches was deemed as a conservative value to use in these calculations. The graphs are titled with the material, fissile isotope percent, and reflector width. If there is no fissile isotope percent, it shall be taken as 100 percent.

The tables in Appendix B, for element uranium and plutonium, have six columns, which are intended to give a summary of all of the cases run for the specific parameter set. The first column contains the concentrations evaluated for the given set. The second column contains the density of the fissile mixture in g/cc. The third and fourth columns contain the first and last diameter, in inches, analyzed for each concentration. The fifth column consists of the step size, in inches, between each analyzed diameter. The sixth and arguably most important column, contains the interpolated diameter for which $k_{eff} = 1.0$. This value was determined by performing a simple interpolation between the highest valued point below 1.0 and the lowest valued point above 1.0. It should be noted that at times there is only a "--" shown in the table. This signifies that the data for k_{eff} was not calculated for that concentration, either because $k_{eff} = 1.0$ was impossible or was only possible with a diameter greater than the maximum evaluated (typically 999.99 inches). The tables for UO_2 have seven columns, with the extra column being in the second position and containing the concentration of the fissile element (uranium).

5.0 Conclusions

This report documents a series of parametric studies that reproduce some of the plutonium and uranium data presented in ARH-600. This peer reviewed data has been presented in a series of curves that are equivalent to those in ARH-600. The data has also been formatted into an electronic file that can be read by the CritView electronic handbook code, allowing the data to be presented by that software.

Appendix A

Independent Review Comments and Checklist

CHPRC REVIEW CHECKLIST

Document Reviewed:
chprc-01905, Revision 1

Scope of Review:
Review focused on the changes made to Revision 0 of this document in Sections 1.0, 2.0 and 3.0 and Appendix B, and Appendix C.

Yes	No	N/A		
☐	☐	☒	*	Previous reviews complete and cover analysis, up to scope of this review, with no gaps.
☒	☐	☐		Problem completely defined.
☐	☐	☒		Accident scenarios developed in a clear and logical manner.
☒	☐	☐		Necessary assumptions explicitly stated and supported.
☒	☐	☐		Computer codes and data files documented.
☒	☐	☐		Data used in calculations explicitly stated in document.
☒	☐	☐		Data checked for consistency with original source information as applicable.
☒	☐	☐		Mathematical derivation checked including dimensional consistency of results.
☐	☐	☒		Models appropriate and used within range of validity or use outside range of established validity justified.
☒	☐	☐		Hand calculations checked for errors. Spreadsheet results should be treated exactly the same as hand calculations.
☐	☐	☒		Software input correct and consistent with document reviewed.
☐	☐	☒		Software output consistent with input and with results reported in document reviewed.
☐	☐	☒		Limits/criteria/guidelines applied to analysis results are appropriate and referenced. Limits/criteria/guidelines checked against references.
☐	☐	☒		Safety margins consistent with good engineering practices.
☒	☐	☐		Conclusions consistent with analytical results and applicable limits.
☒	☐	☐		Results and conclusions address all points required in the problem statement.
☐	☐	☒	*	Format consistent with appropriate NRC Regulatory Guide or other standards.
☒	☐	☐		Review calculations, comments, and/or notes are attached.
☐	☐	☒		For calculations in which codes/spreadsheets (e.g., RADIDOSE, GENII, etc) are used, is the latest revision used? Is the User Authorized?
☐	☐	☒		Hazard controls established are appropriate for the hazards including selection using the appropriate hierarchy (e.g., engineered over administrative).
☐	☐	☒		The preventive or mitigative credit assigned to hazard controls are appropriate, and the basis is documented.
☒	☐	☐		**Document approved.**

Raymond J. Puigh II Raymond J. Puigh II 9/6/2013
Reviewer (Printed Name and Signature) Date

*Any calculations, comments, or notes generated as part of this review should be signed, dated and attached to this checklist. Such material should be labeled and recorded in such a manner as to be intelligible to a technically qualified third party.

A-6004-797 (REV 4)

Document Reviewed: CHPRC-01905, Revision 1

All text changes made to CHPRC-01905, Revision 0 that were incorporated into Revision 1 were reviewed. This included a review of changes made to the mathematical equations provided in Section 3.0. The equations were checked for accuracy and appropriate units were verified. Minor editorial changes and issues were appropriately addressed by the author.

Within Appendix B, the changes to the data portrayed in the report for data pertaining to uranium oxide were reviewed. Changes to the table inputs were spot checked to verify that appropriate values were used. Values for WFFE were independently calculated and compared to the values in the appendix. Also, the U concentration for selected UO_2 concentrations were calculated and compared to the values in the tables. These values agreed to within the round-off errors associated with the input data to these values provided in the report.

For each case in Appendix C for the uranium oxide CritView files, the values for U concentration (g/cc) and Critical Diameter (inches) were confirmed to be equivalent to the values listed in the Appendix B Tables for each case.

The new Figures in Appendix B were compared to the data in the Tables for the MCNP curves and to CritView software generated values for the ARH-600 curve in each figure. A minimum of four points were checked for each of the two curves in each new figure in Appendix B. This was judged to represent an adequate review for the curves.

Raymond J. Puigh II Raymond J. Puigh II 9/6/2013

Peer Reviewer Date

Appendix B

Calculations and Data

Contents

B.1 Introduction B-12

B.2 Pu-Water Mixture B-12

B.2.1 Sphere B-12
B.2.1.1 90% ^{239}Pu B-12
B.2.1.1.1 0” Water Reflector B-12
B.2.1.1.2 1” Water Reflector B-16
B.2.1.1.3 10” Water Reflector B-20
B.2.1.2 85% ^{239}Pu B-24
B.2.1.2.1 0” Water Reflection B-24
B.2.1.2.2 1” Water Reflection B-28
B.2.1.2.3 10” Water Reflection B-32
B.2.1.3 80% ^{239}Pu B-36
B.2.1.3.1 0” Water Reflection B-36
B.2.1.3.2 1” Water Reflection B-40
B.2.1.3.3 10” Water Reflection B-44
B.2.2 Cylinder B-48
B.2.2.1 90% ^{239}Pu B-48
B.2.2.1.1 0” Water Reflection B-48
B.2.2.1.2 1” Water Reflection B-52
B.2.2.1.3 10” Water Reflection B-56
B.2.2.2 85% ^{239}Pu B-60
B.2.2.2.1 0” Water Reflection B-60
B.2.2.2.2 1” Water Reflection B-64
B.2.2.2.3 10” Water Reflection B-68
B.2.2.3 80% ^{239}Pu B-72
B.2.2.3.1 0” Water Reflection B-72
B.2.2.3.2 1” Water Reflection B-76
B.2.2.3.3 10” Water Reflection B-80
B.2.3 Plane B-84
B.2.3.1 90% ^{239}Pu B-84
B.2.3.1.1 0” Water Reflection B-84
B.2.3.1.2 1” Water Reflection B-87
B.2.3.1.3 10” Water Reflection B-90
B.2.3.2 85% ^{239}Pu B-93
B.2.3.2.1 0” Water Reflection B-93
B.2.3.2.2 1” Water Reflection B-96
B.2.3.2.3 10” Water Reflection B-99
B.2.3.3 80% ^{239}Pu B-102

B.2.3.3.1 0” Water Reflection B-102
B.2.3.3.2 1” Water Reflection B-105
B.2.3.3.3 10” Water Reflection B-108

B.3 UO_2-Water Mixture B-111

B.3.1 Sphere B-111
B.3.1.1 1.3% ^{235}U B-111
B.3.1.1.1 0” Water Reflection B-111
B.3.1.1.2 1” Water Reflection B-114
B.3.1.1.3 10” Water Reflection B-117
B.3.2 Cylinder....B-120
B.3.2.1 6% ^{235}U B-120
B.3.2.1.1 0” Water Reflection B-120
B.3.2.1.2 1” Water Reflection B-123
B.3.2.1.3 10” Water Reflection B-126
B.3.2.2 5% ^{235}U B-129
B.3.2.2.1 0” Water Reflection B-129
B.3.2.2.2 1” Water Reflection B-132
B.3.2.2.3 10” Water Reflection B-135
B.3.2.3 4% ^{235}U B-138
B.3.2.3.1 0” Water Reflection B-138
B.3.2.3.2 1” Water Reflection B-141
B.3.2.3.3 10” Water Reflection B-144
B.3.2.4 3% ^{235}U B-147
B.3.2.4.1 0” Water Reflection B-147
B.3.2.4.2 1” Water Reflection B-150
B.3.2.4.3 10” Water Reflection B-153
B.3.2.5 2.5% ^{235}U B-156
B.3.2.5.1 0” Water Reflection B-156
B.3.2.5.2 1” Water Reflection B-159
B.3.2.5.3 10” Water Reflection B-162
B.3.2.6 1.3% ^{235}U B-165
B.3.2.6.1 0” Water Reflection B-165
B.3.2.6.2 1” Water Reflection B-168
B.3.2.6.3 10” Water Reflection B-171
B.3.3 Plane....B-174
B.3.3.1 6% ^{235}U B-174
B.3.3.1.1 0” Water Reflection B-174
B.3.3.1.2 1” Water Reflection B-177
B.3.3.1.3 10” Water Reflection B-180
B.3.3.2 5% ^{235}U B-183

B.3.3.2.1 0” Water Reflection B-183
B.3.3.2.2 1” Water Reflection B-186
B.3.3.2.3 10” Water Reflection B-189
B.3.3.3 4% ^{235}U B-192
B.3.3.3.1 0” Water Reflection B-192
B.3.3.3.2 1” Water Reflection B-195
B.3.3.3.3 10” Water Reflection B-198
B.3.3.4 3% ^{235}U B-201
B.3.3.4.1 0” Water Reflection B-201
B.3.3.4.2 1” Water Reflection B-204
B.3.3.4.3 10” Water Reflection B-207
B.3.3.5 2.5% ^{235}U B-210
B.3.3.5.1 0” Water Reflection B-210
B.3.3.5.2 1” Water Reflection B-213
B.3.3.5.3 10” Water Reflection B-216
B.3.3.6 1.3% ^{235}U B-219
B.3.3.6.1 0” Water Reflection B-219
B.3.3.6.2 1” Water Reflection B-222
B.3.3.6.3 10” Water Reflection B-225

B.4 U-Water Mixture B-228

B.4.1 Sphere B-228
B.4.1.1 1.3% ^{235}U B-228
B.4.1.1.1 0” Water Reflector B-228
B.4.1.1.2 1” Water Reflection B-231
B.4.1.1.3 10” Water Reflection B-234

Figures

Figure B.2.1.1.1-1. Pu Sphere - 90% ^{239}Pu - 0" Water Reflection B-13
Figure B.2.1.1.2-1. Pu Sphere – 90% ^{239}Pu - 1" Water Reflection..... B-17
Figure B.2.1.1.3-1. Pu Sphere – 90% ^{239}Pu - 10" Water Reflection..... B-21
Figure B.2.1.2.1-1. Pu Sphere - 85% ^{239}Pu – 0" Water Reflection..... B-25
Figure B.2.1.2.2-1. Pu Sphere - 85% ^{239}Pu – 1" Water Reflection..... B-29
Figure B.2.1.2.3-1. Pu Sphere - 85% ^{239}Pu – 10" Water Reflection..... B-33
Figure B.2.1.3.1-1. Pu Sphere - 80% ^{239}Pu – 0" Water Reflection..... B-37
Figure B.2.1.3.2-1. Pu Sphere - 80% ^{239}Pu – 1" Water Reflection..... B-41
Figure B.2.1.3.3-1. Pu Sphere - 80% ^{239}Pu – 10" Water Reflection..... B-45
Figure B.2.2.1.1-1. Pu Cylinder - 90% ^{239}Pu – 0" Water Reflection..... B-49
Figure B.2.2.1.2-1. Pu Cylinder - 90% ^{239}Pu – 1" Water Reflection..... B-53
Figure B.2.2.1.3-1. Pu Cylinder - 90% ^{239}Pu – 10" Water Reflection..... B-57
Figure B.2.2.2.1-1. Pu Cylinder - 85% ^{239}Pu – 0" Water Reflection..... B-61
Figure B.2.2.2.2-1. Pu Cylinder - 85% ^{239}Pu – 1" Water Reflection..... B-65
Figure B.2.2.2.3-1. Pu Cylinder - 85% ^{239}Pu – 10" Water Reflection..... B-69
Figure B.2.2.3.1-1. Pu Cylinder - 80% ^{239}Pu – 0" Water Reflection..... B-73
Figure B.2.2.3.2-1. Pu Cylinder - 80% ^{239}Pu – 1" Water Reflection..... B-77
Figure B.2.2.3.3-1. Pu Cylinder - 80% ^{239}Pu – 10" Water Reflection..... B-81
Figure B.2.3.1.1-1. Pu Plane - 90% ^{239}Pu – 0" Water Reflection..... B-85
Figure B.2.3.1.2-1. Pu Plane - 90% ^{239}Pu – 1" Water Reflection..... B-88
Figure B.2.3.1.3-1. Pu Plane - 90% ^{239}Pu – 10" Water Reflection..... B-91
Figure B.2.3.2.1-1 Pu Plane – 85% ^{239}Pu – 0" Water Reflection B-94
Figure B.2.3.2.2-1. Pu Plane – 85% ^{239}Pu – 1" Water Reflection B-97
Figure B.2.3.2.3-1. Pu Plane – 85% ^{239}Pu – 10" Water Reflection B-100
Figure B.2.3.3.1-1. Pu Plane – 80% ^{239}Pu – 0" Water Reflection B-103
Figure B.2.3.3.2-1. Pu Plane – 80% ^{239}Pu – 1" Water Reflection B-106
Figure B.2.3.3.3-1. Pu Plane – 80% ^{239}Pu – 10" Water Reflection B-109
Figure B.3.1.1.1-1. UO_2 Sphere – 1.3% ^{235}U – 0" Water Reflection B-112
Figure B.3.1.1.2-1. UO_2 Sphere – 1.3% ^{235}U – 1" Water Reflection B-115
Figure B.3.1.1.3-1, UO_2 Sphere – 1.3% ^{235}U – 10" Water Reflection B-118
Figure B.3.2.1.1-1. UO_2 Cylinder - 6% ^{235}U – 0" Water Reflection B-121

Figure B.3.2.1.2-1. UO_2 Cylinder - 6% ^{235}U – 1" Water Reflection B-124
Figure B.3.2.1.3-1. UO_2 Cylinder - 6% ^{235}U – 10" Water Reflection B-127
Figure B.3.2.2.1-1. UO_2 Cylinder - 5% ^{235}U – 0" Water Reflection B-130
Figure B.3.2.2.2-1. UO_2 Cylinder - 5% ^{235}U – 1" Water Reflection B-133
Figure B.3.2.2.3-1. UO_2 Cylinder - 5% ^{235}U – 10" Water Reflection B-136
Figure B.3.2.3.1-1. UO_2 Cylinder - 4% ^{235}U – 0" Water Reflection B-139
Figure B.3.2.3.2-1. UO_2 Cylinder - 4% ^{235}U – 1" Water Reflection B-142
Figure B.3.2.3.3-1. UO_2 Cylinder - 4% ^{235}U – 10" Water Reflection B-145
Figure B.3.2.4.1-1. UO_2 Cylinder - 3% ^{235}U – 0" Water Reflection B-148
Figure B.3.2.4.2-1. UO_2 Cylinder - 3% ^{235}U – 1" Water Reflection B-151
Figure B.3.2.4.3-1. UO_2 Cylinder - 3% ^{235}U – 10" Water Reflection B-154
Figure B.3.2.5.1-1. UO_2 Cylinder - 2.5% ^{235}U – 0" Water Reflection B-157
Figure B.3.2.5.2-1. UO_2 Cylinder - 2.5% ^{235}U – 1" Water Reflection B-160
Figure B.3.2.5.3-1. UO_2 Cylinder - 2.5% ^{235}U – 10" Water Reflection B-163
Figure B.3.2.6.1-1. UO_2 Cylinder - 1.3% ^{235}U – 0" Water Reflection..... B-166
Figure B.3.2.6.2-1. UO_2 Cylinder - 1.3% ^{235}U – 1" Water Reflection B-169
Figure B.3.2.6.3-1. UO_2 Cylinder - 1.3% ^{235}U – 10" Water Reflection B-172
Figure B.3.3.1.1-1. UO_2 Plane - 6% ^{235}U – 0" Water Reflection B-175
Figure B.3.3.1.2-1. UO_2 Plane - 6% ^{235}U – 1" Water Reflection B-178
Figure B.3.3.1.3-1. UO_2 Plane - 6% ^{235}U – 10" Water Reflection B-181
Figure B.3.3.2.1-1. UO_2 Plane - 5% ^{235}U – 0" Water Reflection B-184
Figure B.3.3.2.2-1. UO_2 Plane - 5% ^{235}U – 1" Water Reflection B-187
Figure B.3.3.2.3-1. UO_2 Plane - 5% ^{235}U – 10" Water Reflection B-190
Figure B.3.3.3.1-1. UO_2 Plane - 4% ^{235}U – 0" Water Reflection B-193
Figure B.3.3.3.2-1. UO_2 Plane - 4% ^{235}U – 1" Water Reflection B-196
Figure B.3.3.3.3-1. UO_2 Plane - 4% ^{235}U – 10" Water Reflection B-199
Figure B.3.3.4.1-1. UO_2 Plane - 3% ^{235}U – 0" Water Reflection B-202
Figure B.3.3.4.2-1. UO_2 Plane - 3% ^{235}U – 1" Water Reflection B-205
Figure B.3.3.4.3-1. UO_2 Plane - 3% ^{235}U – 10" Water Reflection B-208
Figure B.3.3.5.1-1. UO_2 Plane - 2.5% ^{235}U – 0" Water Reflection B-211
Figure B.3.3.5.2-1. UO_2 Plane - 2.5% ^{235}U – 1" Water Reflection..... B-214
Figure B.3.3.5.3-1. UO_2 Plane - 2.5% ^{235}U – 10" Water Reflection B-217
Figure B.3.3.6.1-1. UO_2 Plane - 1.3% ^{235}U – 0" Water Reflection B-220

Figure B.3.3.6.2-1. UO_2 Plane - 1.3% ^{235}U – 1" Water Reflection B-223
Figure B.3.3.6.3-1. UO_2 Plane - 1.3% ^{235}U – 10" Water Reflection B-226
Figure B.4.1.1.1-1. U Sphere - 1.3% ^{235}U – 0" Water Reflection B-229
Figure B.4.1.1.2-1. U Sphere - 1.3% ^{235}U – 1" Water Reflection B-232
Figure B.4.1.1.3-1. U Sphere - 1.3% ^{235}U – 10" Water Reflection B-235

Tables

Table B.2.1.1.1-1. Critical Dimensions for Pu Sphere - 90% ^{239}Pu - 0" Water Reflection..... B-14
Table B.2.1.1.2-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 1" Water Reflection.... B-18
Table B.2.1.1.3-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 10" Water Reflection... B-22
Table B.2.1.2.1-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 0" Water Reflection B-26
Table B. 2.1.2.2-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 1" Water Reflection ... B-30
Table B.2.1.2.3-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 10" Water Reflection B-34
Table B.2.1.3.1-1. Critical Dimensions for Pu Sphere - 80% 239Pu – 0" Water Reflection B-38
Table B.2.1.3.2-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 1" Water Reflection B-42
Table B.2.1.3.3-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 10" Water Reflection B-46
Table B.2.2.1.1-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 0" Water Reflection B-50
Table B.2.2.1.2-1. Critical Dimensions for Pu Cylinder - 90% 239Pu – 1" Water Reflection B-54
Table B.2.2.1.3-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 10" Water Reflection B-58
Table B.2.2.2.1-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 0" Water Reflection B-62
Table B.2.2.2.2-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 1" Water Reflection B-66
Table B.2.2.2.3-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 10" Water Reflection B-70
Table B.2.2.3.1-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 0" Water Reflection B-74
Table B.2.2.3.2-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 1" Water Reflection B-78

Table B.2.2.3.3-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 10" Water Reflection B-82

Table B. 2.3.1.1 1 Critical Dimensions for Pu Plane - 90% ^{239}Pu – 0" Water Reflection..... B-86

Table B.2.3.1.2-1. Critical Dimensions for Pu Plane - 90% ^{239}Pu – 1" Water Reflection B-89

Table B.2.3.1.3-1. Critical Dimensions for Pu Plane - 90% ^{239}Pu – 10" Water Reflection B-92

Table B.2.3.2.1-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 0" Water Reflection..... B-95

Table B.2.3.2.2-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 1" Water Reflection..... B-98

Table B.2.3.2.3-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 10" Water Reflection.. B-101

Table B.2.3.3.1-1. Critical Dimensions for Pu Plane – 80% ^{239}Pu – 0" Water Reflection.... B-104

Table B.2.3.3.2-1. Critical Dimensions for Pu Plane – 80% 239Pu – 1" Water Reflection.. B-107

Table B.2.3.3.3-1. Critical Dimensions for Pu Plane – 80% 239Pu – 10" Water Reflection B-110

Table B.3.1.1.1-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 0" Water Reflection B-113

Table B.3.1.1.2-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 1" Water Reflection B-116

Table B.3.1.1.3-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 10" Water Reflection B-119

Table B.3.2.1.1-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 0" Water Reflection B-122

Table B.3.2.1.2-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 1" Water Reflection B-125

Table B.3.2.1.3-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 10" Water Reflection B-128

Table B.3.2.2.1-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 0" Water Reflection B-131

Table B.3.2.2.2-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 1" Water Reflection B-134

Table B.3.2.2.3-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 10" Water Reflection B-137

Table B.3.2.3.1-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 0" Water Reflection B-140

Table B.3.2.3.2-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 1" Water Reflection B-143

Table B.3.2.3.3-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 10" Water Reflection B-146

Table B.3.2.4.1-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 0" Water Reflection B-149
Table B.3.2.4.2-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 1" Water Reflection B-152
Table B.3.2.4.3-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 10" Water Reflection B-155
Table B.3.2.5.1-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 0" Water Reflection B-158
Table B.3.2.5.2-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 1" Water Reflection B-161
Table B.3.2.5.3-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 10" Water Reflection B-164
Table B.3.2.6.1-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 0" Water Reflection B-167
Table B.3.2.6.2-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 1" Water Reflection B-170
Table B.3.2.6.3-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 10" Water Reflection B-173
Table B.3.3.1.1-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 0" Water Reflection B-176
Table B.3.3.1.2-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 1" Water Reflection B-179
Table B.3.3.1.3-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 10" Water Reflection ... B-182
Table B.3.3.2.1-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 0" Water Reflection B-185
Table B.3.3.2.2-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 1" Water Reflection B-188
Table B.3.3.2.3-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 10" Water Reflection ... B-191
Table B.3.3.3.1-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 0" Water Reflection B-194
Table B.3.3.3.2-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 1" Water Reflection B-197
Table B.3.3.3.3-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 10" Water Reflection ... B-200
Table B.3.3.4.1-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 0" Water Reflection B-203
Table B.3.3.4.2-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 1" Water Reflection B-206
Table B.3.3.4.3-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 10" Water Reflection ... B-209
Table B.3.3.5.1-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 0" Water Reflection .. B-212
Table B.3.3.5.2-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 1" Water Reflection .. B-215
Table B.3.3.5.3-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 10" Water Reflection B-218
Table B.3.3.6.1-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 0" Water Reflection .. B-221
Table B.3.3.6.2-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 1" Water Reflection .. B-224

Table B.3.3.6.3-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 10" Water Reflection B-227

Table B.4.1.1.1-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 0" Water Reflection B-230

Table B.4.1.1.2-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 1" Water Reflection B-233

Table B.4.1.1.3-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 10" Water Reflection .. B-236

Appendix B
Calculations and Data

B.1 Introduction

This Appendix contains a table of the critical dimensions for every case analyzed. The table also includes the first and last dimension, and the step size, for all of the dimensions that were evaluated in arriving at the critical value. The mixture bulk density is also presented in the table. In addition to the table, the critical values are plotted on a graph along with the corresponding ARH-600 graph (where available).

B.2 Pu-Water Mixture

B.2.1 Sphere

B.2.1.1 90% ^{239}Pu

B.2.1.1.1 0” Water Reflector

Case ID: pu-sp-0900-00

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 90% ^{239}Pu

Reflector: 0” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

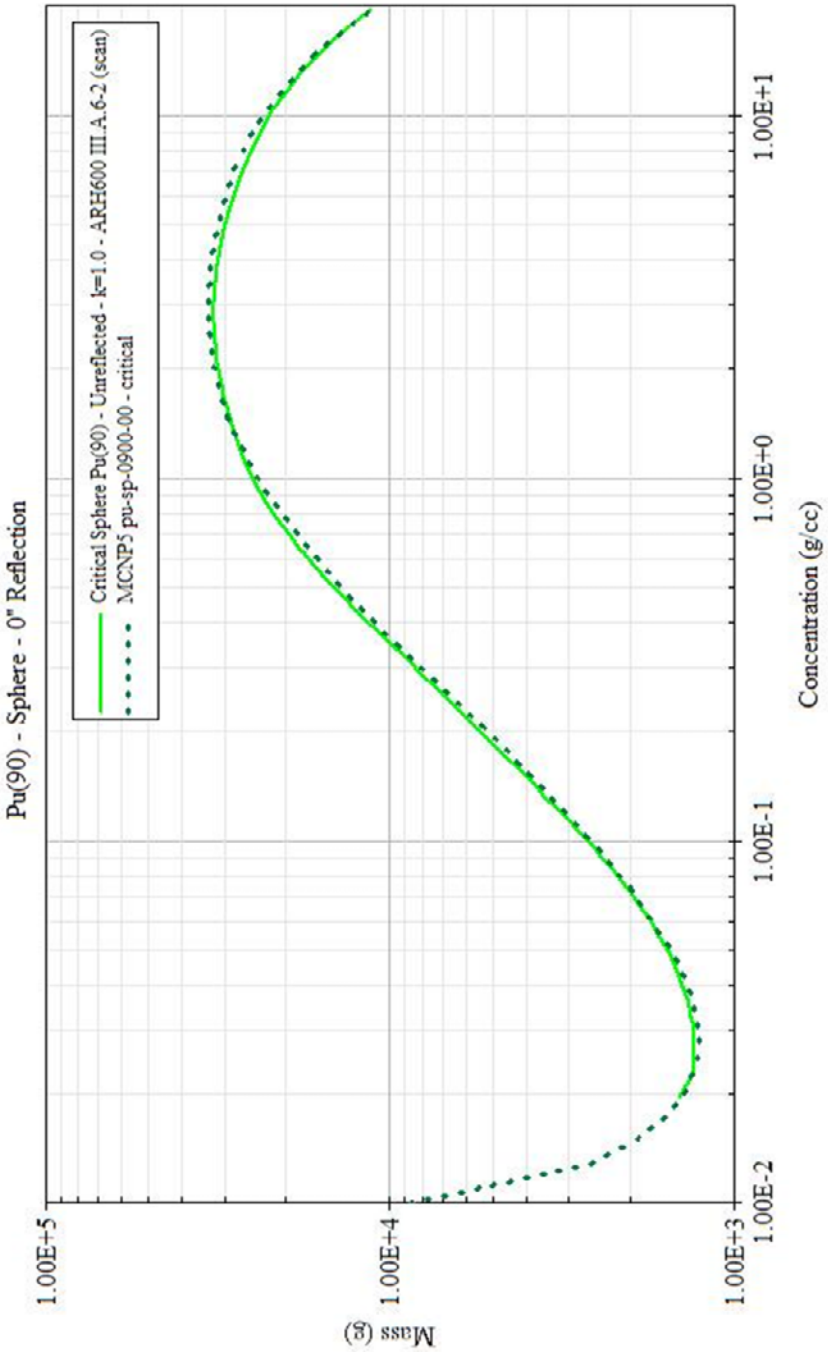

Figure B.2.1.1.1-1. Pu Sphere - 90% ^{239}Pu - 0" Water Reflection

Table B.2.1.1.1-1. Critical Dimensions for Pu Sphere - 90% ^{239}Pu - 0" Water Reflection

90% ^{239}Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	50.00	0.75	46.5344
0.013	1.012337	23.00	29.00	0.25	28.3893
0.015	1.014235	21.00	25.10	0.20	24.5354
0.018	1.017082	18.00	22.00	0.20	21.3950
0.020	1.018980	17.00	21.00	0.20	20.0935
0.022	1.020878	16.00	20.20	0.20	19.1547
0.024	1.022776	16.00	20.00	0.20	18.4329
0.025	1.023724	16.00	20.00	0.20	18.1231
0.026	1.024673	15.80	19.00	0.20	17.8175
0.028	1.026571	15.60	18.00	0.10	17.3676
0.030	1.028469	15.00	19.00	0.20	16.9897
0.032	1.030367	14.90	19.00	0.20	16.6929
0.036	1.034163	14.00	17.40	0.10	16.1710
0.040	1.037959	14.00	17.00	0.10	15.7956
0.045	1.042704	13.90	17.10	0.10	15.4411
0.050	1.047449	13.60	16.00	0.10	15.2100
0.075	1.071173	13.00	16.00	0.10	14.5496
0.100	1.094898	12.90	16.00	0.20	14.3844
0.150	1.142347	12.80	16.00	0.20	14.3780
0.200	1.189796	12.90	16.00	0.20	14.4080
0.350	1.332143	13.00	15.00	0.07	14.6355
0.500	1.474490	12.90	16.20	0.20	14.7007
0.750	1.711735	12.80	15.40	0.10	14.4573
1.000	1.948980	12.50	15.30	0.10	14.0720
1.500	2.423469	11.80	14.30	0.10	13.1872
2.000	2.897959	11.00	13.10	0.10	12.3244
2.500	3.372449	10.50	12.00	0.07	11.5464
3.000	3.846939	10.00	12.00	0.10	10.9231
4.000	4.795918	8.90	10.30	0.05	9.8441
5.000	5.744898	8.00	9.60	0.05	9.0097
6.000	6.693878	7.50	9.10	0.07	8.3286
7.000	7.642857	7.00	8.40	0.05	7.7719
7.500	8.117347	6.90	7.70	0.02	7.5207

Table B.2.1.1.1-1. Critical Dimensions for Pu Sphere - 90% ^{239}Pu - 0" Water Reflection

90% ^{239}Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	6.60	7.40	0.02	7.2888
9.000	9.540816	6.20	7.00	0.02	6.8710
10.000	10.489796	5.90	6.70	0.02	6.4990
15.000	15.234694	4.60	5.50	0.05	5.0255
19.600	19.600000	3.60	4.10	0.02	4.0517

B.2.1.1.2 1” Water Reflector

Case ID: Pu-sp-0900-01

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 90% ^{239}Pu

Reflector: 1” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

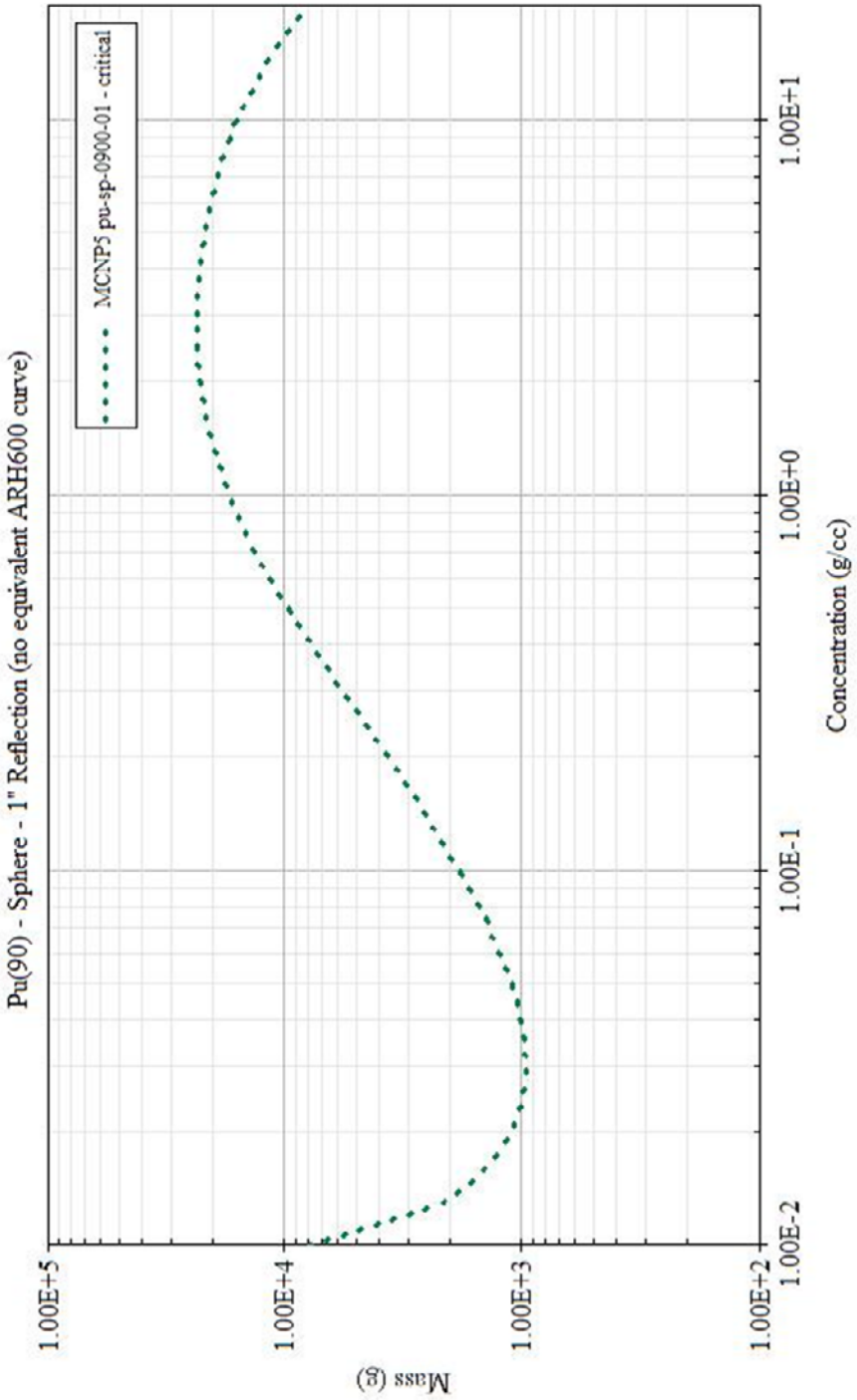

Figure B.2.1.1.2-1. Pu Sphere – 90% ^{239}Pu - 1" Water Reflection

Table B.2.1.1.2-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 1" Water Reflection

90% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	31.00	48.00	1.00	44.9822
0.013	1.012337	22.00	30.00	0.25	26.8464
0.015	1.014235	19.00	25.00	0.25	22.9891
0.018	1.017082	16.00	21.00	0.20	19.8451
0.020	1.018980	16.00	20.00	0.20	18.5991
0.022	1.020878	15.00	19.00	0.20	17.6373
0.024	1.022776	14.00	19.00	0.20	16.9223
0.025	1.023724	14.00	19.00	0.20	16.6435
0.026	1.024673	14.00	18.00	0.20	16.3164
0.028	1.026571	13.90	18.00	0.20	15.8505
0.030	1.028469	13.00	17.00	0.20	15.4658
0.032	1.030367	13.00	17.00	0.20	15.1613
0.036	1.034163	13.00	16.00	0.20	14.6400
0.040	1.037959	12.00	16.00	0.20	14.2885
0.045	1.042704	12.00	15.20	0.10	13.9128
0.050	1.047449	12.00	15.00	0.10	13.6536
0.075	1.071173	11.60	14.10	0.10	13.0003
0.100	1.094898	11.00	14.00	0.10	12.8117
0.150	1.142347	11.00	14.00	0.10	12.7631
0.200	1.189796	11.00	14.00	0.10	12.8397
0.350	1.332143	11.00	14.10	0.10	13.0487
0.500	1.474490	11.00	14.30	0.10	13.0844
0.750	1.711735	11.00	14.20	0.10	12.8918
1.000	1.948980	11.00	14.00	0.10	12.5623
1.500	2.423469	10.00	12.30	0.10	11.7345
2.000	2.897959	9.70	12.00	0.10	10.9731
2.500	3.372449	9.00	11.00	0.10	10.2610
3.000	3.846939	8.50	10.30	0.07	9.6711
4.000	4.795918	7.80	9.60	0.07	8.6880
5.000	5.744898	7.00	8.00	0.05	7.9282
6.000	6.693878	6.60	7.70	0.05	7.3409
7.000	7.642857	6.00	7.30	0.05	6.8304
7.500	8.117347	6.00	7.00	0.05	6.6227

Table B.2.1.1.2-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 1" Water Reflection

90% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	5.70	7.00	0.05	6.4098
9.000	9.540816	5.50	6.60	0.05	6.0383
10.000	10.489796	5.00	6.30	0.05	5.7124
15.000	15.234694	4.00	4.60	0.02	4.4592
19.600	19.600000	3.30	3.80	0.02	3.6626

B.2.1.1.3 10” Water Reflector

Case ID: Pu-sp-0900-10

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 90% ^{239}Pu

Reflector: 10” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

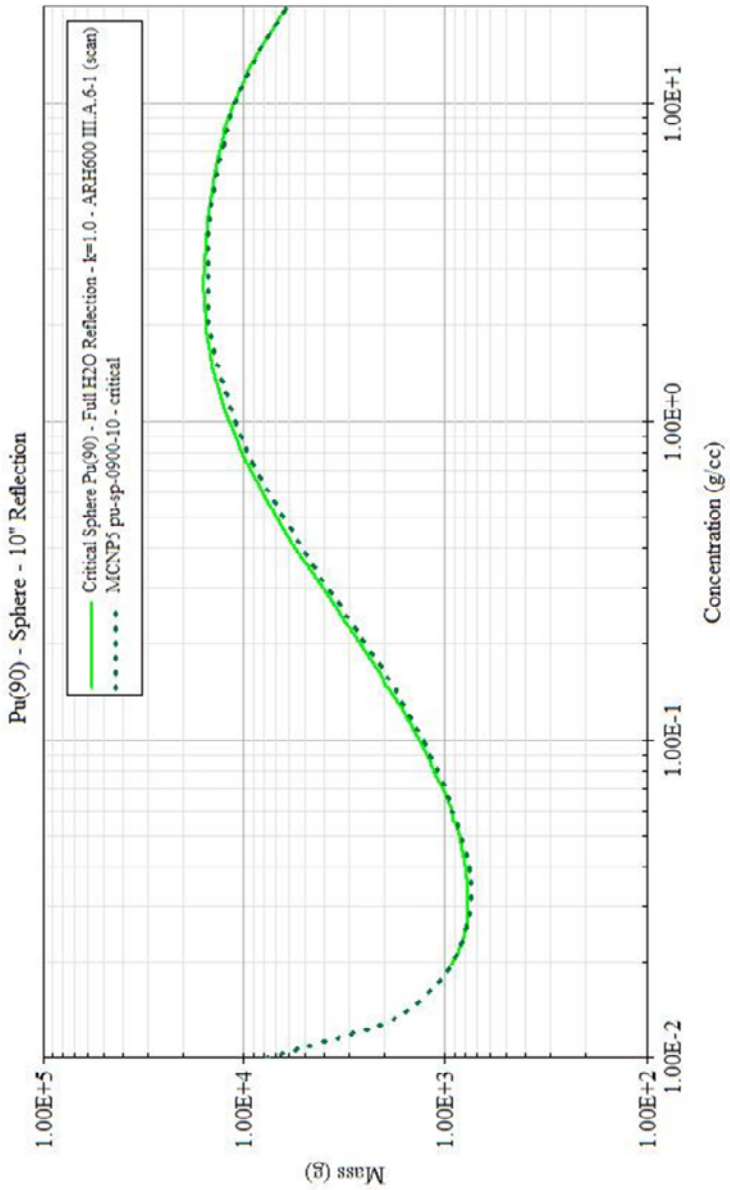

Figure B.2.1.1.3-1. Pu Sphere – 90% ^{239}Pu - 10" Water Reflection

Table B.2.1.1.3-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 10" Water Reflection

90% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	50.00	1.00	44.1058
0.013	1.012337	20.00	28.00	0.25	25.7835
0.015	1.014235	17.00	23.00	0.25	21.8844
0.018	1.017082	16.00	20.00	0.20	18.7653
0.020	1.018980	14.90	19.00	0.20	17.4351
0.022	1.020878	14.00	17.30	0.20	16.4549
0.024	1.022776	13.00	17.20	0.20	15.7466
0.025	1.023724	13.00	17.00	0.20	15.4633
0.026	1.024673	13.00	16.00	0.10	15.1696
0.028	1.026571	12.90	16.00	0.20	14.7031
0.030	1.028469	12.60	15.00	0.10	14.2852
0.032	1.030367	12.00	16.00	0.20	13.9700
0.036	1.034163	12.00	15.00	0.20	13.4110
0.040	1.037959	11.00	14.30	0.10	13.0330
0.045	1.042704	11.00	14.00	0.10	12.6708
0.050	1.047449	11.00	13.40	0.10	12.3998
0.075	1.071173	10.00	12.40	0.10	11.6605
0.100	1.094898	9.90	12.00	0.10	11.3935
0.150	1.142347	9.80	11.40	0.07	11.2440
0.200	1.189796	9.80	11.60	0.07	11.2543
0.350	1.332143	10.00	12.00	0.10	11.3513
0.500	1.474490	9.90	12.00	0.10	11.3737
0.750	1.711735	9.70	11.60	0.07	11.2011
1.000	1.948980	9.40	11.00	0.07	10.8696
1.500	2.423469	8.80	11.00	0.10	10.1632
2.000	2.897959	8.00	10.30	0.10	9.5039
2.500	3.372449	7.90	10.00	0.10	8.9082
3.000	3.846939	7.40	9.00	0.07	8.3925
4.000	4.795918	6.70	8.00	0.05	7.5593
5.000	5.744898	6.00	7.60	0.07	6.9353
6.000	6.693878	5.70	7.20	0.07	6.4236
7.000	7.642857	5.40	6.10	0.02	6.0025
7.500	8.117347	5.20	6.00	0.05	5.8068

Table B.2.1.1.3-1. Critical Dimensions for Pu Sphere – 90% ^{239}Pu – 10" Water Reflection

90% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	5.00	5.70	0.02	5.6487
9.000	9.540816	4.80	5.40	0.02	5.3234
10.000	10.489796	4.50	5.10	0.02	5.0518
15.000	15.234694	3.60	4.10	0.02	4.0018
19.600	19.600000	3.00	3.40	0.02	3.3285

B.2.1.2 85% ^{239}Pu

B.2.1.2.1 0” Water Reflection

Case ID: Pu-sp-0850-00

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 85% ^{239}Pu

Reflector: 0” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

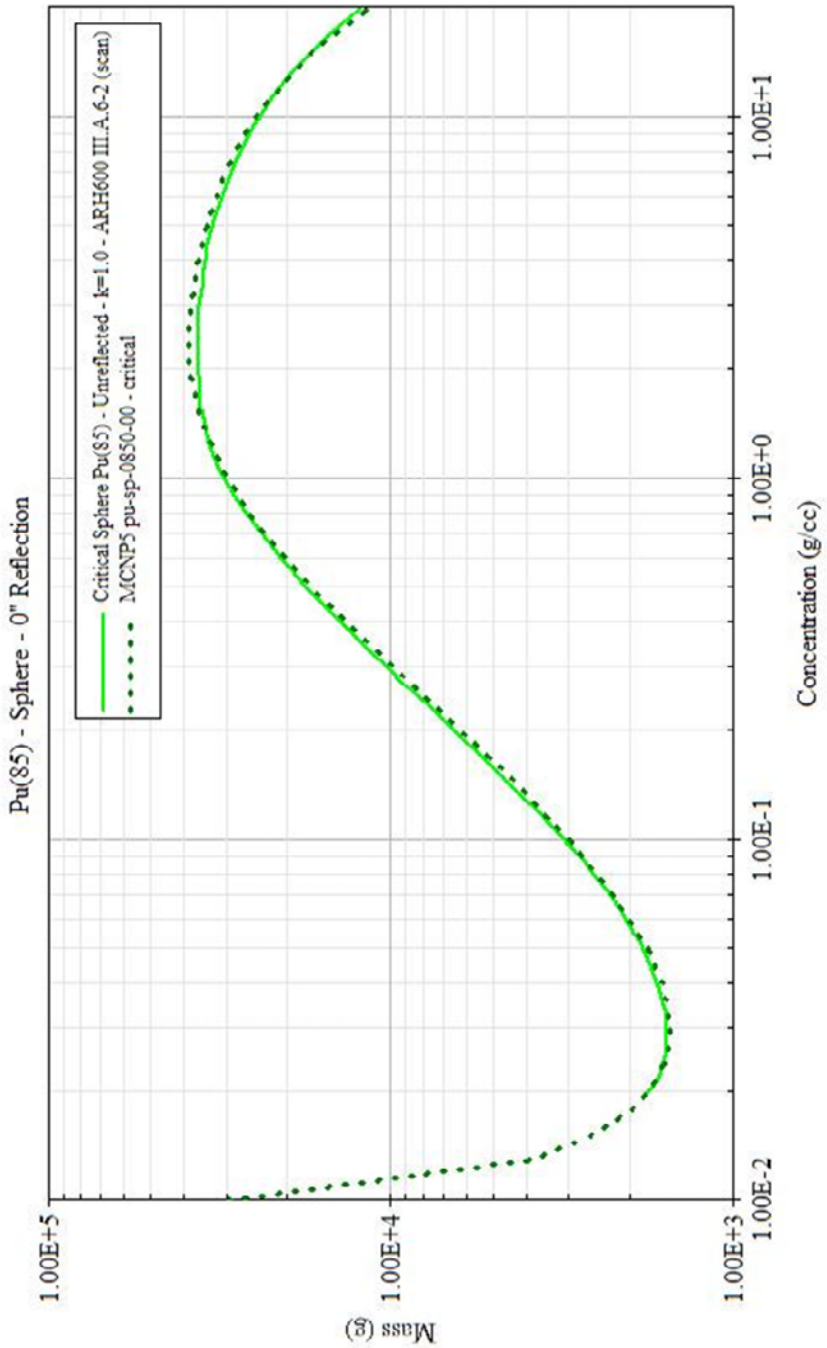

Figure B.2.1.2.1-1. Pu Sphere - 85% ^{239}Pu – 0" Water Reflection

Table B.2.1.2.1-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 0" Water Reflection

85% ^{239}Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	110.00	2.50	70.1470
0.013	1.012337	26.00	34.00	0.25	32.6624
0.015	1.014235	23.00	30.00	0.25	27.2952
0.018	1.017082	20.00	25.00	0.25	23.2844
0.020	1.018980	19.00	22.30	0.20	21.7123
0.022	1.020878	18.00	21.00	0.20	20.5643
0.024	1.022776	17.00	21.00	0.20	19.7029
0.025	1.023724	17.00	21.00	0.20	19.4092
0.026	1.024673	16.00	20.00	0.20	19.0319
0.028	1.026571	16.00	20.00	0.20	18.5006
0.030	1.028469	15.90	19.30	0.20	18.0663
0.032	1.030367	15.00	19.00	0.20	17.6840
0.036	1.034163	15.00	19.00	0.20	17.1258
0.040	1.037959	14.80	18.10	0.20	16.6867
0.045	1.042704	14.00	18.00	0.20	16.3270
0.050	1.047449	14.00	18.00	0.20	16.0231
0.075	1.071173	13.80	17.00	0.20	15.3470
0.100	1.094898	13.00	17.00	0.20	15.1479
0.150	1.142347	13.00	17.00	0.20	15.1492
0.200	1.189796	13.70	17.00	0.20	15.3008
0.350	1.332143	13.70	17.10	0.20	15.6428
0.500	1.474490	13.80	18.00	0.20	15.7761
0.750	1.711735	13.00	17.10	0.20	15.6024
1.000	1.948980	13.00	17.00	0.20	15.1349
1.500	2.423469	12.00	15.40	0.10	14.0772
2.000	2.897959	11.70	14.30	0.10	13.0540
2.500	3.372449	11.00	13.00	0.10	12.1755
3.000	3.846939	10.00	12.00	0.07	11.3963
4.000	4.795918	9.20	10.60	0.05	10.2013
5.000	5.744898	8.40	10.00	0.07	9.2772
6.000	6.693878	7.70	9.20	0.07	8.5460
7.000	7.642857	7.30	8.00	0.02	7.9526
7.500	8.117347	7.00	8.50	0.07	7.6921

Table B.2.1.2.1-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 0" Water Reflection

85% ^{239}Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	6.80	7.50	0.02	7.4394
9.000	9.540816	6.40	7.10	0.02	6.9951
10.000	10.489796	6.00	6.80	0.02	6.6136
15.000	15.234694	4.60	5.60	0.05	5.1079
19.600	19.600000	3.70	4.20	0.02	4.1106

B.2.1.2.2 1” Water Reflection

Case ID: Pu-sp-0850-01

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 85% ^{239}Pu

Reflector: 1” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

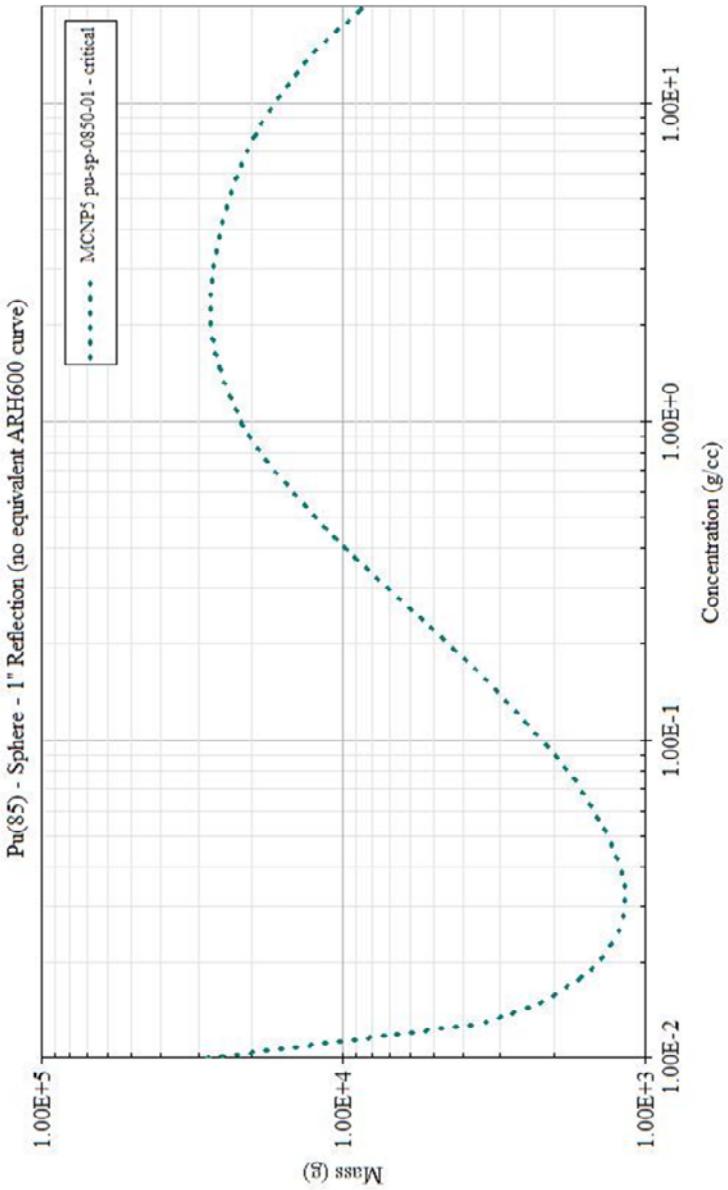

Figure B.2.1.2.2-1. Pu Sphere - 85% ^{239}Pu – 1" Water Reflection

Table B. 2.1.2.2-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 1" Water Reflection

85% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	110.00	2.50	68.7687
0.013	1.012337	23.00	33.00	0.50	31.1217
0.015	1.014235	20.00	27.00	0.25	25.7208
0.018	1.017082	18.00	23.00	0.25	21.8060
0.020	1.018980	17.00	21.00	0.20	20.1763
0.022	1.020878	16.00	21.00	0.25	19.0799
0.024	1.022776	15.00	20.00	0.25	18.2170
0.025	1.023724	15.00	19.00	0.20	17.8346
0.026	1.024673	15.00	19.00	0.20	17.5327
0.028	1.026571	14.00	19.00	0.20	16.9587
0.030	1.028469	14.00	18.00	0.20	16.5263
0.032	1.030367	14.00	18.00	0.20	16.1975
0.036	1.034163	13.70	17.10	0.20	15.5830
0.040	1.037959	13.00	17.00	0.20	15.1462
0.045	1.042704	12.00	17.00	0.20	14.8197
0.050	1.047449	12.00	16.10	0.20	14.4742
0.075	1.071173	12.00	15.20	0.20	13.7802
0.100	1.094898	12.00	15.00	0.20	13.5907
0.150	1.142347	11.90	15.00	0.20	13.5692
0.200	1.189796	12.00	15.00	0.10	13.7023
0.350	1.332143	12.00	16.00	0.20	14.0620
0.500	1.474490	12.00	16.00	0.20	14.1618
0.750	1.711735	12.00	15.20	0.20	14.0197
1.000	1.948980	11.70	15.00	0.20	13.6126
1.500	2.423469	11.00	14.00	0.10	12.6022
2.000	2.897959	10.40	12.00	0.07	11.6719
2.500	3.372449	9.50	11.00	0.07	10.8471
3.000	3.846939	8.90	11.00	0.10	10.1539
4.000	4.795918	8.00	10.00	0.10	9.0492
5.000	5.744898	7.40	8.30	0.05	8.2027
6.000	6.693878	6.80	8.00	0.05	7.5455
7.000	7.642857	6.30	7.40	0.05	7.0131
7.500	8.117347	6.00	7.20	0.05	6.7768

Table B. 2.1.2.2-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 1" Water Reflection

85% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	6.00	7.00	0.05	6.5661
9.000	9.540816	5.60	7.00	0.07	6.1749
10.000	10.489796	5.20	6.40	0.05	5.8267
15.000	15.234694	4.10	4.60	0.02	4.5434
19.600	19.600000	3.30	3.80	0.02	3.7148

B.2.1.2.3 10” Water Reflection

Case ID: Pu-sp-0850-10

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 85% ^{239}Pu

Reflector: 10” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

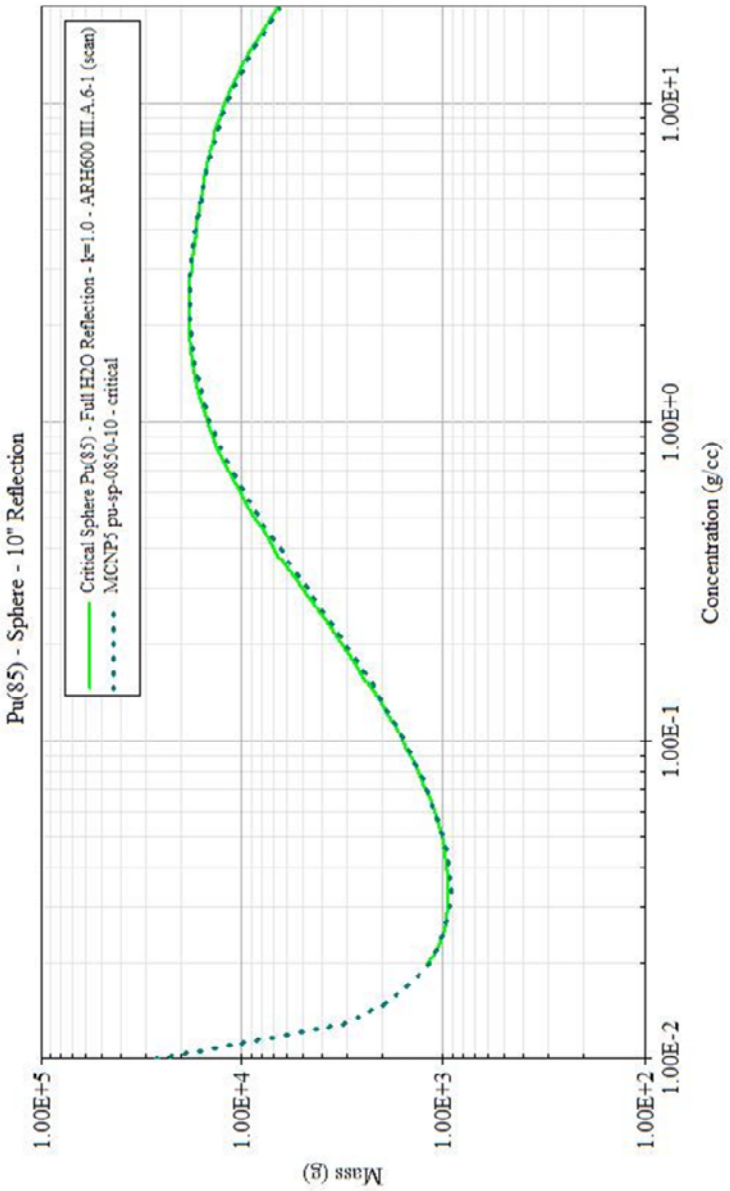

Figure B.2.1.2.3-1. Pu Sphere - 85% ^{239}Pu – 10" Water Reflection

Table B.2.1.2.3-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 10" Water Reflection

85% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	110.00	2.50	67.7727
0.013	1.012337	23.00	31.00	0.25	30.0721
0.015	1.014235	20.00	27.00	0.25	24.5904
0.018	1.017082	17.00	22.00	0.25	20.6186
0.020	1.018980	16.00	20.00	0.20	19.0261
0.022	1.020878	15.00	20.00	0.25	17.8861
0.024	1.022776	14.00	19.00	0.20	17.0295
0.025	1.023724	14.00	18.10	0.20	16.6671
0.026	1.024673	14.00	18.00	0.20	16.3537
0.028	1.026571	13.00	18.00	0.20	15.7893
0.030	1.028469	13.00	17.00	0.20	15.3157
0.032	1.030367	13.00	17.00	0.20	14.9354
0.036	1.034163	12.00	16.00	0.20	14.3822
0.040	1.037959	12.00	15.00	0.20	13.9104
0.045	1.042704	12.00	14.50	0.10	13.5027
0.050	1.047449	11.00	15.00	0.20	13.1854
0.075	1.071173	11.00	13.10	0.10	12.4000
0.100	1.094898	10.70	13.00	0.10	12.1299
0.150	1.142347	10.50	13.00	0.10	12.0135
0.200	1.189796	10.60	13.00	0.10	12.0597
0.350	1.332143	10.60	13.00	0.10	12.2522
0.500	1.474490	10.00	13.40	0.10	12.3693
0.750	1.711735	10.00	13.10	0.10	12.2019
1.000	1.948980	10.00	12.40	0.10	11.8539
1.500	2.423469	9.50	11.10	0.07	10.9603
2.000	2.897959	8.70	11.00	0.10	10.1535
2.500	3.372449	8.00	10.40	0.10	9.4553
3.000	3.846939	7.70	9.00	0.05	8.8370
4.000	4.795918	6.90	8.30	0.05	7.8951
5.000	5.744898	6.40	8.00	0.07	7.1921
6.000	6.693878	5.90	7.40	0.07	6.6305
7.000	7.642857	5.50	7.00	0.07	6.1780
7.500	8.117347	5.20	6.10	0.02	5.9741

Table B.2.1.2.3-1. Critical Dimensions for Pu Sphere - 85% ^{239}Pu – 10" Water Reflection

85% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	5.20	6.00	0.02	5.7905
9.000	9.540816	4.90	5.50	0.02	5.4519
10.000	10.489796	4.60	5.30	0.02	5.1663
15.000	15.234694	3.70	4.10	0.02	4.0714
19.600	19.600000	3.00	3.50	0.02	3.3822

B.2.1.3 80% ^{239}Pu

B.2.1.3.1 0” Water Reflection

Case ID: Pu-sp-0800-00

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 80% ^{239}Pu

Reflector: 0” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

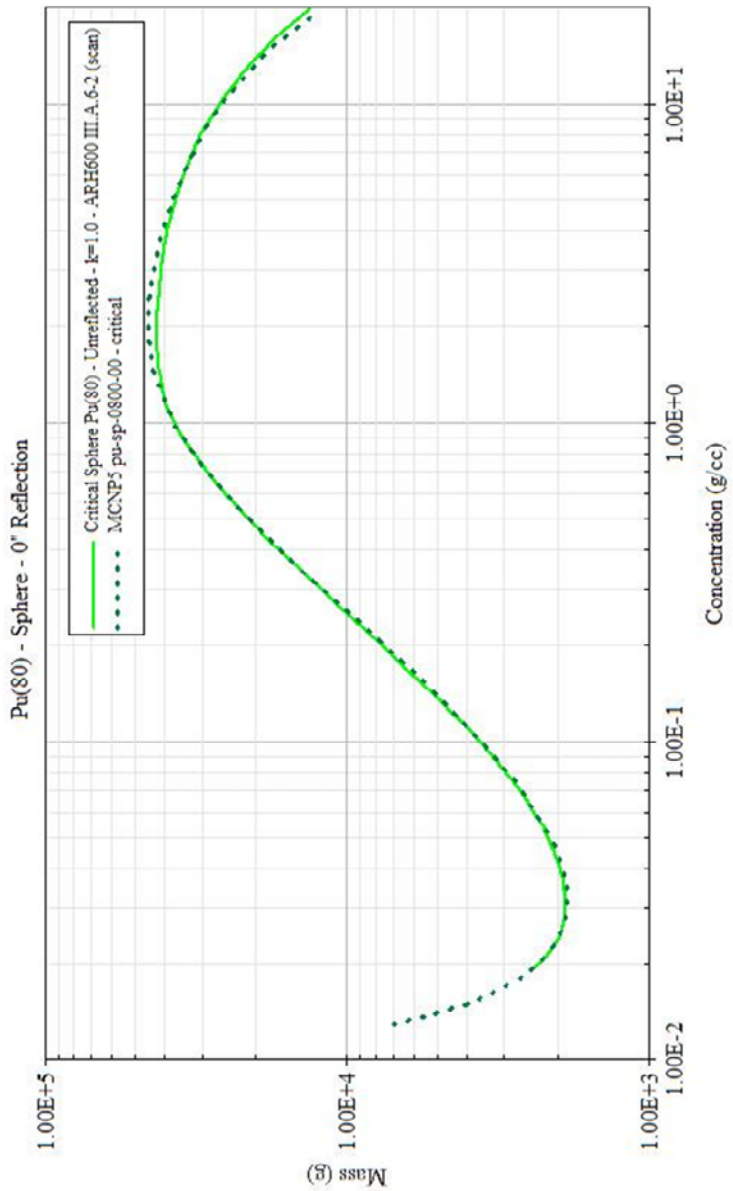

Figure B.2.1.3.1-1. Pu Sphere - 80% ^{239}Pu – 0" Water Reflection

Table B.2.1.3.1-1. Critical Dimensions for Pu Sphere - 80% 239Pu – 0" Water Reflection

80% ^{239} Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	30.00	40.00	0.50	39.6399
0.015	1.014235	25.00	32.00	0.25	31.2611
0.018	1.017082	20.00	28.00	0.25	25.8461
0.020	1.018980	20.00	25.00	0.25	23.8229
0.022	1.020878	19.00	23.00	0.20	22.3724
0.024	1.022776	18.00	22.00	0.20	21.3227
0.025	1.023724	18.00	21.20	0.20	20.9080
0.026	1.024673	17.80	21.00	0.20	20.4680
0.028	1.026571	17.00	21.00	0.20	19.8558
0.030	1.028469	16.90	21.00	0.20	19.3441
0.032	1.030367	16.00	20.00	0.20	18.9226
0.036	1.034163	16.00	20.00	0.20	18.2252
0.040	1.037959	15.00	19.00	0.20	17.7077
0.045	1.042704	15.00	19.00	0.20	17.3029
0.050	1.047449	15.00	19.00	0.20	16.9260
0.075	1.071173	14.00	18.00	0.20	16.1904
0.100	1.094898	14.00	17.30	0.20	15.9930
0.150	1.142347	14.00	18.00	0.20	16.0459
0.200	1.189796	14.00	18.00	0.20	16.2460
0.350	1.332143	14.00	18.20	0.20	16.7620
0.500	1.474490	14.80	19.00	0.20	16.9726
0.750	1.711735	14.00	18.10	0.20	16.7642
1.000	1.948980	14.00	18.00	0.20	16.2815
1.500	2.423469	13.00	17.00	0.20	15.0402
2.000	2.897959	12.00	15.10	0.10	13.8442
2.500	3.372449	11.00	14.00	0.10	12.7892
3.000	3.846939	10.70	12.60	0.07	11.9205
4.000	4.795918	9.50	11.00	0.07	10.5583
5.000	5.744898	8.60	10.00	0.05	9.5457
6.000	6.693878	7.90	9.50	0.07	8.7637
7.000	7.642857	7.40	9.00	0.07	8.1269
7.500	8.117347	7.10	8.00	0.05	7.8425
8.000	8.591837	6.80	7.60	0.02	7.5937

Table B.2.1.3.1-1. Critical Dimensions for Pu Sphere - 80% 239Pu – 0" Water Reflection

80% ^{239} Pu - Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	6.50	7.20	0.02	7.1359
10.000	10.489796	6.10	7.00	0.05	6.7307
15.000	15.234694	4.70	5.70	0.05	5.1859
19.600	19.600000	3.70	4.30	0.02	4.1685

B.2.1.3.2 1” Water Reflection

Case ID: Pu-sp-0800-01

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 80% ^{239}Pu

Reflector: 1” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

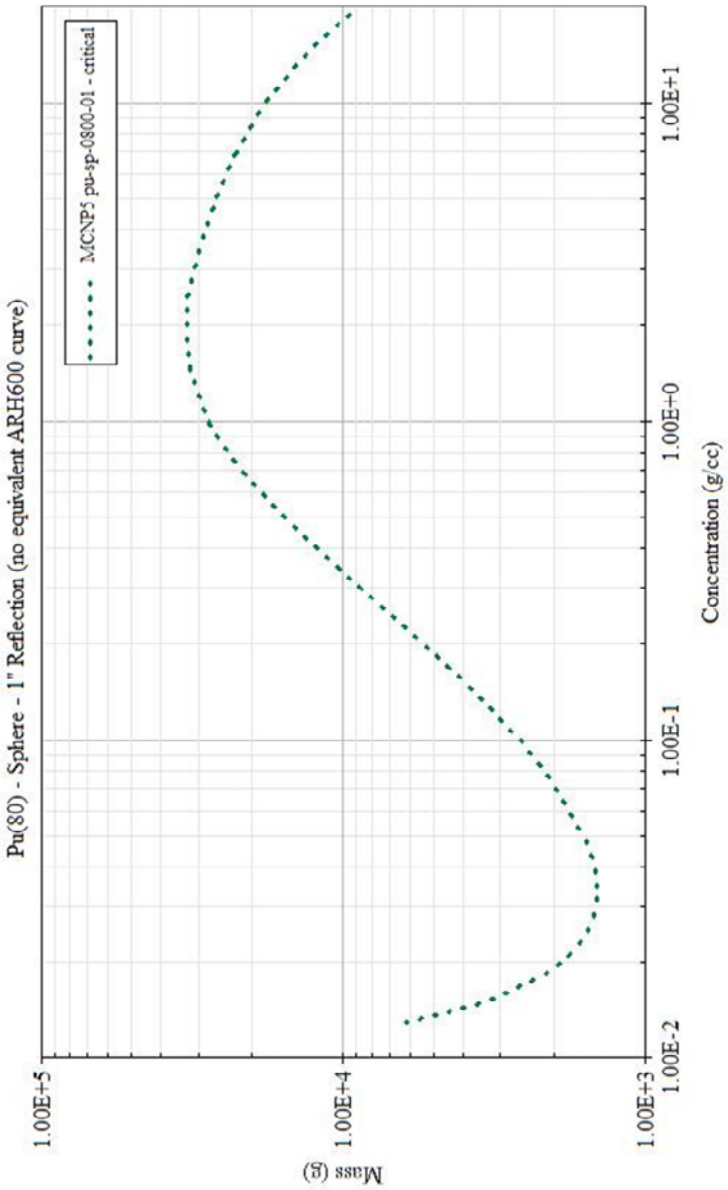

Figure B.2.1.3.2-1. Pu Sphere - 80% ^{239}Pu – 1" Water Reflection

Table B.2.1.3.2-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 1" Water Reflection

80% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	28.00	40.00	0.50	38.1794
0.015	1.014235	23.00	31.00	0.25	29.6632
0.018	1.017082	20.00	26.00	0.25	24.2414
0.020	1.018980	19.00	23.00	0.20	22.2432
0.022	1.020878	17.00	22.00	0.20	20.8162
0.024	1.022776	16.00	21.00	0.20	19.7678
0.025	1.023724	16.00	21.00	0.25	19.3157
0.026	1.024673	16.00	20.00	0.20	18.9547
0.028	1.026571	15.00	20.00	0.20	18.3120
0.030	1.028469	15.00	19.10	0.20	17.7806
0.032	1.030367	15.00	19.00	0.20	17.3446
0.036	1.034163	14.00	18.10	0.20	16.6659
0.040	1.037959	14.00	18.00	0.20	16.1653
0.045	1.042704	13.80	17.20	0.20	15.7491
0.050	1.047449	13.00	17.00	0.20	15.3960
0.075	1.071173	13.00	16.20	0.20	14.6119
0.100	1.094898	12.00	16.00	0.20	14.3945
0.150	1.142347	12.70	16.00	0.20	14.4203
0.200	1.189796	12.80	16.00	0.20	14.6131
0.350	1.332143	13.00	17.00	0.20	15.1103
0.500	1.474490	13.00	17.00	0.20	15.3132
0.750	1.711735	13.00	17.00	0.20	15.1953
1.000	1.948980	12.00	16.10	0.20	14.7709
1.500	2.423469	11.70	15.00	0.20	13.5517
2.000	2.897959	10.90	13.40	0.10	12.4294
2.500	3.372449	10.00	12.00	0.10	11.4717
3.000	3.846939	9.50	11.00	0.07	10.6445
4.000	4.795918	8.40	10.20	0.07	9.3922
5.000	5.744898	7.60	9.50	0.07	8.4969
6.000	6.693878	7.00	8.00	0.05	7.7696
7.000	7.642857	6.50	7.60	0.05	7.1960
7.500	8.117347	6.00	7.40	0.05	6.9488
8.000	8.591837	6.00	7.20	0.05	6.7145

Table B.2.1.3.2-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 1" Water Reflection

80% ^{239}Pu - Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	5.70	7.00	0.05	6.3085
10.000	10.489796	5.40	6.60	0.05	5.9510
15.000	15.234694	4.10	4.70	0.02	4.6213
19.600	19.600000	3.40	3.90	0.02	3.7762

B.2.1.3.3 10” Water Reflection

Case ID: Pu-sp-0800-10

Material: PU (Elemental)

Geometry: Sphere

Isotopics: 80% ^{239}Pu

Reflector: 10” Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

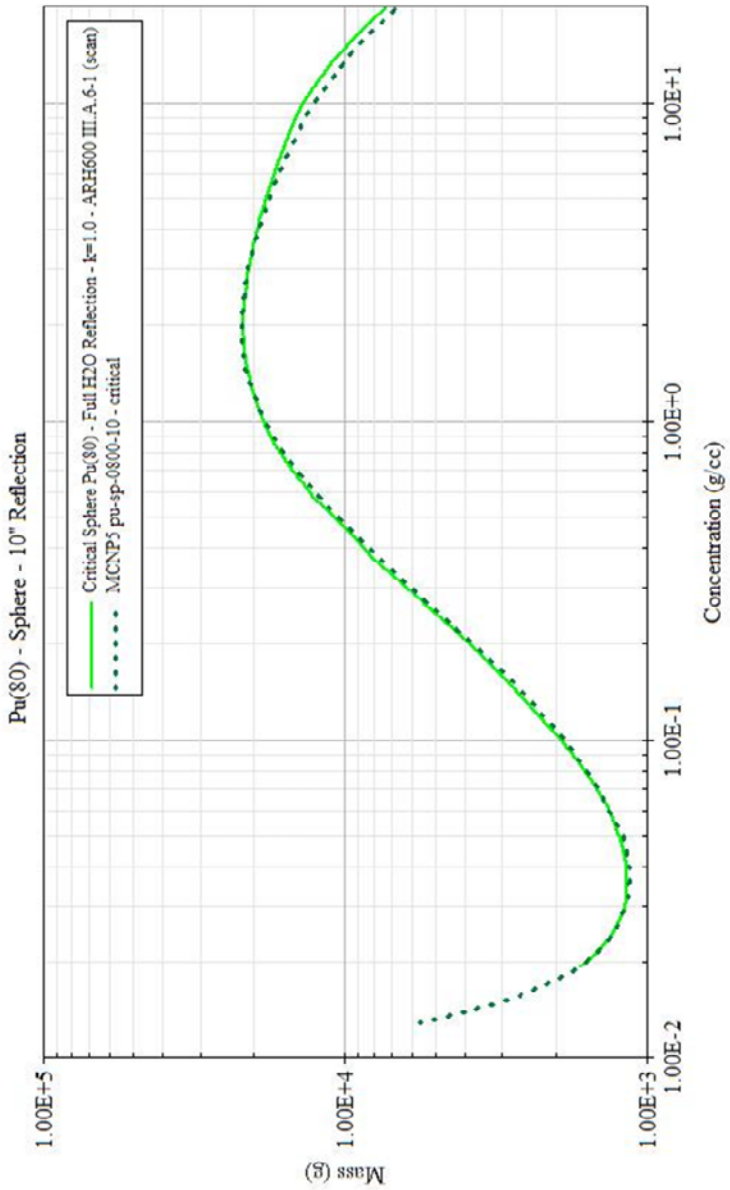

Figure B.2.1.3.3-1. Pu Sphere - 80% ^{239}Pu – 10" Water Reflection

Table B.2.1.3.3-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 10" Water Reflection

80% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	27.00	38.00	0.50	36.9231
0.015	1.014235	22.00	30.00	0.25	28.6372
0.018	1.017082	19.00	25.00	0.25	23.1022
0.020	1.018980	17.00	22.00	0.25	21.0490
0.022	1.020878	16.00	21.00	0.25	19.6436
0.024	1.022776	15.00	20.00	0.20	18.5664
0.025	1.023724	15.00	20.00	0.25	18.1880
0.026	1.024673	15.00	19.00	0.20	17.7477
0.028	1.026571	14.00	19.00	0.25	17.0781
0.030	1.028469	14.00	18.00	0.20	16.5888
0.032	1.030367	13.90	18.00	0.20	16.1202
0.036	1.034163	13.00	17.10	0.20	15.4286
0.040	1.037959	12.90	17.00	0.20	14.9053
0.045	1.042704	12.00	16.00	0.20	14.4327
0.050	1.047449	12.00	16.00	0.20	14.0615
0.075	1.071173	11.80	14.30	0.10	13.2010
0.100	1.094898	11.00	14.00	0.10	12.9216
0.150	1.142347	11.00	14.00	0.20	12.8143
0.200	1.189796	11.00	14.00	0.20	12.9357
0.350	1.332143	11.00	15.00	0.20	13.3160
0.500	1.474490	11.00	15.00	0.20	13.4525
0.750	1.711735	11.00	15.00	0.20	13.2972
1.000	1.948980	11.00	14.10	0.20	12.8856
1.500	2.423469	10.00	13.00	0.20	11.8577
2.000	2.897959	9.30	11.10	0.07	10.8530
2.500	3.372449	8.80	11.00	0.10	10.0094
3.000	3.846939	8.00	10.20	0.10	9.3303
4.000	4.795918	7.00	8.50	0.05	8.2427
5.000	5.744898	6.60	8.00	0.07	7.4498
6.000	6.693878	6.00	7.50	0.07	6.8397
7.000	7.642857	5.60	7.10	0.07	6.3451
7.500	8.117347	5.50	6.20	0.02	6.1335
8.000	8.591837	5.30	6.00	0.02	5.9377

Table B.2.1.3.3-1. Critical Dimensions for Pu Sphere - 80% ^{239}Pu – 10" Water Reflection

80% ^{239}Pu - Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	5.00	5.70	0.02	5.5925
10.000	10.489796	4.70	5.40	0.02	5.2859
15.000	15.234694	3.70	4.20	0.02	4.1540
19.600	19.600000	3.10	3.50	0.02	3.4383

B.2.2 Cylinder

B.2.2.1 90% ^{239}Pu

B.2.2.1.1 0” Water Reflection

Case ID: Pu-icyl-0900-00

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 90% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

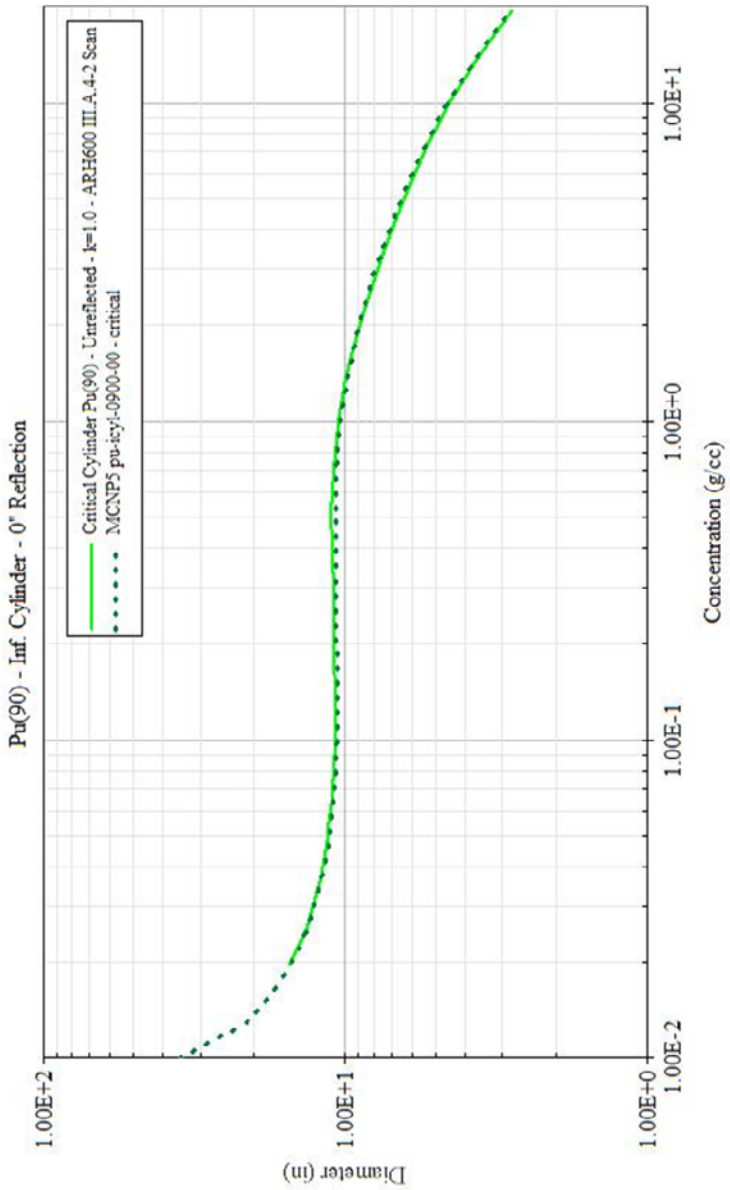

Figure B.2.2.1.1-1. Pu Cylinder - 90% ^{239}Pu – 0" Water Reflection

Table B.2.2.1.1-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 0" Water Reflection

90% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	20.00	50.00	1.00	35.2024
0.013	1.012337	17.00	23.00	0.25	21.2299
0.015	1.014235	15.00	21.00	0.25	18.2806
0.018	1.017082	13.00	18.00	0.20	15.9220
0.020	1.018980	12.90	17.00	0.20	14.9468
0.022	1.020878	12.00	16.00	0.20	14.1834
0.024	1.022776	12.00	16.00	0.20	13.6572
0.025	1.023724	11.00	16.00	0.20	13.4324
0.026	1.024673	11.70	13.30	0.05	13.2113
0.028	1.026571	11.40	13.10	0.05	12.8674
0.030	1.028469	11.00	13.00	0.10	12.5908
0.032	1.030367	11.00	12.50	0.05	12.3269
0.036	1.034163	10.80	12.20	0.05	11.9487
0.040	1.037959	10.40	12.00	0.05	11.6733
0.045	1.042704	10.00	11.50	0.05	11.3668
0.050	1.047449	10.00	11.40	0.05	11.2017
0.075	1.071173	9.60	11.00	0.05	10.7135
0.100	1.094898	9.40	11.00	0.05	10.5621
0.150	1.142347	9.50	10.70	0.05	10.5368
0.200	1.189796	9.50	10.70	0.05	10.5865
0.350	1.332143	9.60	11.00	0.05	10.7458
0.500	1.474490	9.60	11.00	0.05	10.7490
0.750	1.711735	9.40	11.00	0.05	10.5802
1.000	1.948980	9.00	11.00	0.10	10.3071
1.500	2.423469	8.50	10.00	0.05	9.6109
2.000	2.897959	8.00	9.10	0.05	8.9632
2.500	3.372449	7.50	8.50	0.05	8.3991
3.000	3.846939	7.00	8.00	0.05	7.9023
4.000	4.795918	6.40	7.20	0.02	7.0875
5.000	5.744898	5.90	6.60	0.02	6.4692
6.000	6.693878	5.40	6.10	0.02	5.9641
7.000	7.642857	5.00	5.70	0.02	5.5400
7.500	8.117347	4.80	5.50	0.02	5.3569

Table B.2.2.1.1-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 0" Water Reflection

90% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	4.70	5.30	0.02	5.1844
9.000	9.540816	4.40	5.00	0.02	4.8661
10.000	10.489796	4.10	4.70	0.02	4.5846
15.000	15.234694	3.10	3.60	0.02	3.4912
19.600	19.600000	2.50	2.90	0.02	2.7786

B.2.2.1.2 1” Water Reflection

Case ID: Pu-icyl-0900-01

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 90% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

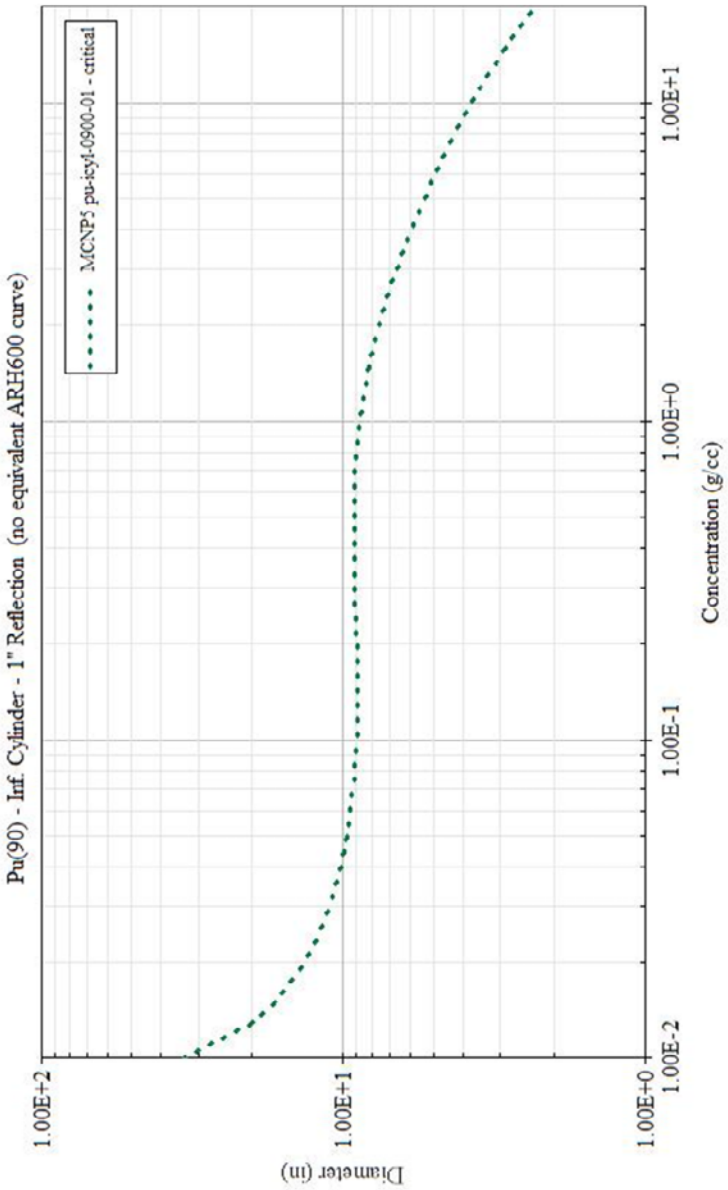

Figure B.2.2.1.2-1. Pu Cylinder - 90% ^{239}Pu – 1" Water Reflection

Table B.2.2.1.2-1. Critical Dimensions for Pu Cylinder - 90% 239Pu – 1" Water Reflection

90% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	23.00	35.00	0.50	33.6766
0.013	1.012337	15.00	22.00	0.25	19.7571
0.015	1.014235	13.00	20.00	0.25	16.7387
0.018	1.017082	12.00	16.00	0.20	14.3984
0.020	1.018980	11.00	16.00	0.25	13.4090
0.022	1.020878	11.00	15.00	0.20	12.6852
0.024	1.022776	10.00	14.00	0.20	12.1362
0.025	1.023724	10.00	14.00	0.20	11.9087
0.026	1.024673	10.00	14.00	0.20	11.6897
0.028	1.026571	9.90	11.50	0.05	11.3349
0.030	1.028469	9.60	13.00	0.20	11.0619
0.032	1.030367	9.00	13.00	0.20	10.7949
0.036	1.034163	9.00	11.00	0.10	10.4187
0.040	1.037959	8.90	12.00	0.20	10.1135
0.045	1.042704	8.70	10.00	0.05	9.8431
0.050	1.047449	8.50	10.00	0.05	9.6571
0.075	1.071173	8.00	9.30	0.05	9.1480
0.100	1.094898	7.90	9.10	0.05	8.9823
0.150	1.142347	7.90	9.00	0.05	8.9348
0.200	1.189796	7.90	9.20	0.05	8.9820
0.350	1.332143	8.00	9.30	0.05	9.1283
0.500	1.474490	8.00	11.00	0.10	9.1472
0.750	1.711735	7.90	9.20	0.05	9.0210
1.000	1.948980	7.60	9.00	0.05	8.7578
1.500	2.423469	7.00	8.30	0.05	8.1581
2.000	2.897959	6.60	7.70	0.05	7.5688
2.500	3.372449	6.00	7.20	0.05	7.0661
3.000	3.846939	5.80	6.70	0.05	6.6153
4.000	4.795918	5.20	6.00	0.02	5.9063
5.000	5.744898	4.80	5.50	0.02	5.3533
6.000	6.693878	4.30	5.00	0.02	4.9203
7.000	7.642857	4.00	4.70	0.02	4.5580
7.500	8.117347	3.90	4.50	0.02	4.4025

Table B.2.2.1.2-1. Critical Dimensions for Pu Cylinder - 90% 239Pu – 1" Water Reflection

90% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	3.80	4.40	0.02	4.2501
9.000	9.540816	3.50	4.10	0.02	3.9860
10.000	10.489796	3.30	3.80	0.02	3.7537
15.000	15.234694	2.55	2.90	0.02	2.8764
19.600	19.600000	2.10	2.40	0.02	2.3307

B.2.2.1.3 10” Water Reflection

Case ID: Pu-icyl-0900-10

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 90% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

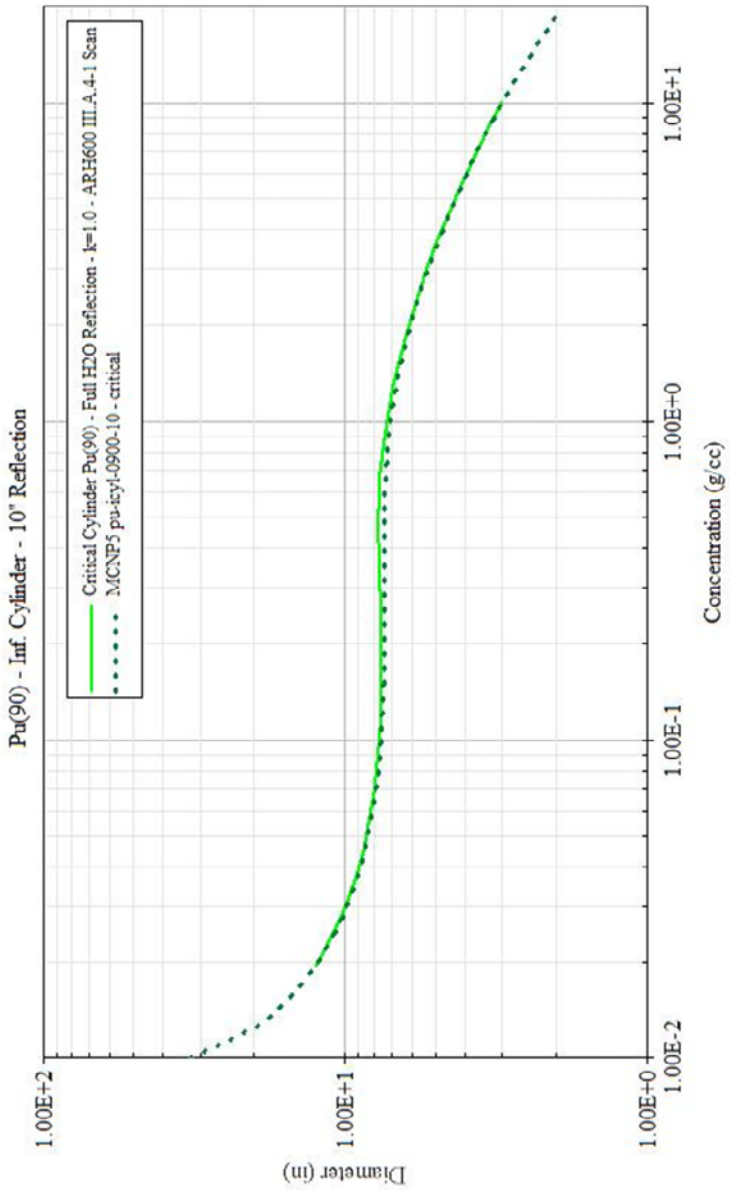

Figure B.2.2.1.3-1. Pu Cylinder - 90% ^{239}Pu – 10" Water Reflection

Table B.2.2.1.3-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 10" Water Reflection

90% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	20.00	35.00	0.50	32.5996
0.013	1.012337	14.00	20.00	0.25	18.6061
0.015	1.014235	12.00	17.00	0.20	15.6334
0.018	1.017082	11.00	16.00	0.25	13.2648
0.020	1.018980	10.00	15.00	0.25	12.2315
0.022	1.020878	9.00	14.00	0.20	11.5213
0.024	1.022776	9.00	13.00	0.20	10.9450
0.025	1.023724	9.00	13.00	0.20	10.7311
0.026	1.024673	9.20	10.70	0.05	10.5103
0.028	1.026571	8.70	10.30	0.05	10.1340
0.030	1.028469	8.40	10.00	0.05	9.8521
0.032	1.030367	8.30	9.70	0.05	9.5818
0.036	1.034163	7.90	9.30	0.05	9.1772
0.040	1.037959	7.70	9.00	0.05	8.8779
0.045	1.042704	7.40	8.70	0.05	8.5708
0.050	1.047449	7.30	8.50	0.05	8.3451
0.075	1.071173	6.70	8.00	0.05	7.7703
0.100	1.094898	6.50	7.70	0.05	7.5547
0.150	1.142347	6.40	7.50	0.05	7.4061
0.200	1.189796	6.30	7.60	0.05	7.3795
0.350	1.332143	6.30	7.50	0.05	7.4168
0.500	1.474490	6.30	7.60	0.05	7.4002
0.750	1.711735	6.00	7.40	0.05	7.2555
1.000	1.948980	5.90	7.20	0.05	7.0389
1.500	2.423469	5.50	6.70	0.05	6.5407
2.000	2.897959	5.00	6.20	0.05	6.0627
2.500	3.372449	4.80	5.70	0.05	5.6394
3.000	3.846939	4.60	5.40	0.05	5.2877
4.000	4.795918	4.00	5.00	0.02	4.7160
5.000	5.744898	3.70	4.40	0.02	4.2864
6.000	6.693878	3.40	4.00	0.02	3.9359
7.000	7.642857	3.20	3.70	0.02	3.6489
7.500	8.117347	3.00	3.60	0.02	3.5213

Table B.2.2.1.3-1. Critical Dimensions for Pu Cylinder - 90% ^{239}Pu – 10" Water Reflection

90% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	3.00	3.50	0.02	3.4121
9.000	9.540816	2.80	3.30	0.02	3.1988
10.000	10.489796	2.60	3.10	0.02	3.0123
15.000	15.234694	2.00	2.40	0.02	2.3350
19.600	19.600000	1.70	2.00	0.02	1.9231

B.2.2.2 85% ^{239}Pu

B.2.2.2.1 0” Water Reflection

Case ID: Pu-icyl-0850-00

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 85% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

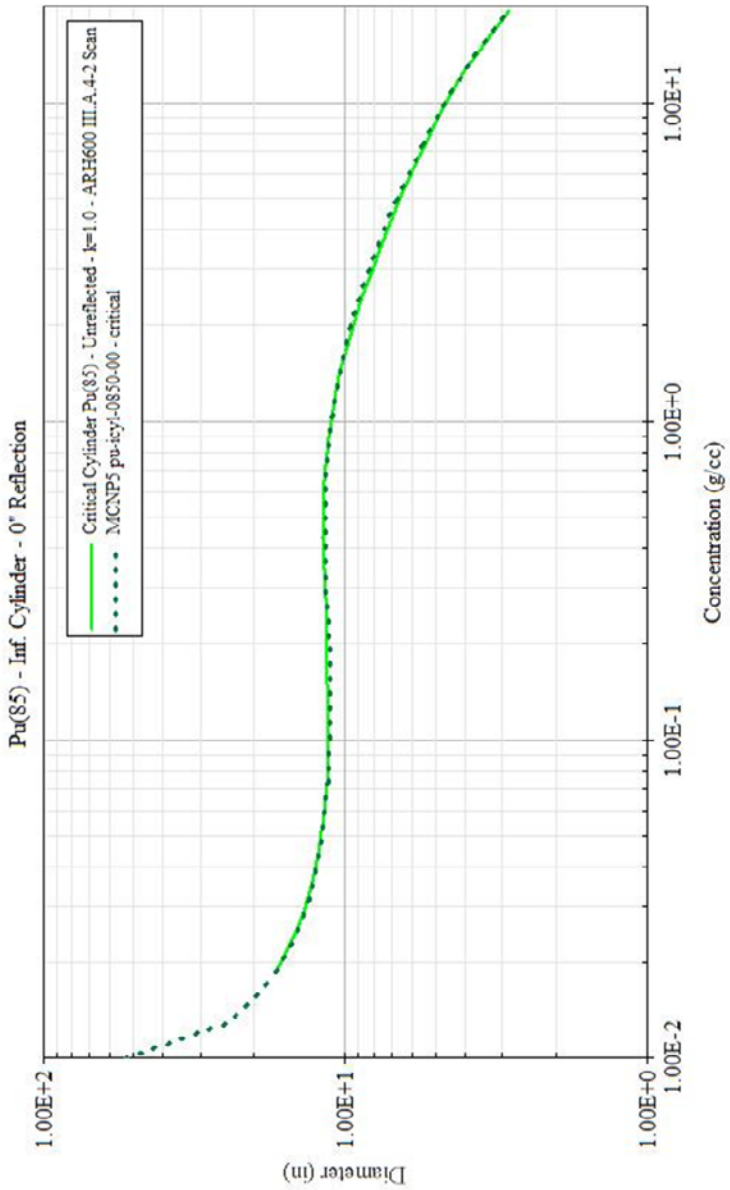

Figure B.2.2.2.1-1. Pu Cylinder - 85% ^{239}Pu – 0" Water Reflection

Table B.2.2.2.1-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 0" Water Reflection

85% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	30.00	55.00	0.50	53.3864
0.013	1.012337	19.00	26.00	0.25	24.5023
0.015	1.014235	16.00	23.00	0.25	20.4294
0.018	1.017082	14.00	20.00	0.25	17.3775
0.020	1.018980	13.00	20.00	0.25	16.1986
0.022	1.020878	13.00	18.00	0.25	15.2976
0.024	1.022776	12.00	17.00	0.20	14.6202
0.025	1.023724	12.00	17.00	0.25	14.3754
0.026	1.024673	12.00	16.00	0.20	14.1440
0.028	1.026571	12.00	16.00	0.20	13.7101
0.030	1.028469	11.00	16.00	0.20	13.3699
0.032	1.030367	11.00	15.00	0.20	13.0901
0.036	1.034163	11.00	13.00	0.10	12.6569
0.040	1.037959	11.00	13.00	0.10	12.3273
0.045	1.042704	10.80	14.00	0.20	12.0389
0.050	1.047449	10.50	12.00	0.05	11.8124
0.075	1.071173	10.00	11.50	0.05	11.3029
0.100	1.094898	10.00	11.30	0.05	11.1466
0.150	1.142347	10.00	11.50	0.05	11.1446
0.200	1.189796	10.00	11.40	0.05	11.2452
0.350	1.332143	10.00	12.00	0.10	11.5135
0.500	1.474490	10.00	12.00	0.10	11.5821
0.750	1.711735	10.00	13.00	0.10	11.4375
1.000	1.948980	9.80	13.00	0.10	11.0933
1.500	2.423469	9.00	12.00	0.10	10.2699
2.000	2.897959	8.40	9.70	0.05	9.5159
2.500	3.372449	7.90	9.00	0.05	8.8470
3.000	3.846939	7.40	8.40	0.05	8.2527
4.000	4.795918	6.60	7.50	0.05	7.3546
5.000	5.744898	6.00	7.00	0.05	6.6660
6.000	6.693878	5.50	6.20	0.02	6.1177
7.000	7.642857	5.10	5.80	0.02	5.6745
7.500	8.117347	4.90	5.60	0.02	5.4772

Table B.2.2.2.1-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 0" Water Reflection

85% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	4.80	5.40	0.02	5.2917
9.000	9.540816	4.50	5.10	0.02	4.9576
10.000	10.489796	4.20	4.80	0.02	4.6727
15.000	15.234694	3.20	3.60	0.02	3.5506
19.600	19.600000	2.50	2.90	0.02	2.8229

B.2.2.2.2 1” Water Reflection

Case ID: Pu-icyl-0850-01

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 85% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

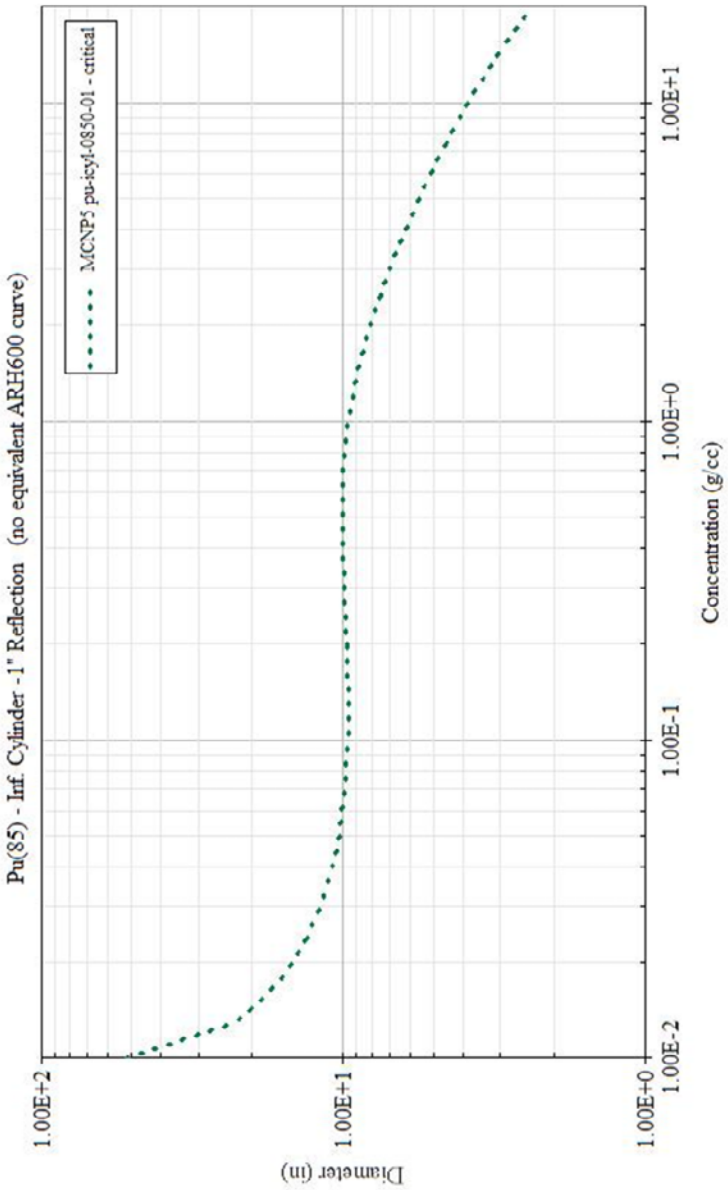

Figure B.2.2.2.2-1. Pu Cylinder - 85% ^{239}Pu – 1" Water Reflection

Table B.2.2.2.2-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 1" Water Reflection

85% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	27.50	55.00	0.50	52.0846
0.013	1.012337	18.00	24.00	0.20	22.9396
0.015	1.014235	15.00	20.00	0.25	18.8884
0.018	1.017082	13.00	18.00	0.25	15.8200
0.020	1.018980	12.00	17.00	0.25	14.6362
0.022	1.020878	11.00	16.00	0.20	13.7717
0.024	1.022776	11.00	15.00	0.20	13.1390
0.025	1.023724	11.00	15.00	0.20	12.8566
0.026	1.024673	10.80	15.00	0.20	12.6108
0.028	1.026571	10.00	14.00	0.20	12.1985
0.030	1.028469	10.00	14.00	0.20	11.8366
0.032	1.030367	10.00	11.70	0.10	11.5653
0.036	1.034163	9.70	11.30	0.05	11.1294
0.040	1.037959	9.00	13.00	0.20	10.8035
0.045	1.042704	9.00	12.00	0.10	10.4919
0.050	1.047449	9.00	12.00	0.20	10.2808
0.075	1.071173	8.50	10.00	0.05	9.7347
0.100	1.094898	8.40	9.70	0.05	9.5523
0.150	1.142347	8.30	9.70	0.05	9.5530
0.200	1.189796	8.40	10.00	0.05	9.6276
0.350	1.332143	8.00	12.00	0.20	9.8819
0.500	1.474490	8.00	12.00	0.20	9.9737
0.750	1.711735	8.00	12.00	0.20	9.8444
1.000	1.948980	8.30	9.70	0.05	9.5605
1.500	2.423469	7.60	9.00	0.05	8.8199
2.000	2.897959	7.00	8.20	0.05	8.1201
2.500	3.372449	6.60	7.60	0.05	7.5102
3.000	3.846939	6.00	7.10	0.05	6.9923
4.000	4.795918	5.40	6.30	0.05	6.1680
5.000	5.744898	4.90	5.70	0.02	5.5611
6.000	6.693878	4.50	5.20	0.02	5.0808
7.000	7.642857	4.20	4.80	0.02	4.6948
7.500	8.117347	4.00	4.60	0.02	4.5237

Table B.2.2.2.2-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 1" Water Reflection

85% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	3.90	4.40	0.02	4.3628
9.000	9.540816	3.60	4.20	0.02	4.0863
10.000	10.489796	3.40	3.90	0.02	3.8447
15.000	15.234694	2.60	3.00	0.02	2.9334
19.600	19.600000	2.10	2.40	0.02	2.3721

B.2.2.2.3 10” Water Reflection

Case ID: Pu-icyl-0850-10

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 85% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

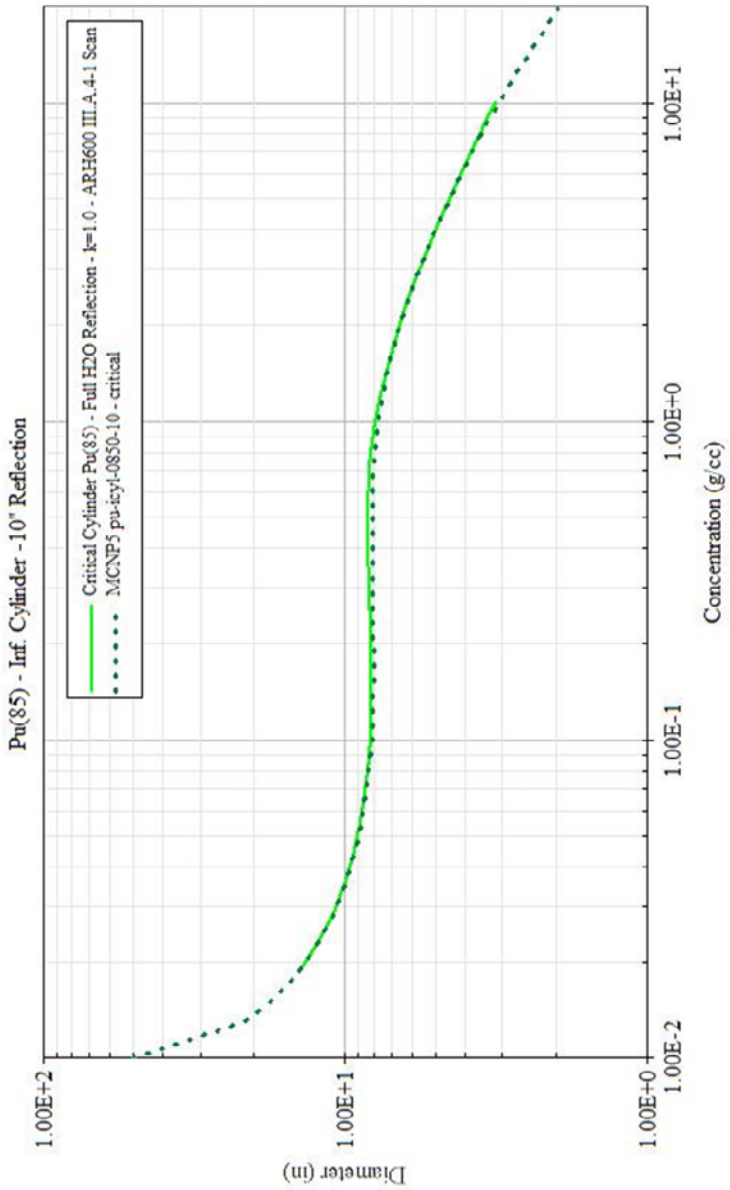

Figure B.2.2.2.3-1. Pu Cylinder - 85% ^{239}Pu – 10" Water Reflection

Table B.2.2.2.3-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 10" Water Reflection

85% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.010	1.009490	27.00	53.00	1.00	50.3409
0.013	1.012337	16.00	23.00	0.25	21.8098
0.015	1.014235	14.00	20.00	0.25	17.7506
0.018	1.017082	12.00	17.00	0.25	14.6905
0.020	1.018980	11.00	16.00	0.25	13.4918
0.022	1.020878	10.00	15.00	0.20	12.5847
0.024	1.022776	10.00	14.00	0.20	11.9406
0.025	1.023724	9.90	14.00	0.20	11.6445
0.026	1.024673	9.00	14.00	0.20	11.3795
0.028	1.026571	9.00	13.00	0.20	10.9808
0.030	1.028469	9.00	13.00	0.20	10.6273
0.032	1.030367	9.00	10.40	0.05	10.3345
0.036	1.034163	8.00	12.00	0.20	9.8716
0.040	1.037959	8.00	9.70	0.05	9.5210
0.045	1.042704	7.90	9.40	0.05	9.2031
0.050	1.047449	7.70	9.10	0.05	8.9560
0.075	1.071173	7.00	8.50	0.05	8.3283
0.100	1.094898	6.90	8.20	0.05	8.1006
0.150	1.142347	6.80	8.10	0.05	7.9639
0.200	1.189796	6.80	8.10	0.05	7.9656
0.350	1.332143	6.90	8.30	0.05	8.0885
0.500	1.474490	6.80	10.00	0.10	8.1235
0.750	1.711735	6.70	10.00	0.10	7.9798
1.000	1.948980	6.40	8.00	0.05	7.7366
1.500	2.423469	6.00	7.30	0.05	7.1263
2.000	2.897959	5.50	6.70	0.05	6.5363
2.500	3.372449	5.00	6.20	0.05	6.0451
3.000	3.846939	4.80	5.70	0.05	5.6234
4.000	4.795918	4.30	5.10	0.05	4.9656
5.000	5.744898	3.90	4.60	0.02	4.4704
6.000	6.693878	3.60	4.20	0.02	4.0899
7.000	7.642857	3.30	4.00	0.02	3.7836
7.500	8.117347	3.20	3.70	0.02	3.6502

Table B.2.2.2.3-1. Critical Dimensions for Pu Cylinder - 85% ^{239}Pu – 10" Water Reflection

85% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
8.000	8.591837	3.00	3.60	0.02	3.5222
9.000	9.540816	2.90	3.40	0.02	3.2933
10.000	10.489796	2.70	3.20	0.02	3.0979
15.000	15.234694	2.10	2.50	0.02	2.3927
19.600	19.600000	1.70	2.00	0.02	1.9627

B.2.2.3 80% ^{239}Pu

B.2.2.3.1 0” Water Reflection

Case ID: Pu-icyl-0800-00

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 80% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

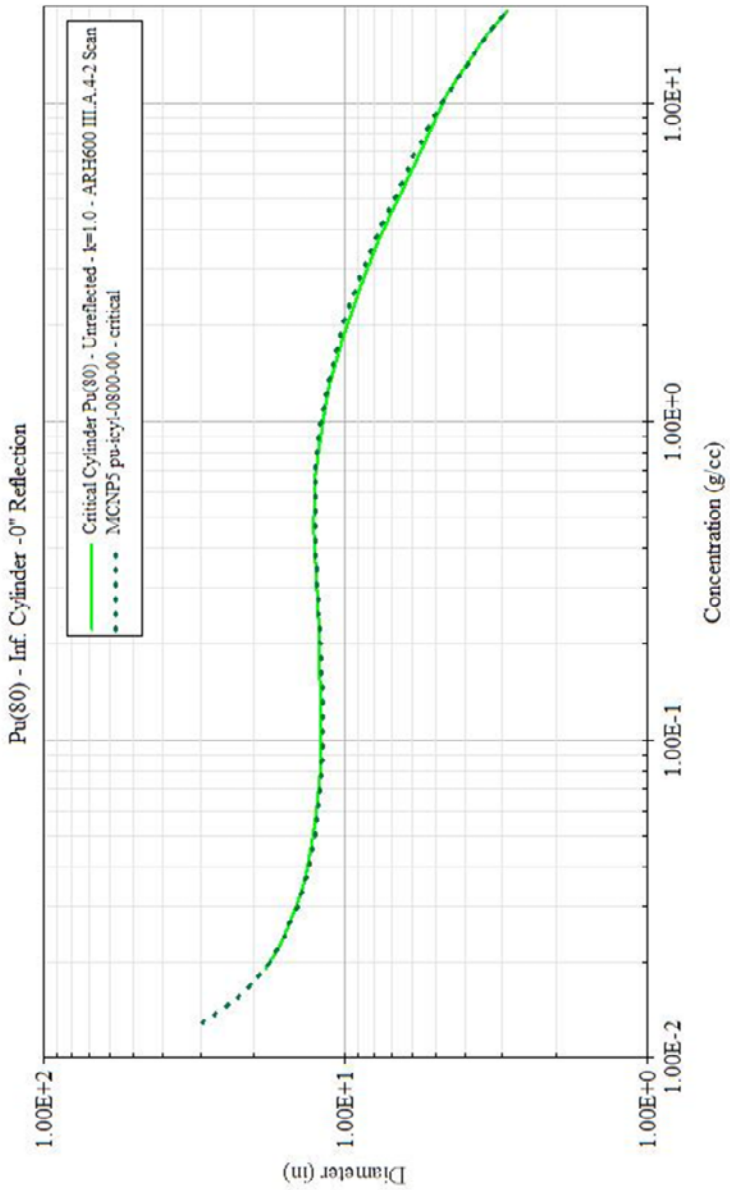

Figure B.2.2.3.1-1. Pu Cylinder - 80% ^{239}Pu – 0" Water Reflection

Table B.2.2.3.1-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 0" Water Reflection

80% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	22.50	30.00	0.25	29.8097
0.015	1.014235	18.00	25.00	0.25	23.4081
0.018	1.017082	15.90	20.00	0.20	19.3077
0.020	1.018980	14.00	20.00	0.25	17.7723
0.022	1.020878	14.00	20.00	0.25	16.6611
0.024	1.022776	13.00	18.00	0.25	15.8544
0.025	1.023724	13.00	18.00	0.25	15.4991
0.026	1.024673	13.00	18.00	0.25	15.2296
0.028	1.026571	12.00	17.00	0.20	14.7319
0.030	1.028469	12.00	17.00	0.25	14.3387
0.032	1.030367	12.00	16.00	0.20	14.0074
0.036	1.034163	11.00	16.00	0.20	13.4970
0.040	1.037959	11.00	15.00	0.20	13.1051
0.045	1.042704	11.00	15.00	0.20	12.7757
0.050	1.047449	11.00	13.50	0.10	12.5219
0.075	1.071173	10.00	14.00	0.20	11.9090
0.100	1.094898	10.40	12.50	0.10	11.7572
0.150	1.142347	10.00	14.00	0.20	11.8064
0.200	1.189796	10.00	14.00	0.20	11.9363
0.350	1.332143	10.80	14.00	0.20	12.3359
0.500	1.474490	10.90	15.00	0.20	12.4900
0.750	1.711735	10.70	14.00	0.20	12.3331
1.000	1.948980	10.00	14.00	0.20	11.9902
1.500	2.423469	9.00	13.00	0.20	10.9920
2.000	2.897959	8.90	10.30	0.05	10.1007
2.500	3.372449	8.20	9.40	0.05	9.3118
3.000	3.846939	7.70	9.00	0.05	8.6526
4.000	4.795918	6.80	7.80	0.05	7.6187
5.000	5.744898	6.20	7.00	0.05	6.8678
6.000	6.693878	5.60	6.40	0.02	6.2788
7.000	7.642857	5.20	6.00	0.02	5.8076
7.500	8.117347	5.00	5.70	0.02	5.5957
8.000	8.591837	4.90	5.50	0.02	5.4065

Table B.2.2.3.1-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 0" Water Reflection

80% ^{239}Pu - Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	4.50	5.20	0.02	5.0619
10.000	10.489796	4.30	5.00	0.02	4.7611
15.000	15.234694	3.20	3.70	0.02	3.6143
19.600	19.600000	2.60	2.90	0.02	2.8671

B.2.2.3.2 1” Water Reflection

Case ID: Pu-icyl-0800-01

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 80% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

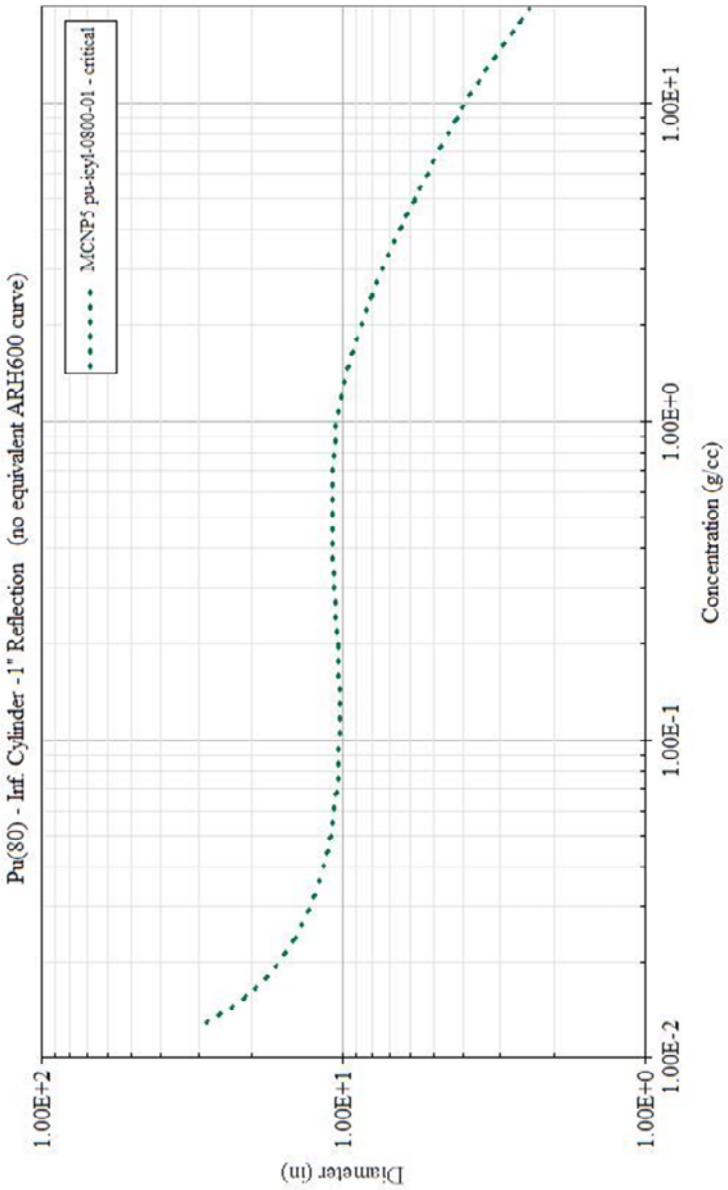

Figure B.2.2.3.2-1. Pu Cylinder - 80% ^{239}Pu – 1" Water Reflection

Table B.2.2.3.2-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 1" Water Reflection

80% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	20.00	30.00	0.50	28.2346
0.015	1.014235	17.00	23.00	0.25	21.9459
0.018	1.017082	14.00	20.00	0.25	17.7755
0.020	1.018980	13.00	20.00	0.25	16.2062
0.022	1.020878	12.00	17.00	0.20	15.1047
0.024	1.022776	12.00	16.00	0.20	14.3149
0.025	1.023724	11.90	16.00	0.20	13.9890
0.026	1.024673	11.00	16.00	0.20	13.6794
0.028	1.026571	11.00	15.00	0.20	13.1786
0.030	1.028469	11.00	15.00	0.20	12.8013
0.032	1.030367	10.00	15.00	0.20	12.4447
0.036	1.034163	10.00	14.00	0.20	11.9532
0.040	1.037959	10.00	14.00	0.20	11.5561
0.045	1.042704	9.70	12.00	0.10	11.2197
0.050	1.047449	9.00	13.00	0.20	10.9559
0.075	1.071173	9.00	11.00	0.10	10.3579
0.100	1.094898	8.80	12.00	0.20	10.2007
0.150	1.142347	8.80	11.00	0.10	10.1742
0.200	1.189796	8.90	11.00	0.10	10.3289
0.350	1.332143	9.00	13.00	0.20	10.6837
0.500	1.474490	9.00	13.00	0.20	10.8098
0.750	1.711735	9.00	13.00	0.20	10.7285
1.000	1.948980	8.90	12.00	0.20	10.4211
1.500	2.423469	8.00	9.70	0.05	9.5247
2.000	2.897959	7.50	9.00	0.05	8.6930
2.500	3.372449	6.90	8.10	0.05	7.9515
3.000	3.846939	6.40	7.50	0.05	7.3677
4.000	4.795918	5.70	6.60	0.05	6.4416
5.000	5.744898	5.00	6.00	0.02	5.7641
6.000	6.693878	4.60	5.30	0.02	5.2405
7.000	7.642857	4.30	5.00	0.02	4.8309
7.500	8.117347	4.10	4.70	0.02	4.6475
8.000	8.591837	4.00	4.60	0.02	4.4757

Table B.2.2.3.2-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 1" Water Reflection

80% ^{239}Pu - Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	3.70	4.30	0.02	4.1873
10.000	10.489796	3.50	4.00	0.02	3.9359
15.000	15.234694	2.65	3.10	0.02	2.9945
19.600	19.600000	2.15	2.50	0.02	2.4161

B.2.2.3.3 10” Water Reflection

Case ID: Pu-icyl-0800-10

Material: PU (Elemental)

Geometry: Cylinder

Isotopics: 80% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

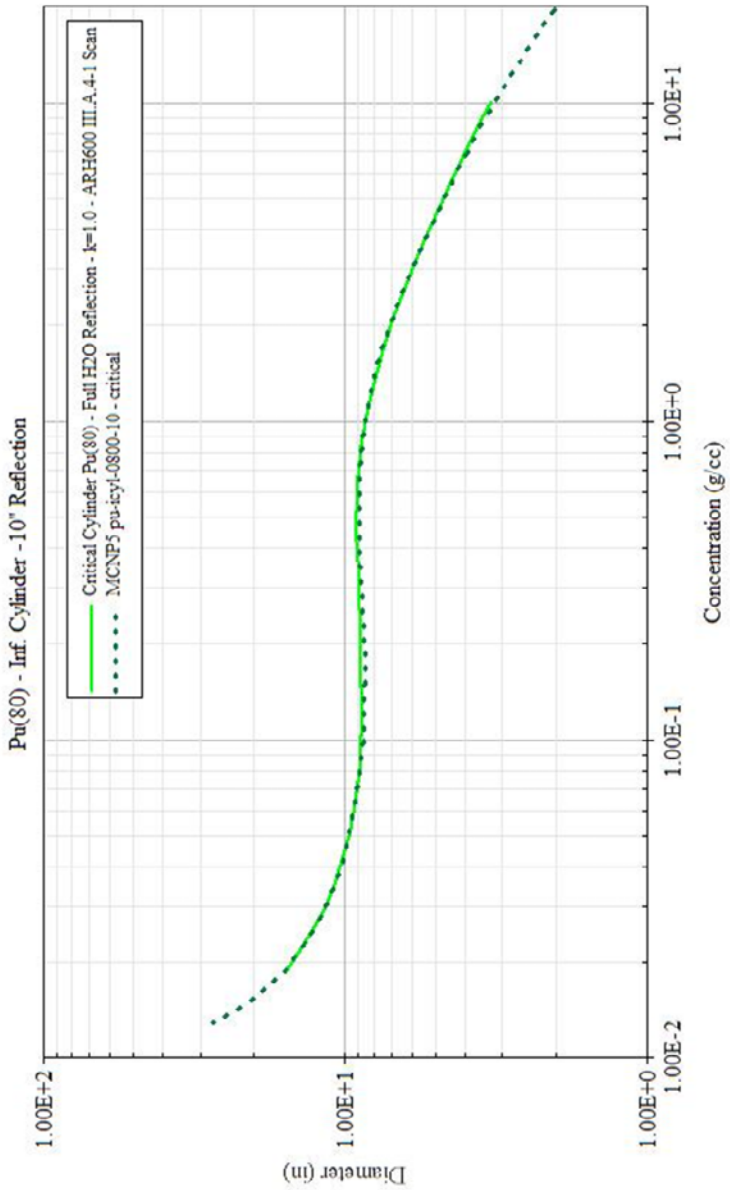

Figure B.2.2.3.3-1. Pu Cylinder - 80% ^{239}Pu – 10" Water Reflection

Table B.2.2.3.3-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 10" Water Reflection

80% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.013	1.012337	20.00	30.00	0.50	27.0960
0.015	1.014235	15.00	22.00	0.25	20.7598
0.018	1.017082	13.00	20.00	0.25	16.5467
0.020	1.018980	12.00	17.00	0.25	14.9929
0.022	1.020878	11.00	16.00	0.25	13.9296
0.024	1.022776	10.90	15.00	0.20	13.0925
0.025	1.023724	10.00	15.00	0.20	12.7591
0.026	1.024673	10.00	15.00	0.25	12.4837
0.028	1.026571	10.00	14.00	0.20	11.9686
0.030	1.028469	9.00	14.00	0.20	11.5491
0.032	1.030367	9.00	14.00	0.25	11.2403
0.036	1.034163	9.00	13.00	0.20	10.6808
0.040	1.037959	8.80	11.00	0.10	10.2612
0.045	1.042704	8.00	12.00	0.20	9.9032
0.050	1.047449	8.00	10.00	0.05	9.6226
0.075	1.071173	7.60	9.50	0.05	8.9386
0.100	1.094898	7.40	9.00	0.05	8.6749
0.150	1.142347	7.00	9.00	0.05	8.5646
0.200	1.189796	7.00	9.00	0.05	8.5947
0.350	1.332143	7.30	9.00	0.05	8.7962
0.500	1.474490	7.40	9.20	0.05	8.9296
0.750	1.711735	7.00	9.00	0.05	8.8121
1.000	1.948980	7.00	9.00	0.10	8.5116
1.500	2.423469	6.50	8.50	0.10	7.7735
2.000	2.897959	5.90	7.20	0.05	7.0536
2.500	3.372449	5.50	6.60	0.05	6.4631
3.000	3.846939	5.00	6.10	0.05	5.9690
4.000	4.795918	4.50	5.30	0.05	5.2189
5.000	5.744898	4.00	4.70	0.02	4.6747
6.000	6.693878	3.70	4.30	0.02	4.2445
7.000	7.642857	3.40	4.00	0.02	3.9114
7.500	8.117347	3.30	4.00	0.02	3.7673
8.000	8.591837	3.20	3.70	0.02	3.6385

Table B.2.2.3.3-1. Critical Dimensions for Pu Cylinder - 80% ^{239}Pu – 10" Water Reflection

80% ^{239}Pu - Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
9.000	9.540816	3.00	3.50	0.02	3.3995
10.000	10.489796	2.80	3.30	0.02	3.1948
15.000	15.234694	2.15	2.50	0.02	2.4516
19.600	19.600000	1.75	2.10	0.02	2.0068

B.2.3 Plane

B.2.3.1 90% ^{239}Pu

B.2.3.1.1 0” Water Reflection

Case ID: Pu-pl-0900-00

Material: PU (Elemental)

Geometry: Plane

Isotopics: 90% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

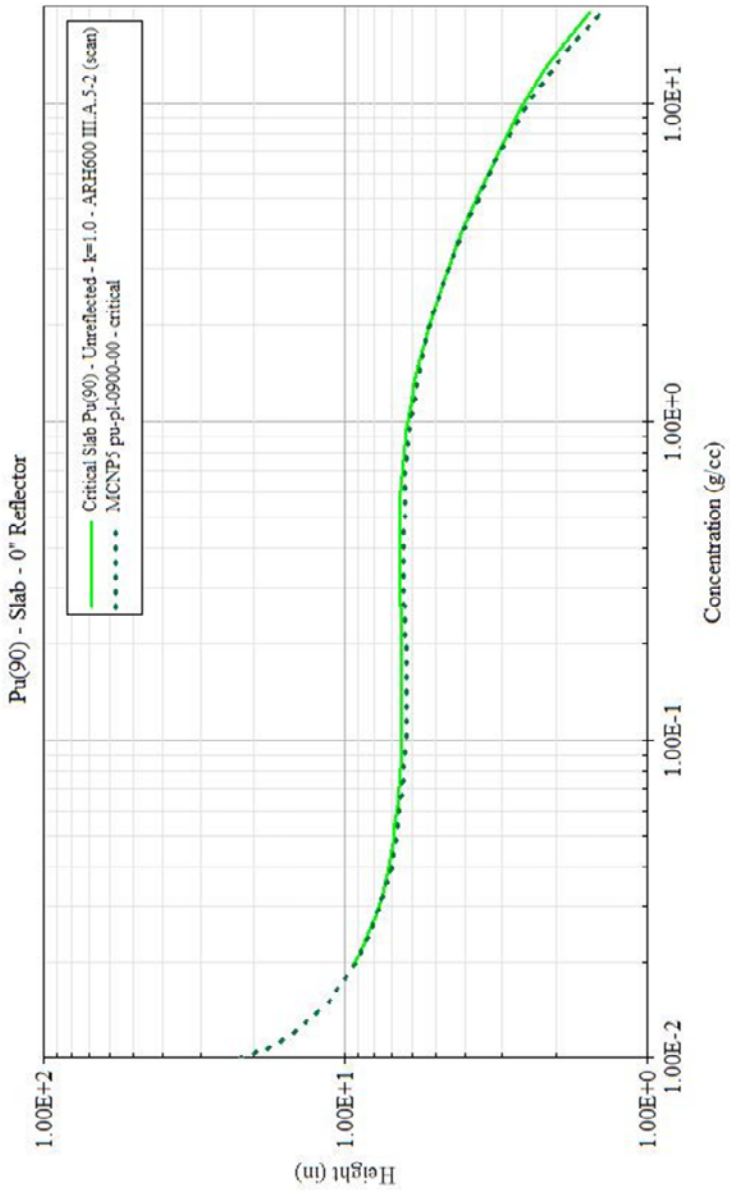

Figure B.2.3.1.1-1. Pu Plane - 90% ^{239}Pu – 0" Water Reflection

Table B. 2.3.1.1 1 Critical Dimensions for Pu Plane - 90% ^{239}Pu – 0" Water Reflection

90% ^{239}Pu - Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	15.00	25.00	0.50	22.2434
0.011	1.010439	12.00	26.00	0.50	17.3890
0.012	1.011388	11.00	15.10	0.20	14.7810
0.015	1.014235	9.00	13.00	0.20	11.2969
0.020	1.018980	7.80	9.30	0.05	9.1240
0.025	1.023724	7.00	8.30	0.05	8.1509
0.030	1.028469	6.70	7.70	0.05	7.6023
0.040	1.037959	6.00	7.20	0.05	7.0076
0.050	1.047449	5.90	6.80	0.05	6.7007
0.075	1.071173	5.70	6.50	0.05	6.3762
0.100	1.094898	5.60	6.40	0.05	6.2704
0.150	1.142347	5.50	6.30	0.02	6.2352
0.200	1.189796	5.50	6.40	0.05	6.2771
0.350	1.332143	5.60	6.50	0.05	6.3621
0.500	1.474490	5.60	6.50	0.05	6.3454
0.750	1.711735	5.50	6.30	0.05	6.2407
1.000	1.948980	5.30	6.20	0.05	6.0528
1.500	2.423469	4.90	5.70	0.02	5.6108
2.000	2.897959	4.60	5.30	0.02	5.2013
2.500	3.372449	4.30	5.00	0.02	4.8321
3.000	3.846939	4.00	4.60	0.02	4.5254
4.000	4.795918	3.60	4.10	0.02	4.0233
5.000	5.744898	3.20	3.70	0.02	3.6268
7.500	8.117347	2.60	3.00	0.02	2.9331
10.000	10.489796	2.20	2.50	0.02	2.4589
15.000	15.234694	1.60	1.90	0.02	1.7920
19.600	19.600000	1.20	1.40	0.01	1.3724

B.2.3.1.2 1” Water Reflection

Case ID: Pu-pl-0900-01

Material: PU (Elemental)

Geometry: Plane

Isotopics: 90% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

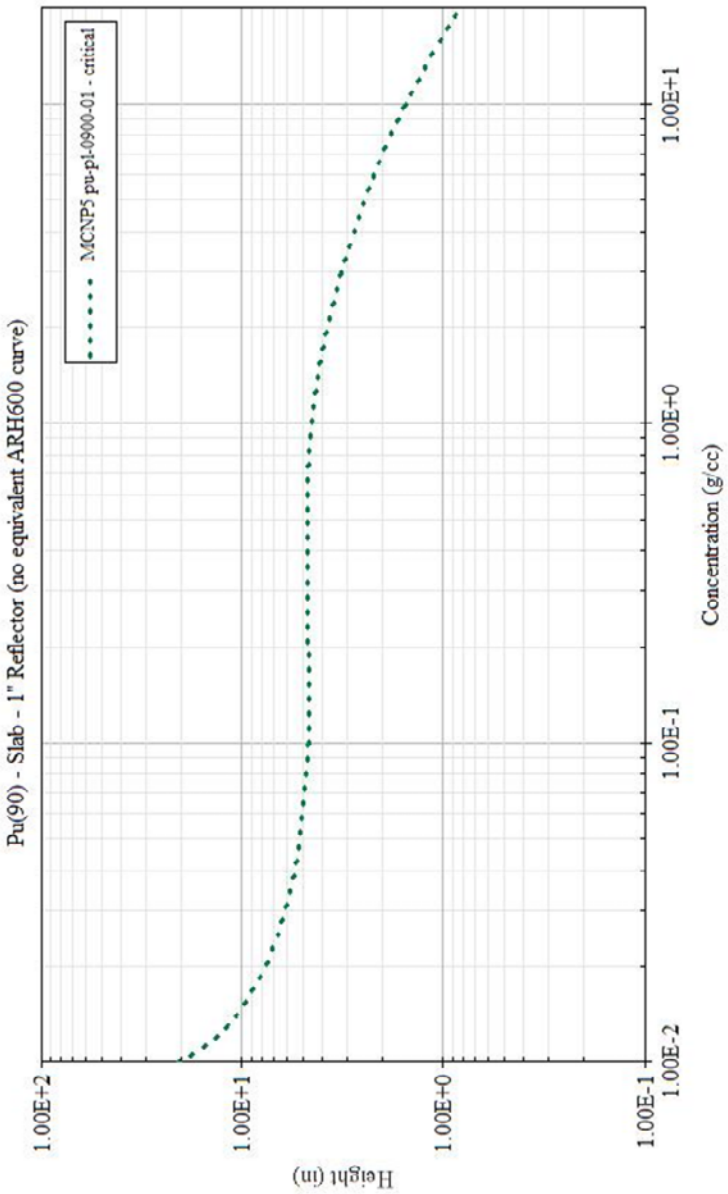

Figure B.2.3.1.2-1. Pu Plane - 90% ^{239}Pu – 1" Water Reflection

Table B.2.3.1.2-1. Critical Dimensions for Pu Plane - 90% ^{239}Pu – 1" Water Reflection

90% Pu239 Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	11.00	21.00	0.50	20.7145
0.011	1.010439	11.00	16.00	0.25	15.7932
0.012	1.011388	10.00	14.00	0.20	13.2808
0.015	1.014235	8.00	10.50	0.10	9.7618
0.020	1.018980	6.30	7.70	0.05	7.5811
0.025	1.023724	5.60	7.00	0.05	6.6054
0.030	1.028469	5.00	6.20	0.05	6.0514
0.040	1.037959	4.70	5.50	0.05	5.4540
0.050	1.047449	4.40	5.30	0.05	5.1268
0.075	1.071173	4.10	5.00	0.02	4.7857
0.100	1.094898	4.00	4.80	0.02	4.6776
0.150	1.142347	3.90	4.70	0.02	4.6296
0.200	1.189796	3.90	4.70	0.02	4.6438
0.350	1.332143	4.00	4.80	0.05	4.7211
0.500	1.474490	3.90	4.80	0.05	4.7281
0.750	1.711735	3.90	4.80	0.05	4.6441
1.000	1.948980	3.70	4.60	0.05	4.4838
1.500	2.423469	3.50	4.20	0.02	4.1128
2.000	2.897959	3.10	3.80	0.02	3.7559
2.500	3.372449	3.00	3.50	0.02	3.4528
3.000	3.846939	2.70	3.30	0.02	3.1908
4.000	4.795918	2.30	2.80	0.02	2.7674
5.000	5.744898	2.10	2.50	0.02	2.4494
7.500	8.117347	1.60	2.00	0.02	1.9025
10.000	10.489796	1.30	1.60	0.02	1.5445
15.000	15.234694	0.90	1.15	0.02	1.0946
19.600	19.600000	0.70	0.85	0.01	0.8427

B.2.3.1.3 10” Water Reflection

Case ID: Pu-pl-0900-10

Material: PU (Elemental)

Geometry: Plane

Isotopics: 90% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

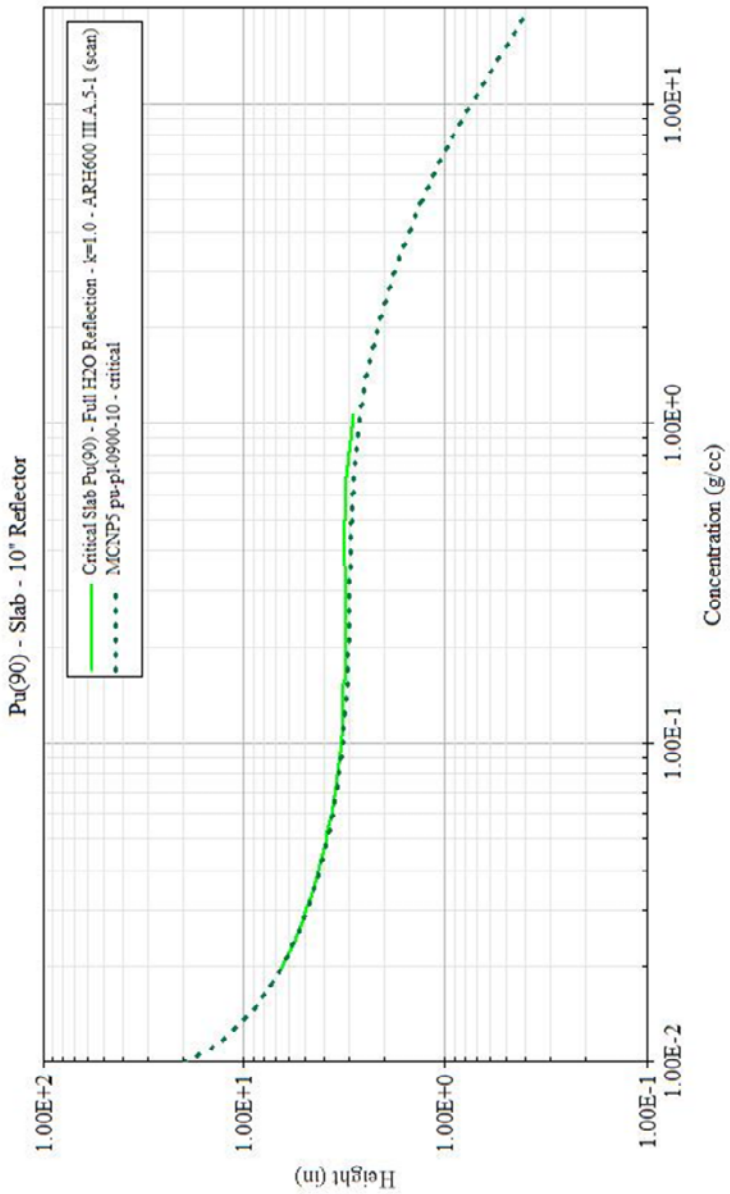

Figure B.2.3.1.3-1. Pu Plane - 90% ^{239}Pu – 10" Water Reflection

Table B.2.3.1.3-1. Critical Dimensions for Pu Plane - 90% ^{239}Pu – 10" Water Reflection

90% ^{239}Pu - Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	11.00	21.00	0.50	19.6176
0.011	1.010439	10.00	15.00	0.25	14.6309
0.012	1.011388	8.90	13.00	0.20	12.1251
0.015	1.014235	6.70	9.00	0.10	8.6235
0.020	1.018980	5.00	6.50	0.05	6.4131
0.025	1.023724	4.40	5.50	0.05	5.4217
0.030	1.028469	3.90	5.00	0.05	4.8298
0.040	1.037959	3.40	4.30	0.05	4.1787
0.050	1.047449	3.10	4.00	0.05	3.8297
0.075	1.071173	2.80	3.50	0.02	3.4011
0.100	1.094898	2.60	3.30	0.02	3.2050
0.150	1.142347	2.40	3.10	0.02	3.0520
0.200	1.189796	2.30	3.10	0.02	2.9999
0.350	1.332143	2.30	3.00	0.02	2.9544
0.500	1.474490	2.20	3.00	0.05	2.9073
0.750	1.711735	2.00	3.00	0.02	2.8219
1.000	1.948980	2.00	2.70	0.02	2.6853
1.500	2.423469	1.80	2.50	0.02	2.4102
2.000	2.897959	1.60	2.20	0.02	2.1581
2.500	3.372449	1.40	2.00	0.02	1.9535
3.000	3.846939	1.30	1.80	0.02	1.7790
4.000	4.795918	1.10	1.60	0.02	1.5030
5.000	5.744898	1.00	1.40	0.02	1.2939
7.500	8.117347	0.70	1.00	0.02	0.9537
10.000	10.489796	0.55	0.75	0.01	0.7463
15.000	15.234694	0.35	0.55	0.01	0.5102
19.600	19.600000	0.25	0.40	0.01	0.3877

B.2.3.2 85% ^{239}Pu

B.2.3.2.1 0” Water Reflection

Case ID: Pu-pl-0850-00

Material: PU (Elemental)

Geometry: Plane

Isotopics: 85% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

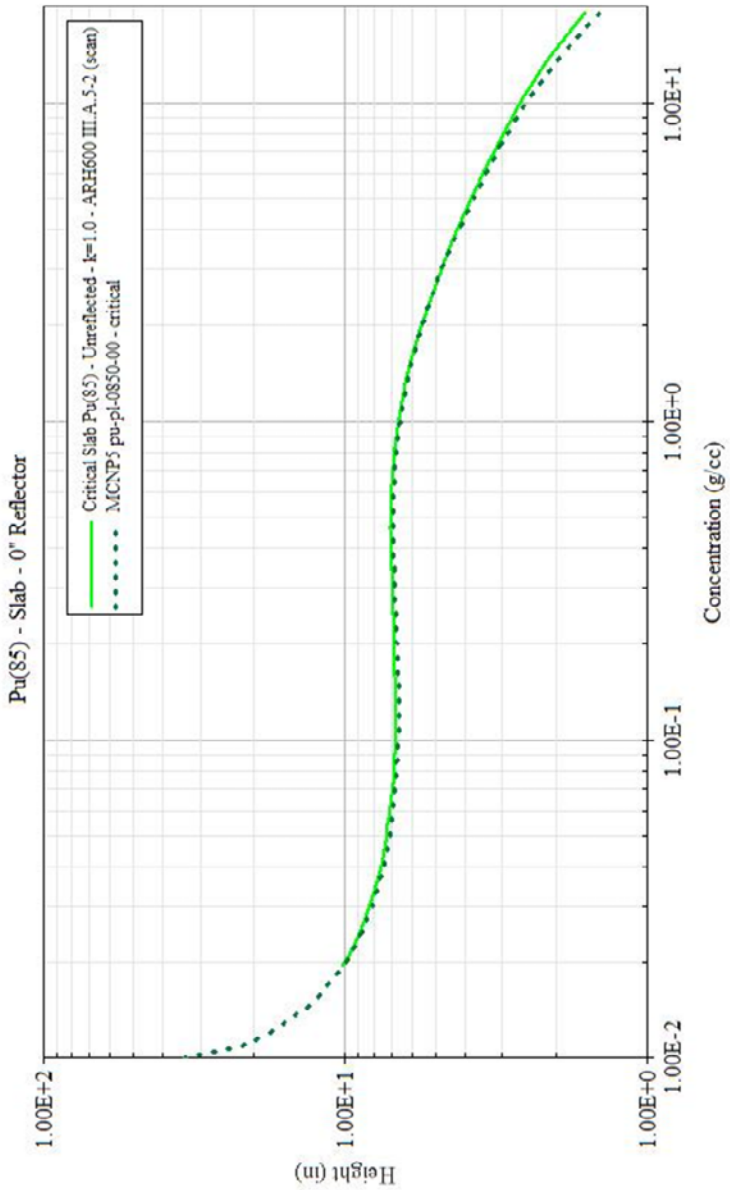

Figure B.2.3.2.1-1 Pu Plane – 85% ^{239}Pu – 0" Water Reflection

Table B.2.3.2.1-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 0" Water Reflection

85% ^{239}Pu - Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	14.00	40.00	1.00	33.8503
0.011	1.010439	14.00	23.00	0.25	22.1557
0.012	1.011388	13.00	20.00	0.25	17.7124
0.015	1.014235	10.00	13.00	0.10	12.6714
0.020	1.018980	8.40	10.10	0.05	9.9127
0.025	1.023724	7.50	9.00	0.05	8.7435
0.030	1.028469	7.00	8.20	0.05	8.1129
0.040	1.037959	6.50	7.50	0.05	7.4240
0.050	1.047449	6.20	7.20	0.05	7.0906
0.075	1.071173	6.00	7.00	0.05	6.7434
0.100	1.094898	5.90	6.80	0.05	6.6389
0.150	1.142347	5.80	6.80	0.05	6.6429
0.200	1.189796	5.90	6.80	0.05	6.6933
0.350	1.332143	6.00	7.00	0.05	6.8364
0.500	1.474490	6.00	7.00	0.05	6.8792
0.750	1.711735	5.80	7.00	0.05	6.7796
1.000	1.948980	5.70	6.70	0.05	6.5624
1.500	2.423469	5.30	6.10	0.05	6.0449
2.000	2.897959	4.80	5.60	0.02	5.5448
2.500	3.372449	4.50	5.20	0.02	5.1192
3.000	3.846939	4.20	5.00	0.02	4.7565
4.000	4.795918	3.70	4.30	0.02	4.1839
5.000	5.744898	3.30	3.80	0.02	3.7490
7.500	8.117347	2.70	3.10	0.02	3.0103
10.000	10.489796	2.20	2.60	0.02	2.5129
15.000	15.234694	1.60	1.85	0.02	1.8275
19.600	19.600000	1.20	1.45	0.02	1.3972

B.2.3.2.2 1” Water Reflection

Case ID: Pu-pl-0850-01

Material: PU (Elemental)

Geometry: Plane

Isotopics: 85% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

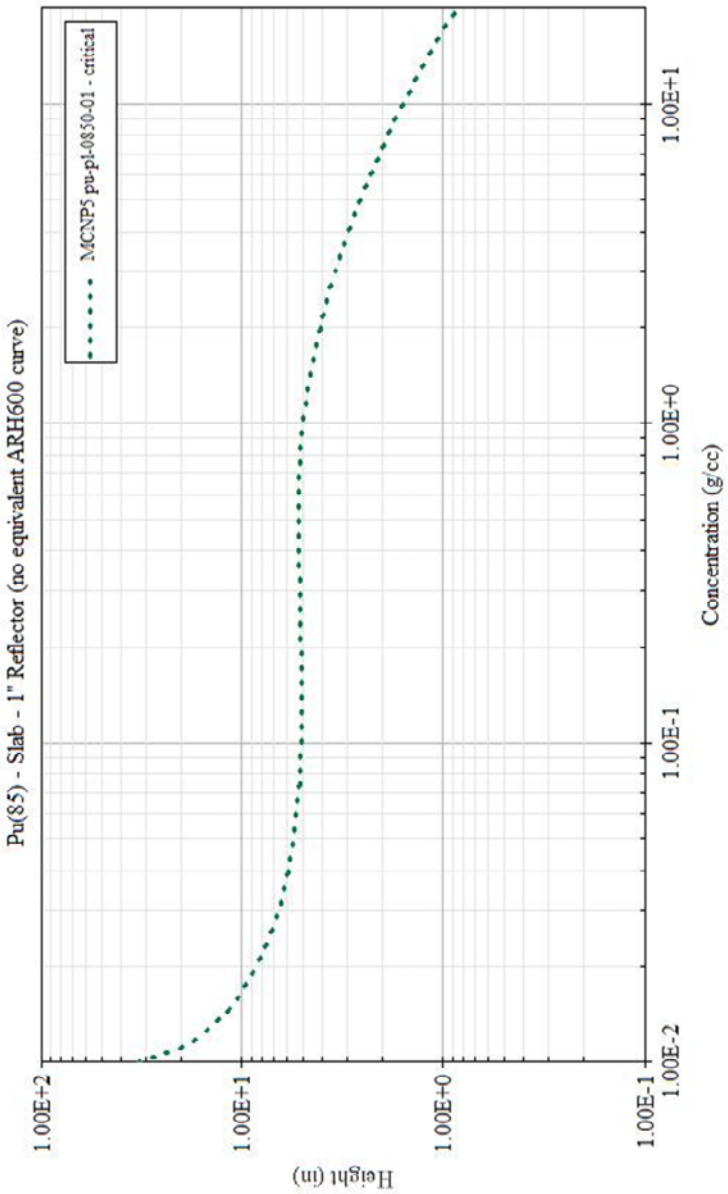

Figure B.2.3.2.2-1. Pu Plane – 85% ^{239}Pu – 1" Water Reflection

Table B.2.3.2.2-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 1" Water Reflection

85% ^{239}Pu - Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	17.00	37.00	1.00	32.6844
0.011	1.010439	13.00	22.00	0.25	20.6144
0.012	1.011388	11.00	18.00	0.25	16.2009
0.015	1.014235	8.00	13.00	0.20	11.1441
0.020	1.018980	6.90	8.50	0.05	8.3598
0.025	1.023724	6.00	7.30	0.05	7.2132
0.030	1.028469	5.50	6.70	0.05	6.5576
0.040	1.037959	5.00	6.00	0.05	5.8751
0.050	1.047449	4.70	5.60	0.05	5.5276
0.075	1.071173	4.40	5.30	0.05	5.1596
0.100	1.094898	4.30	5.10	0.05	5.0412
0.150	1.142347	4.20	5.10	0.05	5.0039
0.200	1.189796	4.30	5.20	0.05	5.0399
0.350	1.332143	4.30	5.30	0.05	5.1900
0.500	1.474490	4.30	5.30	0.05	5.2244
0.750	1.711735	4.30	5.20	0.05	5.1514
1.000	1.948980	4.00	5.10	0.05	4.9794
1.500	2.423469	3.80	4.60	0.05	4.5255
2.000	2.897959	3.40	4.20	0.02	4.0981
2.500	3.372449	3.10	3.80	0.02	3.7282
3.000	3.846939	2.90	3.50	0.02	3.4231
4.000	4.795918	2.50	3.00	0.02	2.9411
5.000	5.744898	2.20	2.60	0.02	2.5768
7.500	8.117347	1.70	2.00	0.02	1.9795
10.000	10.489796	1.35	1.70	0.02	1.5988
15.000	15.234694	0.95	1.15	0.01	1.1297
19.600	19.600000	0.70	0.90	0.01	0.8665

B.2.3.2.3 10” Water Reflection

Case ID: Pu-pl-0850-10

Material: PU (Elemental)

Geometry: Plane

Isotopics: 85% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

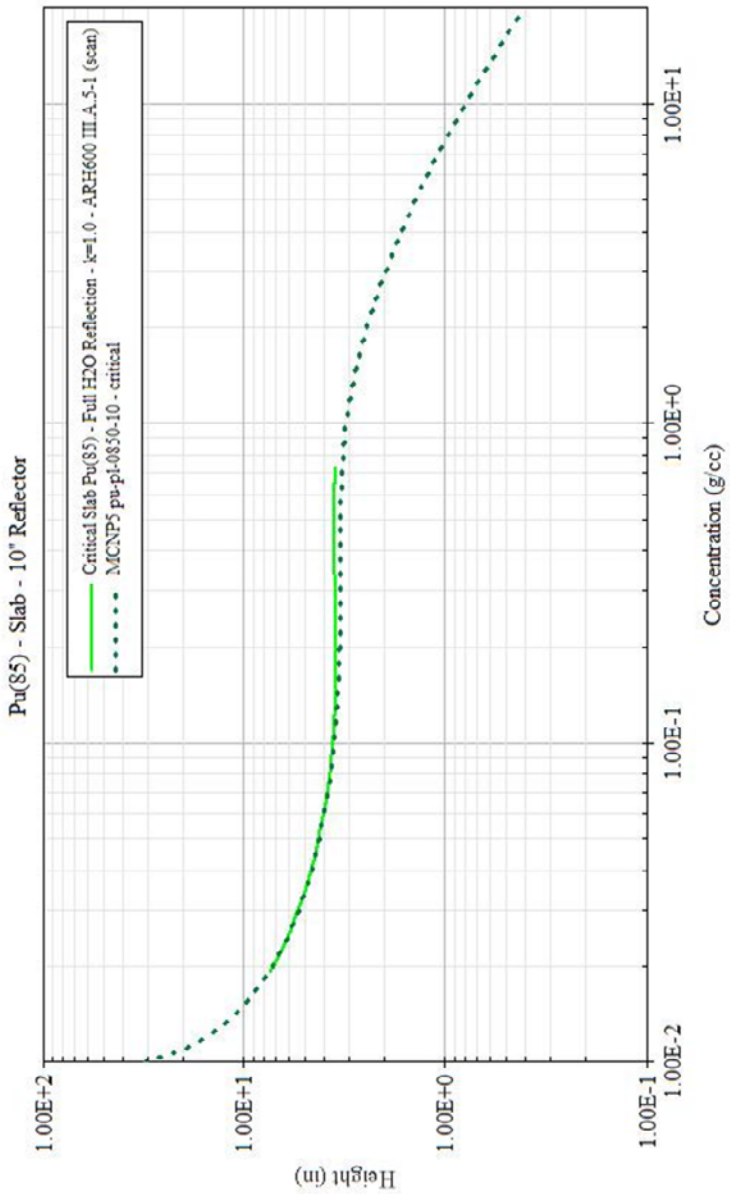

Figure B.2.3.2.3-1. Pu Plane – 85% ^{239}Pu – 10" Water Reflection

Table B.2.3.2.3-1. Critical Dimensions for Pu Plane – 85% ^{239}Pu – 10" Water Reflection

85% ^{239}Pu2 - Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.010	1.009490	15.00	35.00	1.00	31.1981
0.011	1.010439	12.00	20.00	0.25	19.4573
0.012	1.011388	10.00	16.00	0.25	15.0415
0.015	1.014235	7.00	13.00	0.25	9.9744
0.020	1.018980	5.70	7.40	0.05	7.1883
0.025	1.023724	4.80	6.10	0.05	5.9987
0.030	1.028469	4.30	5.40	0.05	5.3239
0.040	1.037959	3.70	4.70	0.05	4.5813
0.050	1.047449	3.40	4.30	0.05	4.1935
0.075	1.071173	3.00	3.80	0.05	3.7260
0.100	1.094898	2.80	3.60	0.02	3.5339
0.150	1.142347	2.60	3.50	0.05	3.3892
0.200	1.189796	2.60	3.40	0.02	3.3522
0.350	1.332143	2.60	3.40	0.05	3.3427
0.500	1.474490	2.50	3.40	0.05	3.3370
0.750	1.711735	2.40	3.30	0.05	3.2411
1.000	1.948980	2.30	3.20	0.05	3.0855
1.500	2.423469	2.00	2.80	0.02	2.7570
2.000	2.897959	1.80	2.50	0.02	2.4450
2.500	3.372449	1.60	2.30	0.02	2.1850
3.000	3.846939	1.50	2.00	0.02	1.9766
4.000	4.795918	1.20	1.70	0.02	1.6492
5.000	5.744898	1.10	1.50	0.02	1.4103
7.500	8.117347	0.75	1.10	0.02	1.0275
10.000	10.489796	0.60	0.84	0.01	0.8005
15.000	15.234694	0.40	0.55	0.01	0.5417
19.600	19.600000	0.30	0.45	0.01	0.4126

B.2.3.3 80% ^{239}Pu

B.2.3.3.1 0” Water Reflection

Case ID: Pu-pl-0800-00

Material: PU (Elemental)

Geometry: Plane

Isotopics: 80% ^{239}Pu

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

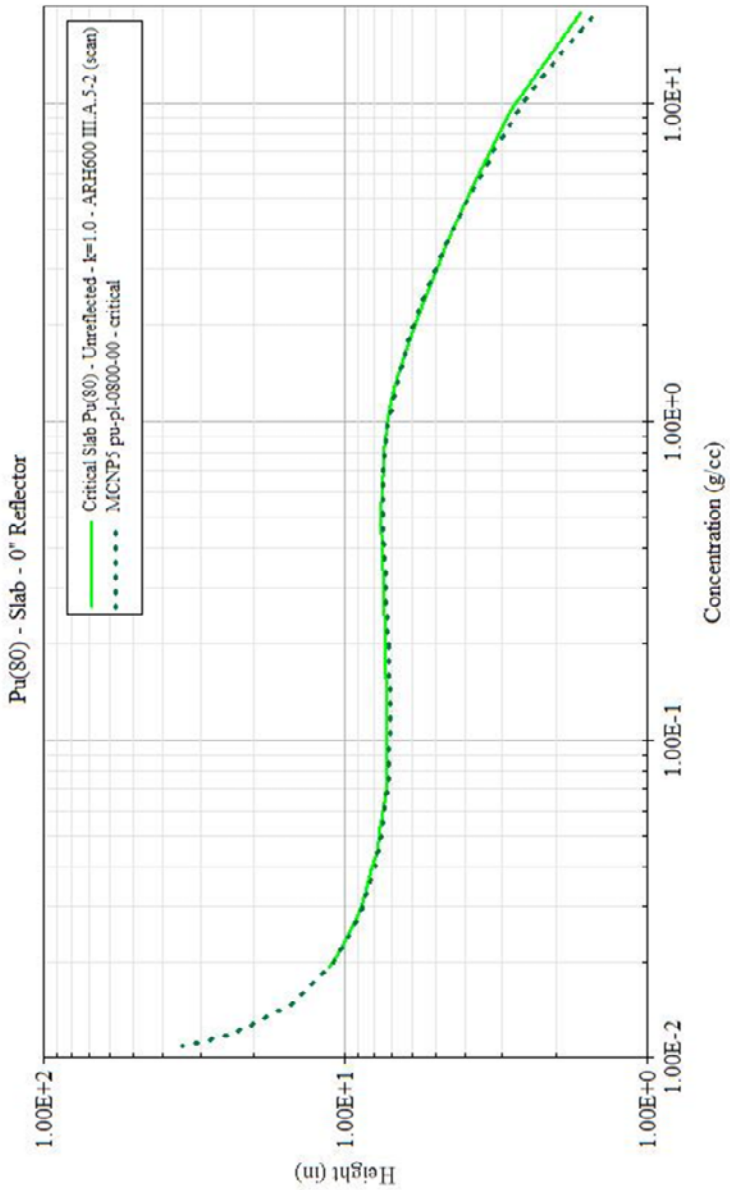

Figure B.2.3.3.1-1. Pu Plane – 80% ^{239}Pu – 0" Water Reflection

Table B.2.3.3.1-1. Critical Dimensions for Pu Plane – 80% ^{239}Pu – 0" Water Reflection

80% ^{239}Pu - Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.011	1.010439	20.00	45.00	1.00	34.8756
0.012	1.011388	15.00	24.00	0.25	23.2447
0.015	1.014235	11.00	16.00	0.25	14.6149
0.020	1.018980	9.00	13.00	0.20	10.9175
0.025	1.023724	8.00	9.60	0.05	9.4779
0.030	1.028469	7.50	9.00	0.05	8.7158
0.040	1.037959	6.90	8.10	0.05	7.9336
0.050	1.047449	6.60	7.70	0.05	7.5339
0.075	1.071173	6.30	7.30	0.05	7.1436
0.100	1.094898	6.20	7.20	0.05	7.0374
0.150	1.142347	6.00	7.20	0.05	7.0352
0.200	1.189796	6.20	7.30	0.05	7.1211
0.350	1.332143	6.40	7.40	0.05	7.3405
0.500	1.474490	6.40	7.60	0.05	7.4444
0.750	1.711735	6.30	7.50	0.05	7.3565
1.000	1.948980	6.00	7.20	0.05	7.1130
1.500	2.423469	5.60	6.60	0.05	6.4819
2.000	2.897959	5.00	6.00	0.05	5.8957
2.500	3.372449	4.70	5.50	0.02	5.4051
3.000	3.846939	4.40	5.10	0.02	4.9889
4.000	4.795918	3.80	4.40	0.02	4.3465
5.000	5.744898	3.40	4.00	0.02	3.8799
7.500	8.117347	2.70	3.20	0.02	3.0861
10.000	10.489796	2.30	2.60	0.02	2.5665
15.000	15.234694	1.65	1.90	0.02	1.8643
19.600	19.600000	1.25	1.45	0.01	1.4232

B.2.3.3.2 1” Water Reflection

Case ID: Pu-pl-0800-01

Material: PU (Elemental)

Geometry: Plane

Isotopics: 80% ^{239}Pu

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

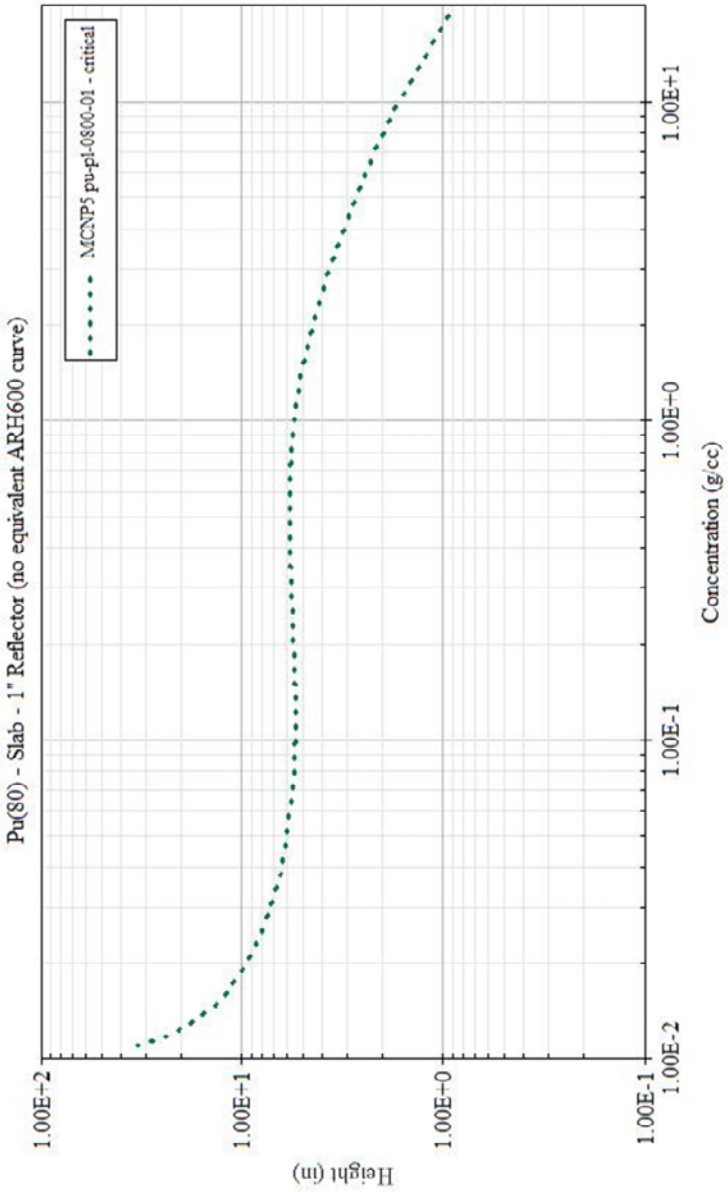

Figure B.2.3.3.2-1. Pu Plane – 80% ^{239}Pu – 1" Water Reflection

Table B.2.3.3.2-1. Critical Dimensions for Pu Plane – 80% 239Pu – 1" Water Reflection

80% ^{239}Pu - Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.011	1.010439	18.00	40.00	1.00	33.2062
0.012	1.011388	13.00	30.00	0.75	21.7380
0.015	1.014235	9.90	13.20	0.20	13.0841
0.020	1.018980	7.00	13.00	0.25	9.3813
0.025	1.023724	6.60	8.10	0.05	7.9549
0.030	1.028469	6.00	7.30	0.05	7.1700
0.040	1.037959	5.40	6.50	0.05	6.3486
0.050	1.047449	5.00	6.10	0.05	5.9510
0.075	1.071173	4.70	5.60	0.05	5.5440
0.100	1.094898	4.60	5.50	0.05	5.4268
0.150	1.142347	4.50	5.50	0.05	5.3971
0.200	1.189796	4.60	5.60	0.05	5.4735
0.350	1.332143	4.70	6.00	0.05	5.7033
0.500	1.474490	4.70	6.00	0.05	5.7696
0.750	1.711735	4.70	6.00	0.05	5.6978
1.000	1.948980	4.50	5.60	0.05	5.5034
1.500	2.423469	4.00	5.00	0.05	4.9487
2.000	2.897959	3.70	4.50	0.05	4.4380
2.500	3.372449	3.30	4.10	0.02	4.0145
3.000	3.846939	3.00	3.70	0.02	3.6543
4.000	4.795918	2.60	3.20	0.02	3.1022
5.000	5.744898	2.30	2.80	0.02	2.7050
7.500	8.117347	1.75	2.10	0.02	2.0613
10.000	10.489796	1.40	1.70	0.02	1.6562
15.000	15.234694	1.00	1.20	0.02	1.1626
19.600	19.600000	0.75	0.90	0.01	0.8919

B.2.3.3.3 10” Water Reflection

Case ID: Pu-pl-0800-10

Material: PU (Elemental)

Geometry: Plane

Isotopics: 80% ^{239}Pu

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

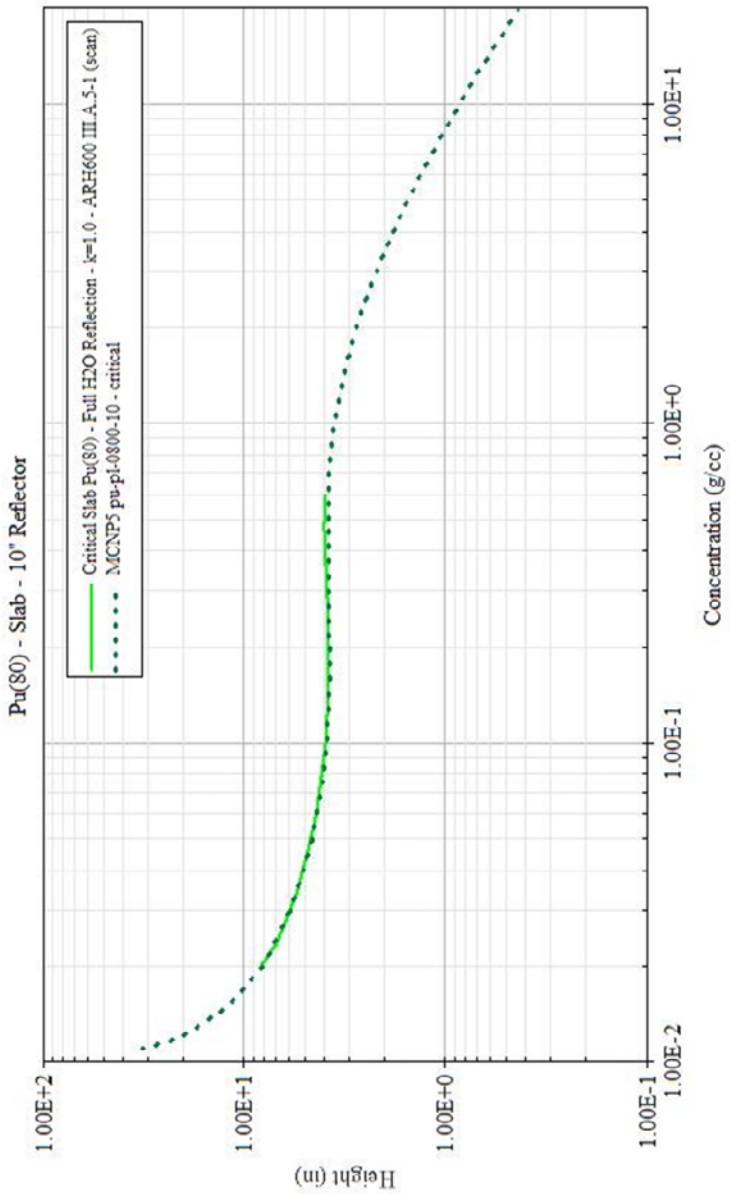

Figure B.2.3.3.3-1. Pu Plane – 80% ^{239}Pu – 10" Water Reflection

Table B.2.3.3.3-1. Critical Dimensions for Pu Plane – 80% 239Pu – 10” Water Reflection

80% ^{239}Pu - Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Height (Inches)**
0.011	1.010439	16.00	36.00	1.00	32.3743
0.012	1.011388	12.00	25.00	0.25	20.5632
0.015	1.014235	8.00	13.00	0.20	11.9162
0.020	1.018980	6.40	8.30	0.05	8.1691
0.025	1.023724	5.40	7.00	0.05	6.6996
0.030	1.028469	4.80	6.00	0.05	5.9113
0.040	1.037959	4.00	5.20	0.05	5.0527
0.050	1.047449	3.70	4.70	0.05	4.6104
0.075	1.071173	3.30	4.20	0.05	4.0938
0.100	1.094898	3.00	4.00	0.05	3.8913
0.150	1.142347	3.00	3.80	0.05	3.7553
0.200	1.189796	2.90	3.80	0.05	3.7343
0.350	1.332143	2.90	4.00	0.05	3.7843
0.500	1.474490	2.80	4.00	0.05	3.8103
0.750	1.711735	2.70	4.00	0.05	3.7228
1.000	1.948980	2.60	3.60	0.05	3.5491
1.500	2.423469	2.30	3.20	0.05	3.1311
2.000	2.897959	2.00	2.80	0.02	2.7525
2.500	3.372449	1.80	2.50	0.02	2.4374
3.000	3.846939	1.60	2.30	0.02	2.1775
4.000	4.795918	1.40	2.00	0.02	1.8009
5.000	5.744898	1.15	1.60	0.02	1.5295
7.500	8.117347	0.80	1.20	0.02	1.1026
10.000	10.489796	0.65	0.90	0.02	0.8567
15.000	15.234694	0.45	0.60	0.01	0.5775
19.600	19.600000	0.30	0.45	0.01	0.4375

B.3 UO_2-Water Mixture

B.3.1 Sphere

B.3.1.1 1.3% ^{235}U

B.3.1.1.1 0” Water Reflection

Case ID: u5o2-sp-0013-00

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

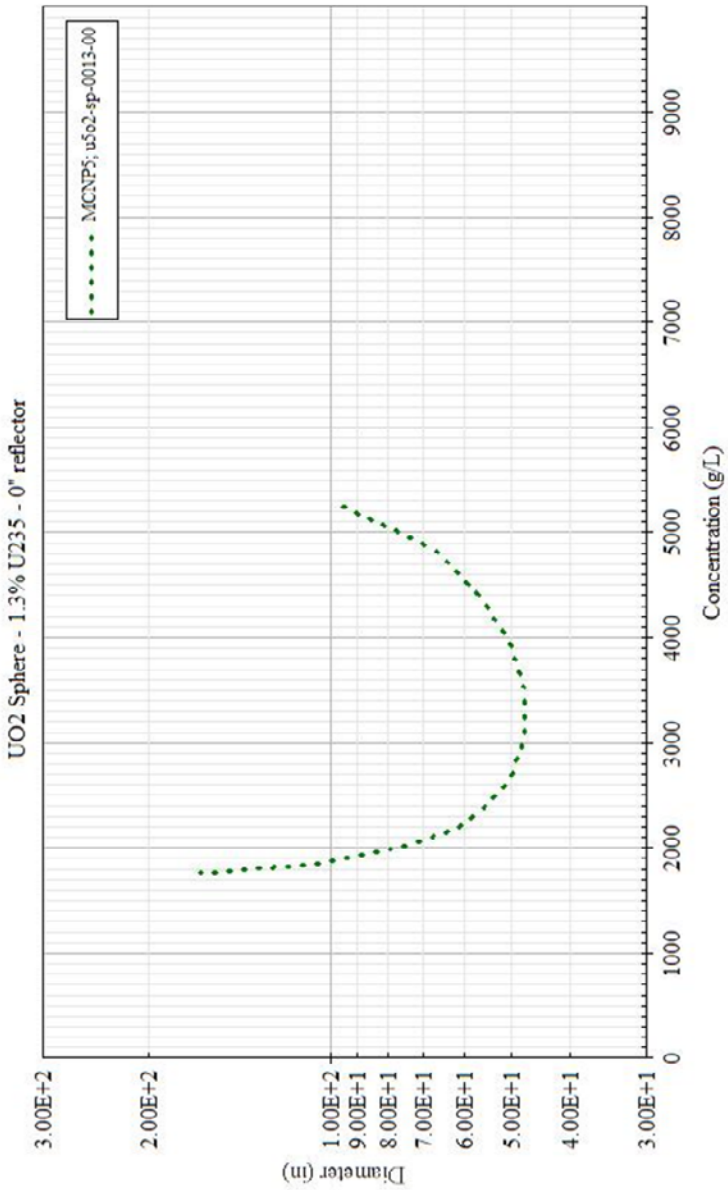

Figure B.3.1.1.1-1. UO_2 Sphere – 1.3% ^{235}U – 0" Water Reflection

Table B.3.1.1.1-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 0" Water Reflection

1.3% ^{235}U - UO_2 Sphere - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	40.00	200.00	5.00	164.7010
2.100	1.85113	2.909091	40.00	110.00	2.50	106.6161
2.300	2.02743	3.090909	40.00	100.00	2.00	73.7625
2.500	2.20373	3.272727	30.00	80.00	2.00	61.3542
2.700	2.38002	3.454545	35.00	60.00	1.00	55.6936
3.000	2.64447	3.727273	33.00	52.00	1.00	50.3040
3.500	3.08522	4.181818	30.00	70.00	2.00	47.3461
4.000	3.52596	4.636364	30.00	60.00	1.00	47.7206
4.500	3.96671	5.090909	30.00	64.00	1.00	50.2463
5.000	4.40745	5.545455	36.00	60.00	1.00	56.4444
5.500	4.84820	6.000000	40.00	90.00	2.00	66.9757
6.000	5.28894	6.454545	40.00	140.00	5.00	97.6451

B.3.1.1.2 1” Water Reflection

Case ID: u5o2-sp-0013-01

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

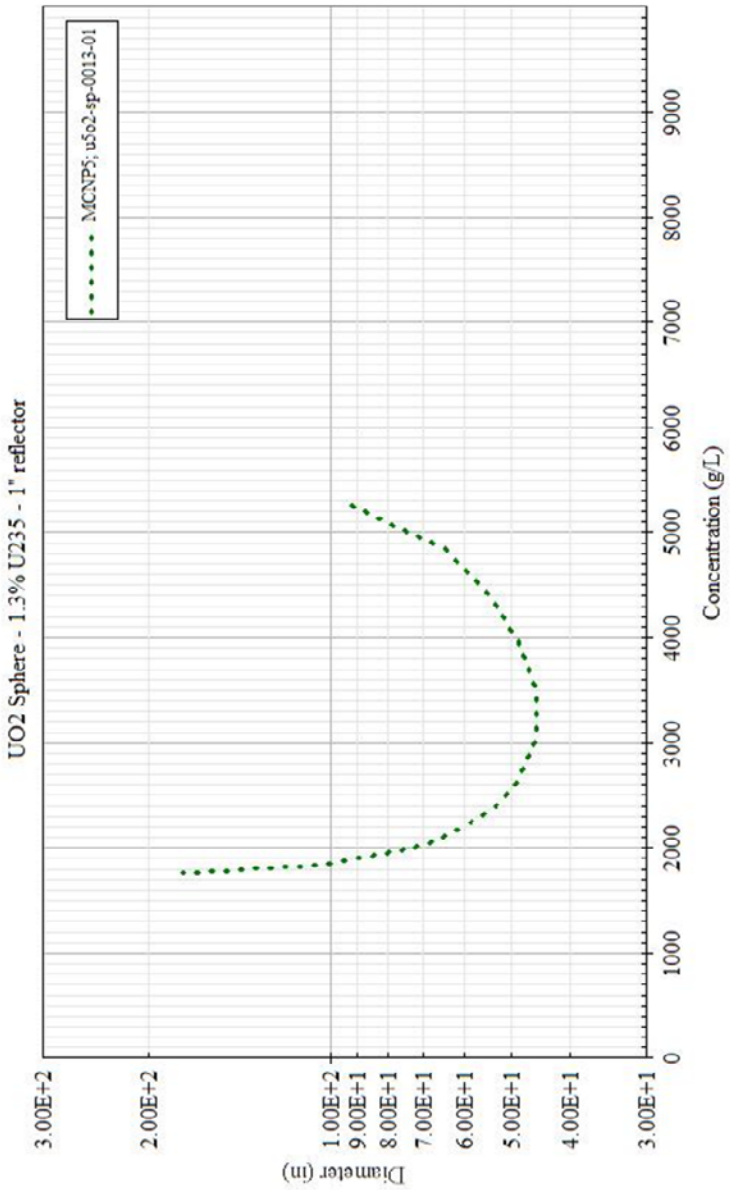

Figure B.3.1.1.2-1. UO_2 Sphere – 1.3% ^{235}U – 1" Water Reflection

Table B.3.1.1.2-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 1" Water Reflection

1.3% ^{235}U - UO_2 Sphere - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	40.00	180.00	5.00	176.0715
2.100	1.85113	2.909091	44.00	120.00	2.00	100.9627
2.300	2.02743	3.090909	30.00	80.00	2.00	69.8175
2.500	2.20373	3.272727	30.00	63.00	1.00	60.1496
2.700	2.38002	3.454545	30.00	54.00	1.00	53.5898
3.000	2.64447	3.727273	30.00	50.00	1.00	48.7719
3.500	3.08522	4.181818	32.00	50.00	0.50	45.3875
4.000	3.52596	4.636364	32.00	60.00	1.00	45.6494
4.500	3.96671	5.090909	30.00	50.00	1.00	48.6170
5.000	4.40745	5.545455	35.00	60.00	1.00	54.1975
5.500	4.84820	6.000000	37.00	70.00	1.00	64.6286
6.000	5.28894	6.454545	40.00	120.00	2.50	93.6111

B.3.1.1.3 10” Water Reflection

Case ID: u5o2-sp-0013-10

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

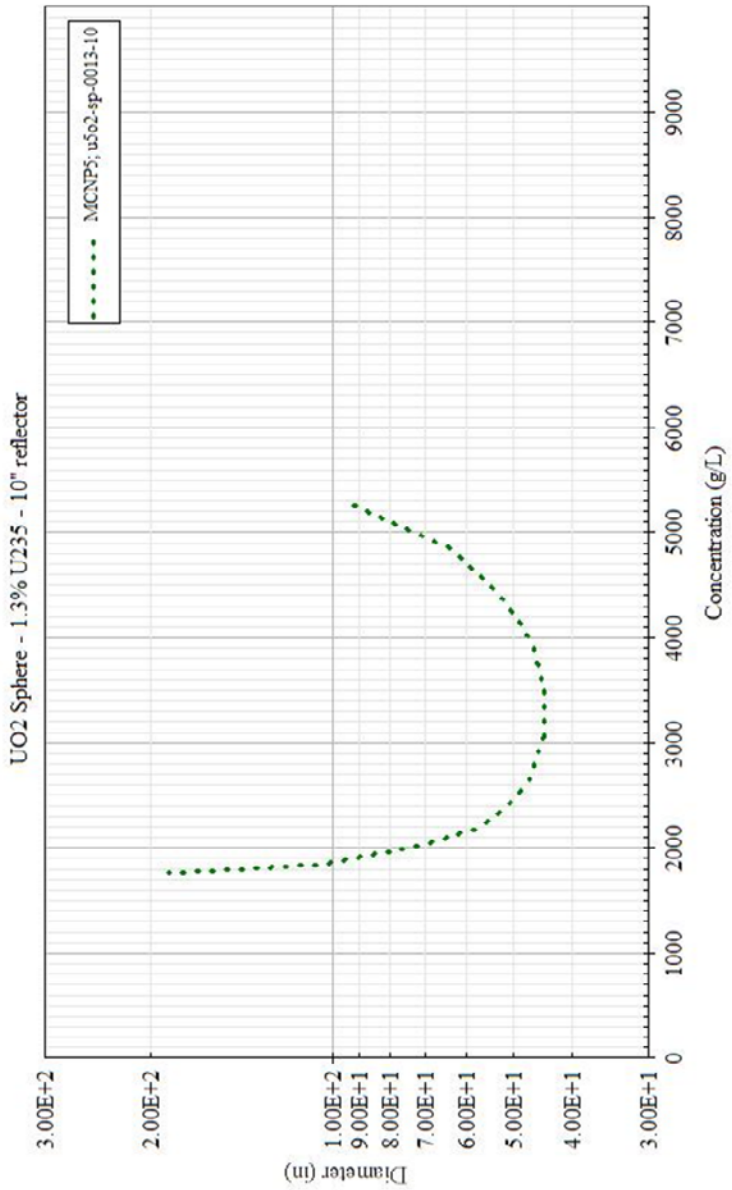

Figure B.3.1.1.3-1, UO_2 Sphere – 1.3% ^{235}U – 10" Water Reflection

Table B.3.1.1.3-1. Critical Dimensions for UO_2 Sphere – 1.3% ^{235}U – 10" Water Reflection

1.3% ^{235}U - UO_2 Sphere - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	40.00	240.00	10.00	187.1876
2.100	1.85113	2.909091	40.00	120.00	2.50	103.5180
2.300	2.02743	3.090909	38.00	82.00	2.00	71.2090
2.500	2.20373	3.272727	30.00	60.00	1.00	56.8176
2.700	2.38002	3.454545	30.00	53.00	1.00	51.6496
3.000	2.64447	3.727273	30.00	51.00	1.00	47.0709
3.500	3.08522	4.181818	20.00	80.00	2.00	44.4265
4.000	3.52596	4.636364	29.00	45.00	0.50	44.5139
4.500	3.96671	5.090909	30.00	50.00	1.00	46.4754
5.000	4.40745	5.545455	30.00	60.00	1.00	52.3295
5.500	4.84820	6.000000	30.00	70.00	2.00	63.5143
6.000	5.28894	6.454545	40.00	110.00	2.50	93.0953

B.3.2 Cylinder

B.3.2.1 6% ^{235}U

B.3.2.1.1 0” Water Reflection

Case ID: u5o2-icyl-0060-00

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Cylinder

Isotopics: 6% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

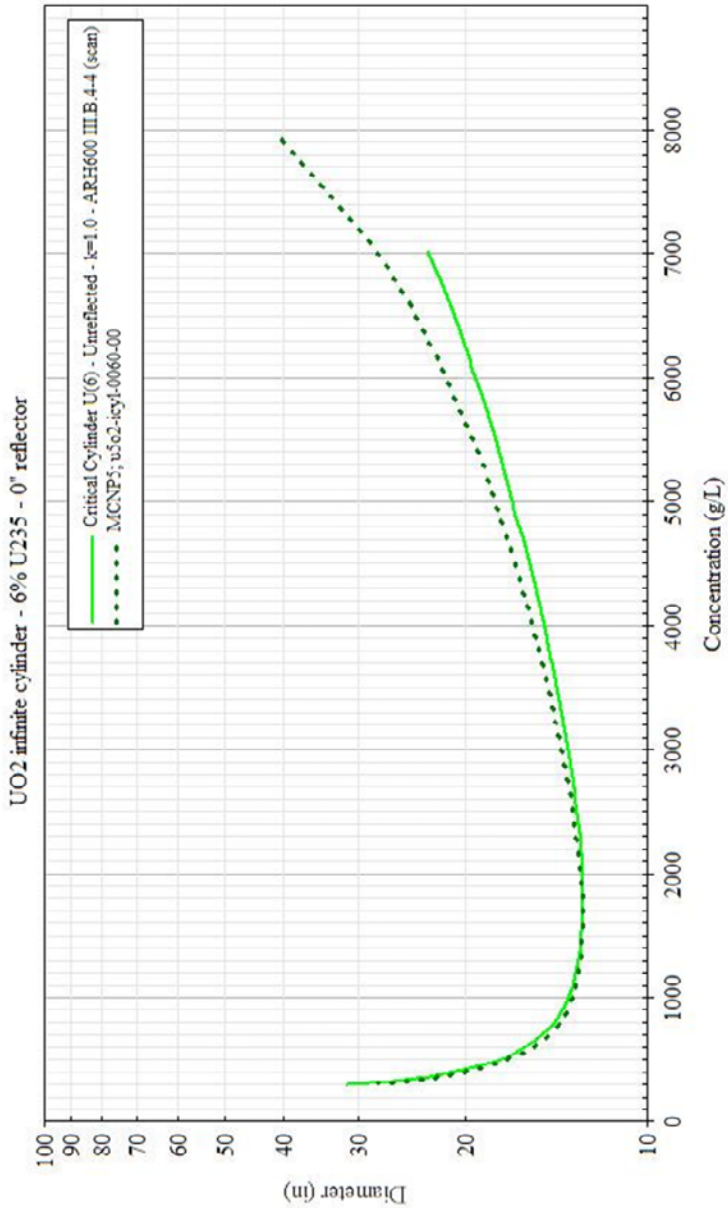

Figure B.3.2.1.1-1. UO_2 Cylinder - 6% ^{235}U – 0" Water Reflection

Table B.3.2.1.1-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 0" Water Reflection

6% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	20.00	30.00	0.25	27.9509
0.400	0.35257	1.363636	18.60	23.00	0.20	22.8482
0.500	0.44072	1.454545	15.80	18.60	0.10	18.4302
0.650	0.57293	1.590909	13.80	16.00	0.10	15.7360
0.800	0.70514	1.727273	12.60	15.10	0.10	14.4688
0.900	0.79329	1.818182	12.50	14.20	0.10	13.9504
1.000	0.88143	1.909091	12.00	14.00	0.05	13.5916
1.200	1.05772	2.090909	11.50	14.00	0.10	13.1140
1.500	1.32215	2.363636	11.30	13.30	0.10	12.8180
1.700	1.49843	2.545455	11.00	13.30	0.10	12.7371
1.900	1.67472	2.727273	11.00	13.00	0.05	12.7356
2.000	1.76286	2.818182	11.30	13.00	0.05	12.7327
2.100	1.85100	2.909091	11.00	13.30	0.10	12.7700
2.500	2.20358	3.272727	11.50	13.00	0.05	12.9423
3.000	2.64429	3.727273	12.20	13.50	0.05	13.3759
4.000	3.52572	4.636364	12.80	15.00	0.05	14.5262
5.000	4.40715	5.545455	14.40	16.50	0.10	16.2736
6.000	5.28858	6.454545	16.40	18.80	0.10	18.5930
7.000	6.17001	7.363636	18.00	24.00	0.25	22.1828
7.500	6.61073	7.818182	21.00	25.20	0.20	24.7573
8.000	7.05144	8.272727	22.00	32.00	0.25	28.1373
9.000	7.93287	9.181818	29.00	44.00	0.75	40.1557

B.3.2.1.2 1” Water Reflection

Case ID: u5o2-icyl-0060-01

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Cylinder

Isotopics: 6% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

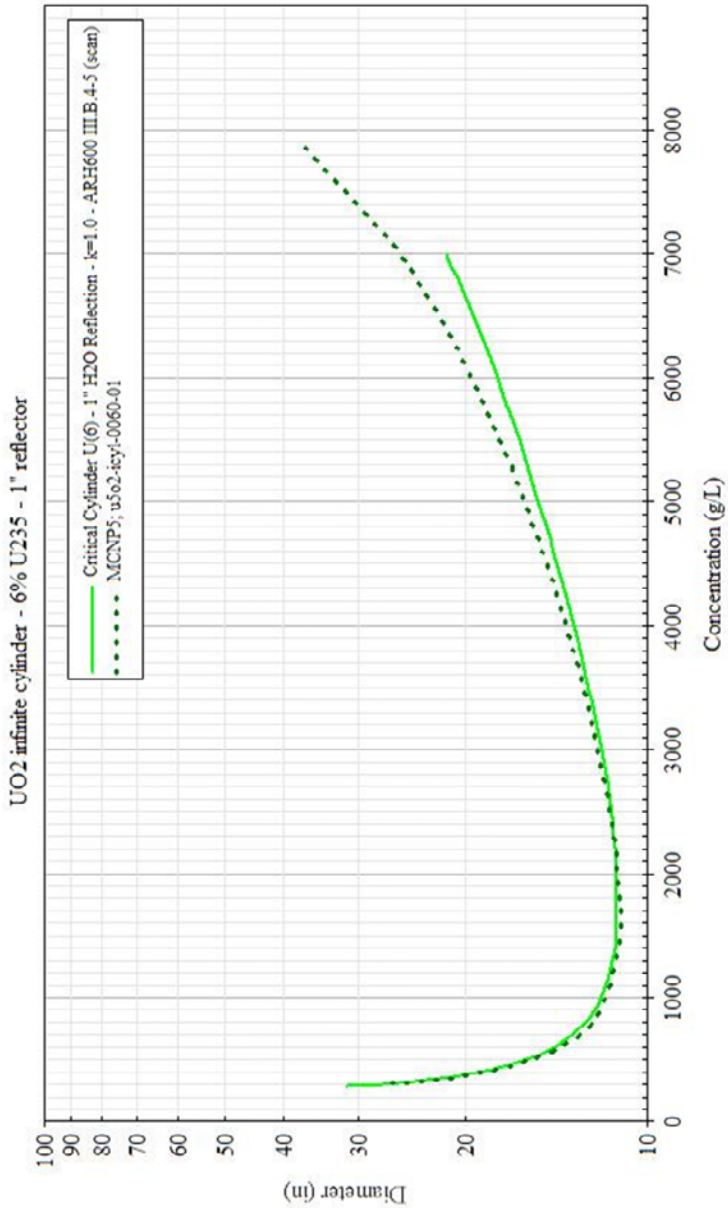

Figure B.3.2.1.2-1. UO_2 Cylinder - 6% ^{235}U – 1" Water Reflection

Table B.3.2.1.2-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 1" Water Reflection

6% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	19.00	30.00	0.50	26.3879
0.400	0.35257	1.363636	17.20	21.60	0.20	21.2741
0.500	0.44072	1.454545	13.00	20.00	0.25	16.8952
0.650	0.57293	1.590909	12.30	14.30	0.10	14.1626
0.800	0.70514	1.727273	11.00	13.10	0.10	12.8960
0.900	0.79329	1.818182	11.00	12.40	0.05	12.3610
1.000	0.88143	1.909091	10.40	12.20	0.05	12.0013
1.200	1.05772	2.090909	10.00	12.00	0.10	11.5235
1.500	1.32215	2.363636	9.80	11.60	0.05	11.1866
1.700	1.49843	2.545455	9.60	11.30	0.05	11.0601
1.900	1.67472	2.727273	9.70	11.50	0.05	11.0529
2.000	1.76286	2.818182	9.60	11.30	0.05	11.0538
2.100	1.85100	2.909091	9.70	11.40	0.05	11.0959
2.500	2.20358	3.272727	9.80	12.00	0.10	11.2429
3.000	2.64429	3.727273	10.00	12.10	0.10	11.6178
4.000	3.52572	4.636364	11.00	13.30	0.10	12.6959
5.000	4.40715	5.545455	12.00	14.50	0.10	14.3194
6.000	5.28858	6.454545	14.40	16.80	0.10	16.6712
7.000	6.17001	7.363636	16.00	22.00	0.25	20.1495
7.500	6.61073	7.818182	18.00	24.00	0.25	22.6885
8.000	7.05144	8.272727	20.00	27.00	0.25	25.9105
9.000	7.93287	9.181818	27.50	38.50	0.50	37.7955

B.3.2.1.3 10” Water Reflection

Case ID: u5o2-icyl-0060-10

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Cylinder

Isotopics: 6% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

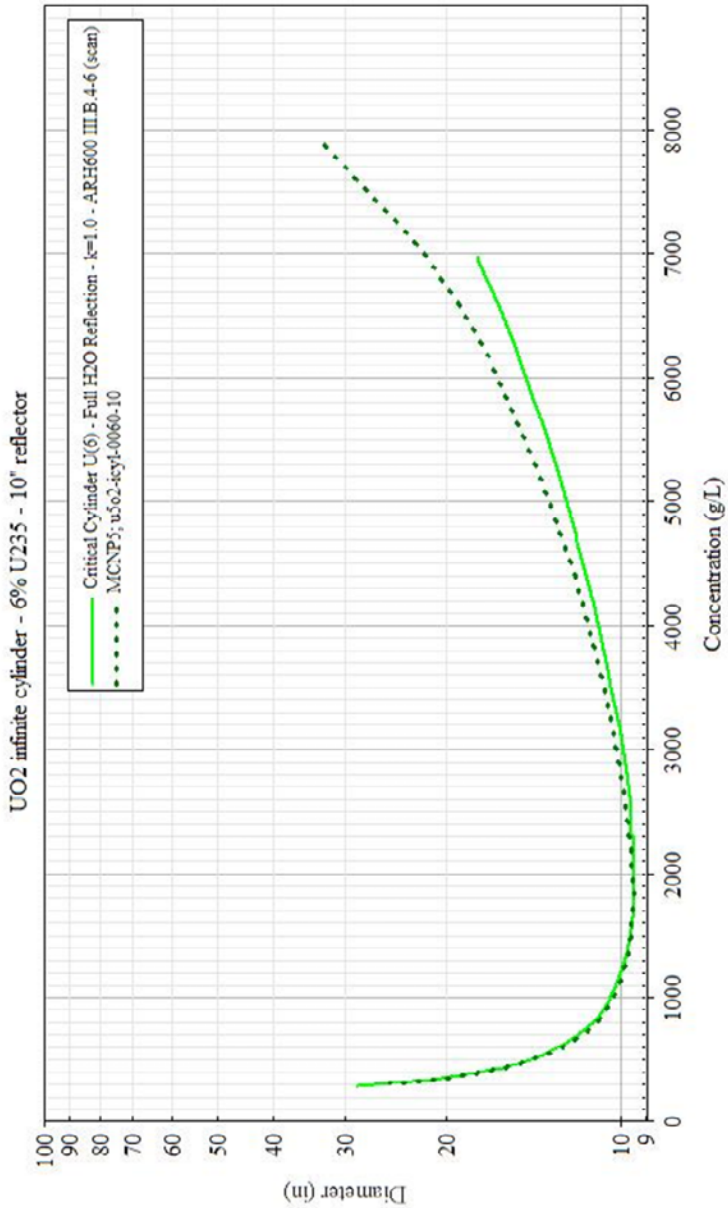

Figure B.3.2.1.3-1. UO_2 Cylinder - 6% ^{235}U – 10" Water Reflection

Table B.3.2.1.3-1. Critical Dimensions for UO_2 Cylinder - 6% ^{235}U – 10" Water Reflection

6% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	19.00	25.50	0.25	25.1782
0.400	0.35257	1.363636	16.00	21.00	0.20	20.0770
0.500	0.44072	1.454545	12.00	17.00	0.20	15.6583
0.650	0.57293	1.590909	11.00	13.00	0.10	12.9073
0.800	0.70514	1.727273	9.80	12.20	0.10	11.5849
0.900	0.79329	1.818182	9.50	12.50	0.10	11.0469
1.000	0.88143	1.909091	9.00	11.00	0.05	10.6326
1.200	1.05772	2.090909	8.80	10.20	0.05	10.1185
1.500	1.32215	2.363636	8.00	10.10	0.05	9.6713
1.700	1.49843	2.545455	8.00	9.70	0.05	9.5566
1.900	1.67472	2.727273	8.00	10.00	0.05	9.4958
2.000	1.76286	2.818182	8.00	9.50	0.05	9.4646
2.100	1.85100	2.909091	8.00	10.00	0.05	9.4730
2.500	2.20358	3.272727	8.00	11.00	0.10	9.5457
3.000	2.64429	3.727273	8.40	10.30	0.05	9.7815
4.000	3.52572	4.636364	9.00	11.20	0.10	10.6323
5.000	4.40715	5.545455	10.20	12.20	0.10	11.9456
6.000	5.28858	6.454545	11.00	15.00	0.20	13.8894
7.000	6.17001	7.363636	13.00	17.20	0.20	16.9262
7.500	6.61073	7.818182	15.00	21.00	0.25	19.0853
8.000	7.05144	8.272727	16.00	23.00	0.25	22.1540
9.000	7.93287	9.181818	20.00	35.00	0.50	33.1194

B.3.2.2 5% ^{235}U

B.3.2.2.1 0” Water Reflection

Case ID: u5o2-icyl-0050-00

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Cylinder

Isotopics: 5% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

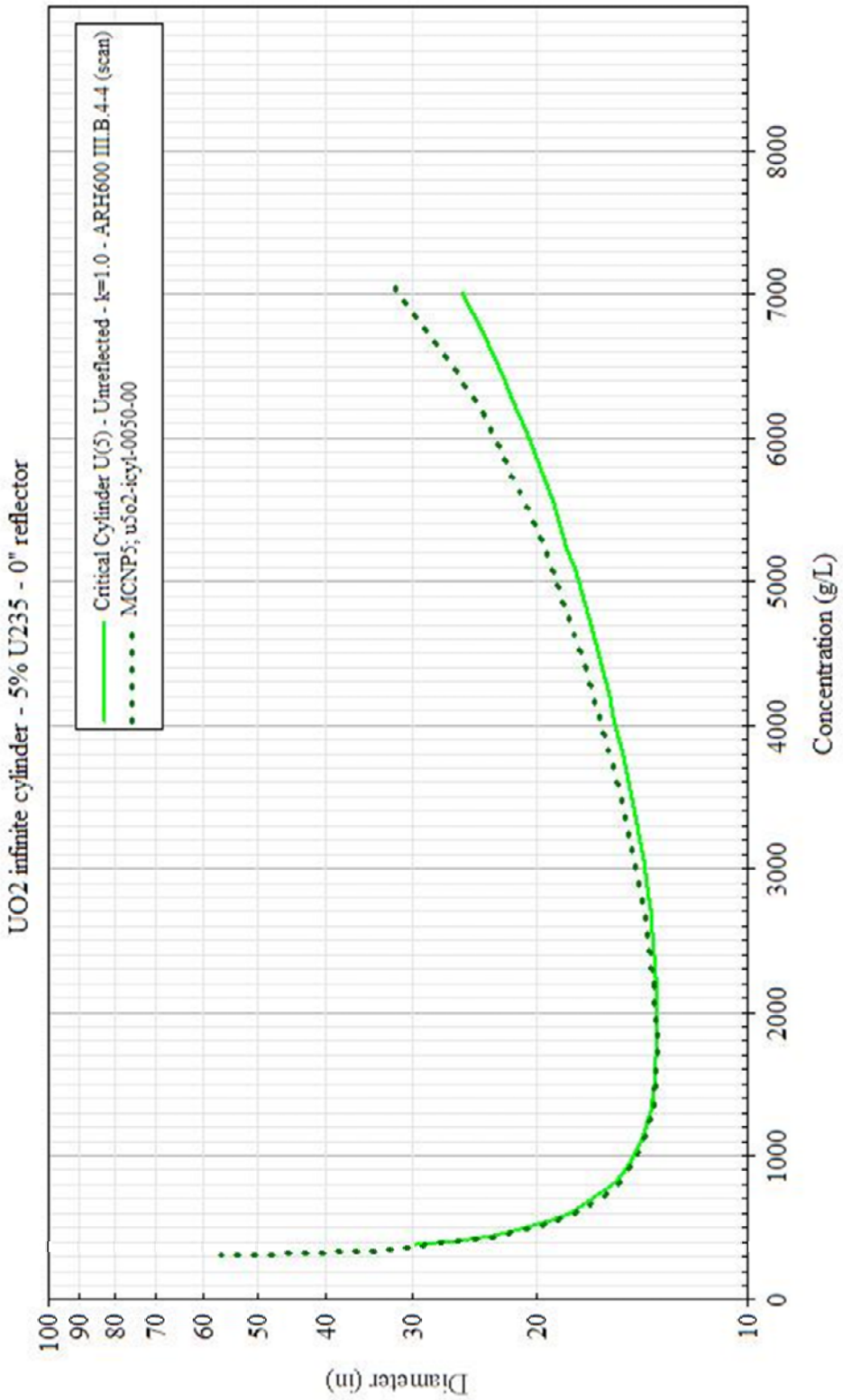

Figure B.3.2.2.1-1. UO_2 Cylinder - 5% ^{235}U – 0" Water Reflection

Table B.3.2.2.1-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 0" Water Reflection

5% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	31.00	58.00	1.00	56.7253
0.400	0.35258	1.363636	24.00	34.00	0.50	33.0123
0.500	0.44072	1.454545	17.00	25.00	0.25	22.7085
0.650	0.57294	1.590909	15.50	18.60	0.10	18.0409
0.800	0.70515	1.727273	14.20	16.30	0.10	16.1135
0.900	0.79330	1.818182	13.50	15.50	0.10	15.3550
1.000	0.88144	1.909091	13.00	16.00	0.10	14.8112
1.200	1.05773	2.090909	12.50	15.50	0.10	14.0939
1.500	1.32216	2.363636	12.00	14.00	0.05	13.5898
1.700	1.49845	2.545455	11.90	14.00	0.10	13.4616
1.900	1.67474	2.727273	11.80	14.00	0.10	13.4013
2.000	1.76288	2.818182	11.80	14.00	0.10	13.3882
2.100	1.85102	2.909091	11.80	14.20	0.10	13.3826
2.500	2.20360	3.272727	12.00	14.00	0.10	13.5462
3.000	2.64432	3.727273	12.00	14.10	0.05	13.8910
4.000	3.52576	4.636364	13.50	15.20	0.10	15.0804
5.000	4.40720	5.545455	14.00	19.00	0.20	16.9355
6.000	5.28864	6.454545	16.00	21.00	0.20	19.5741
7.000	6.17008	7.363636	19.00	26.00	0.25	23.8187
7.500	6.61080	7.818182	21.00	30.00	0.25	27.2439
8.000	7.05152	8.272727	25.50	32.50	0.25	31.8758

B.3.2.2.2 1” Water Reflection

Case ID: u5o2-icyl-0050-01

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Cylinder

Isotopics: 5% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

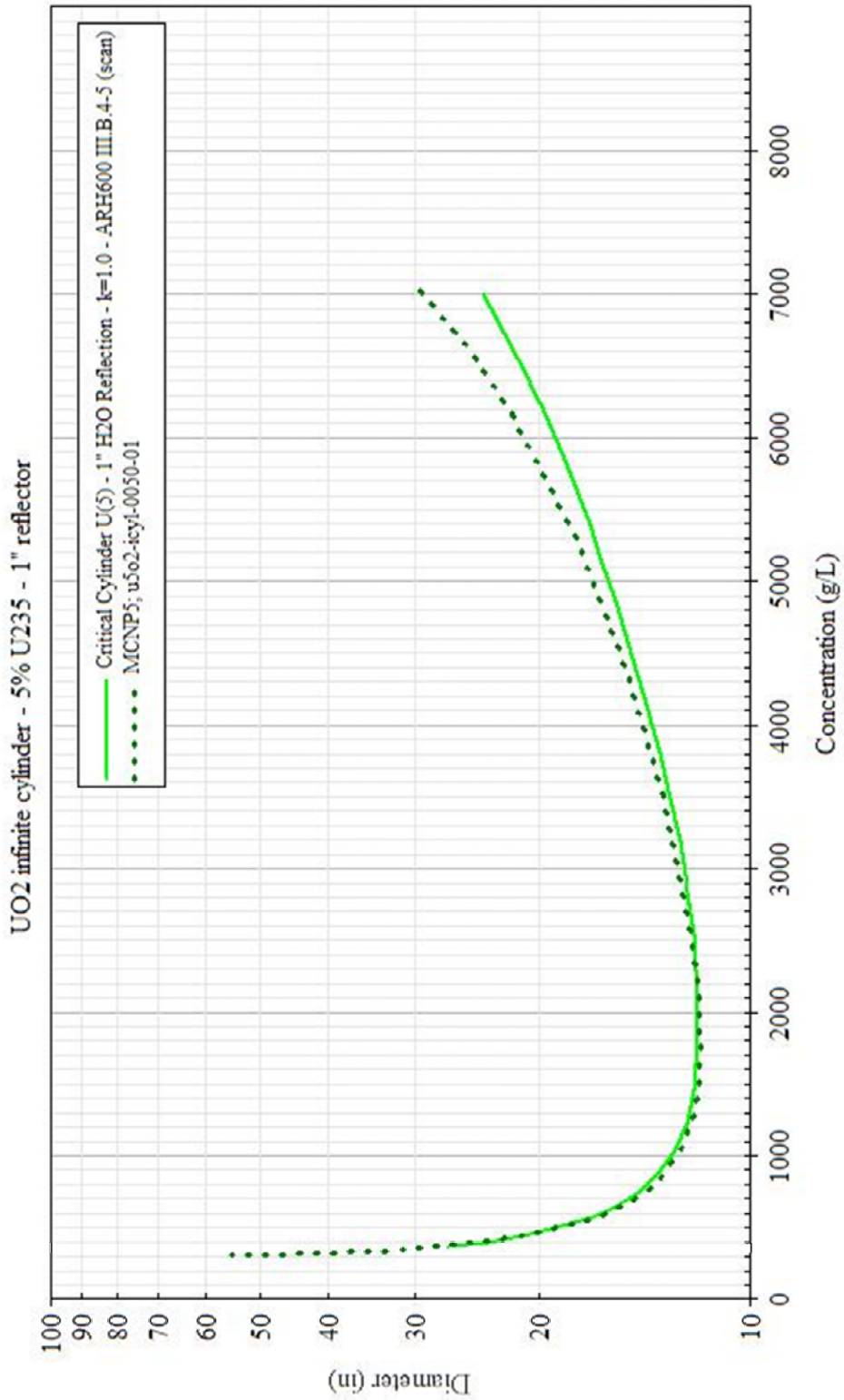

Figure B.3.2.2.2-1. UO_2 Cylinder - 5% ^{235}U – 1" Water Reflection

Table B.3.2.2.2-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 1" Water Reflection

5% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	28.00	58.00	1.00	54.9333
0.400	0.35258	1.363636	22.00	32.00	0.50	31.4346
0.500	0.44072	1.454545	16.00	22.00	0.25	21.2194
0.650	0.57294	1.590909	14.00	17.00	0.10	16.5110
0.800	0.70515	1.727273	12.00	15.00	0.10	14.5248
0.900	0.79330	1.818182	11.50	14.00	0.10	13.7334
1.000	0.88144	1.909091	11.00	13.40	0.10	13.1940
1.200	1.05773	2.090909	11.00	12.60	0.05	12.4831
1.500	1.32216	2.363636	10.40	12.40	0.10	11.9594
1.700	1.49845	2.545455	10.00	12.20	0.10	11.8109
1.900	1.67474	2.727273	10.00	12.20	0.10	11.7348
2.000	1.76288	2.818182	10.00	12.20	0.10	11.7260
2.100	1.85102	2.909091	10.00	12.20	0.10	11.7261
2.500	2.20360	3.272727	10.00	12.30	0.10	11.8057
3.000	2.64432	3.727273	10.70	13.00	0.10	12.1851
4.000	3.52576	4.636364	11.60	13.40	0.05	13.2789
5.000	4.40720	5.545455	13.00	15.20	0.10	15.0138
6.000	5.28864	6.454545	14.00	18.00	0.20	17.6025
7.000	6.17008	7.363636	17.00	23.00	0.25	21.8076
7.500	6.61080	7.818182	19.00	26.00	0.25	24.9855
8.000	7.05152	8.272727	20.00	34.00	0.50	29.8048

B.3.2.2.3 10” Water Reflection

Case ID: u5o2-icyl-0050-10

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Cylinder

Isotopics: 5% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

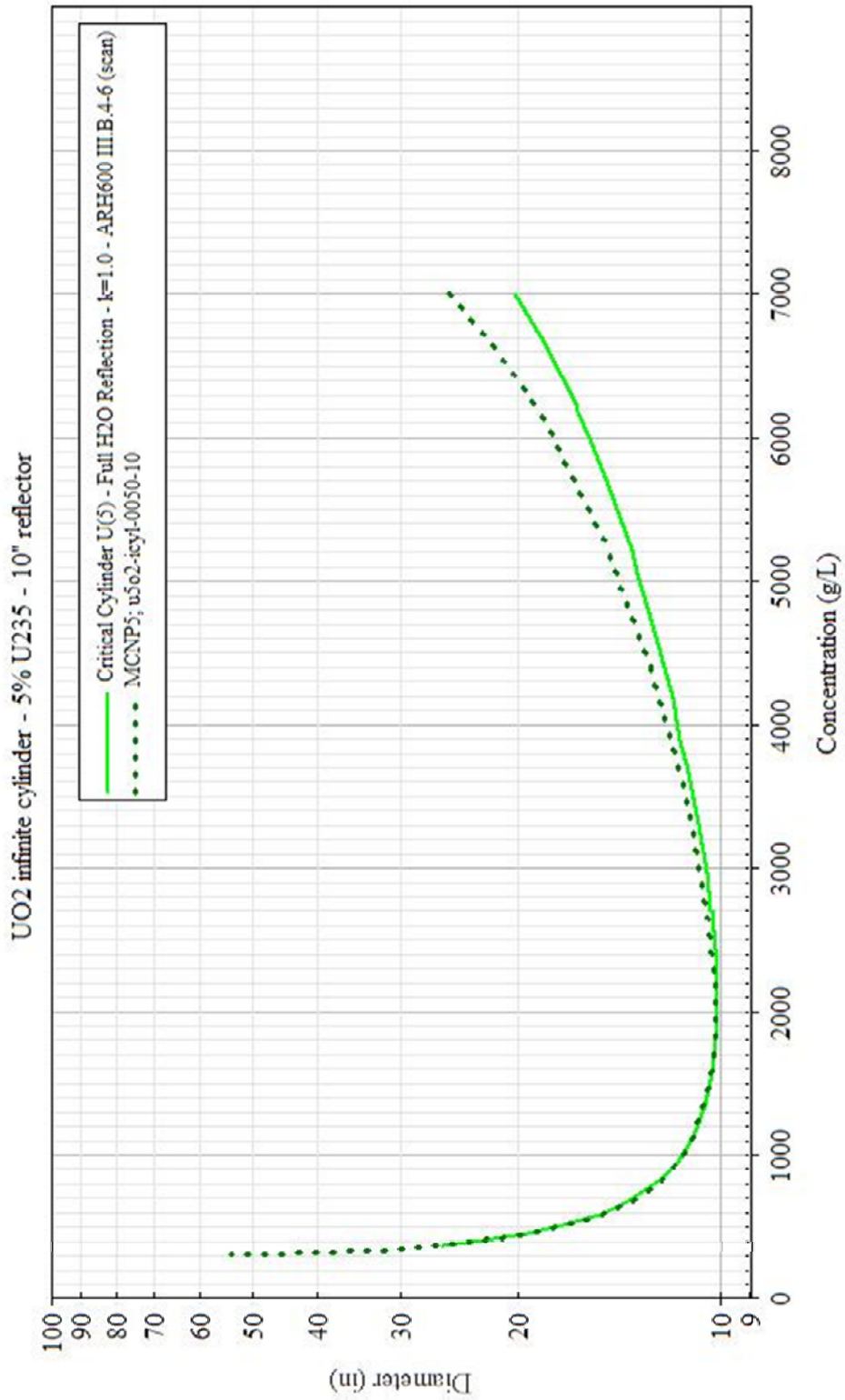

Figure B.3.2.2.3-1. UO_2 Cylinder - 5% ^{235}U – 10" Water Reflection

Table B.3.2.2.3-1. Critical Dimensions for UO_2 Cylinder - 5% ^{235}U – 10" Water Reflection

5% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	20.00	60.00	2.00	53.8261
0.400	0.35258	1.363636	21.00	31.00	0.50	30.2703
0.500	0.44072	1.454545	15.00	21.00	0.25	19.9705
0.650	0.57294	1.590909	12.70	15.40	0.10	15.2478
0.800	0.70515	1.727273	11.00	14.00	0.10	13.2299
0.900	0.79330	1.818182	10.70	13.00	0.10	12.4516
1.000	0.88144	1.909091	10.00	12.20	0.10	11.8629
1.200	1.05773	2.090909	9.00	11.20	0.10	11.1035
1.500	1.32216	2.363636	8.90	11.00	0.10	10.5279
1.700	1.49845	2.545455	8.80	11.00	0.05	10.3062
1.900	1.67474	2.727273	8.60	10.50	0.10	10.1807
2.000	1.76288	2.818182	8.70	10.50	0.05	10.1193
2.100	1.85102	2.909091	8.60	10.30	0.05	10.1459
2.500	2.20360	3.272727	8.60	11.00	0.10	10.1758
3.000	2.64432	3.727273	8.80	11.00	0.10	10.3895
4.000	3.52576	4.636364	9.00	12.00	0.10	11.2303
5.000	4.40720	5.545455	10.00	13.00	0.10	12.6891
6.000	5.28864	6.454545	11.90	16.10	0.20	14.8549
7.000	6.17008	7.363636	14.00	20.00	0.25	18.4943
7.500	6.61080	7.818182	15.00	23.00	0.25	21.4672
8.000	7.05152	8.272727	18.00	28.00	0.25	25.7820

B.3.2.3 4% ^{235}U

B.3.2.3.1 0” Water Reflection

Case ID: u5o2-icyl-0040-00

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Cylinder

Isotopics: 4% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

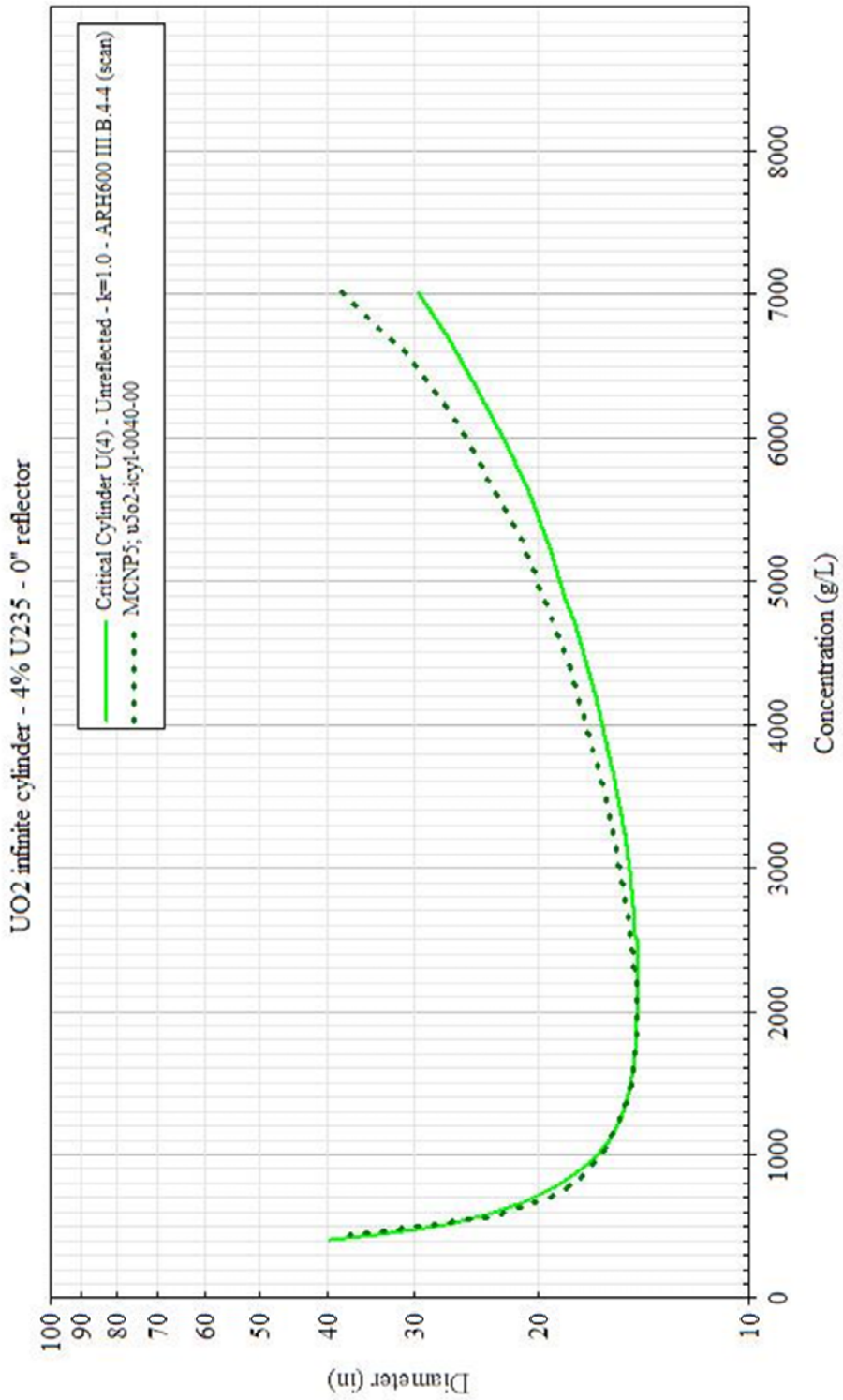

Figure B.3.2.3.1-1. UO_2 Cylinder - 4% ^{235}U – 0" Water Reflection

Table B.3.2.3.1-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 0" Water Reflection

4% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	24.00	41.00	0.75	37.2381
0.650	0.57294	1.590909	19.00	26.00	0.20	23.2337
0.800	0.70516	1.727273	16.00	20.10	0.20	19.3010
0.900	0.79331	1.818182	15.40	18.10	0.10	17.9226
1.000	0.88145	1.909091	14.00	18.00	0.20	16.9941
1.200	1.05774	2.090909	14.00	16.00	0.10	15.8326
1.500	1.32218	2.363636	13.00	16.00	0.10	14.9706
1.700	1.49847	2.545455	12.70	15.00	0.10	14.6395
1.900	1.67476	2.727273	12.70	15.00	0.10	14.5038
2.000	1.76290	2.818182	12.70	15.30	0.10	14.4481
2.100	1.85105	2.909091	12.60	16.00	0.20	14.4192
2.500	2.20363	3.272727	12.70	15.00	0.10	14.4574
3.000	2.64435	3.727273	13.30	15.00	0.10	14.7753
4.000	3.52580	4.636364	14.00	16.20	0.10	16.0039
5.000	4.40725	5.545455	15.80	18.20	0.10	17.9325
6.000	5.28870	6.454545	17.00	23.00	0.25	20.9986
7.000	6.17015	7.363636	20.00	28.00	0.25	26.3815
7.500	6.61088	7.818182	23.00	37.00	0.50	31.0692
8.000	7.05160	8.272727	27.00	42.00	0.50	38.6551

B.3.2.3.2 1” Water Reflection

Case ID: u5o2-icyl-0040-01

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Cylinder

Isotopics: 4% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

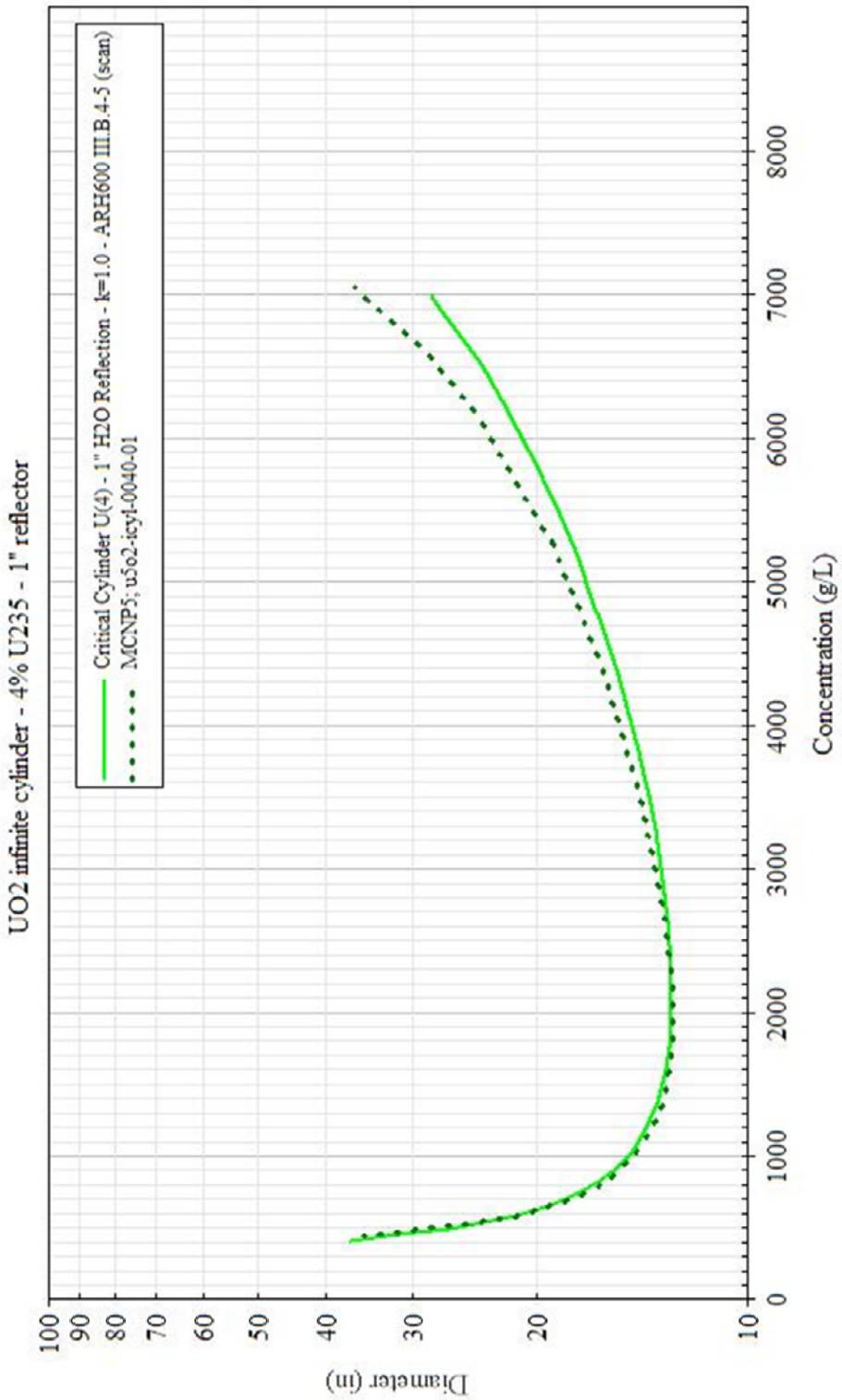

Figure B.3.2.3.2-1. UO_2 Cylinder - 4% ^{235}U – 1" Water Reflection

Table B.3.2.3.2-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 1" Water Reflection

4% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	24.00	36.50	0.50	35.4145
0.650	0.57294	1.590909	17.40	22.00	0.20	21.6661
0.800	0.70516	1.727273	14.80	18.00	0.10	17.7137
0.900	0.79331	1.818182	13.90	17.00	0.10	16.3250
1.000	0.88145	1.909091	12.90	16.00	0.10	15.3883
1.200	1.05774	2.090909	12.00	15.00	0.10	14.1896
1.500	1.32218	2.363636	11.70	13.50	0.10	13.2955
1.700	1.49847	2.545455	11.00	13.10	0.10	12.9757
1.900	1.67476	2.727273	11.00	13.00	0.10	12.8251
2.000	1.76290	2.818182	11.00	14.00	0.10	12.7664
2.100	1.85105	2.909091	11.00	13.20	0.10	12.7074
2.500	2.20363	3.272727	11.00	13.20	0.10	12.7335
3.000	2.64435	3.727273	11.00	13.50	0.10	13.0444
4.000	3.52580	4.636364	12.00	14.20	0.10	14.1827
5.000	4.40725	5.545455	13.00	17.00	0.20	16.0434
6.000	5.28870	6.454545	15.00	21.00	0.20	19.0444
7.000	6.17015	7.363636	18.00	28.00	0.25	24.3178
7.500	6.61088	7.818182	20.00	35.00	0.50	28.8072
8.000	7.05160	8.272727	24.00	37.00	0.50	36.3839

B.3.2.3.3 10” Water Reflection

Case ID: u5o2-icyl-0040-10

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Cylinder

Isotopics: 4% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

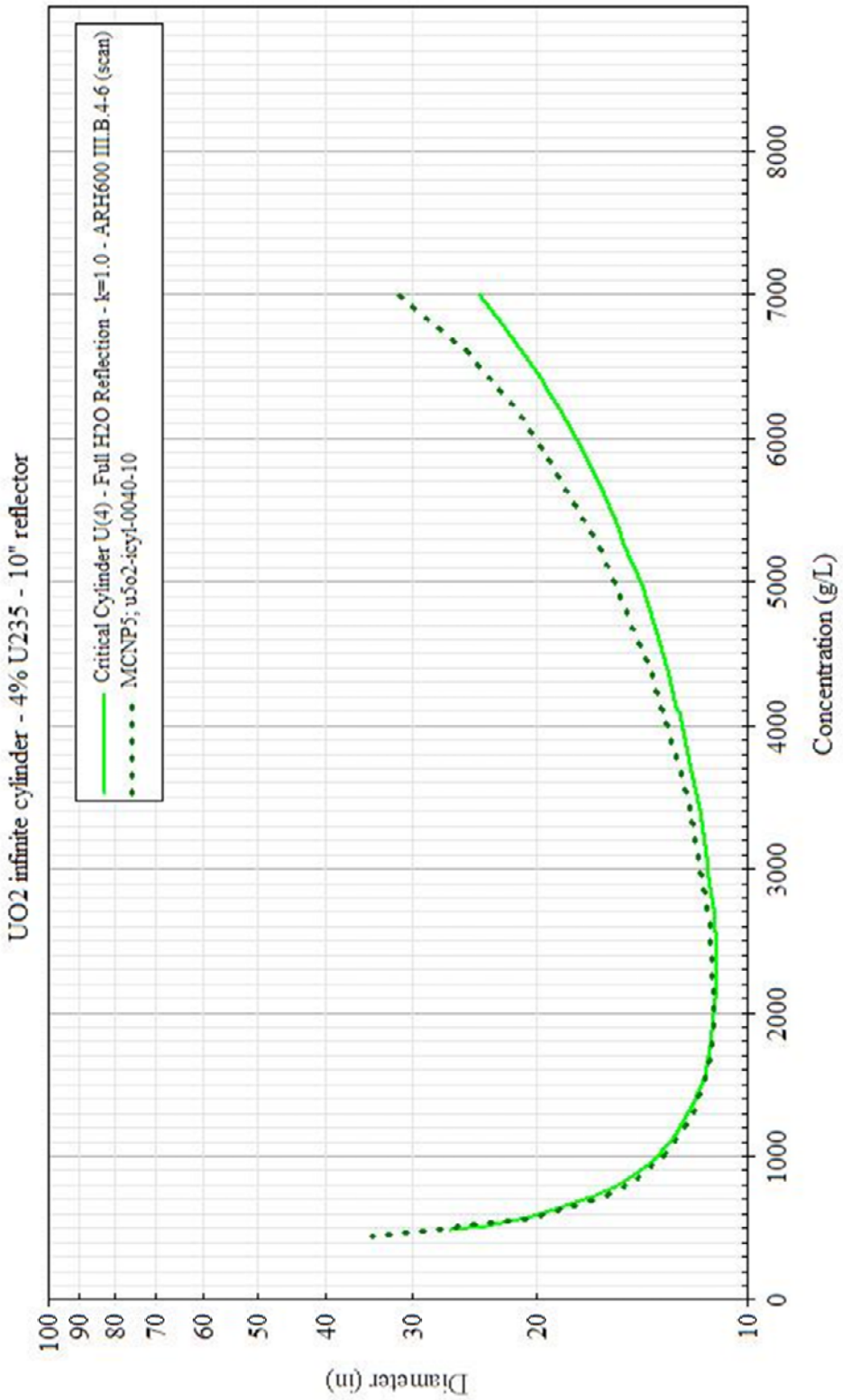

Figure B.3.2.3.3-1. UO_2 Cylinder - 4% ^{235}U – 10" Water Reflection

Table B.3.2.3.3-1. Critical Dimensions for UO_2 Cylinder - 4% ^{235}U – 10" Water Reflection

4% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	23.00	35.00	0.50	34.3725
0.650	0.57294	1.590909	16.00	21.00	0.25	20.3882
0.800	0.70516	1.727273	13.40	16.80	0.20	16.4398
0.900	0.79331	1.818182	12.60	15.30	0.10	15.0035
1.000	0.88145	1.909091	11.00	15.00	0.20	14.0547
1.200	1.05774	2.090909	10.00	13.00	0.10	12.8266
1.500	1.32218	2.363636	9.90	12.30	0.10	11.8618
1.700	1.49847	2.545455	9.70	12.00	0.10	11.5270
1.900	1.67476	2.727273	9.60	12.00	0.10	11.3100
2.000	1.76290	2.818182	9.00	11.50	0.10	11.2253
2.100	1.85105	2.909091	9.50	11.50	0.10	11.1631
2.500	2.20363	3.272727	9.00	11.50	0.10	11.1282
3.000	2.64435	3.727273	9.00	11.50	0.10	11.2501
4.000	3.52580	4.636364	10.00	13.00	0.10	12.1282
5.000	4.40725	5.545455	11.00	14.00	0.10	13.7179
6.000	5.28870	6.454545	13.00	17.00	0.20	16.3490
7.000	6.17015	7.363636	15.00	22.00	0.25	21.0555
7.500	6.61088	7.818182	18.00	27.00	0.25	25.1855
8.000	7.05160	8.272727	20.00	35.00	0.50	32.3782

B.3.2.4 3% ^{235}U

B.3.2.4.1 0” Water Reflection

Case ID: u5o2-icyl-0030-00

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Cylinder

Isotopics: 3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

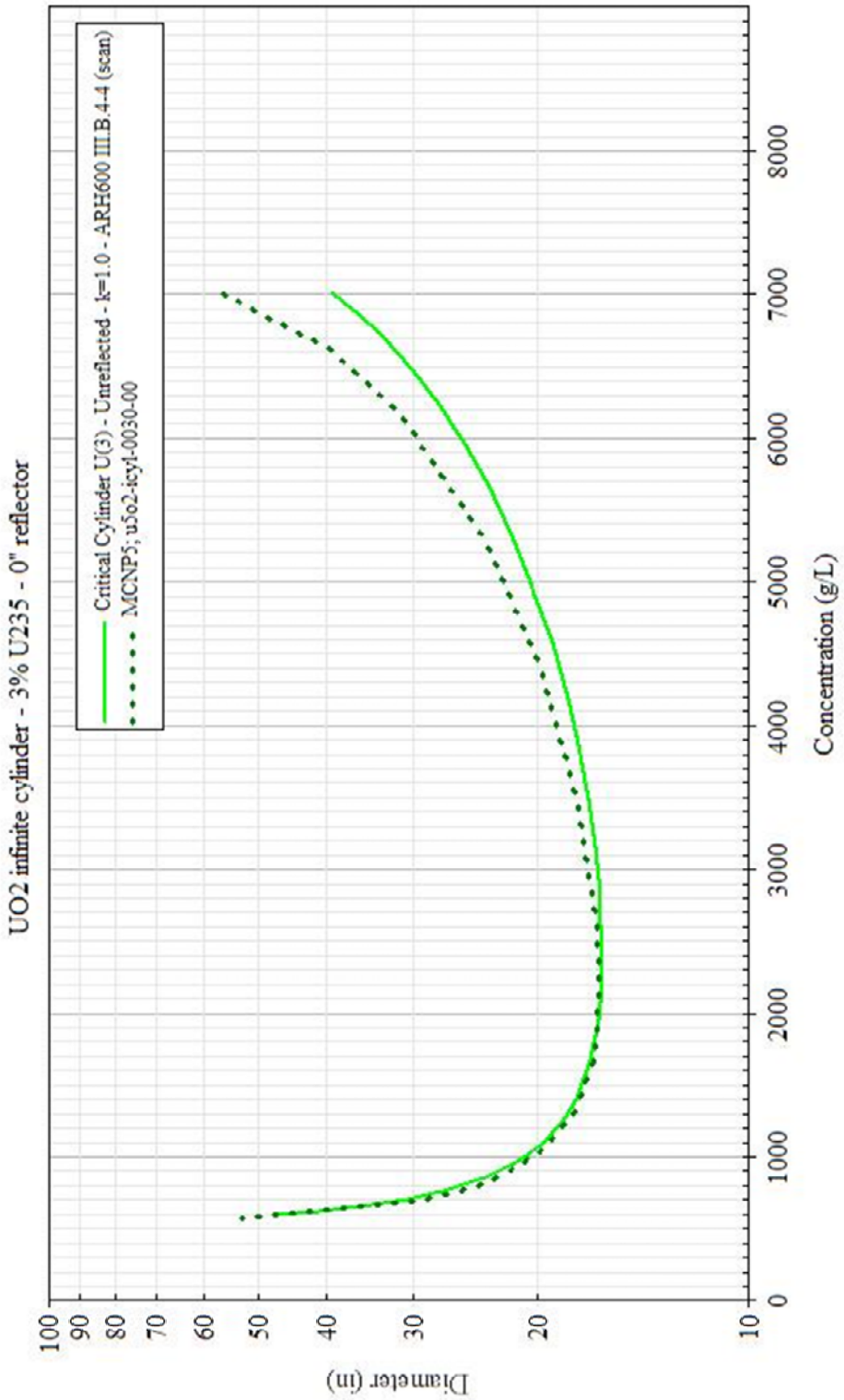

Figure B.3.2.4.1-1. UO_2 Cylinder - 3% ^{235}U – 0" Water Reflection

Table B.3.2.4.1-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 0" Water Reflection

3% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	30.00	55.00	1.00	52.9064
0.800	0.70518	1.727273	20.00	32.00	0.50	29.1018
0.900	0.79332	1.818182	20.00	25.40	0.20	24.9140
1.000	0.88147	1.909091	17.00	24.00	0.25	22.3975
1.200	1.05776	2.090909	16.00	20.00	0.05	19.5463
1.500	1.32221	2.363636	14.90	19.00	0.20	17.6860
1.700	1.49850	2.545455	14.00	18.00	0.20	17.0869
1.900	1.67479	2.727273	14.00	17.00	0.10	16.6479
2.000	1.76294	2.818182	14.00	17.00	0.10	16.4986
2.100	1.85109	2.909091	14.00	17.00	0.10	16.4264
2.500	2.20368	3.272727	14.00	17.00	0.10	16.2098
3.000	2.64441	3.727273	14.00	18.00	0.20	16.3970
4.000	3.52588	4.636364	15.00	18.20	0.20	17.5878
5.000	4.40735	5.545455	16.80	21.00	0.20	19.7728
6.000	5.28882	6.454545	19.00	25.00	0.25	23.6456
7.000	6.17029	7.363636	23.00	34.00	0.50	31.2612
7.500	6.61103	7.818182	28.00	42.00	0.50	39.0993
8.000	7.05176	8.272727	30.00	70.00	2.00	58.3804

B.3.2.4.2 1” Water Reflection

Case ID: u5o2-icyl-0030-01

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Cylinder

Isotopics: 3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

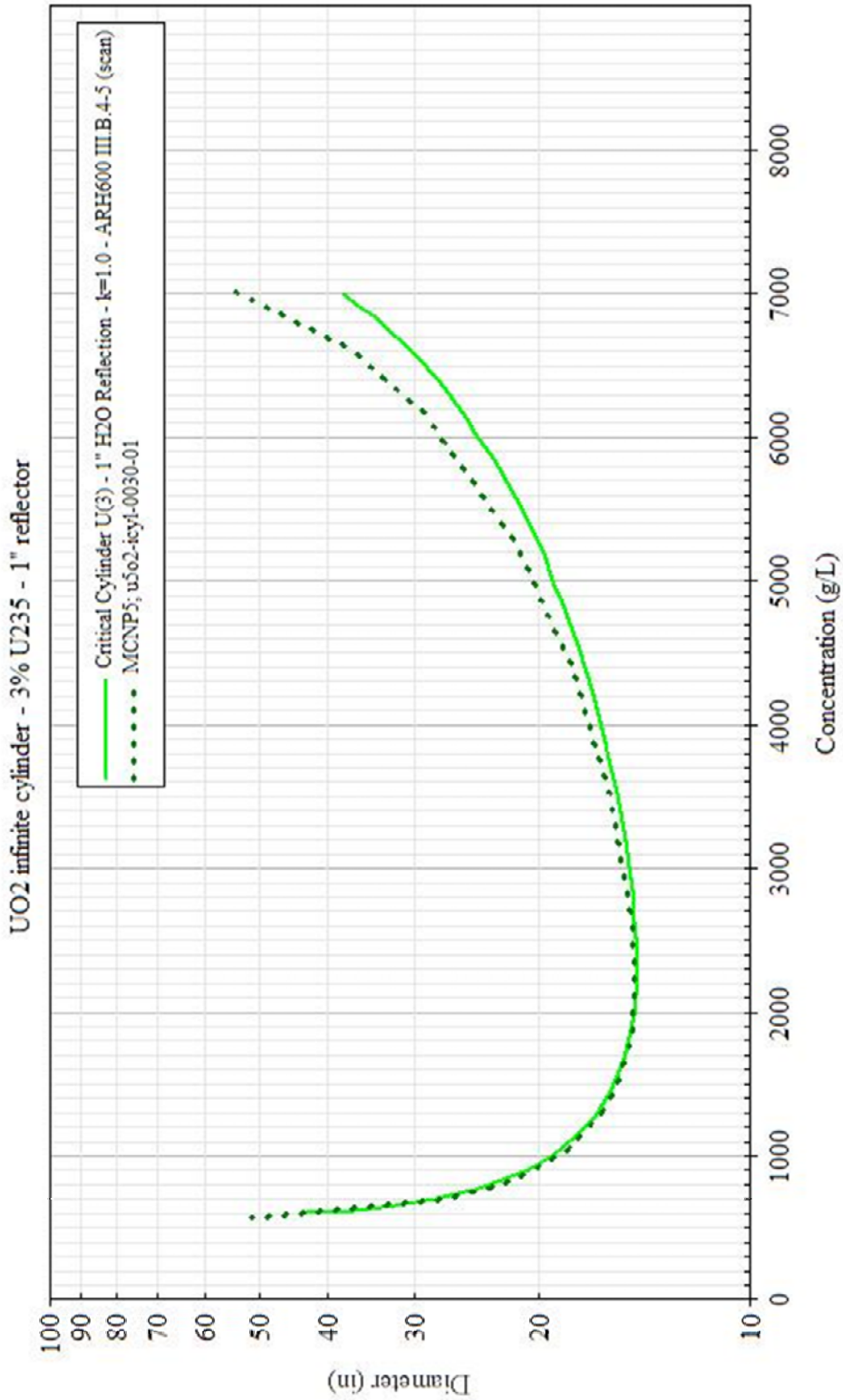

Figure B.3.2.4.2-1. UO_2 Cylinder - 3% ^{235}U – 1" Water Reflection

Table B.3.2.4.2-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 1" Water Reflection

3% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	28.00	54.00	1.00	51.5972
0.800	0.70518	1.727273	20.00	33.00	0.50	27.6453
0.900	0.79332	1.818182	18.00	24.00	0.20	23.2504
1.000	0.88147	1.909091	16.00	22.00	0.25	20.7798
1.200	1.05776	2.090909	14.00	20.00	0.25	18.0264
1.500	1.32221	2.363636	13.70	17.00	0.20	16.1011
1.700	1.49850	2.545455	12.80	16.20	0.20	15.4043
1.900	1.67479	2.727273	12.80	15.20	0.10	15.0171
2.000	1.76294	2.818182	12.00	15.40	0.10	14.8333
2.100	1.85109	2.909091	12.00	15.10	0.10	14.6978
2.500	2.20368	3.272727	12.00	16.00	0.20	14.5154
3.000	2.64441	3.727273	12.00	15.20	0.10	14.6654
4.000	3.52588	4.636364	13.00	17.00	0.20	15.7747
5.000	4.40735	5.545455	14.00	20.00	0.25	17.8996
6.000	5.28882	6.454545	17.00	23.00	0.25	21.6573
7.000	6.17029	7.363636	20.00	31.00	0.50	29.1015
7.500	6.61103	7.818182	26.50	37.50	0.50	36.8669
8.000	7.05176	8.272727	33.00	57.00	1.00	55.6008

B.3.2.4.3 10” Water Reflection

Case ID: u5o2-icyl-0030-10

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Cylinder

Isotopics: 3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

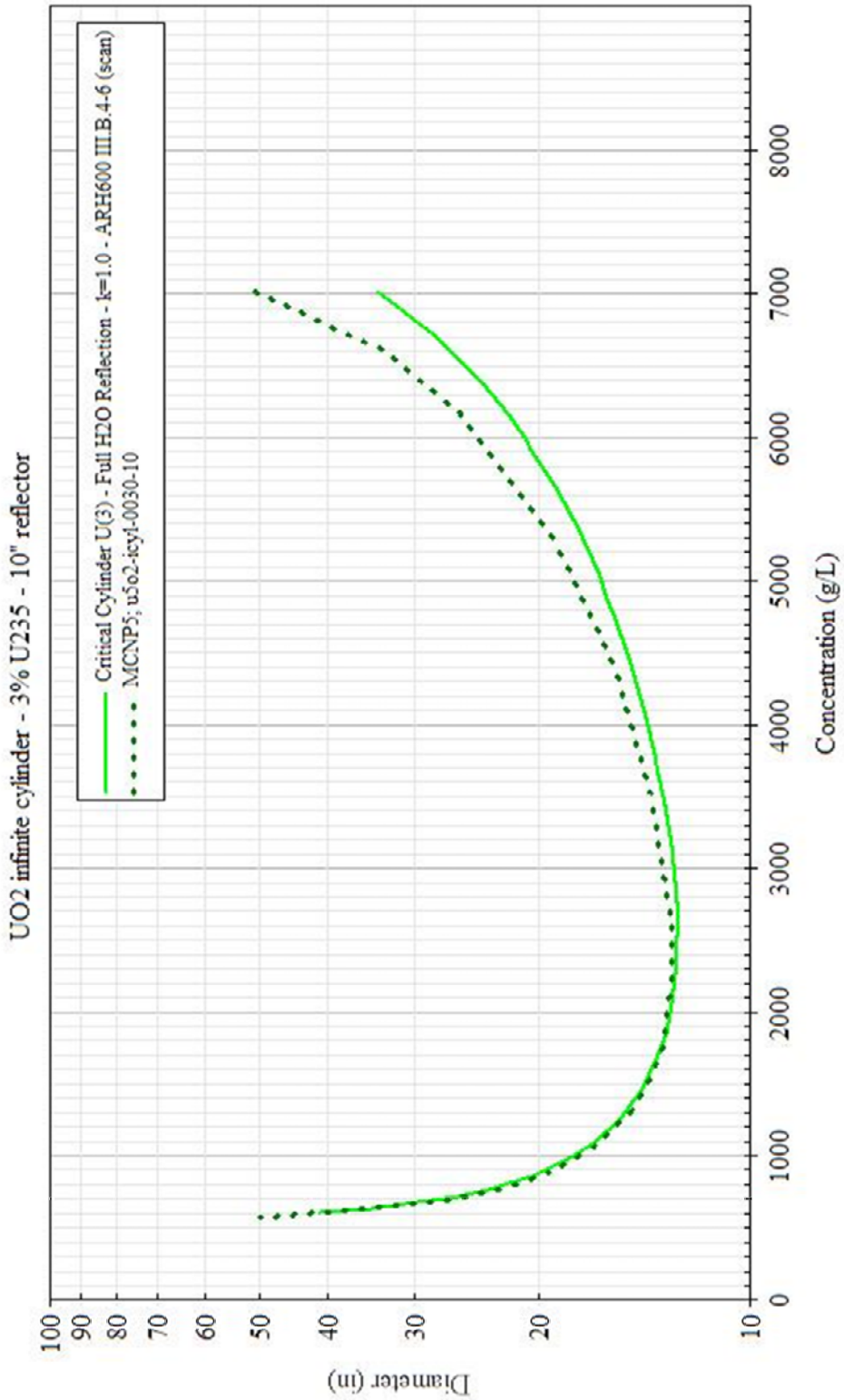

Figure B.3.2.4.3-1. UO_2 Cylinder - 3% ^{235}U – 10" Water Reflection

Table B.3.2.4.3-1. Critical Dimensions for UO_2 Cylinder - 3% ^{235}U – 10" Water Reflection

3% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	27.00	52.00	1.00	50.0936
0.800	0.70518	1.727273	18.00	30.00	0.50	26.3494
0.900	0.79332	1.818182	15.00	22.00	0.25	21.9224
1.000	0.88147	1.909091	14.00	20.00	0.25	19.4493
1.200	1.05776	2.090909	13.80	17.00	0.10	16.6767
1.500	1.32221	2.363636	11.90	16.00	0.20	14.6848
1.700	1.49850	2.545455	11.60	14.30	0.10	13.9467
1.900	1.67479	2.727273	11.00	14.10	0.20	13.4658
2.000	1.76294	2.818182	11.00	14.00	0.10	13.2967
2.100	1.85109	2.909091	10.90	14.00	0.10	13.1733
2.500	2.20368	3.272727	10.70	13.40	0.10	12.9347
3.000	2.64441	3.727273	10.70	14.00	0.20	12.9074
4.000	3.52588	4.636364	11.00	15.20	0.20	13.7708
5.000	4.40735	5.545455	12.00	17.00	0.20	15.5584
6.000	5.28882	6.454545	14.00	20.00	0.25	18.9221
7.000	6.17029	7.363636	19.50	26.00	0.25	25.8861
7.500	6.61103	7.818182	23.00	34.00	0.50	33.2320
8.000	7.05176	8.272727	27.00	60.00	1.00	52.3821

B.3.2.5 2.5% ^{235}U

B.3.2.5.1 0” Water Reflection

Case ID: u5o2-icyl-0025-00

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Cylinder

Isotopics: 2.5% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

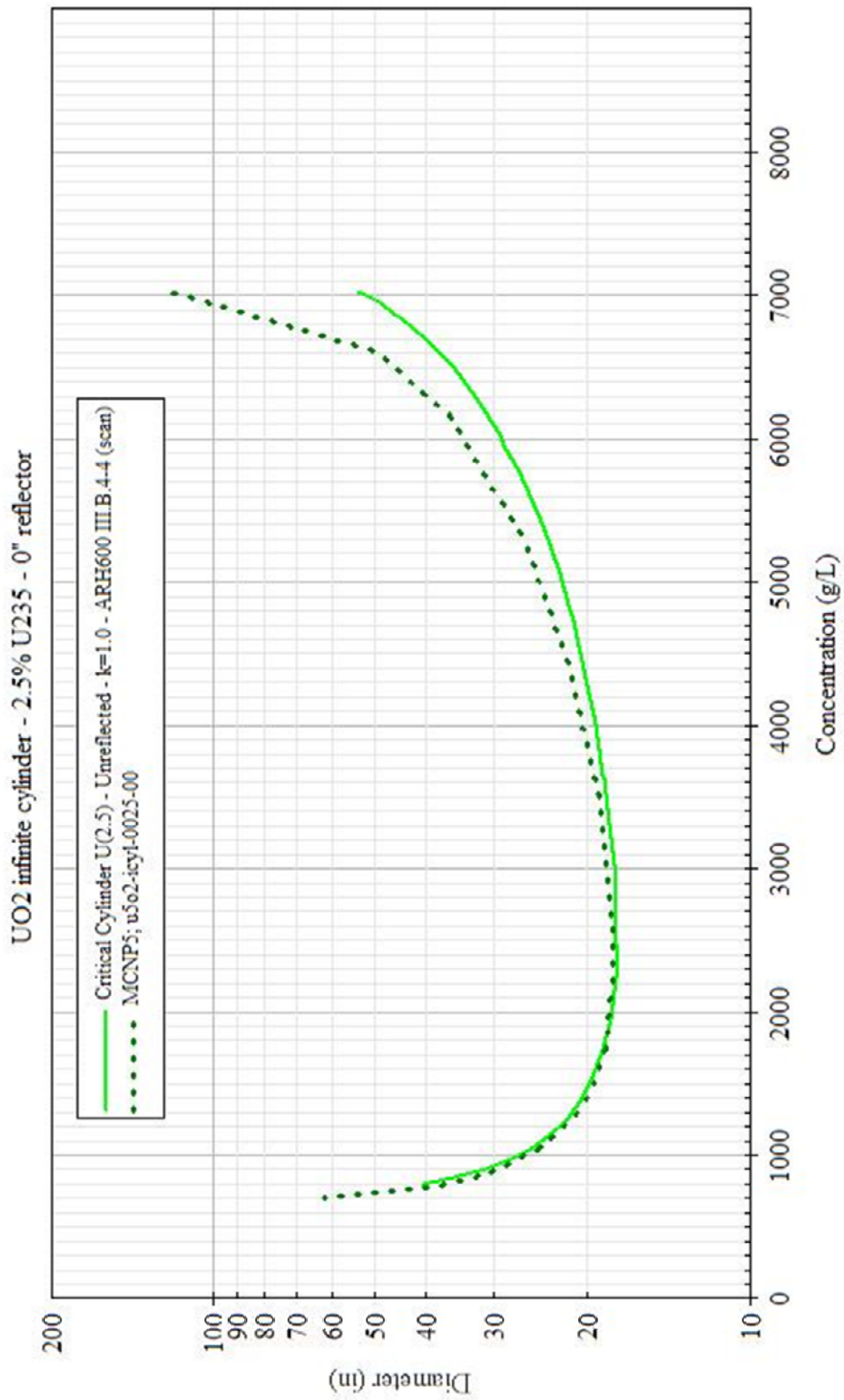

Figure B.3.2.5.1-1. UO_2 Cylinder - 2.5% ^{235}U – 0" Water Reflection

Table B.3.2.5.1-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 0" Water Reflection

2.5% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	32.00	64.00	1.00	62.1846
0.900	0.79332	1.818182	26.00	40.00	0.50	37.9914
1.000	0.88147	1.909091	20.00	34.00	0.50	30.3842
1.200	1.05776	2.090909	19.50	25.00	0.25	24.3774
1.500	1.32221	2.363636	16.00	22.00	0.25	20.7004
1.700	1.49850	2.545455	16.00	20.00	0.20	19.5329
1.900	1.67479	2.727273	15.00	20.00	0.20	18.8099
2.000	1.76294	2.818182	15.00	20.00	0.20	18.5548
2.100	1.85109	2.909091	15.00	19.00	0.20	18.3506
2.500	2.20368	3.272727	15.60	18.00	0.10	17.9214
3.000	2.64441	3.727273	15.00	19.00	0.20	17.9856
4.000	3.52588	4.636364	16.50	19.20	0.10	19.0652
5.000	4.40735	5.545455	18.00	23.00	0.20	21.5048
6.000	5.28882	6.454545	20.00	28.00	0.25	26.0886
7.000	6.17029	7.363636	26.00	40.00	0.50	36.0695
7.500	6.61103	7.818182	30.00	60.00	1.00	49.2865
8.000	7.05176	8.272727	40.00	130.00	5.00	124.0262

B.3.2.5.2 1” Water Reflection

Case ID: u5o2-icyl-0025-01

Material: UO2

Geometry: Cylinder

Weight Fraction U in UO2: 0.88147

Isotopics: 2.5% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

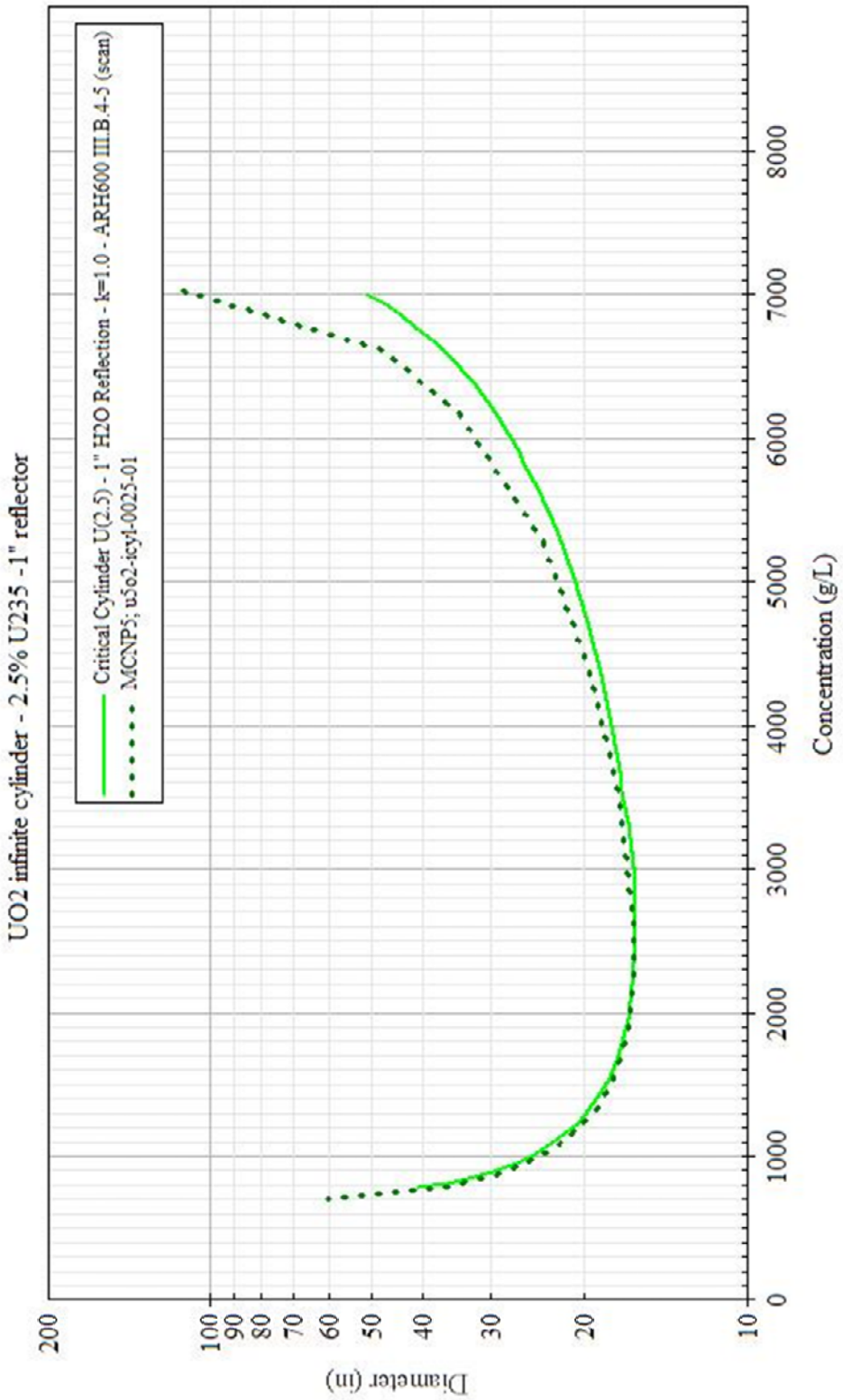

Figure B.3.2.5.2-1. UO_2 Cylinder - 2.5% ^{235}U – 1" Water Reflection

Table B.3.2.5.2-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 1" Water Reflection

2.5% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	20.00	80.00	2.50	60.4880
0.900	0.79332	1.818182	25.00	38.00	0.50	36.3712
1.000	0.88147	1.909091	20.00	31.00	0.50	28.9413
1.200	1.05776	2.090909	18.00	24.00	0.25	22.7697
1.500	1.32221	2.363636	15.00	19.20	0.20	19.1049
1.700	1.49850	2.545455	14.00	18.20	0.20	17.8950
1.900	1.67479	2.727273	14.00	19.00	0.20	17.1670
2.000	1.76294	2.818182	13.90	18.00	0.20	16.9116
2.100	1.85109	2.909091	13.90	17.10	0.20	16.6419
2.500	2.20368	3.272727	13.00	17.00	0.20	16.2086
3.000	2.64441	3.727273	13.00	17.00	0.20	16.2207
4.000	3.52588	4.636364	14.00	18.00	0.20	17.1793
5.000	4.40735	5.545455	16.40	20.00	0.20	19.6077
6.000	5.28882	6.454545	19.00	26.00	0.25	23.9714
7.000	6.17029	7.363636	24.00	37.00	0.50	34.1654
7.500	6.61103	7.818182	30.00	50.00	1.00	47.1135
8.000	7.05176	8.272727	40.00	130.00	5.00	115.8335

B.3.2.5.3 10” Water Reflection

Case ID: u5o2-icyl-0025-10

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Cylinder

Isotopics: 2.5% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

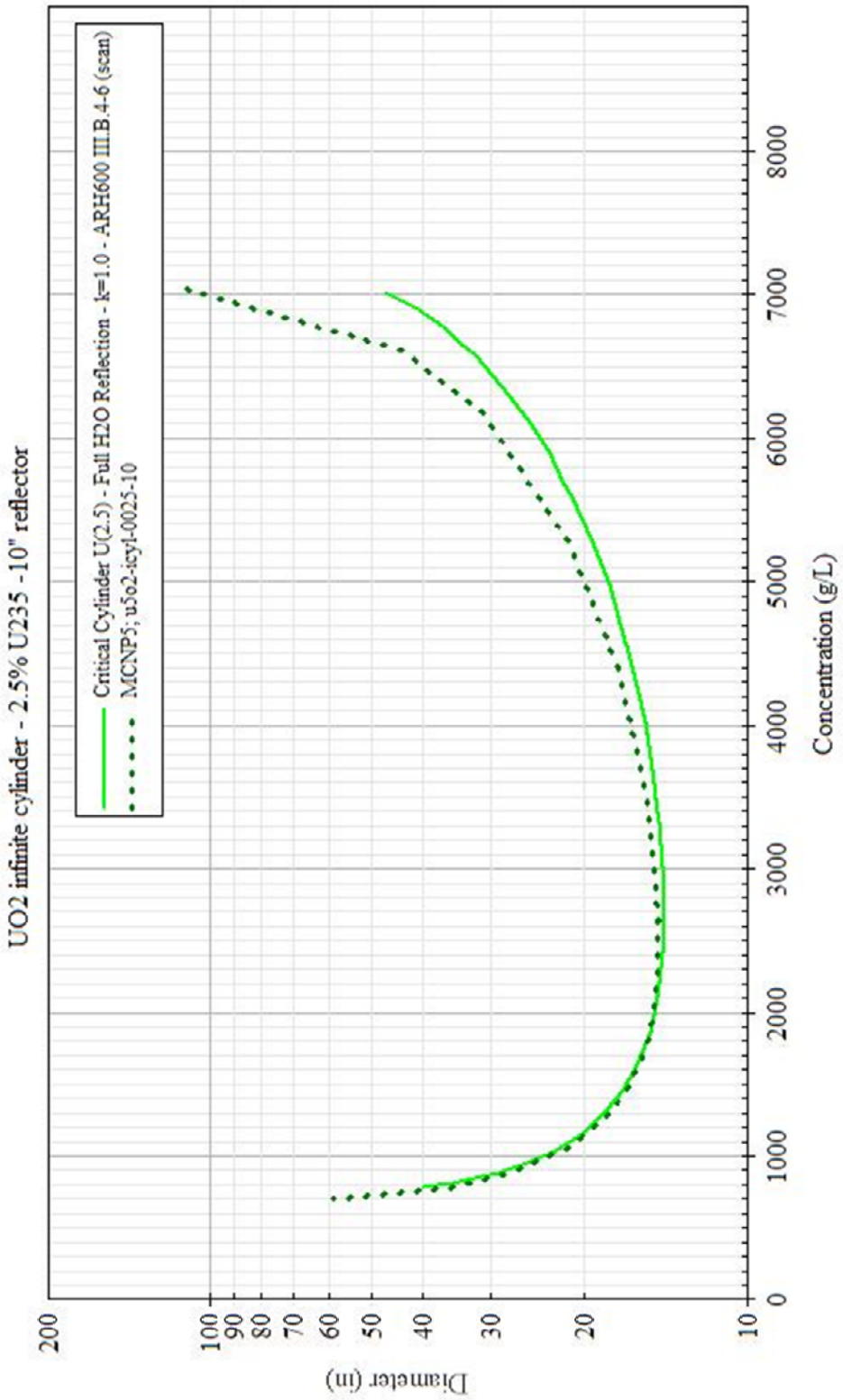

Figure B.3.2.5.3-1. UO_2 Cylinder - 2.5% ^{235}U – 10" Water Reflection

Table B.3.2.5.3-1. Critical Dimensions for UO_2 Cylinder - 2.5% ^{235}U – 10" Water Reflection

2.5% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	20.00	80.00	2.50	58.9273
0.900	0.79332	1.818182	23.00	37.00	0.50	35.1201
1.000	0.88147	1.909091	19.00	30.00	0.50	27.8157
1.200	1.05776	2.090909	16.60	22.00	0.20	21.4068
1.500	1.32221	2.363636	14.00	18.10	0.20	17.6848
1.700	1.49850	2.545455	13.00	17.10	0.20	16.4542
1.900	1.67479	2.727273	12.00	17.00	0.20	15.6989
2.000	1.76294	2.818182	12.00	17.00	0.20	15.4005
2.100	1.85109	2.909091	12.00	16.20	0.20	15.1446
2.500	2.20368	3.272727	11.00	16.00	0.20	14.6302
3.000	2.64441	3.727273	11.80	16.00	0.20	14.5097
4.000	3.52588	4.636364	12.00	17.00	0.20	15.2814
5.000	4.40735	5.545455	13.00	20.00	0.25	17.2902
6.000	5.28882	6.454545	16.00	22.00	0.25	21.3785
7.000	6.17029	7.363636	20.00	35.00	0.50	30.9468
7.500	6.61103	7.818182	25.00	50.00	1.00	43.5465
8.000	7.05176	8.272727	35.00	120.00	2.50	112.1760

B.3.2.6 1.3% ^{235}U

B.3.2.6.1 0” Water Reflection

Case ID: u5o2-icyl-0013-00

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Cylinder

Isotopics: 1.3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

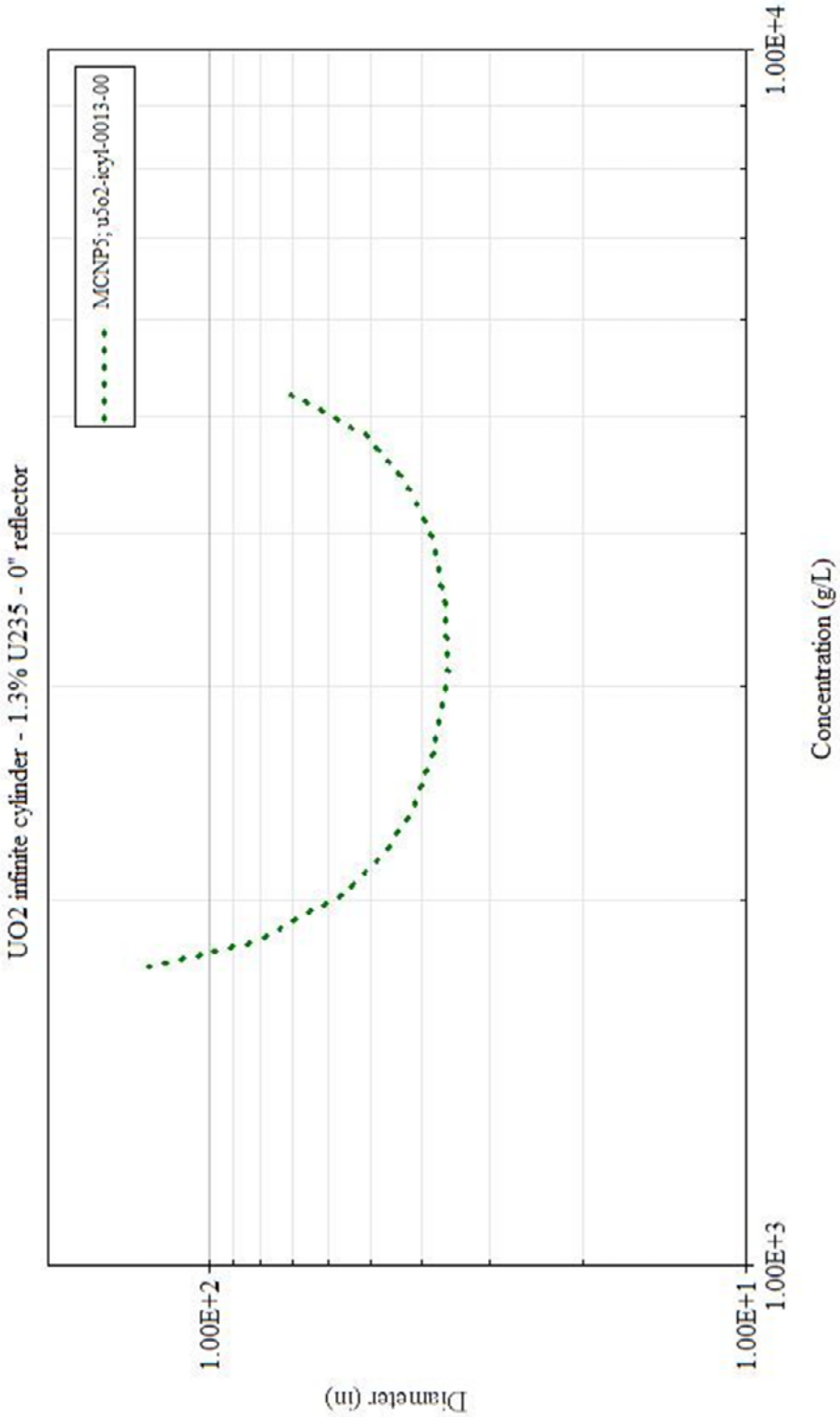

Figure B.3.2.6.1-1. UO_2 Cylinder - 1.3% ^{235}U – 0" Water Reflection

Table B.3.2.6.1-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 0" Water Reflection

1.3% ^{235}U - UO_2 Cylinder - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	35.00	150.00	5.00	129.9624
2.100	1.85113	2.909091	34.00	84.00	2.00	82.0779
2.300	2.02743	3.090909	28.00	60.00	2.00	56.1682
2.500	2.20373	3.272727	28.00	60.00	1.00	46.4889
2.700	2.38002	3.454545	28.00	44.00	1.00	41.5703
3.000	2.64447	3.727273	26.00	40.00	0.50	37.9865
3.500	3.08522	4.181818	26.00	40.00	0.50	35.7577
4.000	3.52596	4.636364	24.00	40.00	0.50	36.1469
4.500	3.96671	5.090909	24.00	40.00	0.50	38.1673
5.000	4.40745	5.545455	27.00	46.00	0.75	42.4952
5.500	4.84820	6.000000	32.00	52.00	1.00	50.9591
6.000	5.28894	6.454545	36.00	76.00	2.00	73.3953

B.3.2.6.2 1” Water Reflection

Case ID: u5o2-icyl-0013-01

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Cylinder

Isotopics: 1.3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

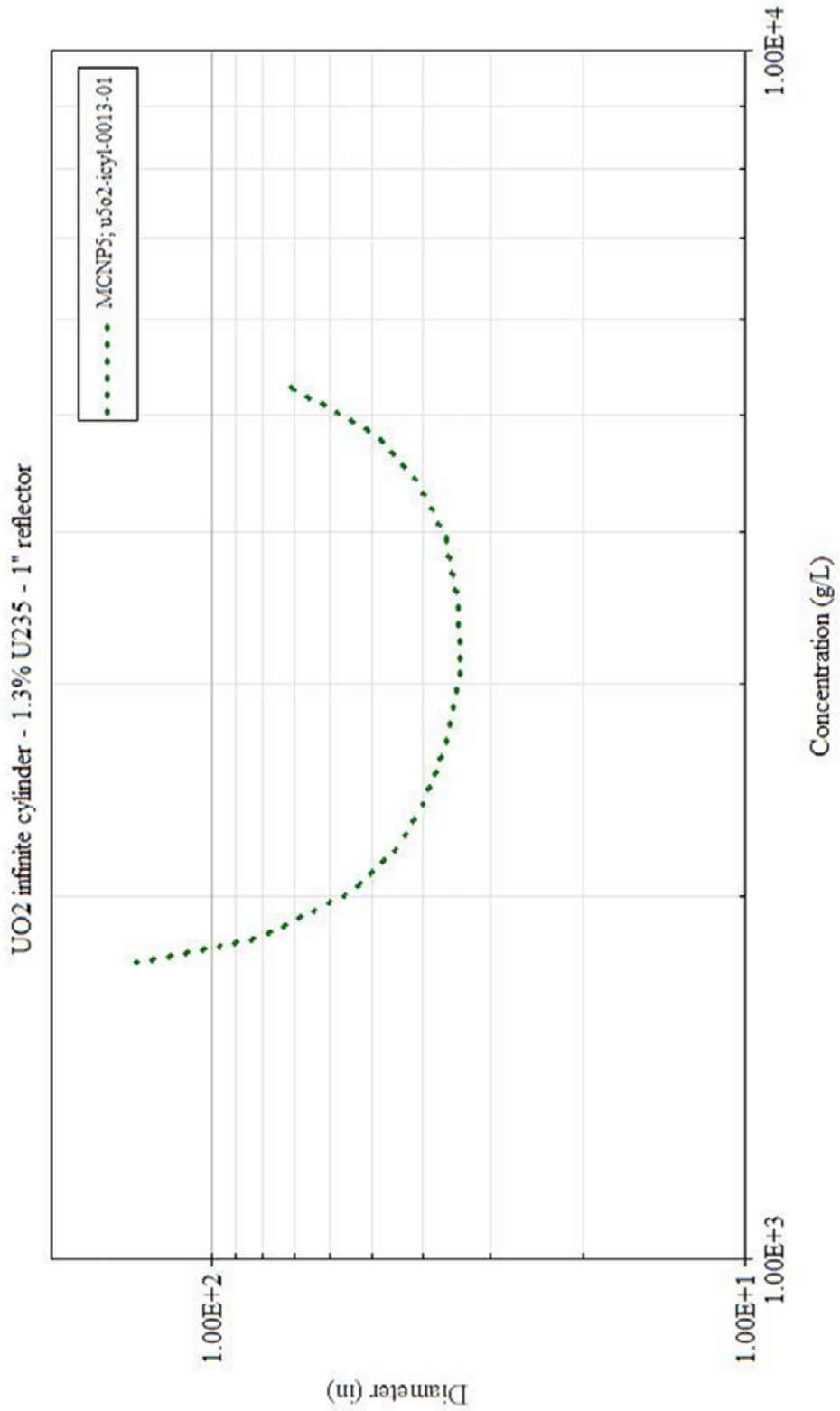

Figure B.3.2.6.2-1. UO_2 Cylinder - 1.3% ^{235}U – 1" Water Reflection

Table B.3.2.6.2-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 1" Water Reflection

1.3% ^{235}U - UO_2 Cylinder - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	30.00	140.00	5.00	138.6765
2.100	1.85113	2.909091	32.00	86.00	2.00	80.8219
2.300	2.02743	3.090909	26.00	58.00	1.00	54.1802
2.500	2.20373	3.272727	25.00	53.00	1.00	44.2903
2.700	2.38002	3.454545	20.00	42.00	1.00	40.1750
3.000	2.64447	3.727273	24.00	38.00	0.50	36.5488
3.500	3.08522	4.181818	20.00	35.00	0.50	33.9825
4.000	3.52596	4.636364	24.00	35.00	0.50	34.3010
4.500	3.96671	5.090909	24.00	40.00	0.50	36.2441
5.000	4.40745	5.545455	27.00	42.00	0.50	40.5379
5.500	4.84820	6.000000	27.00	52.00	1.00	49.0348
6.000	5.28894	6.454545	34.00	76.00	2.00	71.0211

B.3.2.6.3 10” Water Reflection

Case ID: u5o2-icyl-0013-10

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Cylinder

Isotopics: 1.3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

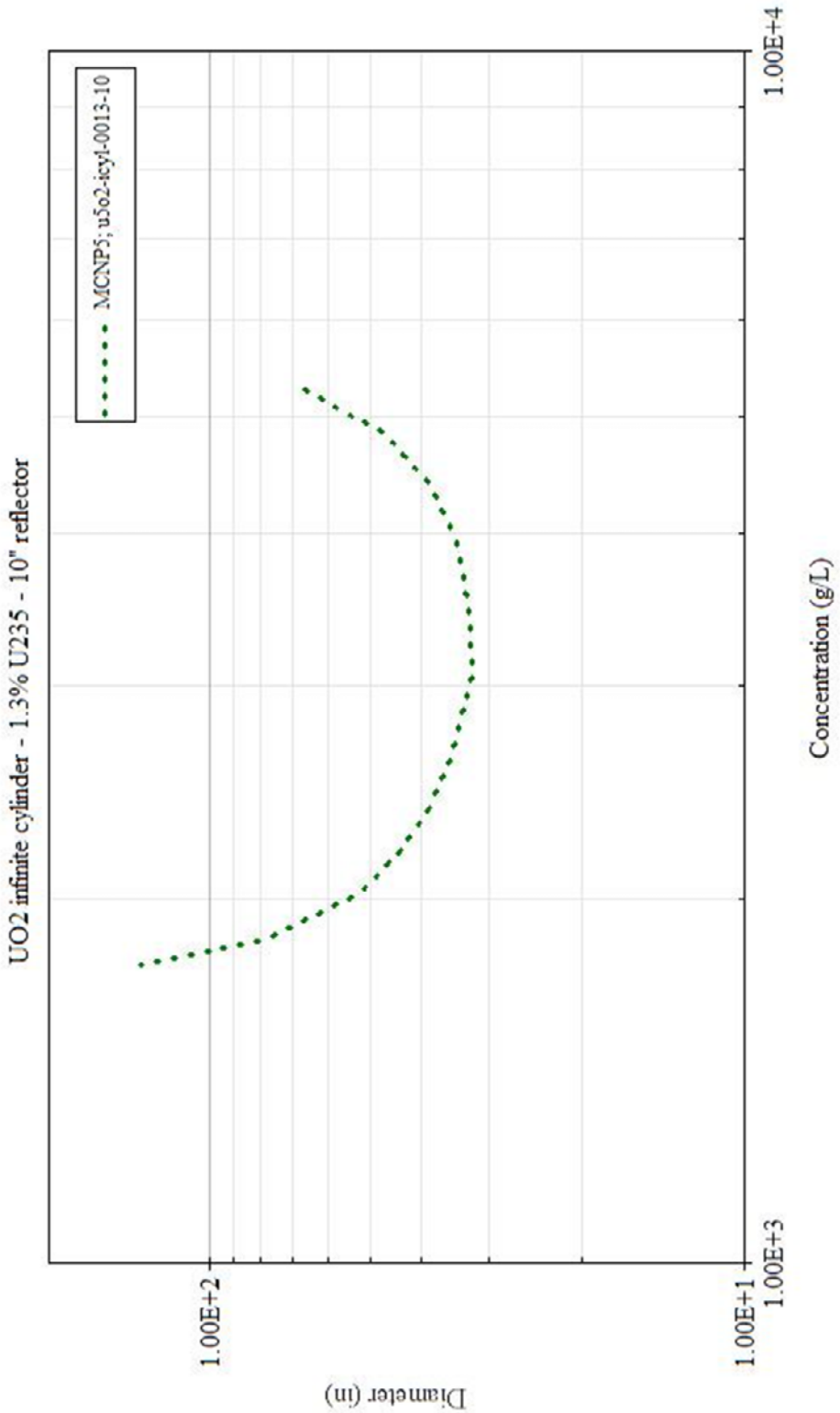

Figure B.3.2.6.3-1. UO_2 Cylinder - 1.3% ^{235}U – 10" Water Reflection

Table B.3.2.6.3-1. Critical Dimensions for UO_2 Cylinder - 1.3% ^{235}U – 10" Water Reflection

1.3% ^{235}U - UO_2 Cylinder - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	30.00	150.00	5.00	134.6428
2.100	1.85113	2.909091	30.00	82.00	2.00	79.1759
2.300	2.02743	3.090909	22.00	58.00	2.00	52.1925
2.500	2.20373	3.272727	20.00	60.00	1.00	43.3308
2.700	2.38002	3.454545	20.00	40.00	1.00	38.6079
3.000	2.64447	3.727273	23.00	36.00	0.50	34.8596
3.500	3.08522	4.181818	20.00	34.00	0.50	31.9725
4.000	3.52596	4.636364	22.00	34.00	0.50	32.5701
4.500	3.96671	5.090909	20.00	36.00	0.50	34.3790
5.000	4.40745	5.545455	24.00	40.00	0.50	38.5451
5.500	4.84820	6.000000	27.00	49.00	1.00	46.3587
6.000	5.28894	6.454545	20.00	90.00	2.50	67.0084

B.3.3 Plane

B.3.3.1 6% ^{235}U

B.3.3.1.1 0” Water Reflection

Case ID: u5o2-pl-0060-00

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Plane

Isotopics: 6% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

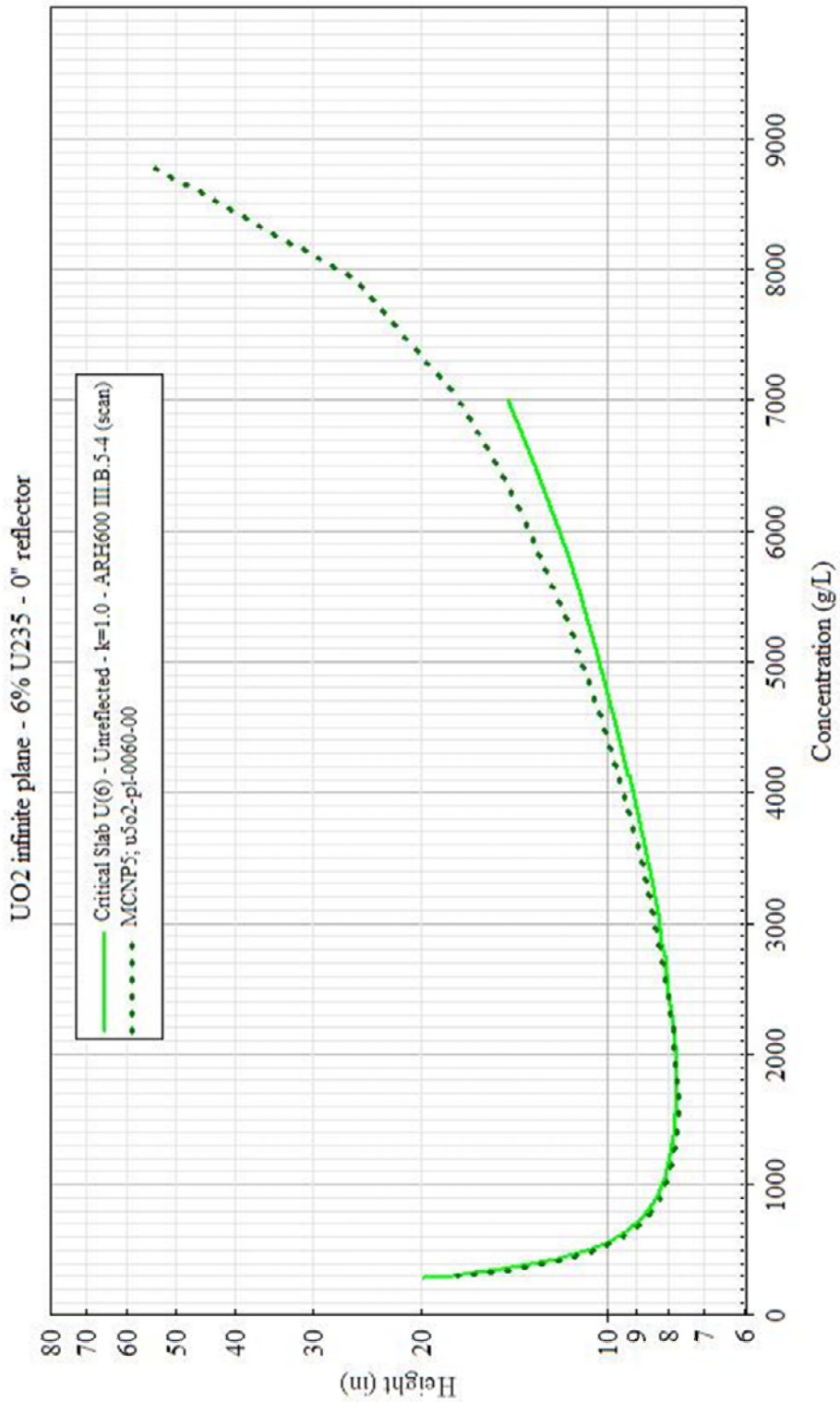

Figure B.3.3.1.1-1. UO_2 Plane - 6% ^{235}U – 0" Water Reflection

Table B.3.3.1.1-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 0" Water Reflection

6% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	13.60	18.00	0.20	17.5451
0.400	0.35257	1.363636	11.00	16.00	0.20	14.2627
0.500	0.44072	1.454545	9.60	11.50	0.10	11.3798
0.650	0.57293	1.590909	8.40	9.80	0.05	9.6612
0.800	0.70514	1.727273	7.80	9.00	0.05	8.8539
0.900	0.79329	1.818182	7.50	8.70	0.05	8.5024
1.000	0.88143	1.909091	7.40	8.40	0.05	8.2686
1.200	1.05772	2.090909	7.00	8.00	0.05	7.9726
1.500	1.32215	2.363636	7.00	7.90	0.05	7.7484
1.700	1.49843	2.545455	6.80	7.80	0.05	7.7031
1.900	1.67472	2.727273	7.00	7.90	0.05	7.7076
2.000	1.76286	2.818182	7.00	8.20	0.05	7.7061
2.100	1.85100	2.909091	7.00	8.30	0.05	7.7277
2.500	2.20358	3.272727	7.10	8.00	0.05	7.8554
3.000	2.64429	3.727273	7.30	8.20	0.05	8.0948
4.000	3.52572	4.636364	7.70	9.00	0.05	8.8543
5.000	4.40715	5.545455	8.80	10.10	0.05	9.9506
6.000	5.28858	6.454545	10.00	12.00	0.10	11.4874
7.000	6.17001	7.363636	11.80	14.00	0.10	13.8308
7.500	6.61073	7.818182	12.80	15.80	0.10	15.4929
8.000	7.05144	8.272727	14.60	18.80	0.20	17.7284
9.000	7.93287	9.181818	19.00	26.00	0.25	25.5821
10.000	8.81430	10.090909	24.00	60.00	2.00	55.4400

B.3.3.1.2 1” Water Reflection

Case ID: u5o2-pl-0060-01

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Plane

Isotopics: 6% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

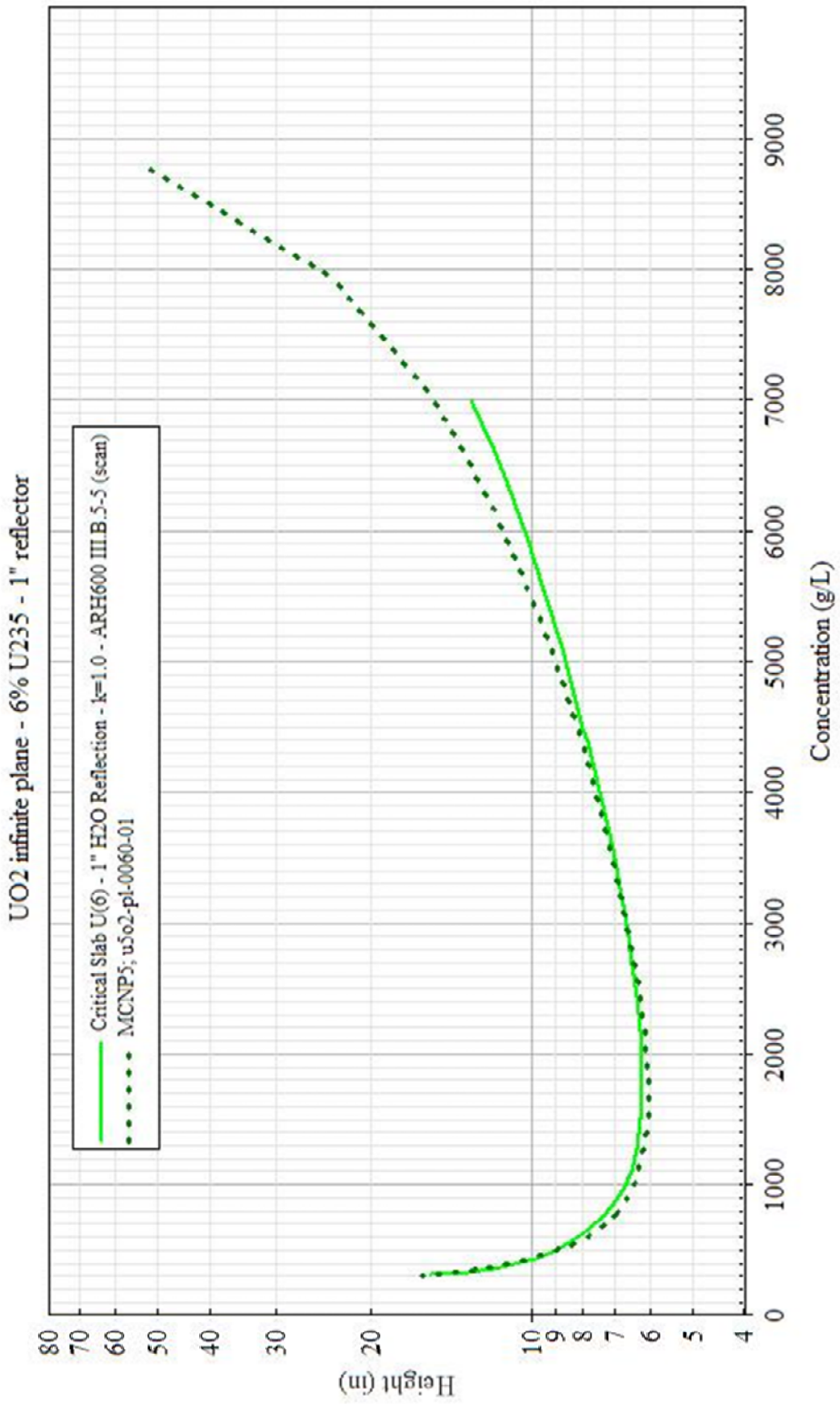

Figure B.3.3.1.2-1. UO_2 Plane - 6% ^{235}U – 1" Water Reflection

Table B.3.3.1.2-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 1" Water Reflection

6% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	11.00	17.00	0.25	16.0343
0.400	0.35257	1.363636	9.00	13.00	0.20	12.6577
0.500	0.44072	1.454545	8.00	10.00	0.10	9.8244
0.650	0.57293	1.590909	6.80	8.20	0.05	8.0764
0.800	0.70514	1.727273	6.30	7.40	0.05	7.2355
0.900	0.79329	1.818182	6.00	7.00	0.05	6.8886
1.000	0.88143	1.909091	5.80	6.80	0.05	6.6607
1.200	1.05772	2.090909	5.50	6.70	0.05	6.3328
1.500	1.32215	2.363636	5.20	6.20	0.05	6.1096
1.700	1.49843	2.545455	5.30	6.20	0.05	6.0422
1.900	1.67472	2.727273	5.20	6.20	0.05	6.0173
2.000	1.76286	2.818182	5.20	6.20	0.05	6.0335
2.100	1.85100	2.909091	5.20	6.10	0.05	6.0328
2.500	2.20358	3.272727	5.30	6.30	0.05	6.1335
3.000	2.64429	3.727273	5.50	6.50	0.05	6.3423
4.000	3.52572	4.636364	6.00	7.20	0.05	7.0405
5.000	4.40715	5.545455	6.80	8.20	0.05	8.0478
6.000	5.28858	6.454545	8.00	9.80	0.10	9.5197
7.000	6.17001	7.363636	9.50	12.00	0.10	11.7486
7.500	6.61073	7.818182	10.60	13.60	0.20	13.3859
8.000	7.05144	8.272727	12.00	15.80	0.20	15.5073
9.000	7.93287	9.181818	16.00	24.00	0.25	23.3687
10.000	8.81430	10.090909	26.00	55.00	1.00	53.4469

B.3.3.1.3 10” Water Reflection

Case ID: u5o2-pl-0060-10

Material: UO2

Weight Fraction U in UO2: 0.88143

Geometry: Plane

Isotopics: 6% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

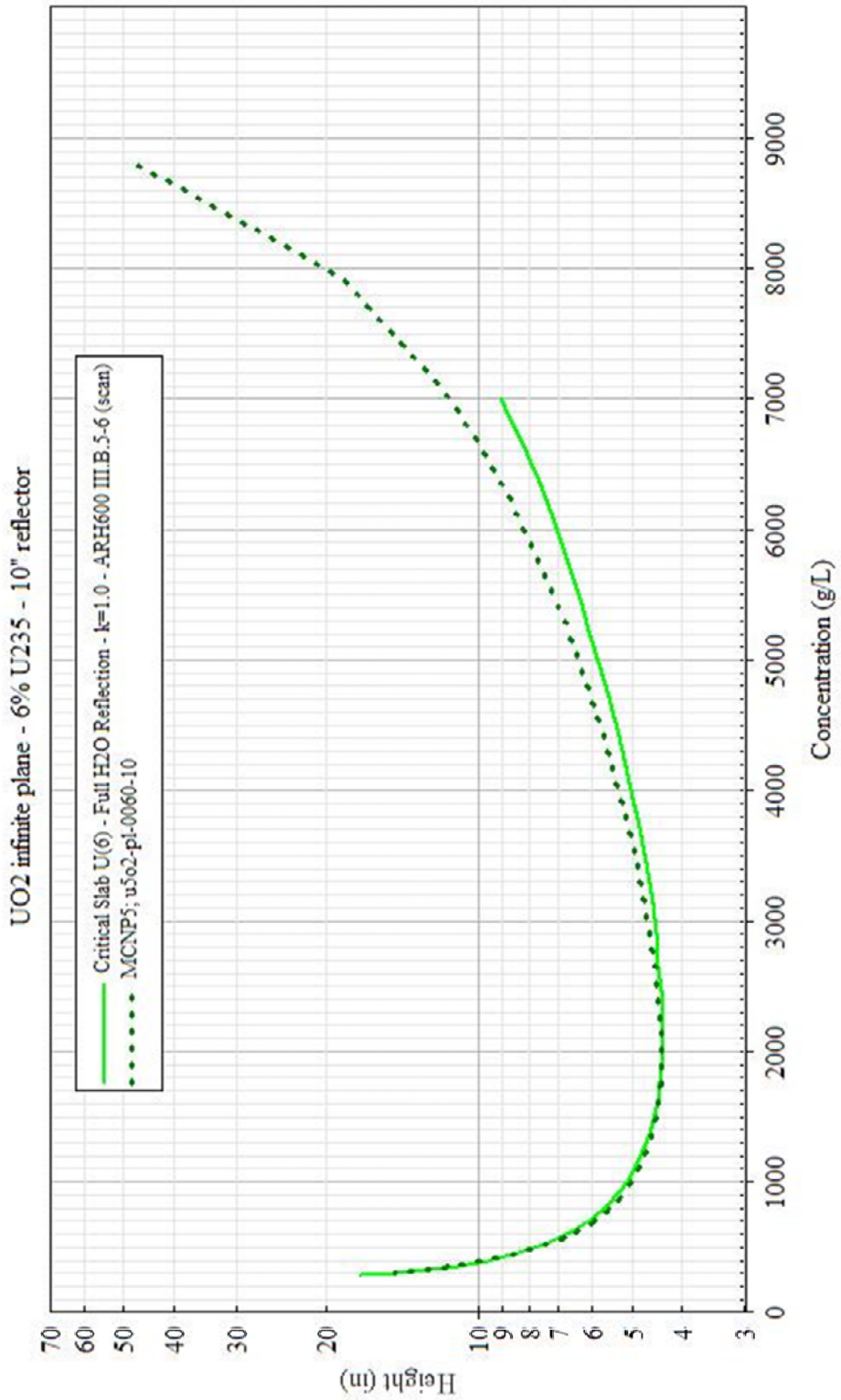

Figure B.3.3.1.3-1. UO_2 Plane - 6% ^{235}U – 10" Water Reflection

Table B.3.3.1.3-1. Critical Dimensions for UO_2 Plane - 6% ^{235}U – 10" Water Reflection

6% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	10.60	15.40	0.20	14.7416
0.400	0.35257	1.363636	8.80	12.80	0.20	11.4731
0.500	0.44072	1.454545	7.00	8.80	0.05	8.6005
0.650	0.57293	1.590909	5.60	6.90	0.05	6.7866
0.800	0.70514	1.727273	4.90	6.00	0.05	5.9245
0.900	0.79329	1.818182	4.60	5.90	0.05	5.5582
1.000	0.88143	1.909091	4.40	5.40	0.05	5.2847
1.200	1.05772	2.090909	4.00	5.00	0.05	4.9220
1.500	1.32215	2.363636	3.80	4.70	0.05	4.6064
1.700	1.49843	2.545455	3.70	4.60	0.05	4.4972
1.900	1.67472	2.727273	3.60	4.50	0.05	4.4267
2.000	1.76286	2.818182	3.60	4.50	0.05	4.3945
2.100	1.85100	2.909091	3.60	4.50	0.05	4.3926
2.500	2.20358	3.272727	3.60	4.50	0.05	4.3917
3.000	2.64429	3.727273	3.70	4.60	0.05	4.4996
4.000	3.52572	4.636364	3.80	5.00	0.05	4.9042
5.000	4.40715	5.545455	4.40	5.80	0.05	5.6251
6.000	5.28858	6.454545	5.20	6.90	0.10	6.7229
7.000	6.17001	7.363636	6.40	9.00	0.10	8.4730
7.500	6.61073	7.818182	7.20	10.20	0.10	9.8276
8.000	7.05144	8.272727	8.00	12.00	0.20	11.5960
9.000	7.93287	9.181818	10.00	22.00	0.50	18.4826
10.000	8.81430	10.090909	18.00	52.00	1.00	47.4016

B.3.3.2 5% ^{235}U

B.3.3.2.1 0” Water Reflection

Case ID: u5o2-pl-0050-00

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Plane

Isotopics: 5% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

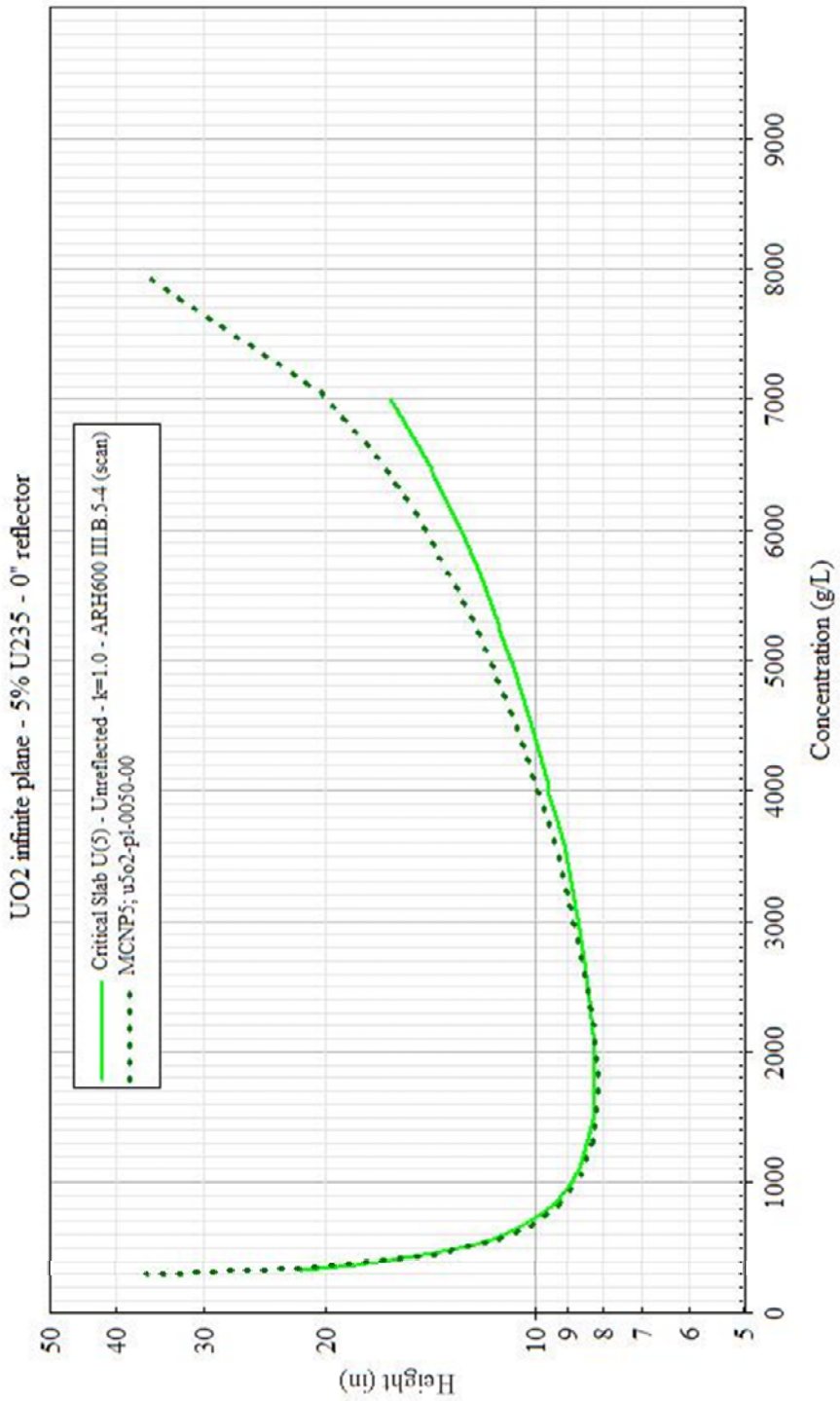

Figure B.3.3.2.1-1. UO_2 Plane - 5% ^{235}U – 0" Water Reflection

Table B.3.3.2.1-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 0" Water Reflection

5% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	18.00	40.00	1.00	36.2181
0.400	0.35258	1.363636	14.00	24.00	0.50	20.8490
0.500	0.44072	1.454545	11.60	14.40	0.10	14.1691
0.650	0.57294	1.590909	9.00	11.20	0.10	11.1625
0.800	0.70515	1.727273	8.50	10.50	0.10	9.8900
0.900	0.79330	1.818182	8.00	10.00	0.10	9.3924
1.000	0.88144	1.909091	8.00	9.20	0.05	9.0475
1.200	1.05773	2.090909	7.50	8.80	0.05	8.5937
1.500	1.32216	2.363636	7.30	8.50	0.05	8.2677
1.700	1.49845	2.545455	7.20	8.30	0.05	8.1791
1.900	1.67474	2.727273	7.30	8.30	0.05	8.1376
2.000	1.76288	2.818182	7.30	8.30	0.05	8.1263
2.100	1.85102	2.909091	7.30	8.30	0.05	8.1333
2.500	2.20360	3.272727	7.40	8.40	0.05	8.2269
3.000	2.64432	3.727273	7.60	8.60	0.05	8.4666
4.000	3.52576	4.636364	8.20	9.30	0.05	9.2420
5.000	4.40720	5.545455	9.00	11.00	0.10	10.4173
6.000	5.28864	6.454545	10.40	13.60	0.20	12.1423
7.000	6.17008	7.363636	12.40	15.20	0.10	14.8976
7.500	6.61080	7.818182	14.00	18.00	0.20	17.0583
8.000	7.05152	8.272727	16.00	21.00	0.20	20.2176
9.000	7.93296	9.181818	22.00	40.00	1.00	35.7746

B.3.3.2.2 1” Water Reflection

Case ID: u5o2-pl-0050-01

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Plane

Isotopics: 5% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

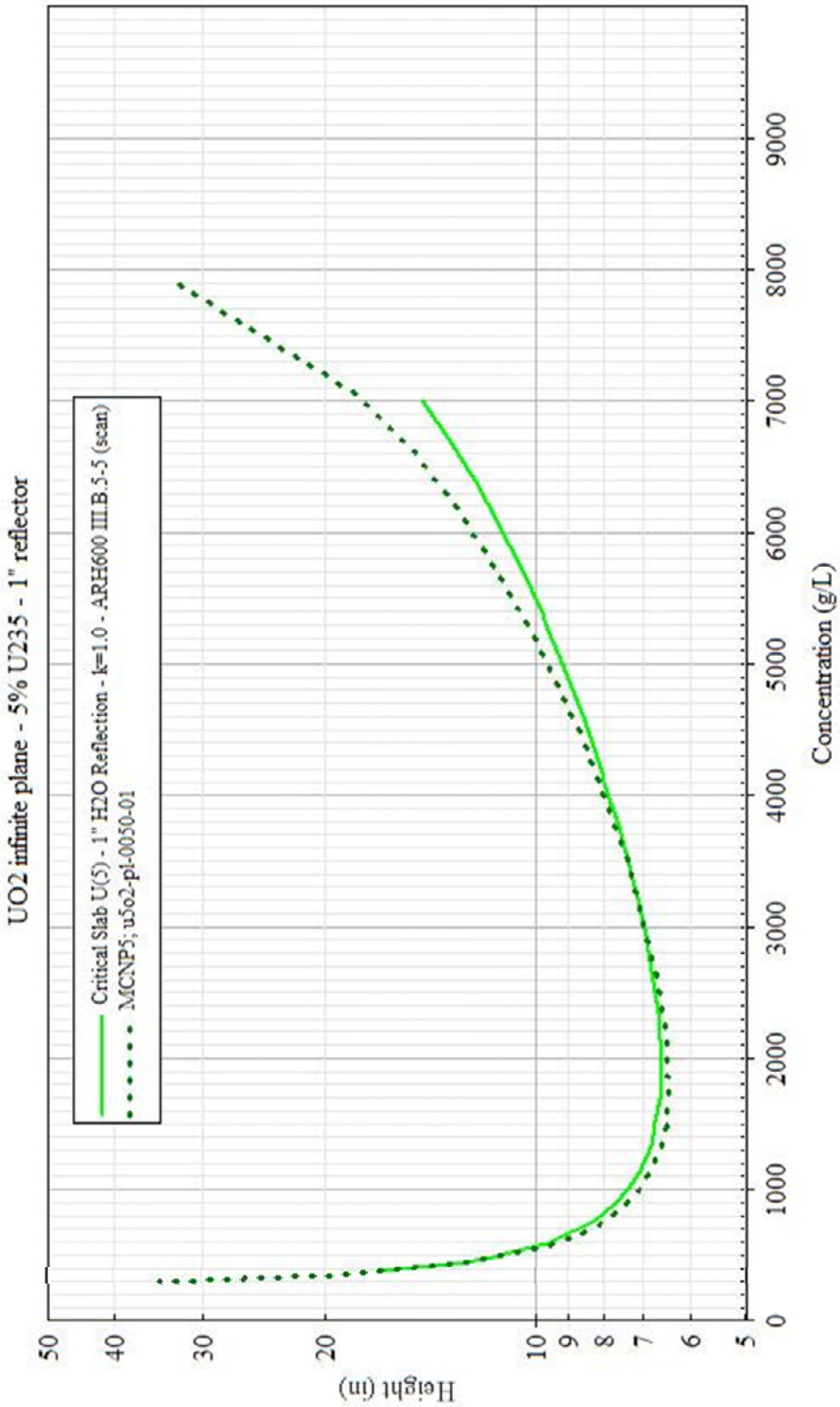

Figure B.3.3.2.2-1. UO_2 Plane - 5% ^{235}U – 1" Water Reflection

Table B.3.3.2.2-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 1" Water Reflection

5% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	18.00	36.00	1.00	34.4018
0.400	0.35258	1.363636	13.50	20.00	0.25	19.3524
0.500	0.44072	1.454545	10.00	13.00	0.10	12.6683
0.650	0.57294	1.590909	8.00	9.80	0.05	9.5705
0.800	0.70515	1.727273	7.00	9.20	0.10	8.2954
0.900	0.79330	1.818182	6.50	8.00	0.05	7.8017
1.000	0.88144	1.909091	6.40	7.60	0.05	7.4395
1.200	1.05773	2.090909	6.00	7.30	0.05	6.9764
1.500	1.32216	2.363636	5.80	6.70	0.05	6.6151
1.700	1.49845	2.545455	5.70	6.60	0.05	6.4980
1.900	1.67474	2.727273	5.60	6.60	0.05	6.4454
2.000	1.76288	2.818182	5.60	6.60	0.05	6.4500
2.100	1.85102	2.909091	5.60	6.50	0.05	6.4340
2.500	2.20360	3.272727	5.70	6.50	0.05	6.4953
3.000	2.64432	3.727273	5.70	6.80	0.05	6.7126
4.000	3.52576	4.636364	6.40	7.50	0.05	7.3891
5.000	4.40720	5.545455	7.20	8.60	0.05	8.4936
6.000	5.28864	6.454545	8.50	10.50	0.10	10.1428
7.000	6.17008	7.363636	10.40	13.20	0.10	12.8011
7.500	6.61080	7.818182	11.00	15.40	0.20	14.8987
8.000	7.05152	8.272727	13.60	18.40	0.20	17.9359
9.000	7.93296	9.181818	20.00	35.00	0.50	33.3687

B.3.3.2.3 10” Water Reflection

Case ID: u5o2-pl-0050-10

Material: UO2

Weight Fraction U in UO2: 0.88144

Geometry: Plane

Isotopics: 5% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

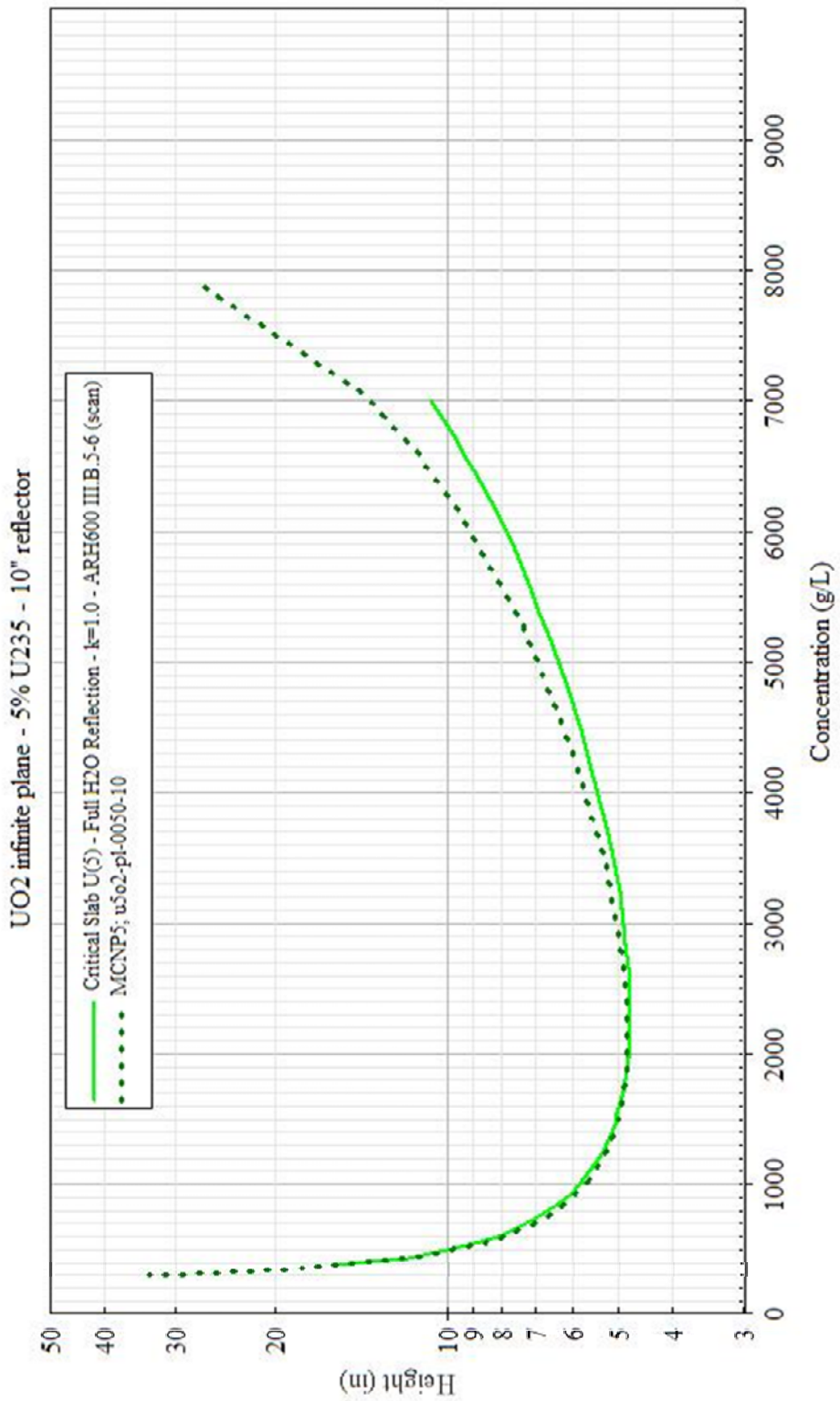

Figure B.3.3.2.3-1. UO_2 Plane - 5% ^{235}U – 10" Water Reflection

Table B.3.3.2.3-1. Critical Dimensions for UO_2 Plane - 5% ^{235}U – 10" Water Reflection

5% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.350	0.30850	1.318182	15.00	35.00	1.00	33.4000
0.400	0.35258	1.363636	10.00	27.00	0.50	18.0918
0.500	0.44072	1.454545	8.00	12.00	0.20	11.3889
0.650	0.57294	1.590909	6.60	8.60	0.10	8.3053
0.800	0.70515	1.727273	5.80	7.20	0.05	6.9881
0.900	0.79330	1.818182	5.40	6.80	0.05	6.4693
1.000	0.88144	1.909091	5.10	6.20	0.05	6.0793
1.200	1.05773	2.090909	4.70	5.70	0.05	5.5782
1.500	1.32216	2.363636	4.30	5.20	0.05	5.1465
1.700	1.49845	2.545455	4.20	5.10	0.05	4.9941
1.900	1.67474	2.727273	4.10	5.00	0.05	4.8875
2.000	1.76288	2.818182	4.00	5.00	0.05	4.8577
2.100	1.85102	2.909091	4.00	5.00	0.05	4.8407
2.500	2.20360	3.272727	4.00	4.90	0.05	4.7907
3.000	2.64432	3.727273	4.00	5.00	0.05	4.8741
4.000	3.52576	4.636364	4.30	5.40	0.05	5.2950
5.000	4.40720	5.545455	4.80	6.20	0.05	6.1076
6.000	5.28864	6.454545	5.50	7.50	0.10	7.3490
7.000	6.17008	7.363636	7.00	10.20	0.10	9.5387
7.500	6.61080	7.818182	8.00	11.60	0.20	11.2882
8.000	7.05152	8.272727	9.60	14.20	0.20	13.9236
9.000	7.93296	9.181818	15.00	30.00	0.50	27.8904

B.3.3.3 4% ^{235}U

B.3.3.3.1 0” Water Reflection

Case ID: u5o2-pl-0040-00

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Plane

Isotopics: 4% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

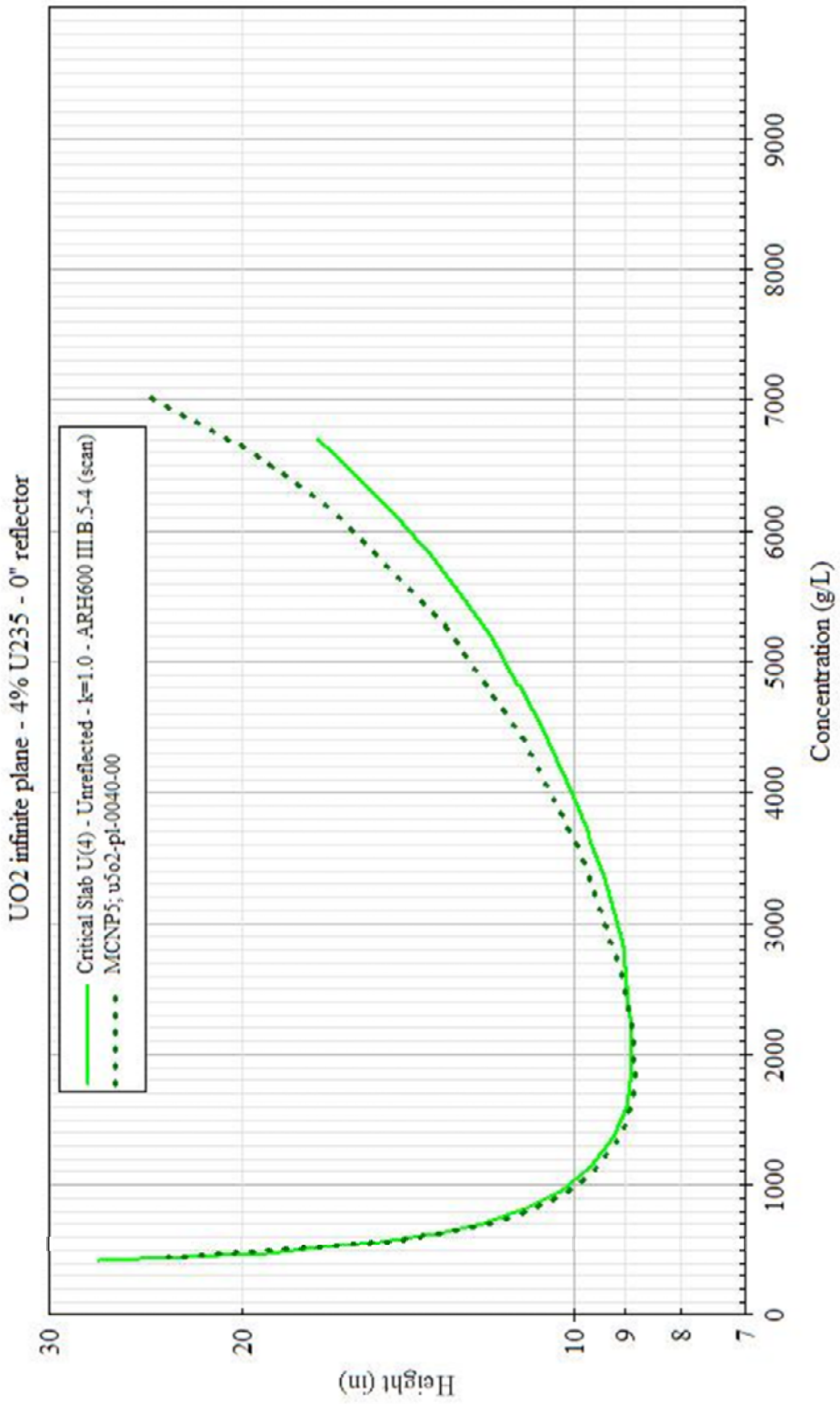

Figure B.3.3.3.1-1. UO_2 Plane - 4% ^{235}U – 0" Water Reflection

Table B.3.3.3.1-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 0" Water Reflection

4% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	16.00	25.00	0.50	23.3882
0.650	0.57294	1.590909	11.00	15.00	0.20	14.5093
0.800	0.70516	1.727273	10.00	12.20	0.10	11.9500
0.900	0.79331	1.818182	9.00	11.50	0.10	11.0587
1.000	0.88145	1.909091	9.00	11.00	0.10	10.4658
1.200	1.05774	2.090909	8.20	10.20	0.10	9.7175
1.500	1.32218	2.363636	8.10	9.30	0.05	9.1390
1.700	1.49847	2.545455	7.80	9.20	0.05	8.9449
1.900	1.67476	2.727273	7.70	9.00	0.05	8.8379
2.000	1.76290	2.818182	7.80	9.00	0.05	8.8030
2.100	1.85105	2.909091	7.80	9.00	0.05	8.8025
2.500	2.20363	3.272727	7.70	9.00	0.05	8.8274
3.000	2.64435	3.727273	8.00	9.20	0.05	9.0367
4.000	3.52580	4.636364	8.60	10.00	0.05	9.8058
5.000	4.40725	5.545455	9.40	11.40	0.10	11.0845
6.000	5.28870	6.454545	11.00	13.40	0.10	13.0890
7.000	6.17015	7.363636	13.50	17.00	0.20	16.5347
7.500	6.61088	7.818182	15.00	20.00	0.25	19.5969
8.000	7.05160	8.272727	18.00	26.00	0.50	24.6388

B.3.3.3.2 1” Water Reflection

Case ID: u5o2-pl-0040-01

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Plane

Isotopics: 4% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

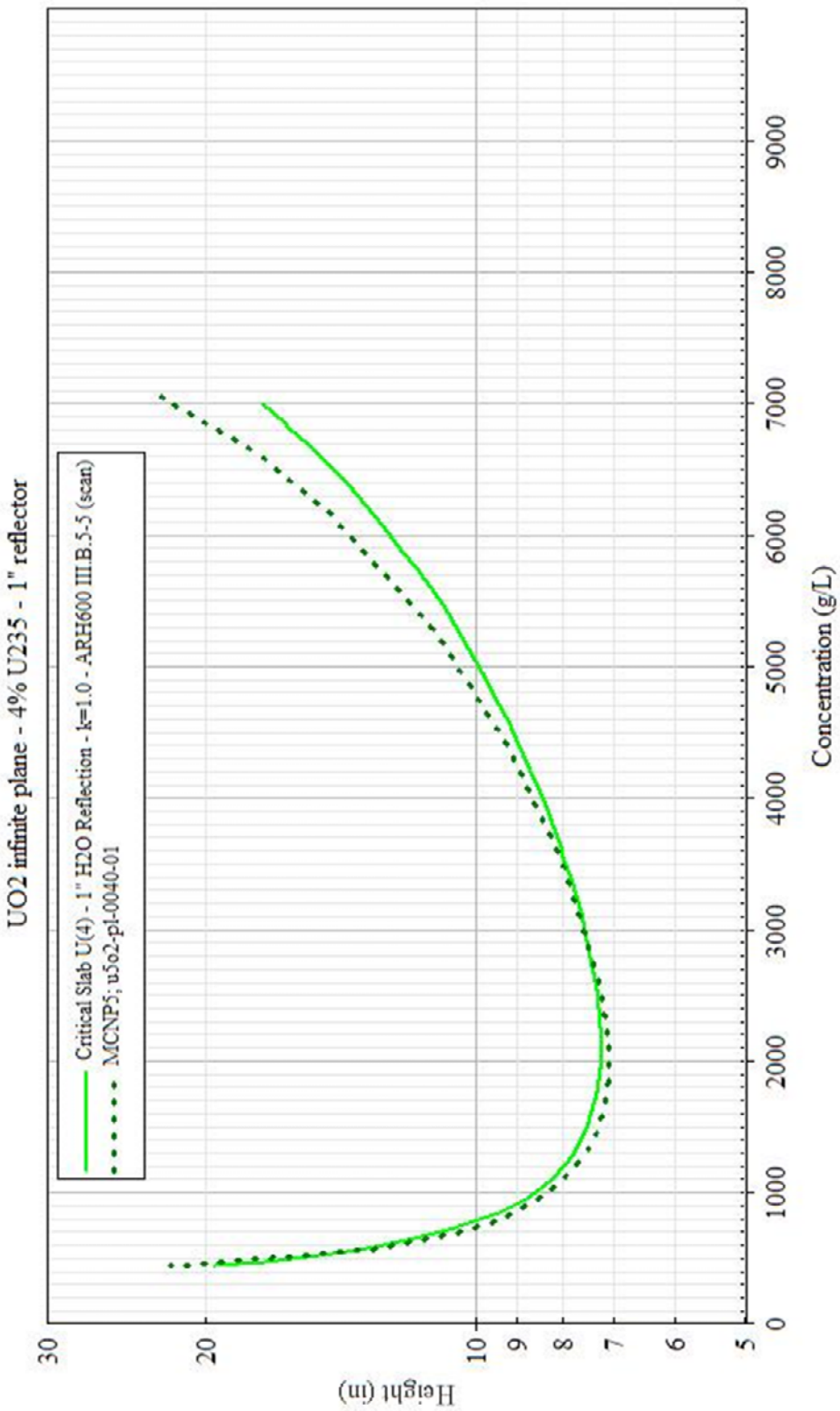

Figure B.3.3.3.2-1. UO_2 Plane - 4% ^{235}U – 1" Water Reflection

Table B.3.3.3.2-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 1" Water Reflection

4% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	14.50	22.50	0.50	21.9051
0.650	0.57294	1.590909	9.00	14.00	0.20	12.9243
0.800	0.70516	1.727273	8.50	10.50	0.10	10.3765
0.900	0.79331	1.818182	8.00	10.00	0.10	9.4488
1.000	0.88145	1.909091	7.50	9.00	0.05	8.8629
1.200	1.05774	2.090909	6.50	8.50	0.10	8.0850
1.500	1.32218	2.363636	6.40	7.60	0.05	7.4819
1.700	1.49847	2.545455	6.30	7.40	0.05	7.2766
1.900	1.67476	2.727273	6.20	7.30	0.05	7.1650
2.000	1.76290	2.818182	6.20	7.50	0.05	7.1247
2.100	1.85105	2.909091	6.10	7.30	0.10	7.1057
2.500	2.20363	3.272727	6.10	7.30	0.05	7.1102
3.000	2.64435	3.727273	6.30	7.40	0.05	7.2747
4.000	3.52580	4.636364	6.80	8.10	0.05	7.9756
5.000	4.40725	5.545455	7.60	9.30	0.10	9.1714
6.000	5.28870	6.454545	9.00	11.50	0.10	11.0638
7.000	6.17015	7.363636	11.40	14.60	0.20	14.4368
7.500	6.61088	7.818182	13.00	17.60	0.20	17.3619
8.000	7.05160	8.272727	16.00	24.00	0.50	22.3338

B.3.3.3.3 10” Water Reflection

Case ID: u5o2-pl-0040-10

Material: UO2

Weight Fraction U in UO2: 0.88145

Geometry: Plane

Isotopics: 4% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

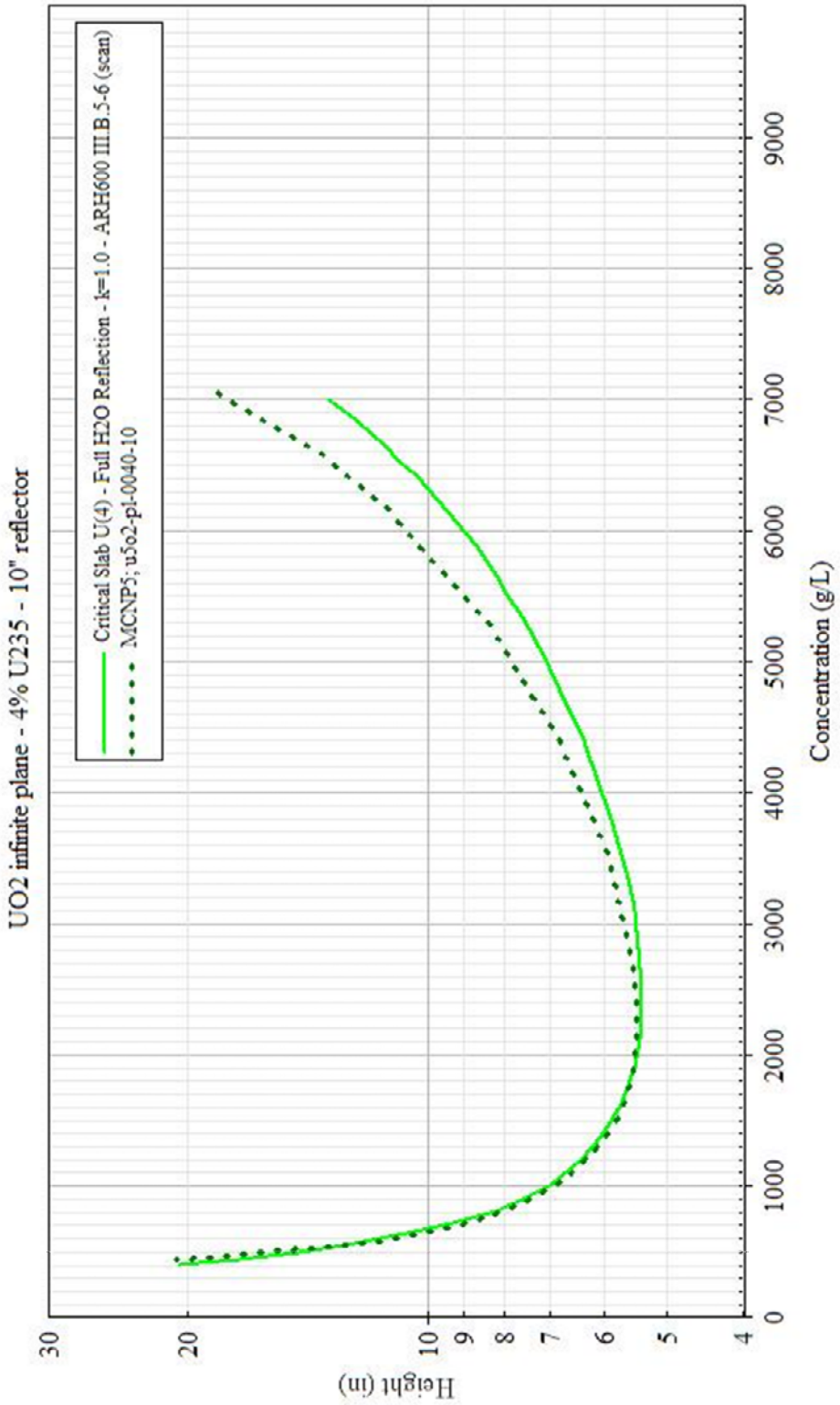

Figure B.3.3.3.3-1. UO_2 Plane - 4% ^{235}U – 10" Water Reflection

Table B.3.3.3.3-1. Critical Dimensions for UO_2 Plane - 4% ^{235}U – 10" Water Reflection

4% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.500	0.44073	1.454545	13.00	22.00	0.50	20.6836
0.650	0.57294	1.590909	9.00	12.00	0.10	11.6665
0.800	0.70516	1.727273	7.20	9.30	0.10	9.0754
0.900	0.79331	1.818182	6.50	8.50	0.10	8.1565
1.000	0.88145	1.909091	6.00	8.20	0.10	7.5239
1.200	1.05774	2.090909	5.40	7.00	0.05	6.6942
1.500	1.32218	2.363636	5.00	6.30	0.05	6.0544
1.700	1.49847	2.545455	4.60	6.00	0.05	5.7787
1.900	1.67476	2.727273	4.70	5.70	0.05	5.6284
2.000	1.76290	2.818182	4.60	5.70	0.05	5.5702
2.100	1.85105	2.909091	4.40	5.70	0.05	5.5188
2.500	2.20363	3.272727	4.50	5.60	0.05	5.4352
3.000	2.64435	3.727273	4.50	5.60	0.05	5.4816
4.000	3.52580	4.636364	4.70	6.20	0.05	5.9132
5.000	4.40725	5.545455	5.40	7.20	0.10	6.8143
6.000	5.28870	6.454545	6.30	8.50	0.10	8.3185
7.000	6.17015	7.363636	8.00	11.60	0.20	11.1457
7.500	6.61088	7.818182	9.60	14.40	0.20	13.7105
8.000	7.05160	8.272727	10.00	20.00	0.50	18.3653

B.3.3.4 3% ^{235}U

B.3.3.4.1 0” Water Reflection

Case ID: u5o2-pl-0030-00

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

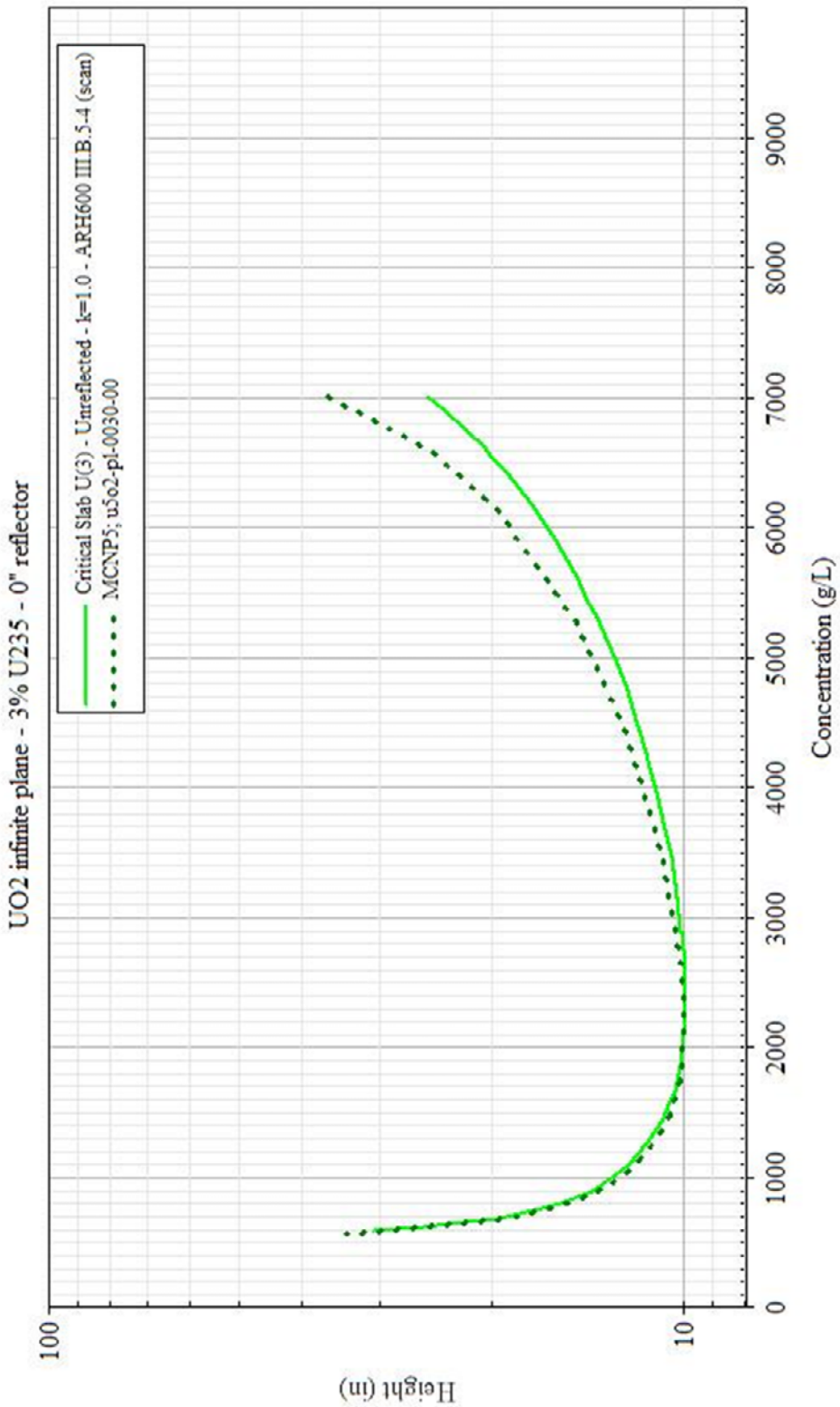

Figure B.3.3.4.1-1. UO_2 Plane - 3% ^{235}U – 0" Water Reflection

Table B.3.3.4.1-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 0" Water Reflection

3% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	18.00	35.00	0.50	34.0037
0.800	0.70518	1.727273	14.00	19.00	0.20	18.4039
0.900	0.79332	1.818182	12.00	16.00	0.20	15.5796
1.000	0.88147	1.909091	11.20	14.20	0.10	13.9047
1.200	1.05776	2.090909	10.00	12.20	0.10	12.1696
1.500	1.32221	2.363636	9.40	11.40	0.10	10.9421
1.700	1.49850	2.545455	9.00	11.00	0.10	10.5217
1.900	1.67479	2.727273	8.70	10.50	0.10	10.2065
2.000	1.76294	2.818182	8.60	10.50	0.10	10.1366
2.100	1.85109	2.909091	8.60	10.50	0.10	10.0858
2.500	2.20368	3.272727	8.50	10.50	0.10	9.9761
3.000	2.64441	3.727273	8.60	10.50	0.10	10.0830
4.000	3.52588	4.636364	9.50	11.00	0.05	10.8556
5.000	4.40735	5.545455	10.50	12.50	0.10	12.2861
6.000	5.28882	6.454545	12.20	15.20	0.10	14.7562
7.000	6.17029	7.363636	15.00	20.00	0.20	19.7441
7.500	6.61103	7.818182	18.00	26.50	0.25	25.0024
8.000	7.05176	8.272727	22.00	40.00	0.50	37.3107

B.3.3.4.2 1” Water Reflection

Case ID: u5o2-pl-0030-01

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

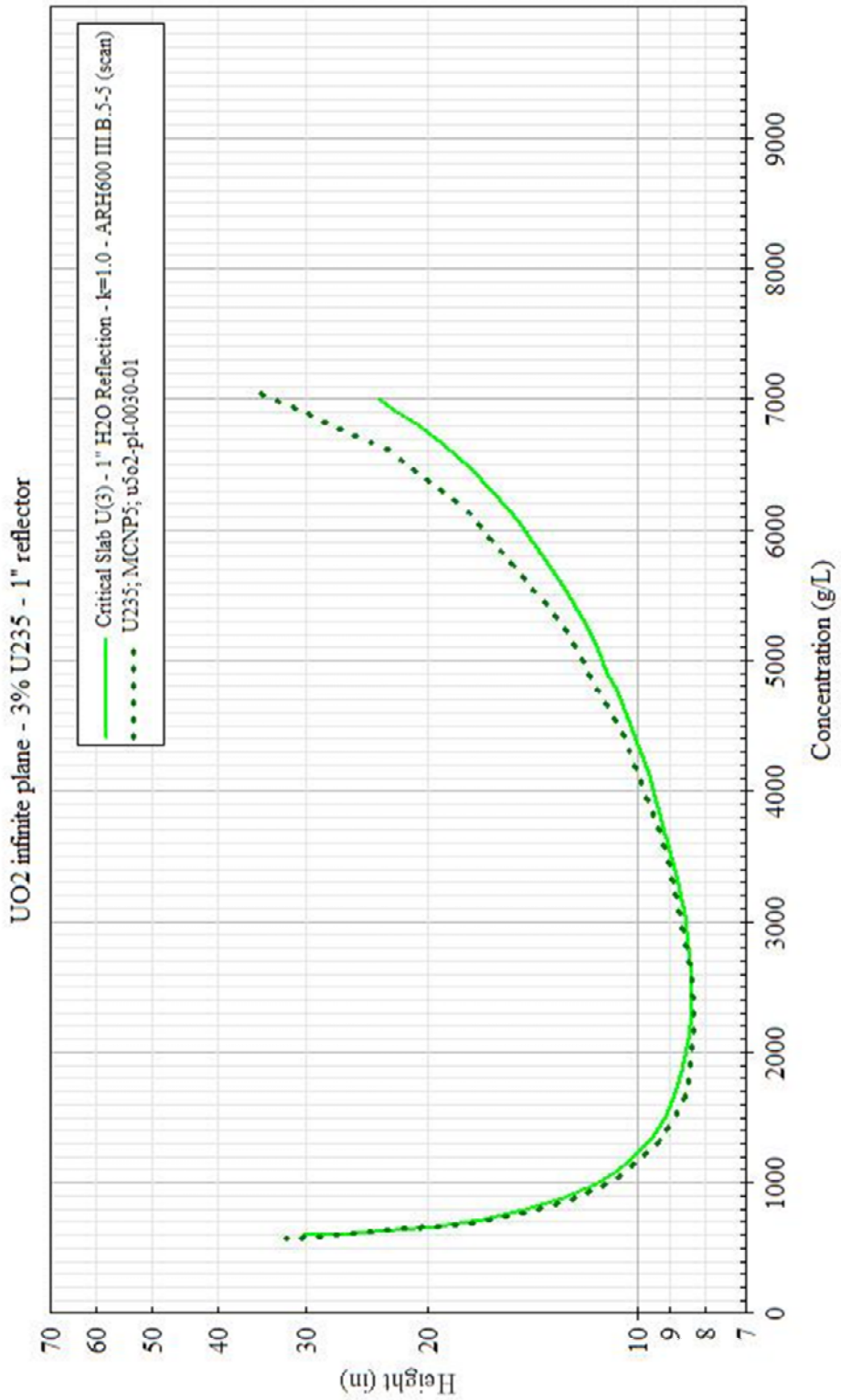

Figure B.3.3.4.2-1. UO_2 Plane - 3% ^{235}U – 1" Water Reflection

Table B.3.3.4.2-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 1" Water Reflection

3% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	16.00	36.00	1.00	32.0867
0.800	0.70518	1.727273	12.00	17.00	0.20	16.7932
0.900	0.79332	1.818182	10.00	15.00	0.20	13.9670
1.000	0.88147	1.909091	9.70	12.50	0.10	12.2976
1.200	1.05776	2.090909	8.60	10.60	0.10	10.5434
1.500	1.32221	2.363636	7.50	9.50	0.10	9.2950
1.700	1.49850	2.545455	7.50	9.00	0.05	8.8400
1.900	1.67479	2.727273	7.30	9.00	0.05	8.5636
2.000	1.76294	2.818182	7.20	8.60	0.05	8.4626
2.100	1.85109	2.909091	7.10	8.50	0.05	8.3981
2.500	2.20368	3.272727	7.00	8.40	0.05	8.2507
3.000	2.64441	3.727273	7.10	8.50	0.05	8.3288
4.000	3.52588	4.636364	7.50	9.50	0.10	9.0194
5.000	4.40735	5.545455	8.50	10.60	0.10	10.3756
6.000	5.28882	6.454545	10.00	13.00	0.10	12.7771
7.000	6.17029	7.363636	13.00	18.40	0.20	17.5894
7.500	6.61103	7.818182	15.50	23.50	0.25	22.7103
8.000	7.05176	8.272727	20.00	42.00	1.00	35.1372

B.3.3.4.3 10” Water Reflection

Case ID: u5o2-pl-0030-10

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

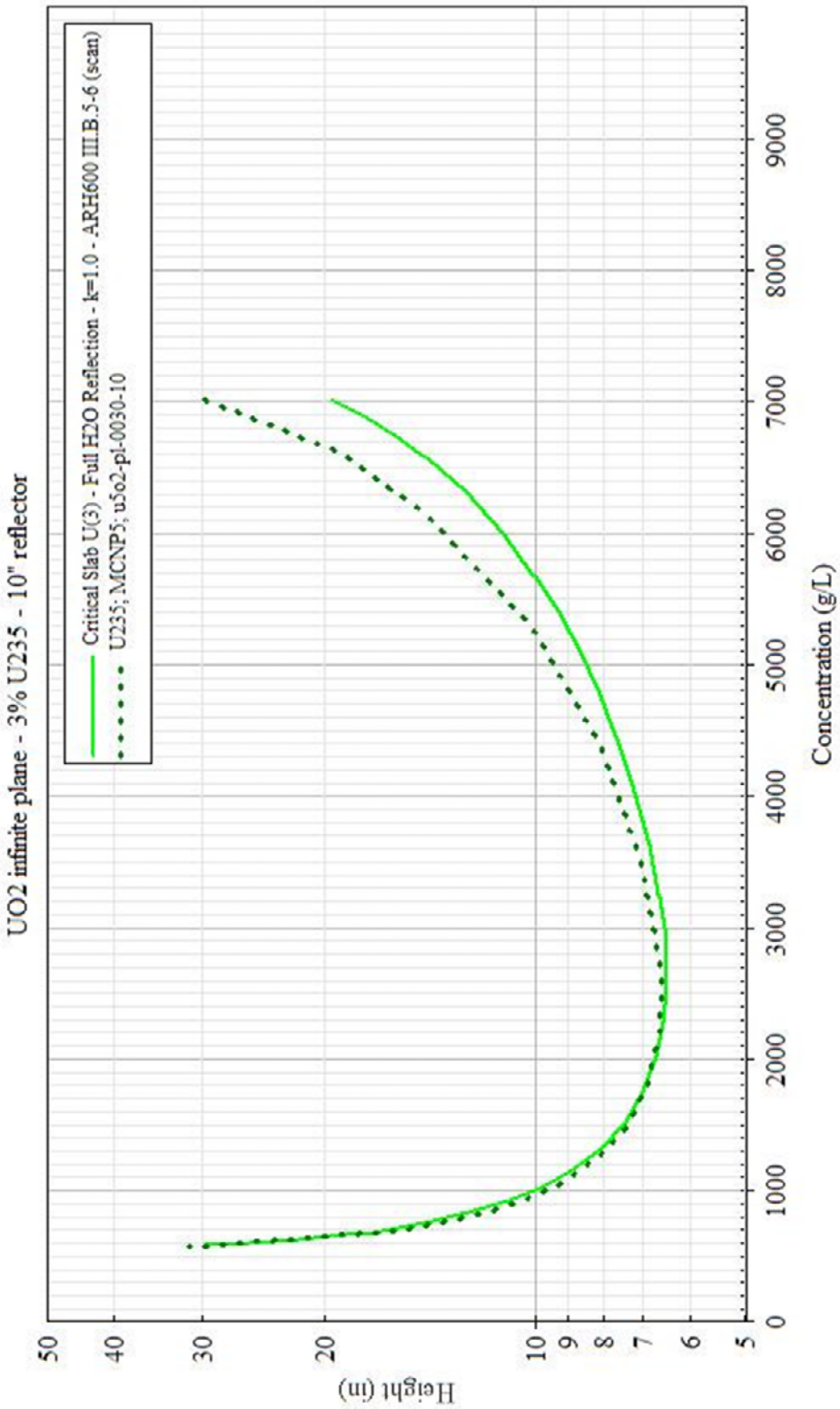

Figure B.3.3.4.3-1. UO_2 Plane - 3% ^{235}U – 10" Water Reflection

Table B.3.3.4.3-1. Critical Dimensions for UO_2 Plane - 3% ^{235}U – 10" Water Reflection

3% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter(Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.650	0.57296	1.590909	14.00	34.00	1.00	31.3333
0.800	0.70518	1.727273	11.00	18.00	0.25	15.5526
0.900	0.79332	1.818182	9.60	13.00	0.20	12.6986
1.000	0.88147	1.909091	8.50	11.50	0.10	11.0162
1.200	1.05776	2.090909	7.00	10.00	0.10	9.1658
1.500	1.32221	2.363636	6.40	8.20	0.10	7.8639
1.700	1.49850	2.545455	6.00	7.50	0.10	7.3786
1.900	1.67479	2.727273	5.50	7.50	0.10	7.0874
2.000	1.76294	2.818182	5.40	7.20	0.10	6.9324
2.100	1.85109	2.909091	5.50	7.00	0.05	6.8564
2.500	2.20368	3.272727	5.40	7.00	0.10	6.6325
3.000	2.64441	3.727273	5.30	6.70	0.05	6.5720
4.000	3.52588	4.636364	5.50	7.50	0.10	7.0372
5.000	4.40735	5.545455	6.30	8.30	0.10	8.0504
6.000	5.28882	6.454545	7.00	11.00	0.20	10.0630
7.000	6.17029	7.363636	10.00	15.00	0.20	14.4076
7.500	6.61103	7.818182	12.00	20.00	0.50	18.8648
8.000	7.05176	8.272727	16.00	33.00	0.50	30.8167

B.3.3.5 2.5% ^{235}U

B.3.3.5.1 0” Water Reflection

Case ID: u5o2-pl-0025-00

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 2.5% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

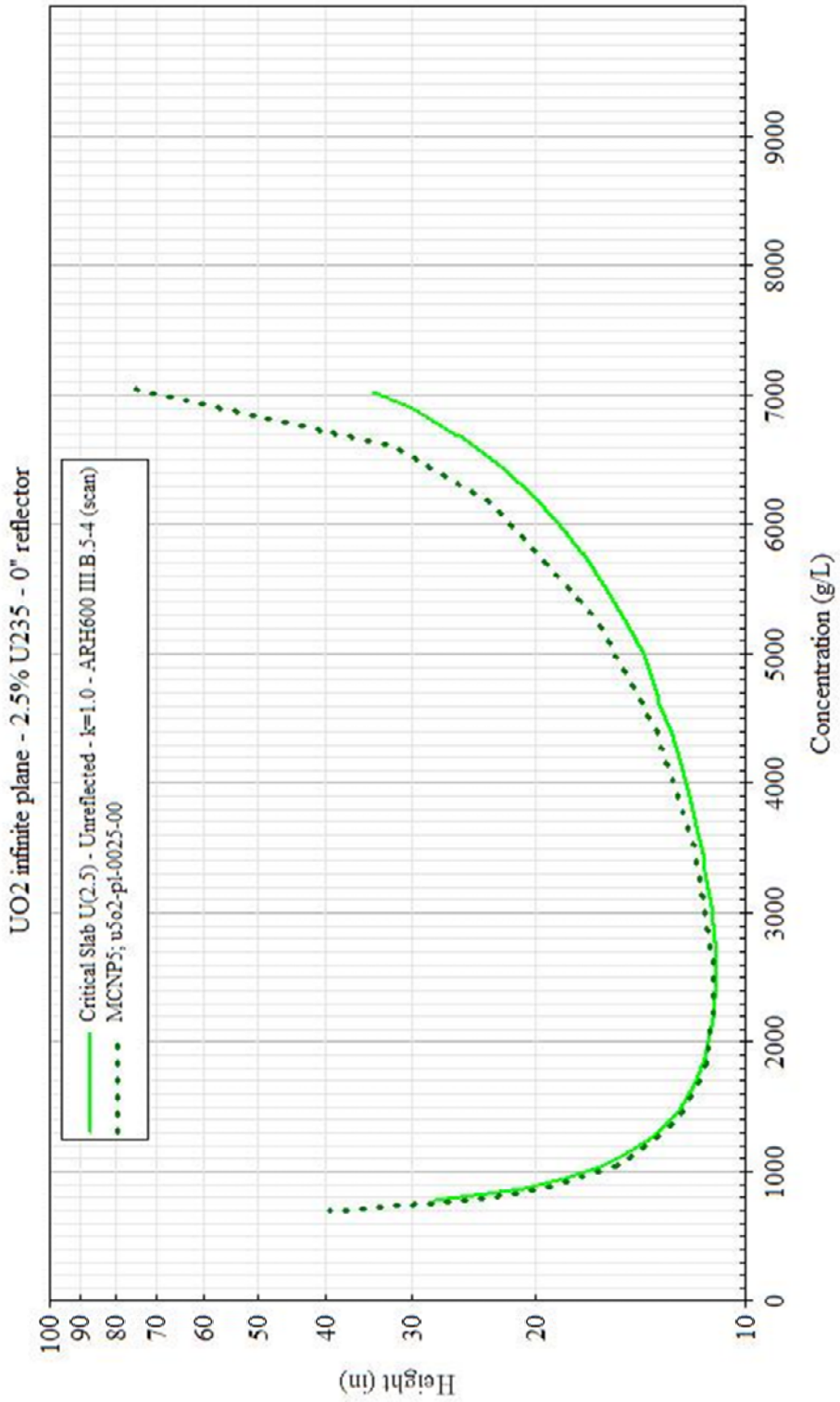

Figure B.3.3.5.1-1. UO_2 Plane - 2.5% ^{235}U – 0" Water Reflection

Table B.3.3.5.1-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 0" Water Reflection

2.5% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	20.00	42.00	1.00	39.5803
0.900	0.79332	1.818182	16.00	26.00	0.50	24.0771
1.000	0.88147	1.909091	14.00	20.00	0.25	19.1983
1.200	1.05776	2.090909	12.00	16.00	0.20	15.2141
1.500	1.32221	2.363636	10.50	13.00	0.10	12.8836
1.700	1.49850	2.545455	10.00	12.30	0.10	12.1278
1.900	1.67479	2.727273	9.60	12.00	0.10	11.6470
2.000	1.76294	2.818182	9.60	11.60	0.10	11.4771
2.100	1.85109	2.909091	9.50	11.60	0.10	11.3500
2.500	2.20368	3.272727	9.50	11.30	0.10	11.0654
3.000	2.64441	3.727273	9.50	11.30	0.10	11.0687
4.000	3.52588	4.636364	10.00	12.00	0.10	11.8186
5.000	4.40735	5.545455	11.20	13.60	0.10	13.3804
6.000	5.28882	6.454545	13.20	16.80	0.20	16.3507
7.000	6.17029	7.363636	17.00	24.50	0.25	23.0802
7.500	6.61103	7.818182	20.00	34.00	0.50	31.6842
8.000	7.05176	8.272727	26.00	80.00	2.00	75.0002

B.3.3.5.2 1” Water Reflection

Case ID: u5o2-pl-0025-01

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 2.5% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

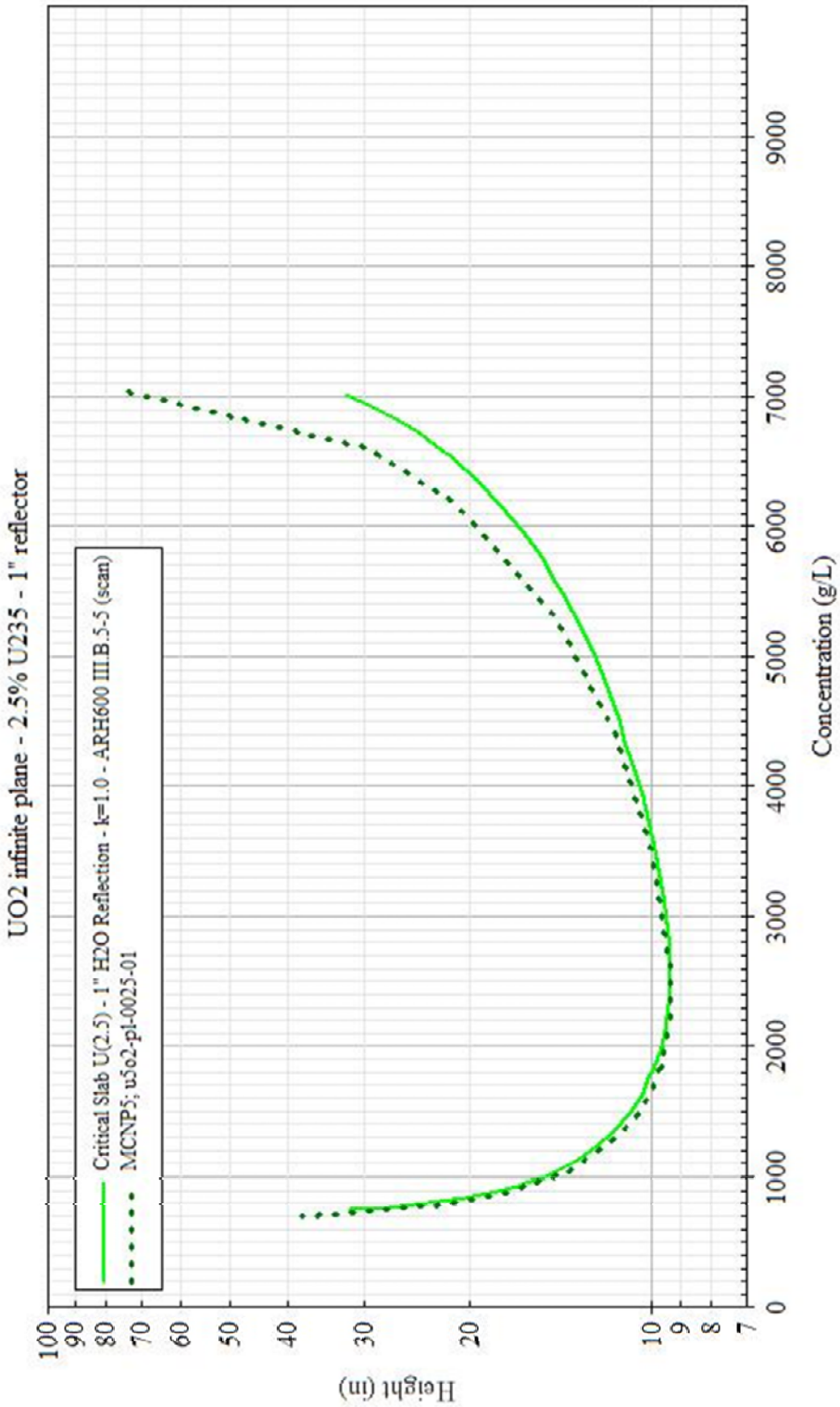

Figure B.3.3.5.2-1. UO_2 Plane - 2.5% ^{235}U – 1" Water Reflection

Table B.3.3.5.2-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 1" Water Reflection

2.5% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	18.00	40.00	1.00	37.9819
0.900	0.79332	1.818182	15.00	24.00	0.25	22.5117
1.000	0.88147	1.909091	12.00	18.50	0.25	17.6433
1.200	1.05776	2.090909	9.00	14.00	0.20	13.6036
1.500	1.32221	2.363636	9.00	11.60	0.10	11.2438
1.700	1.49850	2.545455	8.50	10.80	0.10	10.4584
1.900	1.67479	2.727273	8.20	10.20	0.10	9.9810
2.000	1.76294	2.818182	8.00	10.20	0.10	9.8137
2.100	1.85109	2.909091	8.00	10.00	0.10	9.6581
2.500	2.20368	3.272727	7.80	10.00	0.10	9.3499
3.000	2.64441	3.727273	7.60	10.00	0.10	9.3148
4.000	3.52588	4.636364	8.00	10.40	0.10	10.0082
5.000	4.40735	5.545455	9.40	11.80	0.10	11.4745
6.000	5.28882	6.454545	11.20	14.60	0.10	14.3085
7.000	6.17029	7.363636	15.00	22.00	0.25	20.9123
7.500	6.61103	7.818182	18.00	31.00	0.50	29.2911
8.000	7.05176	8.272727	24.00	78.00	2.00	75.1526

B.3.3.5.3 10” Water Reflection

Case ID: u5o2-pl-0025-10

Material: UO2

Weight Fraction U in UO2: 0.88147

Geometry: Plane

Isotopics: 2.5% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

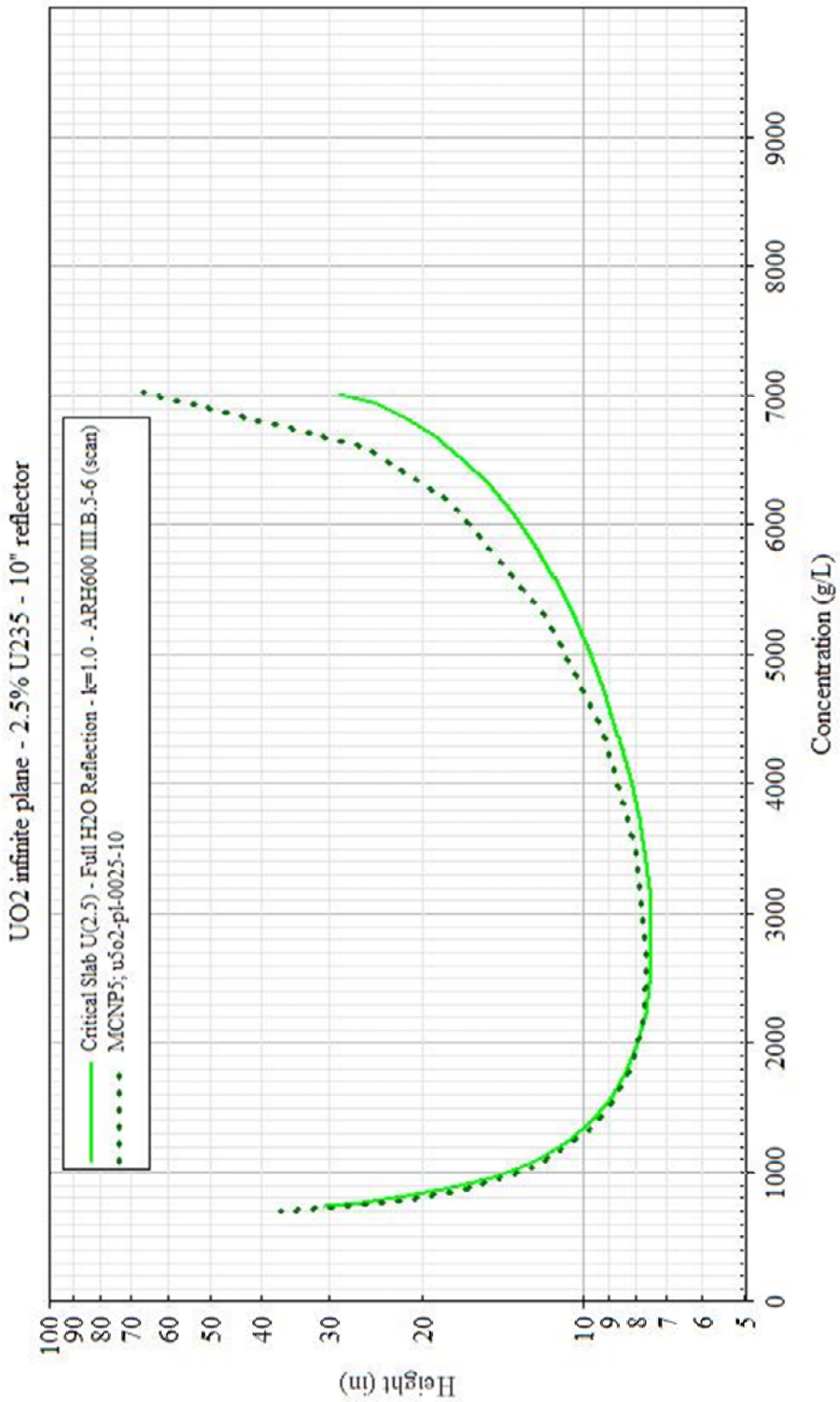

Figure B.3.3.5.3-1. UO_2 Plane - 2.5% ^{235}U – 10" Water Reflection

Table B.3.3.5.3-1. Critical Dimensions for UO_2 Plane - 2.5% ^{235}U – 10" Water Reflection

2.5% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
0.800	0.70518	1.727273	16.00	40.00	1.00	37.0838
0.900	0.79332	1.818182	12.00	22.00	0.50	21.2224
1.000	0.88147	1.909091	10.40	16.80	0.20	16.3561
1.200	1.05776	2.090909	9.00	12.50	0.05	12.2650
1.500	1.32221	2.363636	7.50	10.00	0.10	9.8335
1.700	1.49850	2.545455	7.20	9.20	0.10	9.0040
1.900	1.67479	2.727273	6.60	9.00	0.10	8.5061
2.000	1.76294	2.818182	6.60	8.60	0.10	8.2857
2.100	1.85109	2.909091	6.40	8.40	0.10	8.1185
2.500	2.20368	3.272727	6.00	8.00	0.10	7.7229
3.000	2.64441	3.727273	6.00	8.00	0.10	7.6040
4.000	3.52588	4.636364	6.40	8.20	0.10	7.9956
5.000	4.40735	5.545455	7.20	9.40	0.10	9.1922
6.000	5.28882	6.454545	8.40	12.00	0.20	11.6752
7.000	6.17029	7.363636	11.40	18.40	0.20	17.6194
7.500	6.61103	7.818182	14.00	27.00	0.50	25.5161
8.000	7.05176	8.272727	20.00	74.00	2.00	69.2308

B.3.3.6 1.3% ^{235}U

B.3.3.6.1 0” Water Reflection

Case ID: u5o2-pl-0013-00

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Plane

Isotopics: 1.3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

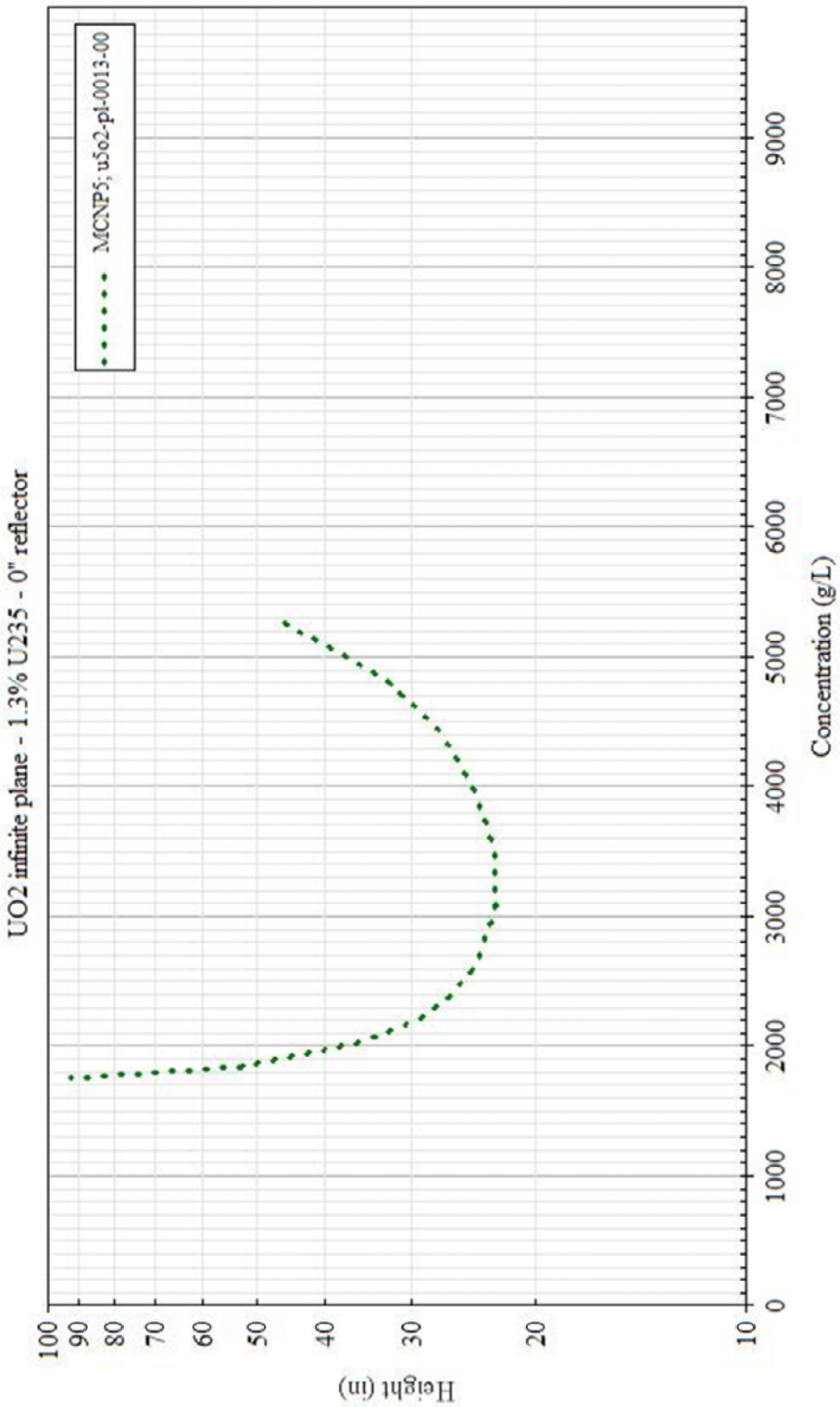

Figure B.3.3.6.1-1. UO_2 Plane - 1.3% ^{235}U – 0" Water Reflection

Table B.3.3.6.1-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 0" Water Reflection

1.3% ^{235}U - UO_2 Plane - 0 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	20.00	100.00	5.00	92.5650
2.100	1.85113	2.909091	20.00	70.00	2.00	52.2544
2.300	2.02743	3.090909	18.00	40.00	1.00	35.7805
2.500	2.20373	3.272727	17.00	30.00	0.50	29.5252
2.700	2.38002	3.454545	17.00	30.00	0.50	26.5000
3.000	2.64447	3.727273	16.00	25.00	0.50	24.1446
3.500	3.08522	4.181818	16.00	24.00	0.50	22.7159
4.000	3.52596	4.636364	16.00	24.00	0.50	22.7946
4.500	3.96671	5.090909	17.00	30.00	0.50	24.2471
5.000	4.40745	5.545455	17.00	30.00	0.50	26.9870
5.500	4.84820	6.000000	20.00	35.00	0.50	32.6925
6.000	5.28894	6.454545	20.00	50.00	1.00	46.3081

B.3.3.6.2 1” Water Reflection

Case ID: u5o2-pl-0013-01

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Plane

Isotopics: 1.3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

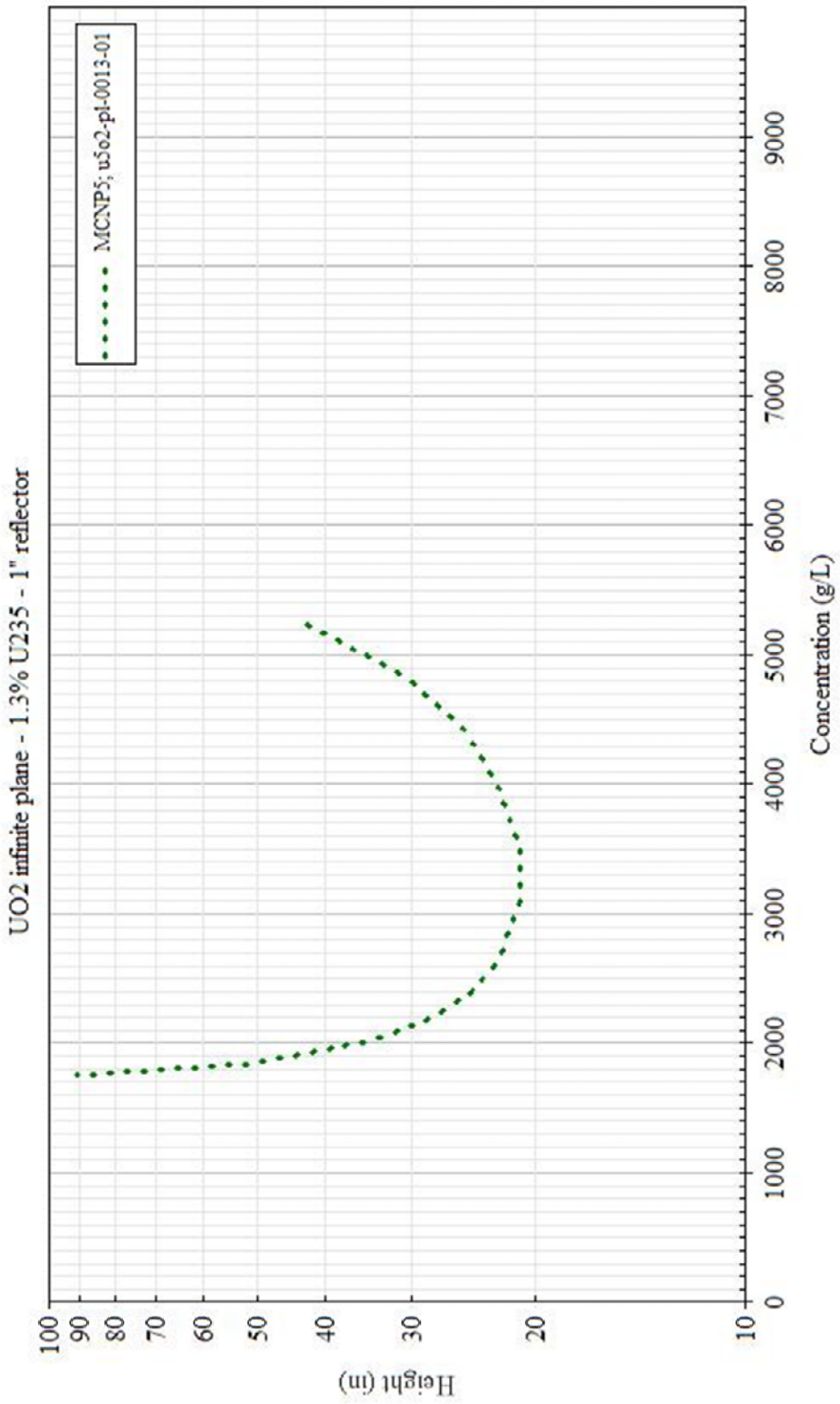

Figure B.3.3.6.2-1. UO_2 Plane - 1.3% ^{235}U – 1" Water Reflection

Table B.3.3.6.2-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 1" Water Reflection

1.3% ^{235}U - UO_2 Plane - 1 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	20.00	120.00	5.00	91.3515
2.100	1.85113	2.909091	20.00	60.00	2.00	51.0066
2.300	2.02743	3.090909	14.00	36.00	1.00	33.9934
2.500	2.20373	3.272727	16.00	30.00	0.50	28.0558
2.700	2.38002	3.454545	12.00	26.00	0.50	24.9042
3.000	2.64447	3.727273	14.00	24.00	0.50	22.5188
3.500	3.08522	4.181818	12.00	22.00	0.50	20.9528
4.000	3.52596	4.636364	14.00	22.00	0.25	20.9806
4.500	3.96671	5.090909	14.00	24.00	0.50	22.4208
5.000	4.40745	5.545455	15.00	26.00	0.50	25.0598
5.500	4.84820	6.000000	15.00	43.00	1.00	30.5764
6.000	5.28894	6.454545	20.00	50.00	1.00	44.0241

B.3.3.6.3 10” Water Reflection

Case ID: u5o2-pl-0013-10

Material: UO2

Weight Fraction U in UO2: 0.88149

Geometry: Plane

Isotopics: 1.3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

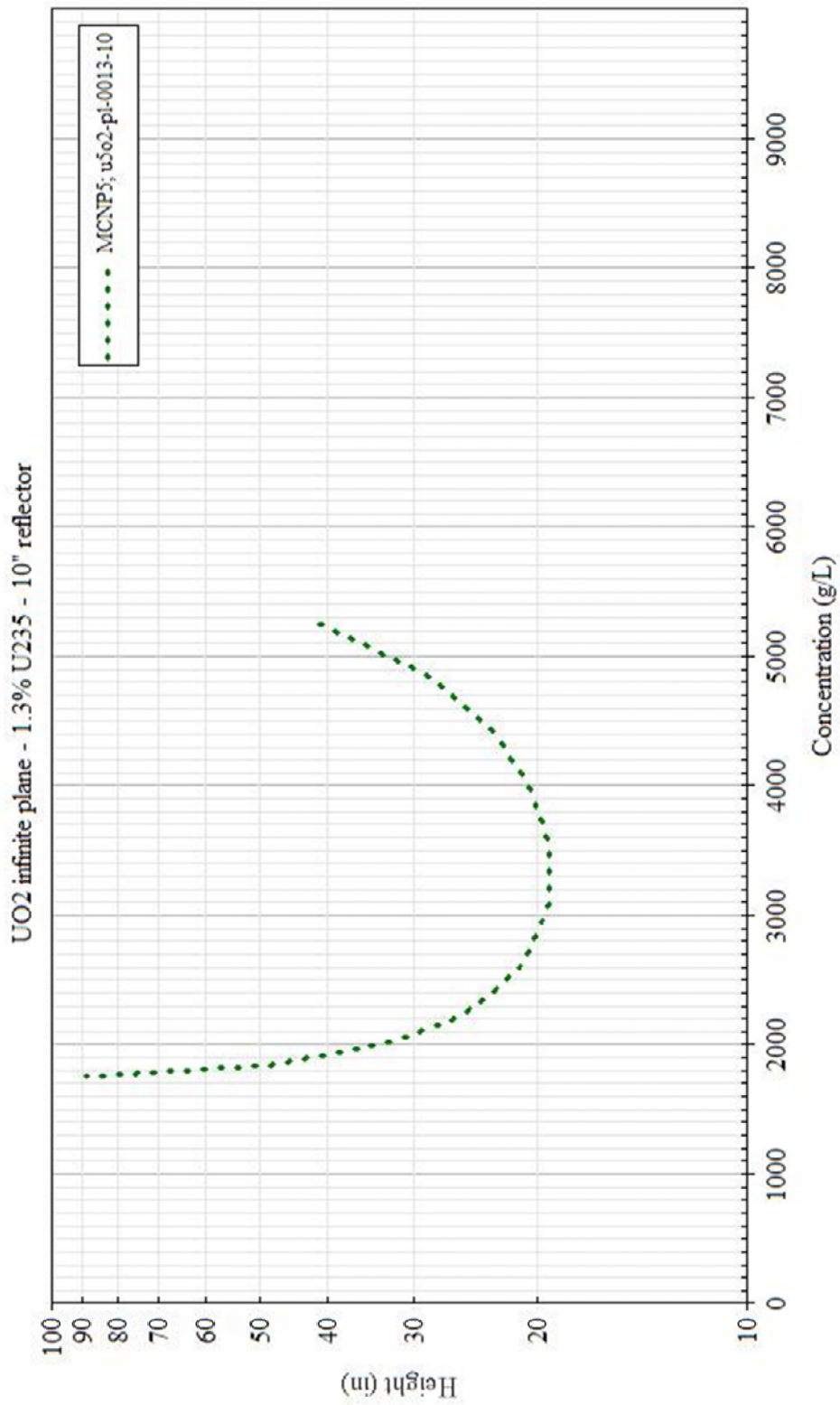

Figure B.3.3.6.3-1. UO_2 Plane - 1.3% ^{235}U – 10" Water Reflection

Table B.3.3.6.3-1. Critical Dimensions for UO_2 Plane - 1.3% ^{235}U – 10" Water Reflection

1.3% ^{235}U - UO_2 Plane - 10 Inch(es) of Reflection						
Fissile Material Conc. (g/cc)	**Fissile Element Conc. (g/cc)**	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
2.000	1.76298	2.818182	20.00	100.00	2.50	89.3750
2.100	1.85113	2.909091	16.00	52.00	2.00	47.8905
2.300	2.02743	3.090909	16.00	36.00	1.00	31.9231
2.500	2.20373	3.272727	14.00	28.00	0.50	26.3273
2.700	2.38002	3.454545	14.00	24.00	0.50	23.3134
3.000	2.64447	3.727273	12.00	22.00	0.50	20.7780
3.500	3.08522	4.181818	12.00	22.00	0.50	19.2123
4.000	3.52596	4.636364	12.00	22.00	0.50	19.1250
4.500	3.96671	5.090909	10.00	22.00	0.50	20.3328
5.000	4.40745	5.545455	14.00	24.00	0.50	22.8404
5.500	4.84820	6.000000	15.00	30.00	0.50	28.2967
6.000	5.28894	6.454545	18.00	48.00	1.00	42.0461

B.4 U-Water Mixture

B.4.1 Sphere

B.4.1.1 1.3% ^{235}U

B.4.1.1.1 0” Water Reflector

Case ID: u5-sp-0013-00

Material: U (Elemental)

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 0” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

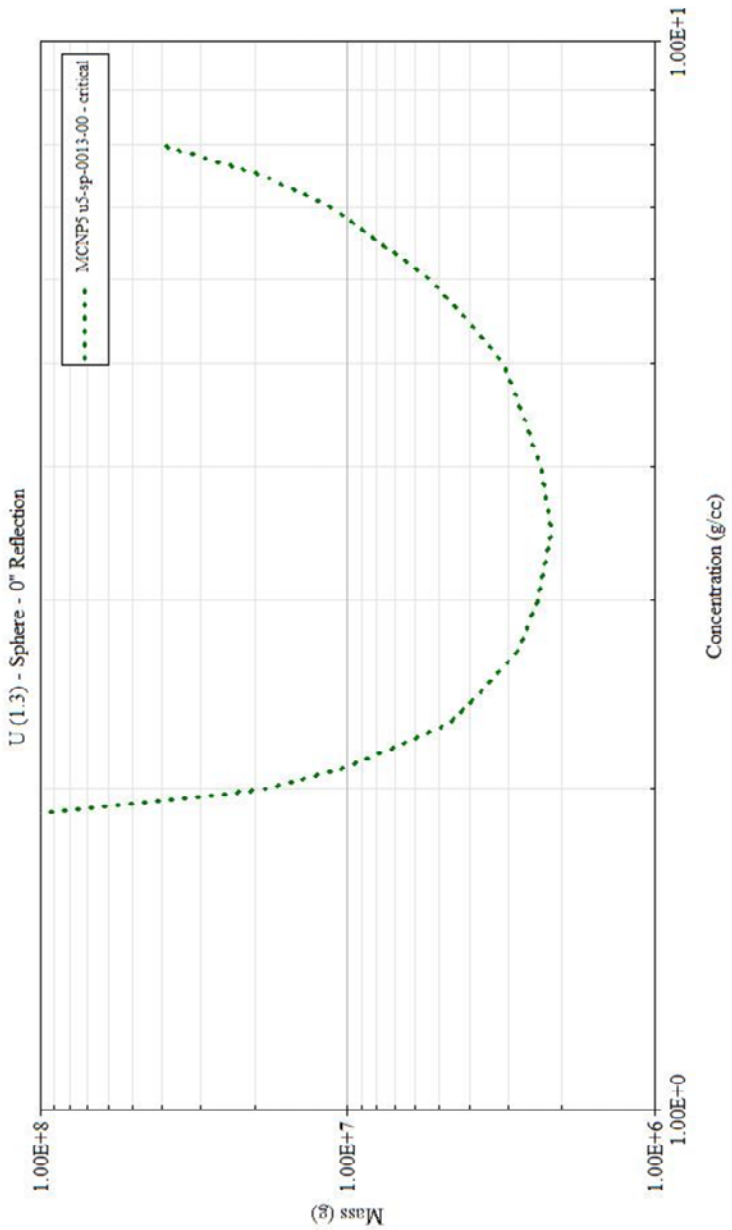

Figure B.4.1.1.1-1. U Sphere - 1.3% ^{235}U – 0" Water Reflection

Table B.4.1.1.1-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 0" Water Reflection

1.3% ^{235}U - U (Elemental) Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
1.900	2.799471	40.00	200.00	5.00	184.1000
2.000	2.894180	40.00	110.00	2.50	102.5234
2.100	2.988889	40.00	84.00	2.00	82.2373
2.300	3.178307	36.00	70.00	1.00	61.8548
2.500	3.367725	35.00	65.00	1.00	54.7433
2.700	3.557143	34.00	54.00	1.00	49.1667
3.000	3.841270	30.00	52.00	1.00	45.2727
3.500	4.314815	30.00	45.00	0.50	41.4451
4.000	4.788360	29.00	43.00	0.50	40.7356
4.500	5.261905	30.00	44.00	0.50	41.1330
5.000	5.735450	30.00	45.00	0.50	41.4947
5.500	6.208995	30.00	50.00	1.00	44.0687
6.000	6.682540	30.00	50.00	1.00	46.8913
7.000	7.629630	30.00	60.00	1.00	56.8239
7.500	8.103175	30.00	70.00	2.00	65.8843
8.000	8.576720	40.00	100.00	2.00	83.3398

B.4.1.1.2 1” Water Reflection

Case ID: u5-sp-0013-01

Material: U (Elemental)

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 1” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

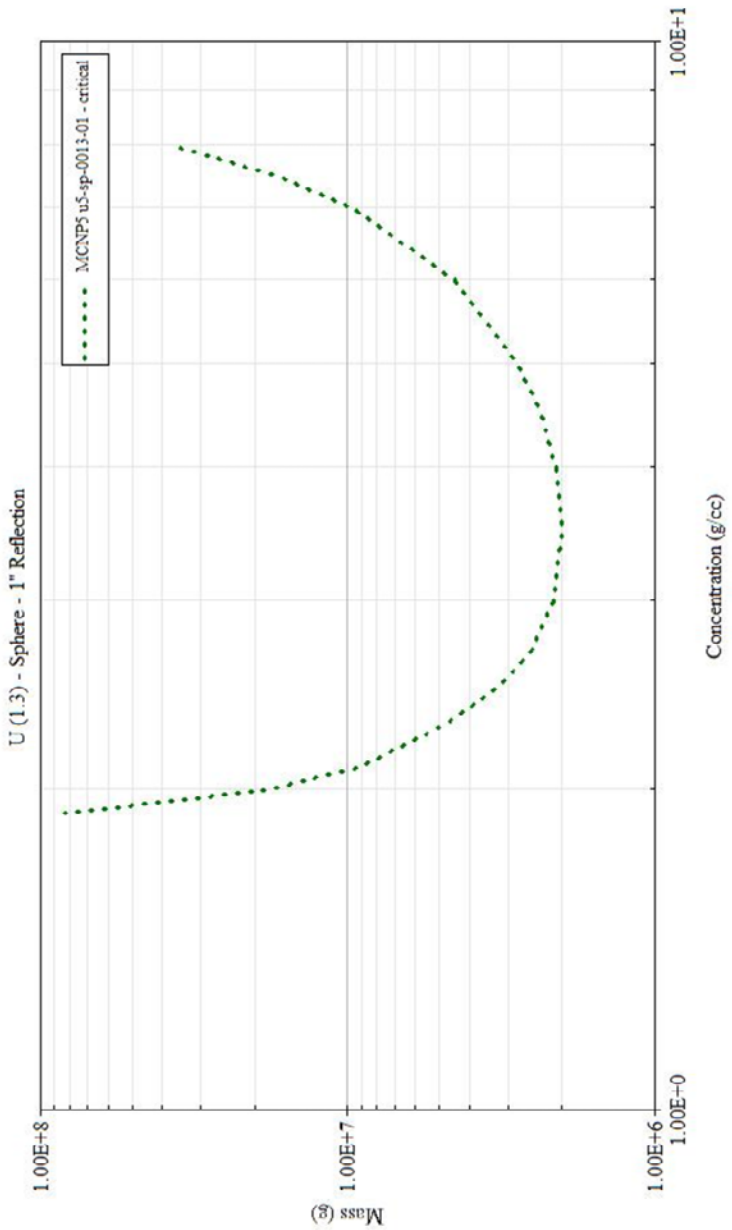

Figure B.4.1.1.2-1. U Sphere - 1.3% ^{235}U – 1" Water Reflection

Table B.4.1.1.2-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 1" Water Reflection

1.3% ^{235}U - U (Elemental) Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
1.900	2.799471	40.00	200.00	5.00	172.0861
2.000	2.894180	40.00	120.00	2.50	101.5418
2.100	2.988889	40.00	90.00	2.00	79.5073
2.300	3.178307	35.00	65.00	1.00	62.2428
2.500	3.367725	33.00	55.00	1.00	52.8788
2.700	3.557143	30.00	54.00	1.00	47.5850
3.000	3.841270	29.00	50.00	1.00	43.5680
3.500	4.314815	28.00	50.00	1.00	40.3643
4.000	4.788360	28.00	42.00	0.50	39.2569
4.500	5.261905	28.00	42.00	0.50	39.1411
5.000	5.735450	28.00	44.00	0.50	40.2129
5.500	6.208995	30.00	46.00	0.50	42.2305
6.000	6.682540	30.00	50.00	1.00	44.2188
7.000	7.629630	30.00	60.00	1.00	54.1782
7.500	8.103175	30.00	70.00	2.00	63.6781
8.000	8.576720	30.00	90.00	2.00	81.1898

B.4.1.1.3 10” Water Reflection

Case ID: u5-sp-0013-10

Material: U (Elemental)

Geometry: Sphere

Isotopics: 1.3% ^{235}U

Reflector: 10” water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

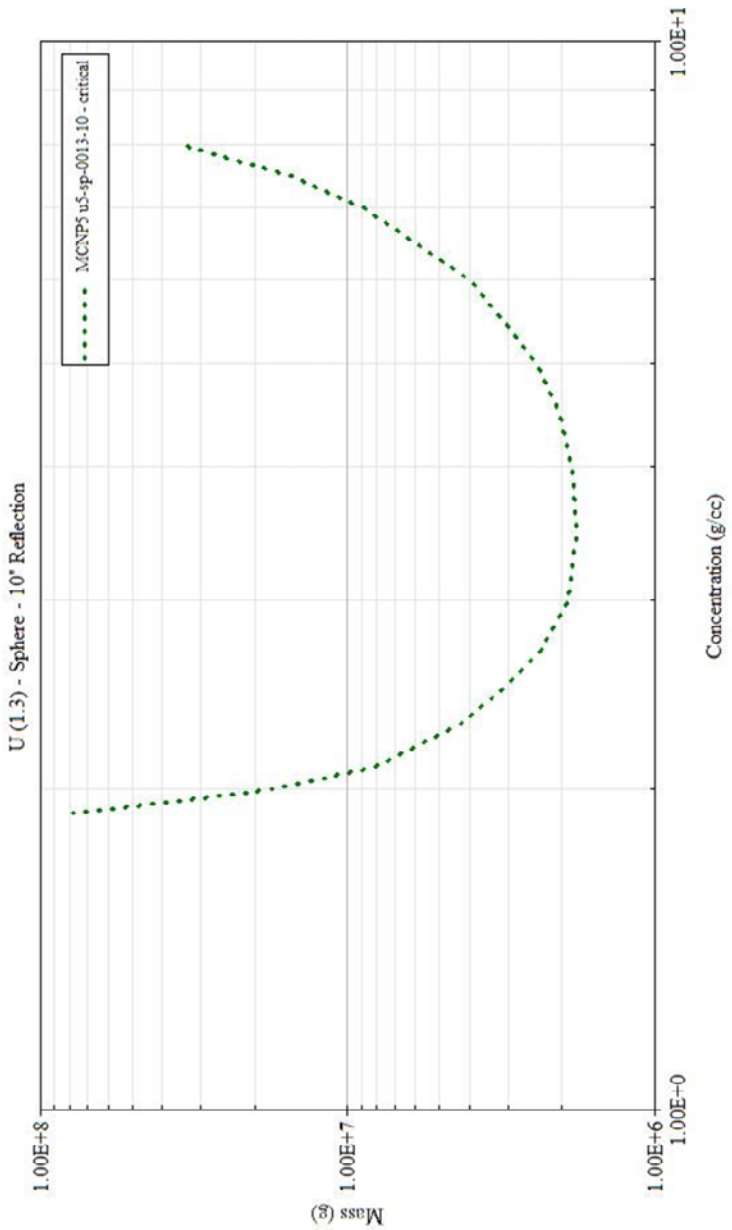

Figure B.4.1.1.3-1. U Sphere - 1.3% ^{235}U – 10" Water Reflection

Table B.4.1.1.3-1. Critical Dimensions for U Sphere - 1.3% ^{235}U – 10" Water Reflection

1.3% ^{235}U - U (Elemental) Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	**Mixture Bulk Density (g/cc)**	**First Diameter (Inches)**	**Last Diameter (Inches)**	**Delta (Inches)**	**Critical Diameter (Inches)**
1.900	2.799471	40.00	200.00	5.00	168.8953
2.000	2.894180	40.00	120.00	2.50	101.1182
2.100	2.988889	35.00	85.00	2.00	76.5032
2.300	3.178307	25.00	65.00	1.00	59.9841
2.500	3.367725	25.00	55.00	1.00	52.0241
2.700	3.557143	30.00	53.00	1.00	46.4452
3.000	3.841270	27.00	51.00	1.00	41.9524
3.500	4.314815	20.00	40.00	1.00	38.9371
4.000	4.788360	25.00	45.00	1.00	37.7847
4.500	5.261905	26.00	40.00	0.50	37.4486
5.000	5.735450	26.00	42.00	0.50	38.2183
5.500	6.208995	20.00	42.00	1.00	40.4239
6.000	6.682540	28.00	46.00	0.50	42.5497
7.000	7.629630	30.00	55.00	1.00	52.5970
7.500	8.103175	30.00	70.00	2.00	61.6110
8.000	8.576720	36.00	90.00	2.00	78.9706

Appendix C

CritView Compatible Data Files

Appendix C
CritView Compatible Data Files

```
!
!MCNP 2012 data, interpolated to provide k=1 values only
!
! begin mcnp 2012
!
! generated by extract.exe
!  mcnp5
reset:
title: MCNP5 pu-icyl-0800-00
reference: MCNP5 pu-icyl-0800-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:20:43 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300    29.80974
  0.01500    23.40806
  0.01800    19.30768
  0.02000    17.77233
  0.02200    16.66105
  0.02400    15.85435
  0.02500    15.49911
  0.02600    15.22962
  0.02800    14.73194
  0.03000    14.33865
  0.03200    14.00737
  0.03600    13.49700
  0.04000    13.10512
  0.04500    12.77565
  0.05000    12.52194
  0.07500    11.90901
  0.10000    11.75721
  0.15000    11.80640
  0.20000    11.93633
  0.35000    12.33590
  0.50000    12.48999
  0.75000    12.33311
  1.00000    11.99022
  1.50000    10.99201
  2.00000    10.10072
  2.50000     9.31181
  3.00000     8.65260
  4.00000     7.61865
  5.00000     6.86776
  6.00000     6.27876
  7.00000     5.80762
  7.50000     5.59566
  8.00000     5.40647
  9.00000     5.06191
 10.00000     4.76113
 15.00000     3.61426
 19.60000     2.86712
reset:
title: MCNP5 pu-icyl-0800-01
reference: MCNP5 pu-icyl-0800-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:20:44 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:     1 in
```

```
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300    28.23463
  0.01500    21.94592
  0.01800    17.77553
  0.02000    16.20615
  0.02200    15.10469
  0.02400    14.31489
  0.02500    13.98899
  0.02600    13.67940
  0.02800    13.17855
  0.03000    12.80131
  0.03200    12.44468
  0.03600    11.95319
  0.04000    11.55610
  0.04500    11.21972
  0.05000    10.95585
  0.07500    10.35787
  0.10000    10.20072
  0.15000    10.17418
  0.20000    10.32888
  0.35000    10.68374
  0.50000    10.80980
  0.75000    10.72851
  1.00000    10.42110
  1.50000     9.52465
  2.00000     8.69298
  2.50000     7.95152
  3.00000     7.36767
  4.00000     6.44160
  5.00000     5.76411
  6.00000     5.24046
  7.00000     4.83091
  7.50000     4.64747
  8.00000     4.47569
  9.00000     4.18727
 10.00000     3.93592
 15.00000     2.99446
 19.60000     2.41609
reset:
title: MCNP5 pu-icyl-0800-10
reference: MCNP5 pu-icyl-0800-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:20:44 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300    27.09601
  0.01500    20.75982
  0.01800    16.54671
  0.02000    14.99293
  0.02200    13.92963
  0.02400    13.09252
  0.02500    12.75910
  0.02600    12.48371
  0.02800    11.96862
  0.03000    11.54906
  0.03200    11.24030
  0.03600    10.68082
  0.04000    10.26115
  0.04500     9.90318
  0.05000     9.62261
  0.07500     8.93861
```

```
  0.10000     8.67489
  0.15000     8.56464
  0.20000     8.59470
  0.35000     8.79619
  0.50000     8.92957
  0.75000     8.81212
  1.00000     8.51162
  1.50000     7.77346
  2.00000     7.05360
  2.50000     6.46306
  3.00000     5.96897
  4.00000     5.21885
  5.00000     4.67469
  6.00000     4.24447
  7.00000     3.91139
  7.50000     3.76729
  8.00000     3.63845
  9.00000     3.39947
 10.00000     3.19484
 15.00000     2.45157
 19.60000     2.00679
reset:
title: MCNP5 pu-icyl-0850-00
reference: MCNP5 pu-icyl-0850-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:20 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    53.38635
  0.01300    24.50227
  0.01500    20.42942
  0.01800    17.37752
  0.02000    16.19859
  0.02200    15.29762
  0.02400    14.62020
  0.02500    14.37538
  0.02600    14.14396
  0.02800    13.71012
  0.03000    13.36992
  0.03200    13.09005
  0.03600    12.65686
  0.04000    12.32727
  0.04500    12.03894
  0.05000    11.81243
  0.07500    11.30293
  0.10000    11.14662
  0.15000    11.14457
  0.20000    11.24517
  0.35000    11.51353
  0.50000    11.58212
  0.75000    11.43747
  1.00000    11.09330
  1.50000    10.26985
  2.00000     9.51586
  2.50000     8.84704
  3.00000     8.25274
  4.00000     7.35456
  5.00000     6.66604
  6.00000     6.11771
  7.00000     5.67451
  7.50000     5.47723
  8.00000     5.29174
  9.00000     4.95760
```

```
 10.00000     4.67268
 15.00000     3.55062
 19.60000     2.82294
reset:
title: MCNP5 pu-icyl-0850-01
reference: MCNP5 pu-icyl-0850-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:20 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    52.08459
  0.01300    22.93957
  0.01500    18.88837
  0.01800    15.81998
  0.02000    14.63616
  0.02200    13.77166
  0.02400    13.13896
  0.02500    12.85658
  0.02600    12.61080
  0.02800    12.19852
  0.03000    11.83663
  0.03200    11.56525
  0.03600    11.12941
  0.04000    10.80345
  0.04500    10.49186
  0.05000    10.28084
  0.07500     9.73474
  0.10000     9.55232
  0.15000     9.55298
  0.20000     9.62764
  0.35000     9.88191
  0.50000     9.97374
  0.75000     9.84436
  1.00000     9.56048
  1.50000     8.81993
  2.00000     8.12011
  2.50000     7.51017
  3.00000     6.99232
  4.00000     6.16801
  5.00000     5.56107
  6.00000     5.08084
  7.00000     4.69481
  7.50000     4.52366
  8.00000     4.36277
  9.00000     4.08634
 10.00000     3.84469
 15.00000     2.93337
 19.60000     2.37206
reset:
title: MCNP5 pu-icyl-0850-10
reference: MCNP5 pu-icyl-0850-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:21 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
```

```
  0.01000    50.34092
  0.01300    21.80978
  0.01500    17.75058
  0.01800    14.69047
  0.02000    13.49176
  0.02200    12.58469
  0.02400    11.94055
  0.02500    11.64453
  0.02600    11.37947
  0.02800    10.98078
  0.03000    10.62726
  0.03200    10.33448
  0.03600     9.87162
  0.04000     9.52100
  0.04500     9.20306
  0.05000     8.95596
  0.07500     8.32828
  0.10000     8.10061
  0.15000     7.96393
  0.20000     7.96563
  0.35000     8.08849
  0.50000     8.12354
  0.75000     7.97979
  1.00000     7.73659
  1.50000     7.12632
  2.00000     6.53625
  2.50000     6.04512
  3.00000     5.62337
  4.00000     4.96560
  5.00000     4.47040
  6.00000     4.08990
  7.00000     3.78363
  7.50000     3.65015
  8.00000     3.52224
  9.00000     3.29332
 10.00000     3.09793
 15.00000     2.39269
 19.60000     1.96271
reset:
title: MCNP5 pu-icyl-0900-00
reference: MCNP5 pu-icyl-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    35.20242
  0.01300    21.22991
  0.01500    18.28056
  0.01800    15.92202
  0.02000    14.94678
  0.02200    14.18337
  0.02400    13.65721
  0.02500    13.43244
  0.02600    13.21134
  0.02800    12.86742
  0.03000    12.59084
  0.03200    12.32691
  0.03600    11.94869
  0.04000    11.67332
  0.04500    11.36679
  0.05000    11.20170
  0.07500    10.71345
  0.10000    10.56212
```

```
  0.15000    10.53679
  0.20000    10.58653
  0.35000    10.74580
  0.50000    10.74900
  0.75000    10.58016
  1.00000    10.30713
  1.50000     9.61090
  2.00000     8.96322
  2.50000     8.39909
  3.00000     7.90227
  4.00000     7.08749
  5.00000     6.46916
  6.00000     5.96410
  7.00000     5.54000
  7.50000     5.35693
  8.00000     5.18438
  9.00000     4.86607
 10.00000     4.58458
 15.00000     3.49118
 19.60000     2.77859
reset:
title: MCNP5 pu-icyl-0900-01
reference: MCNP5 pu-icyl-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    33.6766
  0.01300    19.75711
  0.01500    16.73866
  0.01800    14.39836
  0.02000    13.40904
  0.02200    12.68515
  0.02400    12.13620
  0.02500    11.90869
  0.02600    11.68965
  0.02800    11.33486
  0.03000    11.06185
  0.03200    10.79487
  0.03600    10.41868
  0.04000    10.11354
  0.04500     9.84314
  0.05000     9.65705
  0.07500     9.14801
  0.10000     8.98232
  0.15000     8.93476
  0.20000     8.98197
  0.35000     9.12825
  0.50000     9.14724
  0.75000     9.02102
  1.00000     8.75778
  1.50000     8.15814
  2.00000     7.56880
  2.50000     7.06613
  3.00000     6.61532
  4.00000     5.90633
  5.00000     5.35331
  6.00000     4.92029
  7.00000     4.55804
  7.50000     4.40251
  8.00000     4.25007
  9.00000     3.98600
 10.00000     3.75373
```

```
 15.00000     2.87640
 19.60000     2.33066
reset:
title: MCNP5 pu-icyl-0900-10
reference: MCNP5 pu-icyl-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    32.59957
  0.01300    18.60606
  0.01500    15.63342
  0.01800    13.26476
  0.02000    12.23154
  0.02200    11.52127
  0.02400    10.94497
  0.02500    10.73113
  0.02600    10.51031
  0.02800    10.13401
  0.03000     9.85209
  0.03200     9.58179
  0.03600     9.17717
  0.04000     8.87786
  0.04500     8.57083
  0.05000     8.34512
  0.07500     7.77028
  0.10000     7.55468
  0.15000     7.40610
  0.20000     7.37946
  0.35000     7.41681
  0.50000     7.40019
  0.75000     7.25553
  1.00000     7.03894
  1.50000     6.54067
  2.00000     6.06265
  2.50000     5.63940
  3.00000     5.28773
  4.00000     4.71601
  5.00000     4.28638
  6.00000     3.93587
  7.00000     3.64891
  7.50000     3.52134
  8.00000     3.41213
  9.00000     3.19875
 10.00000     3.01231
 15.00000     2.33502
 19.60000     1.92306
reset:
title: MCNP5 pu-pl-0800-00
reference: MCNP5 pu-pl-0800-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:31:08 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01100    34.87555
```

```
  0.01200    23.24473
  0.01500    14.61486
  0.02000    10.91747
  0.02500     9.47793
  0.03000     8.71575
  0.04000     7.93362
  0.05000     7.53389
  0.07500     7.14356
  0.10000     7.03736
  0.15000     7.03516
  0.20000     7.12112
  0.35000     7.34048
  0.50000     7.44436
  0.75000     7.35649
  1.00000     7.11302
  1.50000     6.48185
  2.00000     5.89565
  2.50000     5.40508
  3.00000     4.98891
  4.00000     4.34649
  5.00000     3.87992
  7.50000     3.08609
 10.00000     2.56648
 15.00000     1.86426
 19.60000     1.42317
reset:
title: MCNP5 pu-pl-0800-01
reference: MCNP5 pu-pl-0800-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:31:08 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01100    33.20617
  0.01200    21.73801
  0.01500    13.08410
  0.02000     9.38128
  0.02500     7.95491
  0.03000     7.17000
  0.04000     6.34856
  0.05000     5.95100
  0.07500     5.54401
  0.10000     5.42678
  0.15000     5.39712
  0.20000     5.47354
  0.35000     5.70334
  0.50000     5.76955
  0.75000     5.69782
  1.00000     5.50338
  1.50000     4.94871
  2.00000     4.43797
  2.50000     4.01448
  3.00000     3.65426
  4.00000     3.10219
  5.00000     2.70495
  7.50000     2.06130
 10.00000     1.65624
 15.00000     1.16264
 19.60000     0.89191
reset:
title: MCNP5 pu-pl-0800-10
reference: MCNP5 pu-pl-0800-10
set: MCNP5 set
source: MCNP5 2012
```

```
created: Thu Jul 19 15:31:09 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01100    32.37426
  0.01200    20.56316
  0.01500    11.91615
  0.02000     8.16905
  0.02500     6.69960
  0.03000     5.91128
  0.04000     5.05271
  0.05000     4.61037
  0.07500     4.09377
  0.10000     3.89130
  0.15000     3.75530
  0.20000     3.73425
  0.35000     3.78431
  0.50000     3.81030
  0.75000     3.72279
  1.00000     3.54907
  1.50000     3.13114
  2.00000     2.75249
  2.50000     2.43737
  3.00000     2.17746
  4.00000     1.80093
  5.00000     1.52950
  7.50000     1.10264
 10.00000     0.85666
 15.00000     0.57752
 19.60000     0.43745
reset:
title: MCNP5 pu-pl-0850-00
reference: MCNP5 pu-pl-0850-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:32 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    33.85026
  0.01100    22.15574
  0.01200    17.71235
  0.01500    12.67143
  0.02000     9.91273
  0.02500     8.74347
  0.03000     8.11286
  0.04000     7.42401
  0.05000     7.09060
  0.07500     6.74342
  0.10000     6.63891
  0.15000     6.64290
  0.20000     6.69332
  0.35000     6.83640
  0.50000     6.87919
  0.75000     6.77956
  1.00000     6.56238
  1.50000     6.04485
  2.00000     5.54479
  2.50000     5.11922
```

```
  3.00000     4.75653
  4.00000     4.18394
  5.00000     3.74898
  7.50000     3.01032
 10.00000     2.51293
 15.00000     1.82746
 19.60000     1.39715
reset:
title: MCNP5 pu-pl-0850-01
reference: MCNP5 pu-pl-0850-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:33 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    32.68444
  0.01100    20.61441
  0.01200    16.20094
  0.01500    11.14412
  0.02000     8.35976
  0.02500     7.21324
  0.03000     6.55760
  0.04000     5.87505
  0.05000     5.52759
  0.07500     5.15957
  0.10000     5.04123
  0.15000     5.00385
  0.20000     5.03987
  0.35000     5.19003
  0.50000     5.22437
  0.75000     5.15136
  1.00000     4.97941
  1.50000     4.52551
  2.00000     4.09807
  2.50000     3.72815
  3.00000     3.42307
  4.00000     2.94110
  5.00000     2.57684
  7.50000     1.97953
 10.00000     1.59884
 15.00000     1.12972
 19.60000     0.86646
reset:
title: MCNP5 pu-pl-0850-10
reference: MCNP5 pu-pl-0850-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:33 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    31.19810
  0.01100    19.45726
  0.01200    15.04148
  0.01500     9.97440
  0.02000     7.18832
  0.02500     5.99866
  0.03000     5.32393
```

```
  0.04000     4.58129
  0.05000     4.19346
  0.07500     3.72602
  0.10000     3.53385
  0.15000     3.38922
  0.20000     3.35219
  0.35000     3.34268
  0.50000     3.33704
  0.75000     3.24111
  1.00000     3.08550
  1.50000     2.75696
  2.00000     2.44495
  2.50000     2.18500
  3.00000     1.97662
  4.00000     1.64916
  5.00000     1.41030
  7.50000     1.02746
 10.00000     0.80045
 15.00000     0.54174
 19.60000     0.41263
reset:
title: MCNP5 pu-pl-0900-00
reference: MCNP5 pu-pl-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:14 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    22.24336
  0.01100    17.38900
  0.01200    14.78101
  0.01500    11.29692
  0.02000     9.12404
  0.02500     8.15085
  0.03000     7.60226
  0.04000     7.00756
  0.05000     6.70070
  0.07500     6.37623
  0.10000     6.27035
  0.15000     6.23515
  0.20000     6.27713
  0.35000     6.36208
  0.50000     6.34537
  0.75000     6.24069
  1.00000     6.05278
  1.50000     5.61083
  2.00000     5.20131
  2.50000     4.83211
  3.00000     4.52535
  4.00000     4.02326
  5.00000     3.62682
  7.50000     2.93309
 10.00000     2.45886
 15.00000     1.79198
 19.60000     1.37238
reset:
title: MCNP5 pu-pl-0900-01
reference: MCNP5 pu-pl-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:15 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
```

```
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    20.71453
  0.01100    15.79315
  0.01200    13.28083
  0.01500     9.76182
  0.02000     7.58105
  0.02500     6.60541
  0.03000     6.05137
  0.04000     5.45398
  0.05000     5.12677
  0.07500     4.78574
  0.10000     4.67764
  0.15000     4.62956
  0.20000     4.64381
  0.35000     4.72112
  0.50000     4.72809
  0.75000     4.64412
  1.00000     4.48376
  1.50000     4.11283
  2.00000     3.75591
  2.50000     3.45282
  3.00000     3.19077
  4.00000     2.76743
  5.00000     2.44935
  7.50000     1.90252
 10.00000     1.54446
 15.00000     1.09461
 19.60000     0.84268
reset:
title: MCNP5 pu-pl-0900-10
reference: MCNP5 pu-pl-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:15 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    19.61757
  0.01100    14.63091
  0.01200    12.12507
  0.01500     8.62353
  0.02000     6.41306
  0.02500     5.42168
  0.03000     4.82978
  0.04000     4.17874
  0.05000     3.82970
  0.07500     3.40114
  0.10000     3.20498
  0.15000     3.05202
  0.20000     2.99993
  0.35000     2.95437
  0.50000     2.90729
  0.75000     2.82185
  1.00000     2.68528
  1.50000     2.41024
  2.00000     2.15812
  2.50000     1.95345
  3.00000     1.77901
  4.00000     1.50300
  5.00000     1.29393
```

```
  7.50000     0.95366
 10.00000     0.74631
 15.00000     0.51019
 19.60000     0.38768
reset:
title: MCNP5 pu-sp-0800-00
reference: MCNP5 pu-sp-0800-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:29 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300    39.63991
  0.01500    31.26109
  0.01800    25.84610
  0.02000    23.82292
  0.02200    22.37240
  0.02400    21.32274
  0.02500    20.90799
  0.02600    20.46797
  0.02800    19.85578
  0.03000    19.34407
  0.03200    18.92260
  0.03600    18.22523
  0.04000    17.70767
  0.04500    17.30286
  0.05000    16.92602
  0.07500    16.19044
  0.10000    15.99300
  0.15000    16.04585
  0.20000    16.24596
  0.35000    16.76204
  0.50000    16.97257
  0.75000    16.76422
  1.00000    16.28149
  1.50000    15.04018
  2.00000    13.84421
  2.50000    12.78921
  3.00000    11.92049
  4.00000    10.55829
  5.00000     9.54573
  6.00000     8.76371
  7.00000     8.12693
  7.50000     7.84247
  8.00000     7.59373
  9.00000     7.13594
 10.00000     6.73071
 15.00000     5.18588
 19.60000     4.16854
reset:
title: MCNP5 pu-sp-0800-01
reference: MCNP5 pu-sp-0800-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:29 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
```

```
  0.01300    38.17939
  0.01500    29.66321
  0.01800    24.24138
  0.02000    22.24322
  0.02200    20.81616
  0.02400    19.76781
  0.02500    19.31574
  0.02600    18.95469
  0.02800    18.31202
  0.03000    17.78064
  0.03200    17.34455
  0.03600    16.66587
  0.04000    16.16527
  0.04500    15.74911
  0.05000    15.39596
  0.07500    14.61186
  0.10000    14.39452
  0.15000    14.42034
  0.20000    14.61312
  0.35000    15.11029
  0.50000    15.31318
  0.75000    15.19525
  1.00000    14.77087
  1.50000    13.55168
  2.00000    12.42938
  2.50000    11.47167
  3.00000    10.64450
  4.00000     9.39219
  5.00000     8.49686
  6.00000     7.76960
  7.00000     7.19599
  7.50000     6.94882
  8.00000     6.71452
  9.00000     6.30846
 10.00000     5.95103
 15.00000     4.62126
 19.60000     3.77621
reset:
title: MCNP5 pu-sp-0800-10
reference: MCNP5 pu-sp-0800-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:30 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300    36.92308
  0.01500    28.63718
  0.01800    23.10222
  0.02000    21.04903
  0.02200    19.64364
  0.02400    18.56642
  0.02500    18.18796
  0.02600    17.74770
  0.02800    17.07808
  0.03000    16.58880
  0.03200    16.12022
  0.03600    15.42857
  0.04000    14.90533
  0.04500    14.43273
  0.05000    14.06149
  0.07500    13.20097
  0.10000    12.92155
  0.15000    12.81432
  0.20000    12.93569
```

```
  0.35000    13.31596
  0.50000    13.45249
  0.75000    13.29718
  1.00000    12.88563
  1.50000    11.85767
  2.00000    10.85298
  2.50000    10.00942
  3.00000     9.33034
  4.00000     8.24274
  5.00000     7.44975
  6.00000     6.83970
  7.00000     6.34507
  7.50000     6.13352
  8.00000     5.93772
  9.00000     5.59248
 10.00000     5.28586
 15.00000     4.15402
 19.60000     3.43831
reset:
title: MCNP5 pu-sp-0850-00
reference: MCNP5 pu-sp-0850-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:39 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    70.14702
  0.01300    32.66236
  0.01500    27.29520
  0.01800    23.28435
  0.02000    21.71229
  0.02200    20.56427
  0.02400    19.70288
  0.02500    19.40919
  0.02600    19.03189
  0.02800    18.50057
  0.03000    18.06633
  0.03200    17.68403
  0.03600    17.12580
  0.04000    16.68668
  0.04500    16.32700
  0.05000    16.02313
  0.07500    15.34697
  0.10000    15.14793
  0.15000    15.14924
  0.20000    15.30079
  0.35000    15.64277
  0.50000    15.77610
  0.75000    15.60238
  1.00000    15.13494
  1.50000    14.07723
  2.00000    13.05399
  2.50000    12.17546
  3.00000    11.39625
  4.00000    10.20133
  5.00000     9.27716
  6.00000     8.54596
  7.00000     7.95258
  7.50000     7.69209
  8.00000     7.43944
  9.00000     6.99513
 10.00000     6.61361
 15.00000     5.10787
 19.60000     4.11057
```

```
reset:
title: MCNP5 pu-sp-0850-01
reference: MCNP5 pu-sp-0850-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:40 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    68.76865
  0.01300    31.12172
  0.01500    25.72084
  0.01800    21.80595
  0.02000    20.17627
  0.02200    19.07987
  0.02400    18.21700
  0.02500    17.83464
  0.02600    17.53272
  0.02800    16.95868
  0.03000    16.52634
  0.03200    16.19753
  0.03600    15.58296
  0.04000    15.14618
  0.04500    14.81972
  0.05000    14.47421
  0.07500    13.78023
  0.10000    13.59067
  0.15000    13.56917
  0.20000    13.70230
  0.35000    14.06197
  0.50000    14.16184
  0.75000    14.01966
  1.00000    13.61256
  1.50000    12.60221
  2.00000    11.67191
  2.50000    10.84708
  3.00000    10.15393
  4.00000     9.04921
  5.00000     8.20269
  6.00000     7.54547
  7.00000     7.01308
  7.50000     6.77681
  8.00000     6.56613
  9.00000     6.17492
 10.00000     5.82668
 15.00000     4.54338
 19.60000     3.71477
reset:
title: MCNP5 pu-sp-0850-10
reference: MCNP5 pu-sp-0850-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:40 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    67.77274
  0.01300    30.07209
  0.01500    24.59040
```

```
  0.01800    20.61863
  0.02000    19.02609
  0.02200    17.88607
  0.02400    17.02950
  0.02500    16.66711
  0.02600    16.35369
  0.02800    15.78925
  0.03000    15.31570
  0.03200    14.93540
  0.03600    14.38219
  0.04000    13.91037
  0.04500    13.50272
  0.05000    13.18544
  0.07500    12.40000
  0.10000    12.12986
  0.15000    12.01347
  0.20000    12.05969
  0.35000    12.25222
  0.50000    12.36930
  0.75000    12.20187
  1.00000    11.85394
  1.50000    10.96025
  2.00000    10.15351
  2.50000     9.45534
  3.00000     8.83695
  4.00000     7.89506
  5.00000     7.19211
  6.00000     6.63054
  7.00000     6.17801
  7.50000     5.97414
  8.00000     5.79050
  9.00000     5.45193
 10.00000     5.16631
 15.00000     4.07140
 19.60000     3.38219
reset:
title: MCNP5 pu-sp-0900-00
reference: MCNP5 pu-sp-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    46.53444
  0.01300    28.38925
  0.01500    24.53542
  0.01800    21.39500
  0.02000    20.09351
  0.02200    19.15469
  0.02400    18.43292
  0.02500    18.12308
  0.02600    17.81754
  0.02800    17.36757
  0.03000    16.98972
  0.03200    16.69286
  0.03600    16.17098
  0.04000    15.79555
  0.04500    15.44106
  0.05000    15.21004
  0.07500    14.54955
  0.10000    14.38436
  0.15000    14.37798
  0.20000    14.40797
  0.35000    14.63548
```

```
  0.50000    14.70074
  0.75000    14.45726
  1.00000    14.07197
  1.50000    13.18724
  2.00000    12.32440
  2.50000    11.54640
  3.00000    10.92314
  4.00000     9.84414
  5.00000     9.00967
  6.00000     8.32860
  7.00000     7.77186
  7.50000     7.52071
  8.00000     7.28879
  9.00000     6.87096
 10.00000     6.49903
 15.00000     5.02549
 19.60000     4.05172
reset:
title: MCNP5 pu-sp-0900-01
reference: MCNP5 pu-sp-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    44.98222
  0.01300    26.84643
  0.01500    22.98913
  0.01800    19.84512
  0.02000    18.59911
  0.02200    17.63726
  0.02400    16.92228
  0.02500    16.64347
  0.02600    16.31641
  0.02800    15.85052
  0.03000    15.46577
  0.03200    15.16126
  0.03600    14.63996
  0.04000    14.28846
  0.04500    13.91282
  0.05000    13.65361
  0.07500    13.00025
  0.10000    12.81170
  0.15000    12.76313
  0.20000    12.83970
  0.35000    13.04872
  0.50000    13.08440
  0.75000    12.89180
  1.00000    12.56231
  1.50000    11.73451
  2.00000    10.97307
  2.50000    10.26097
  3.00000     9.67110
  4.00000     8.68804
  5.00000     7.92819
  6.00000     7.34092
  7.00000     6.83039
  7.50000     6.62270
  8.00000     6.40983
  9.00000     6.03826
 10.00000     5.71241
 15.00000     4.45918
 19.60000     3.66255
reset:
```

```
title: MCNP5 pu-sp-0900-10
reference: MCNP5 pu-sp-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    44.10576
  0.01300    25.78350
  0.01500    21.88444
  0.01800    18.76527
  0.02000    17.43509
  0.02200    16.45492
  0.02400    15.74661
  0.02500    15.46332
  0.02600    15.16964
  0.02800    14.70305
  0.03000    14.28520
  0.03200    13.97000
  0.03600    13.41102
  0.04000    13.03295
  0.04500    12.67083
  0.05000    12.39981
  0.07500    11.66054
  0.10000    11.39351
  0.15000    11.24395
  0.20000    11.25430
  0.35000    11.35131
  0.50000    11.37372
  0.75000    11.20113
  1.00000    10.86955
  1.50000    10.16317
  2.00000     9.50389
  2.50000     8.90823
  3.00000     8.39254
  4.00000     7.55929
  5.00000     6.93532
  6.00000     6.42358
  7.00000     6.00246
  7.50000     5.80682
  8.00000     5.64865
  9.00000     5.32335
 10.00000     5.05178
 15.00000     4.00177
 19.60000     3.32852
reset:
title: MCNP5 u5o2-sp-0013-00
reference: MCNP5 u5o2-sp-0013-00
set: MCNP5 set
source: MCNP5 primary
created: Tue Sep 18 07:56:59 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 164.70096
1.85113 106.61614
2.02743 73.76248
2.20373 61.35424
```

```
2.38002 55.69356
2.64447 50.30401
3.08522 47.34614
3.52596 47.72062
3.96671 50.24627
4.40745 56.44443
4.84820 66.97571
5.28894 97.64510
reset:
title: MCNP5 u5o2-sp-0013-01
reference: MCNP5 u5o2-sp-0013-01
set: MCNP5 set
source: MCNP5 primary
created: Tue Sep 18 07:57:00 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 176.07147
1.85113 100.96270
2.02743 69.81750
2.20373 60.14957
2.38002 53.58979
2.64447 48.77191
3.08522 45.38754
3.52596 45.64935
3.96671 48.61695
4.40745 54.19748
4.84820 64.62858
5.28894 93.61111
reset:
title: MCNP5 u5o2-sp-0013-10
reference: MCNP5 u5o2-sp-0013-10
set: MCNP5 set
source: MCNP5 primary
created: Tue Sep 18 07:57:00 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 187.18756
1.85113 103.51804
2.02743 71.20897
2.20373 56.81763
2.38002 51.64961
2.64447 47.07087
3.08522 44.42649
3.52596 44.51389
3.96671 46.47540
4.40745 52.32954
4.84820 63.51431
5.28894 93.09525
reset:
title: MCNP5 u5o2-icyl-0013-00
reference: MCNP5 u5o2-icyl-0013-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:39:44 2012
geometry: infcyl
modmat: h2o
critmat: UO2
```

```
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 129.96236
1.85113 82.07787
2.02743 56.16816
2.20373 46.48894
2.38002 41.57032
2.64447 37.98650
3.08522 35.75774
3.52596 36.14687
3.96671 38.16728
4.40745 42.49515
4.84820 50.95908
5.28894 73.39534
reset:
title: MCNP5 u5o2-icyl-0013-01
reference: MCNP5 u5o2-icyl-0013-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:39:45 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 138.67648
1.85113 80.82191
2.02743 54.18024
2.20373 44.29034
2.38002 40.17500
2.64447 36.54882
3.08522 33.98254
3.52596 34.30099
3.96671 36.24406
4.40745 40.53788
4.84820 49.03481
5.28894 71.02107
reset:
title: MCNP5 u5o2-icyl-0013-10
reference: MCNP5 u5o2-icyl-0013-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:39:45 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
1.76298 134.64279
1.85113 79.17585
2.02743 52.19252
2.20373 43.33076
2.38002 38.60791
2.64447 34.85956
3.08522 31.97252
3.52596 32.57013
3.96671 34.37897
4.40745 38.54507
4.84820 46.35874
```

```
5.28894 67.00842
reset:
title: MCNP5 u5o2-icyl-0025-00
reference: MCNP5 u5o2-icyl-0025-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:40:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.70518 62.18463
0.79332 37.99142
0.88147 30.38421
1.05776 24.37744
1.32221 20.70036
1.49850 19.53285
1.67479 18.80992
1.76294 18.55479
1.85109 18.35058
2.20368 17.92140
2.64441 17.98556
3.52588 19.06516
4.40735 21.50483
5.28882 26.08858
6.17029 36.06952
6.61103 49.28650
7.05176 124.02617
reset:
title: MCNP5 u5o2-icyl-0025-01
reference: MCNP5 u5o2-icyl-0025-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:40:47 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.70518 60.48802
0.79332 36.37122
0.88147 28.94127
1.05776 22.76969
1.32221 19.10492
1.49850 17.89498
1.67479 17.16703
1.76294 16.91160
1.85109 16.64186
2.20368 16.20863
2.64441 16.22066
3.52588 17.17933
4.40735 19.60774
5.28882 23.97141
6.17029 34.16537
6.61103 47.11351
7.05176 115.83347
reset:
title: MCNP5 u5o2-icyl-0025-10
reference: MCNP5 u5o2-icyl-0025-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:40:47 2012
```

```
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.70518 58.92733
0.79332 35.12013
0.88147 27.81568
1.05776 21.40678
1.32221 17.68482
1.49850 16.45423
1.67479 15.69890
1.76294 15.40049
1.85109 15.14459
2.20368 14.63017
2.64441 14.50972
3.52588 15.28139
4.40735 17.29020
5.28882 21.37854
6.17029 30.94680
6.61103 43.54652
7.05176 112.17603
reset:
title: MCNP5 u5o2-icyl-0030-00
reference: MCNP5 u5o2-icyl-0030-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:44:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.57296 52.90644
0.70518 29.10182
0.79332 24.91401
0.88147 22.39754
1.05776 19.54626
1.32221 17.68596
1.49850 17.08689
1.67479 16.64794
1.76294 16.49863
1.85109 16.42640
2.20368 16.20983
2.64441 16.39698
3.52588 17.58784
4.40735 19.77283
5.28882 23.64555
6.17029 31.26123
6.61103 39.09934
7.05176 58.38044
reset:
title: MCNP5 u5o2-icyl-0030-01
reference: MCNP5 u5o2-icyl-0030-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:44:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:     1 in
```

```
keff: 1.0
var: critconc g/cc
var: diameter in
0.57296 51.59723
0.70518 27.64526
0.79332 23.25037
0.88147 20.77984
1.05776 18.02640
1.32221 16.10108
1.49850 15.40426
1.67479 15.01714
1.76294 14.83333
1.85109 14.69777
2.20368 14.51543
2.64441 14.66537
3.52588 15.77473
4.40735 17.89960
5.28882 21.65729
6.17029 29.10148
6.61103 36.86686
7.05176 55.60078
reset:
title: MCNP5 u5o2-icyl-0030-10
reference: MCNP5 u5o2-icyl-0030-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:44:47 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.57296 50.09356
0.70518 26.34936
0.79332 21.92238
0.88147 19.44931
1.05776 16.67667
1.32221 14.68481
1.49850 13.94669
1.67479 13.46577
1.76294 13.29670
1.85109 13.17328
2.20368 12.93473
2.64441 12.90744
3.52588 13.77081
4.40735 15.55838
5.28882 18.92213
6.17029 25.88607
6.61103 33.23199
7.05176 52.38211
reset:
title: MCNP5 u5o2-icyl-0040-00
reference: MCNP5 u5o2-icyl-0040-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:49:03 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.44073 37.23810
0.57294 23.23372
```

```
0.70516 19.30098
0.79331 17.92257
0.88145 16.99405
1.05774 15.83260
1.32218 14.97063
1.49847 14.63947
1.67476 14.50382
1.76290 14.44807
1.85105 14.41922
2.20363 14.45743
2.64435 14.77533
3.52580 16.00387
4.40725 17.93250
5.28870 20.99857
6.17015 26.38149
6.61088 31.06918
7.05160 38.65512
reset:
title: MCNP5 u5o2-icyl-0040-01
reference: MCNP5 u5o2-icyl-0040-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:49:04 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.44073 35.41445
0.57294 21.66610
0.70516 17.71367
0.79331 16.32500
0.88145 15.38833
1.05774 14.18962
1.32218 13.29553
1.49847 12.97569
1.67476 12.82507
1.76290 12.76638
1.85105 12.70736
2.20363 12.73347
2.64435 13.04435
3.52580 14.18269
4.40725 16.04344
5.28870 19.04438
6.17015 24.31779
6.61088 28.80716
7.05160 36.38390
reset:
title: MCNP5 u5o2-icyl-0040-10
reference: MCNP5 u5o2-icyl-0040-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:49:05 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.44073 34.37245
0.57294 20.38818
0.70516 16.43979
0.79331 15.00354
0.88145 14.05471
```

```
1.05774 12.82662
1.32218 11.86176
1.49847 11.52698
1.67476 11.31004
1.76290 11.22527
1.85105 11.16306
2.20363 11.12823
2.64435 11.25011
3.52580 12.12816
4.40725 13.71794
5.28870 16.34902
6.17015 21.05548
6.61088 25.18554
7.05160 32.37816
reset:
title: MCNP5 u5o2-icyl-0050-00
reference: MCNP5 u5o2-icyl-0050-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:11 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 56.72529
0.35258 33.01232
0.44072 22.70848
0.57294 18.04085
0.70515 16.11350
0.79330 15.35502
0.88144 14.81121
1.05773 14.09389
1.32216 13.58978
1.49845 13.46163
1.67474 13.40125
1.76288 13.38823
1.85102 13.38262
2.20360 13.54623
2.64432 13.89102
3.52576 15.08043
4.40720 16.93550
5.28864 19.57407
6.17008 23.81865
6.61080 27.24393
7.05152 31.87575
reset:
title: MCNP5 u5o2-icyl-0050-01
reference: MCNP5 u5o2-icyl-0050-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:12 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 54.93334
0.35258 31.43462
0.44072 21.21938
0.57294 16.51095
0.70515 14.52478
0.79330 13.73343
```

```
0.88144 13.19401
1.05773 12.48305
1.32216 11.95941
1.49845 11.81085
1.67474 11.73477
1.76288 11.72604
1.85102 11.72606
2.20360 11.80569
2.64432 12.18514
3.52576 13.27886
4.40720 15.01382
5.28864 17.60245
6.17008 21.80759
6.61080 24.98549
7.05152 29.80478
reset:
title: MCNP5 u5o2-icyl-0050-10
reference: MCNP5 u5o2-icyl-0050-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:12 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 53.82606
0.35258 30.27028
0.44072 19.97047
0.57294 15.24781
0.70515 13.22993
0.79330 12.45163
0.88144 11.86285
1.05773 11.10354
1.32216 10.52789
1.49845 10.30618
1.67474 10.18071
1.76288 10.11933
1.85102 10.14586
2.20360 10.17576
2.64432 10.38946
3.52576 11.23031
4.40720 12.68913
5.28864 14.85487
6.17008 18.49426
6.61080 21.46719
7.05152 25.78195
reset:
title: MCNP5 u5o2-icyl-0060-00
reference: MCNP5 u5o2-icyl-0060-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:24 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 27.95087
0.35257 22.84823
0.44072 18.43024
0.57293 15.73604
0.70514 14.46882
```

```
0.79329 13.95039
0.88143 13.59158
1.05772 13.11400
1.32215 12.81796
1.49843 12.73706
1.67472 12.73560
1.76286 12.73274
1.85100 12.76995
2.20358 12.94233
2.64429 13.37593
3.52572 14.52621
4.40715 16.27359
5.28858 18.59297
6.17001 22.18283
6.61073 24.75725
7.05144 28.13728
7.93287 40.15569
reset:
title: MCNP5 u5o2-icyl-0060-01
reference: MCNP5 u5o2-icyl-0060-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:25 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 26.38790
0.35257 21.27413
0.44072 16.89518
0.57293 14.16259
0.70514 12.89604
0.79329 12.36095
0.88143 12.00128
1.05772 11.52346
1.32215 11.18658
1.49843 11.06013
1.67472 11.05294
1.76286 11.05380
1.85100 11.09590
2.20358 11.24293
2.64429 11.61784
3.52572 12.69590
4.40715 14.31938
5.28858 16.67118
6.17001 20.14947
6.61073 22.68847
7.05144 25.91053
7.93287 37.79545
reset:
title: MCNP5 u5o2-icyl-0060-10
reference: MCNP5 u5o2-icyl-0060-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:50:26 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.30850 25.17824
0.35257 20.07703
```

```
0.44072 15.65833
0.57293 12.90732
0.70514 11.58490
0.79329 11.04687
0.88143 10.63259
1.05772 10.11848
1.32215 9.67132
1.49843 9.55660
1.67472 9.49582
1.76286 9.46460
1.85100 9.47297
2.20358 9.54569
2.64429 9.78146
3.52572 10.63233
4.40715 11.94561
5.28858 13.88937
6.17001 16.92622
6.61073 19.08531
7.05144 22.15398
7.93287 33.11944
reset:
title: MCNP5 u5o2-pl-0013-00
reference: MCNP5 u5o2-pl-0013-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:12:50 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
1.76298 92.56503
1.85113 52.25444
2.02743 35.78048
2.20373 29.52515
2.38002 26.50000
2.64447 24.14460
3.08522 22.71585
3.52596 22.79459
3.96671 24.24710
4.40745 26.98701
4.84820 32.69250
5.28894 46.30812
reset:
title: MCNP5 u5o2-pl-0013-01
reference: MCNP5 u5o2-pl-0013-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:12:50 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
1.76298 91.35148
1.85113 51.00655
2.02743 33.99337
2.20373 28.05582
2.38002 24.90420
2.64447 22.51880
3.08522 20.95282
3.52596 20.98059
3.96671 22.42078
```

```
4.40745 25.05975
4.84820 30.57637
5.28894 44.02413
reset:
title: MCNP5 u5o2-pl-0013-10
reference: MCNP5 u5o2-pl-0013-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:12:51 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
1.76298 89.37500
1.85113 47.89052
2.02743 31.92309
2.20373 26.32733
2.38002 23.31340
2.64447 20.77804
3.08522 19.21227
3.52596 19.12500
3.96671 20.33275
4.40745 22.84039
4.84820 28.29671
5.28894 42.04613
reset:
title: MCNP5 u5o2-pl-0025-00
reference: MCNP5 u5o2-pl-0025-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:04:11 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
0.70518 39.58033
0.79332 24.07707
0.88147 19.19830
1.05776 15.21409
1.32221 12.88356
1.49850 12.12780
1.67479 11.64696
1.76294 11.47706
1.85109 11.35000
2.20368 11.06537
2.64441 11.06870
3.52588 11.81863
4.40735 13.38038
5.28882 16.35067
6.17029 23.08019
6.61103 31.68421
7.05176 75.00021
reset:
title: MCNP5 u5o2-pl-0025-01
reference: MCNP5 u5o2-pl-0025-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:04:11 2012
geometry: infplane
modmat: h2o
critmat: UO2
```

```
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
0.70518 37.98188
0.79332 22.51168
0.88147 17.64326
1.05776 13.60355
1.32221 11.24383
1.49850 10.45839
1.67479 9.98095
1.76294 9.81366
1.85109 9.65810
2.20368 9.34988
2.64441 9.31483
3.52588 10.00819
4.40735 11.47445
5.28882 14.30853
6.17029 20.91226
6.61103 29.29111
7.05176 75.15260
reset:
title: MCNP5 u5o2-pl-0025-10
reference: MCNP5 u5o2-pl-0025-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 08:04:12 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.70518 37.08376
0.79332 21.22243
0.88147 16.35610
1.05776 12.26500
1.32221 9.83347
1.49850 9.00397
1.67479 8.50609
1.76294 8.28571
1.85109 8.11849
2.20368 7.72290
2.64441 7.60397
3.52588 7.99561
4.40735 9.19222
5.28882 11.67519
6.17029 17.61939
6.61103 25.51612
7.05176 69.23077
reset:
title: MCNP5 u5o2-pl-0030-00
reference: MCNP5 u5o2-pl-0030-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:58:40 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
0.57296 34.00371
```

```
0.70518 18.40389
0.79332 15.57956
0.88147 13.90474
1.05776 12.16961
1.32221 10.94214
1.49850 10.52174
1.67479 10.20651
1.76294 10.13662
1.85109 10.08576
2.20368 9.97611
2.64441 10.08297
3.52588 10.85564
4.40735 12.28605
5.28882 14.75622
6.17029 19.74405
6.61103 25.00244
7.05176 37.31068
reset:
title: MCNP5 u5o2-pl-0030-01
reference: MCNP5 u5o2-pl-0030-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:58:41 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
0.57296 32.08672
0.70518 16.79322
0.79332 13.96698
0.88147 12.29759
1.05776 10.54344
1.32221 9.29501
1.49850 8.84000
1.67479 8.56362
1.76294 8.46256
1.85109 8.39813
2.20368 8.25068
2.64441 8.32875
3.52588 9.01941
4.40735 10.37562
5.28882 12.77712
6.17029 17.58935
6.61103 22.71029
7.05176 35.13717
reset:
title: MCNP5 u5o2-pl-0030-10
reference: MCNP5 u5o2-pl-0030-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:58:41 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.57296 31.33333
0.70518 15.55263
0.79332 12.69862
0.88147 11.01615
1.05776 9.16577
1.32221 7.86387
```

```
1.49850 7.37859
1.67479 7.08740
1.76294 6.93242
1.85109 6.85635
2.20368 6.63252
2.64441 6.57203
3.52588 7.03722
4.40735 8.05035
5.28882 10.06302
6.17029 14.40757
6.61103 18.86482
7.05176 30.81668
reset:
title: MCNP5 u5o2-pl-0040-00
reference: MCNP5 u5o2-pl-0040-00 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:52:00 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
0.44073 23.38820
0.57294 14.50931
0.70516 11.95000
0.79331 11.05871
0.88145 10.46581
1.05774 9.71745
1.32218 9.13898
1.49847 8.94491
1.67476 8.83786
1.76290 8.80304
1.85105 8.80253
2.20363 8.82741
2.64435 9.03674
3.52580 9.80584
4.40725 11.08452
5.28870 13.08903
6.17015 16.53467
6.61088 19.59688
7.05160 24.63878
reset:
title: MCNP5 u5o2-pl-0040-01
reference: MCNP5 u5o2-pl-0040-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:52:01 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
0.44073 21.90506
0.57294 12.92429
0.70516 10.37653
0.79331 9.44878
0.88145 8.86287
1.05774 8.08498
1.32218 7.48193
1.49847 7.27660
1.67476 7.16504
1.76290 7.12467
```

```
1.85105 7.10572
2.20363 7.11019
2.64435 7.27470
3.52580 7.97561
4.40725 9.17137
5.28870 11.06377
6.17015 14.43676
6.61088 17.36190
7.05160 22.33382
reset:
title: MCNP5 u5o2-pl-0040-10
reference: MCNP5 u5o2-pl-0040-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:52:02 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.44073 20.68362
0.57294 11.66647
0.70516 9.07541
0.79331 8.15654
0.88145 7.52393
1.05774 6.69420
1.32218 6.05436
1.49847 5.77866
1.67476 5.62839
1.76290 5.57023
1.85105 5.51884
2.20363 5.43521
2.64435 5.48161
3.52580 5.91321
4.40725 6.81432
5.28870 8.31849
6.17015 11.14570
6.61088 13.71051
7.05160 18.36525
reset:
title: MCNP5 u5o2-pl-0050-00
reference: MCNP5 u5o2-pl-0050-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:47 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 36.21810
0.35258 20.84901
0.44072 14.16907
0.57294 11.16250
0.70515 9.88995
0.79330 9.39238
0.88144 9.04750
1.05773 8.59371
1.32216 8.26766
1.49845 8.17905
1.67474 8.13763
1.76288 8.12634
1.85102 8.13333
```

```
2.20360 8.22691
2.64432 8.46657
3.52576 9.24195
4.40720 10.41727
5.28864 12.14234
6.17008 14.89758
6.61080 17.05833
7.05152 20.21758
7.93296 35.77457
reset:
title: MCNP5 u5o2-pl-0050-01
reference: MCNP5 u5o2-pl-0050-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:48 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 34.40181
0.35258 19.35241
0.44072 12.66829
0.57294 9.57050
0.70515 8.29544
0.79330 7.80170
0.88144 7.43952
1.05773 6.97642
1.32216 6.61509
1.49845 6.49798
1.67474 6.44538
1.76288 6.45000
1.85102 6.43396
2.20360 6.49528
2.64432 6.71255
3.52576 7.38907
4.40720 8.49358
5.28864 10.14282
6.17008 12.80112
6.61080 14.89873
7.05152 17.93593
7.93296 33.36869
reset:
title: MCNP5 u5o2-pl-0050-10
reference: MCNP5 u5o2-pl-0050-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:49 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 33.40000
0.35258 18.09178
0.44072 11.38892
0.57294 8.30529
0.70515 6.98814
0.79330 6.46927
0.88144 6.07930
1.05773 5.57823
1.32216 5.14653
1.49845 4.99408
```

```
1.67474 4.88753
1.76288 4.85769
1.85102 4.84072
2.20360 4.79073
2.64432 4.87414
3.52576 5.29496
4.40720 6.10760
5.28864 7.34904
6.17008 9.53866
6.61080 11.28819
7.05152 13.92362
7.93296 27.89044
reset:
title: MCNP5 u5o2-pl-0060-00
reference: MCNP5 u5o2-pl-0060-00
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:35 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 17.54510
0.35257 14.26265
0.44072 11.37982
0.57293 9.66121
0.70514 8.85386
0.79329 8.50242
0.88143 8.26858
1.05772 7.97255
1.32215 7.74838
1.49843 7.70311
1.67472 7.70763
1.76286 7.70606
1.85100 7.72769
2.20358 7.85544
2.64429 8.09477
3.52572 8.85434
4.40715 9.95062
5.28858 11.48742
6.17001 13.83077
6.61073 15.49288
7.05144 17.72839
7.93287 25.58214
8.81430 55.44000
reset:
title: MCNP5 u5o2-pl-0060-01
reference: MCNP5 u5o2-pl-0060-01
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:36 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 16.03427
0.35257 12.65774
0.44072 9.82436
0.57293 8.07644
0.70514 7.23549
0.79329 6.88863
```

```
0.88143 6.66072
1.05772 6.33275
1.32215 6.10960
1.49843 6.04222
1.67472 6.01727
1.76286 6.03354
1.85100 6.03277
2.20358 6.13350
2.64429 6.34232
3.52572 7.04052
4.40715 8.04784
5.28858 9.51972
6.17001 11.74856
6.61073 13.38592
7.05144 15.50728
7.93287 23.36872
8.81430 53.44692
reset:
title: MCNP5 u5o2-pl-0060-10
reference: MCNP5 u5o2-pl-0060-10
set: MCNP5 set
source: MCNP5 primary
created: Thu Aug 02 07:51:36 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.30850 14.74163
0.35257 11.47311
0.44072 8.60052
0.57293 6.78658
0.70514 5.92448
0.79329 5.55817
0.88143 5.28469
1.05772 4.92198
1.32215 4.60635
1.49843 4.49717
1.67472 4.42670
1.76286 4.39451
1.85100 4.39263
2.20358 4.39165
2.64429 4.49958
3.52572 4.90418
4.40715 5.62514
5.28858 6.72288
6.17001 8.47295
6.61073 9.82757
7.05144 11.59598
7.93287 18.48256
8.81430 47.40163
reset:
title: MCNP5 u5-sp-0013-00 - critical
reference: MCNP5 u5-sp-0013-00 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:44 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:     0 in
keff: 1.0
var: critconc g/cc
var: diameter in
    1.90000   184.10001
```

```
    2.00000   102.52340
    2.10000    82.23731
    2.30000    61.85484
    2.50000    54.74334
    2.70000    49.16667
    3.00000    45.27273
    3.50000    41.44514
    4.00000    40.73560
    4.50000    41.13303
    5.00000    41.49468
    5.50000    44.06871
    6.00000    46.89128
    7.00000    56.82392
    7.50000    65.88434
    8.00000    83.33984
reset:
title: MCNP5 u5-sp-0013-01 - critical
reference: MCNP5 u5-sp-0013-01 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:44 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:     1 in
keff: 1.0
var: critconc g/cc
var: diameter in
    1.90000   172.08614
    2.00000   101.54178
    2.10000    79.50726
    2.30000    62.24281
    2.50000    52.87877
    2.70000    47.58498
    3.00000    43.56797
    3.50000    40.36427
    4.00000    39.25686
    4.50000    39.14106
    5.00000    40.21290
    5.50000    42.23049
    6.00000    44.21875
    7.00000    54.17822
    7.50000    63.67805
    8.00000    81.18975
reset:
title: MCNP5 u5-sp-0013-10 - critical
reference: MCNP5 u5-sp-0013-10 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:45 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
    1.90000   168.89525
    2.00000   101.11816
    2.10000    76.50324
    2.30000    59.98410
    2.50000    52.02407
    2.70000    46.44517
    3.00000    41.95238
    3.50000    38.93711
    4.00000    37.78473
    4.50000    37.44864
```

```
    5.00000    38.21825
    5.50000    40.42394
    6.00000    42.54967
    7.00000    52.59695
    7.50000    61.61098
    8.00000    78.97059
!
!end of MCNP 2012 (k=1 only) data
!
```

Appendix D

Template Files for Cases

Template File: pu-icyl-0800-00.template

```
infcyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
```

```
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0800-01.template

```
infcyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
```

```
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
```

```
c
```

Template File: pu-icyl-0800-10.template

```
infcyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection
```

```
mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0850-00.template

```
infcyl, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
```

```
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
```

```
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0850-01.template

```
infcyl, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
```

```
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0850-10.template

```
infcyl, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
```

```
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
```

```
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0900-00.template

```
infcyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
```

```
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0900-01.template

```
infcyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
```

```
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
```

```
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-icyl-0900-10.template

```
infcyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
```

```
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ Sphere
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: Pu-pl-0800-00.template

```
Pu plane, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
```

```
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.800|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100
```

```
mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0800-01.template

```
Pu plane, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.800|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
```

```
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0            3:-4:7:5:-8:-6                        imp:n=0

    1        py  <rd|6.4>              $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>        $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
```

```
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0800-10.template

```
Pu plane, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.800|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
```

```
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
```

```
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0850-00.template

```
Pu plane, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.850|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
```

```
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0850-01.template

```
Pu plane, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.850|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
```

```
   22  0            3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>              $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>        $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0850-10.template

```
Pu plane, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
```

```
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.850|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
```

```
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0900-00.template

```
Pu plane, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.900|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
```

```
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
```

```
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0900-01.template

```
Pu plane, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.900|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
```

```
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
```

```
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: Pu-pl-0900-10.template

```
Pu plane, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.900|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of Pu in sample  <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
```

```
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  plane
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|6.4>               $ plane
    2        py  <-rd|6.4>
    3        py  <rd+rw*in|6.4>         $ Reflection
    4        py  <-rd-rw*in|6.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
     94239.66c -<massPu*en/mass|1.6>
     94240.66c -<massPu*(1-en)/mass|1.6>
c
```

Template File: pu-sp-0800-00.template

```
s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
```

```
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0800-01.template

```
s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
```

```
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
```

```
c
```

Template File: pu-sp-0800-10.template

```
s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection
```

```
mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0850-00.template

```
s-, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
```

```
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
```

```
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0850-01.template

```
s-, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
```

```
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0850-10.template

```
s-, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
```

```
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
```

```
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0900-00.template

```
s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
```

```
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0900-01.template

```
s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
```

```
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
```

```
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: pu-sp-0900-10.template

```
s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
```

```
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     94239.66c -<massC*en/mass|1.6>
     94240.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
     94239.66c -<en|1.6>
     94240.66c -<(1-en)|1.6>
c
```

Template File: u5-sp-0013-00.template

```
U sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
```

```
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
```

```
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u/water mixture
m11    $ U/H2O Sludge, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     92235.66c -<massC*en/mass|1.6>
     92238.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u only
m12    $ U, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
     92235.66c -<en|1.6>
     92238.66c -<(1-en)|1.6>
c
```

Template File: u5-sp-0013-01.template

```
U sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
```

```
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u/water mixture
m11    $ U/H2O Sludge, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     92235.66c -<massC*en/mass|1.6>
     92238.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u only
m12    $ U, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
     92235.66c -<en|1.6>
     92238.66c -<(1-en)|1.6>
c
```

Template File: u5-sp-0013-10.template

```
U sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  sphere
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
```

```
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u/water mixture
m11    $ U/H2O Sludge, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
     92235.66c -<massC*en/mass|1.6>
     92238.66c -<massC*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u only
m12    $ U, <100*en |3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
     92235.66c -<en|1.6>
     92238.66c -<(1-en)|1.6>
c
```

Template File: u5o2-icyl-0013-00.template

```
UO2 icyl, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
```

```
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
```

```
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0013-01.template

```
UO2 icyl, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
```

```
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0013-10.template

```
UO2 icyl, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
```

```
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
```

```
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0025-00.template

```
UO2 icyl, 2.5 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
```

```
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0025-01.template

```
UO2 icyl, 2.5 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
```

```
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
```

```
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0025-10.template

```
UO2 icyl, 2.5 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
```

```
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0030-00.template

```
UO2 icyl, 3.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
```

```
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
```

```
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0030-01.template

```
UO2 icyl, 3.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
```

```
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0030-10.template

```
UO2 icyl, 3.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0
```

```
    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0040-00.template

```
UO2 icyl, 4.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
```

```
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
```

```
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0040-01.template

```
UO2 icyl, 4.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
```

```
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0040-10.template

```
UO2 icyl, 4.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
```

```
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
```

```
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0050-00.template

```
UO2 icyl, 5.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
```

```
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0050-01.template

```
UO2 icyl, 5.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
```

```
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
```

```
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0050-10.template

```
UO2 icyl, 5.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
```

```
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0060-00.template

```
UO2 icyl, 6.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0
```

```
    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0060-01.template

```
UO2 icyl, 6.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
```

```
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
```

```
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-icyl-0060-10.template

```
UO2 icyl, 6.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
```

```
</perl>
c  infinite cylinder
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        cz  <rd|4.4>               $ infinite cylinder
    2        cz  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0013-00.template

```
UO2 infinite plane, 1.3 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
```

```
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>              $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>        $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
```

```
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0013-01.template

```
UO2 infinite plane, 1.3 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
```

```
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0013-10.template

```
UO2 infinite plane, 1.3 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
```

```
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                        imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
```

```
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0025-00.template

```
UO2 infinite plane, 2.5 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
```

```
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0025-01.template

```
UO2 infinite plane, 2.5 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                        imp:n=0
```

```
    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0025-10.template

```
UO2 infinite plane, 2.5 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
```

```
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
```

```
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0030-00.template

```
UO2 infinite plane, 3.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
```

```
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0030-01.template

```
UO2 infinite plane, 3.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
```

```
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>              $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>        $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
```

```
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0030-10.template

```
UO2 infinite plane, 3.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
```

```
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0040-00.template

```
UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                        imp:n=0
```

```
    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0040-01.template

```
UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
```

```
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
```

```
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0040-10.template

```
UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
```

```
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0050-00.template

```
UO2 infinite plane, 5.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
```

```
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>              $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>        $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
```

```
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0050-01.template

```
UO2 infinite plane, 5.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
```

```
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0050-10.template

```
UO2 infinite plane, 5.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                        imp:n=0
```

```
    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0060-00.template

```
UO2 infinite plane, 6.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
```

```
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
```

```
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0060-01.template

```
UO2 infinite plane, 6.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
```

```
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>               $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>         $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-pl-0060-10.template

```
UO2 infinite plane, 6.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
```

```
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
c  infinite plane, double sided reflector (if present)
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=<&IMP(rw)|1>    $zero
importance if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py  <rd|5.4>              $ plane
    2        py  <-rd|5.4>
    3        py  <rd+rw*in|5.4>        $ Reflection
    4        py  <-rd-rw*in|5.4>
    *5        px    100
    *6        px    -100
    *7        pz    100
    *8        pz    -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
```

```
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-sp-0013-00.template

```
UO2 sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
```

```
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-sp-0013-01.template

```
UO2 sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
```

```
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
```

```
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Template File: u5o2-sp-0013-10.template

```
UO2 sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundreths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample  <massC=c/1000|2.4> g
c Mass of U in sample  <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
```

```
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}
</perl>
   20 <&GETMAT(massW)|2>  <massd|3.6>   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
   22  0             2           imp:n=0

    1        so  <rd|4.4>               $ Sphere
    2        so  <rd+rw*in|4.4>         $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
     92235.66c -<massU*en/mass|1.6>
     92238.66c -<massU*(1-en)/mass|1.6>
c
```

Appendix E

Example Input Files

Example Input file, pu-icyl-0800-00-00750-01250.inp

```
infcyl, 80.0 wt% Pu239, 00750 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = 1250  hundreths of inches - must be integer
c radius =    15.8750 cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = 00750 milli-g Pu/cc
c Reflector width =   0.0 inches
c Enrichment = 0.80 wt fraction Pu239
c
c Mixture Bulk Density of H20 1.00000
c Mixture Bulk Density of Pu 19.60000 g/cc
c
c Atomic Masses
c H     =   1.00790
c O     =  15.99940
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  0.0383 cc
c Volume of water in sample 0.9617 cc
c
c Mass of crit in sample   0.7500 g
c Mass of water in sample  0.9617 g
c
c Total mass of sample  1.7117g for a 1cc sample
c Mass Mixture Bulk Density for crit material  -1.7117, expressed as negative
c
c  infinite cylinder
   20 11   -1.711735   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=0    $zero importance if no reflector
   22  0             2           imp:n=0

    1        cz    15.8750               $ Sphere
    2        cz    15.8750         $ Reflection

mode n
kcode 2000 1.0 100  1100
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
```

```
     -10.00   -10.00   -30.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    pu/water mixture
m11    $ Pu/H2O Sludge,  80.000000 wt% Pu239, 00750 milli-g Pu/cc,  1.7117
      1001.66c -0.062868
      8016.66c -0.498980
     94239.66c -0.350522
     94240.66c -0.087630
mt11     lwtr.60t
c
c    pu only
m12    $ Pu/H2O Sludge,  80.000000 wt% Pu239, 00750 milli-g Pu/cc,  1.7117
     94239.66c -0.800000
     94240.66c -0.200000
c
```

Example Input file, u5o2-pl-0030-01-04000-00900.inp

```
UO2 infinite plane, 3.0 wt% U235, 04000 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = 900   hundreths of inches - must be integer
c radius =    11.4300 cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = 04000 milli-g U/cc
c Reflector width =  1.0 inches
c Enrichment = 0.030 wt fraction U235
c
c Mixture Bulk Density of H20 1.00000
c Mixture Bulk Density of UO2 11.00000 g/cc
c
c Atomic Masses
c H     =   1.00790
c O     =  15.99940
c U235  = 235.04390
c U238  = 238.05080
c
c Effective uranium atomic mass 237.96059
c UO2
c Mass fraction of U in crit material 0.88147
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  0.3636 cc
c Volume of water in sample 0.6364 cc
c
c Mass of crit in sample   4.0000 g
c Mass of U in sample   3.5259 g
c Mass of bound O in sample  0.4741 g
c Mass of water in sample  0.6364 g
c
c Total mass of sample  4.6364g for a 1cc sample
c Mass Mixture Bulk Density for crit material  -4.6364, expressed as negative
c
c  infinite plane, double sided reflector (if present)
   20 11   -4.636364   -1 2 -7 -5 8 6      imp:n=1
   21  2  -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))        imp:n=1    $zero importance
if no reflector
   22  0             3:-4:7:5:-8:-6                       imp:n=0

    1        py     11.4300               $ plane
    2        py    -11.4300
    3        py     13.9700         $ Reflection
    4        py    -13.9700
    *5        px    100
    *6        px    -100
    *7        pz    100
```

```
    *8        pz    -100

mode n
kcode 2000 1.0 100  1100
ksrc  0.00    0.00    0.00
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, 0.030 wt% U235, 04000 milli-g U/cc,  4.6364
      1001.66c -0.015358
      8016.66c -0.121897      $from water
      8016.66c -0.102263      $from oxide
     92235.66c -0.022814
     92238.66c -0.737668
mt11     lwtr.60t
c
c    u oxide only
m12    $ U oxide, 0.030 wt% U235, 04000 milli-g U/cc,  4.6364
      8016.66c -0.102263      $from oxide
     92235.66c -0.022814
     92238.66c -0.737668
c
```

Example Input file, u5-sp-0013-10-06000-04000.inp

```
U sphere, 1.3 wt% U235, 06000 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c       zzz0 (in upper case) is replaced with the number of cyles
c       zzz1 = the actual concentration in units of milli-g/cc
c       qqq1 = the minimum dimensions (in hundreths of inches)
c       qqq2 = the maximum dimensions (in hundreths of inches)
c       qqq3 = the delta (in hundreths of inches)
c
c Diameter = 4000  hundreths of inches - must be integer
c radius =    50.8000 cm
c  note for perl, numbers with leading zeros must be enclosed in single quotes or else
c  they will be interpretted as octal
c Conc = 06000 milli-g Pu/cc
c Reflector width = 10.0 inches
c Enrichment = 0.013 wt fraction U235
c
c Mixture Bulk Density of H20 1.00000
c Mixture Bulk Density of Pu 18.90000 g/cc
c
c Atomic Masses
c H     =   1.00790
c O     =  15.99940
c
c Assume a sample size of 1cc
c
c Volume of crit in sample  0.3175 cc
c Volume of water in sample 0.6825 cc
c
c Mass of crit in sample   6.0000 g
c Mass of water in sample  0.6825 g
c
c Total mass of sample  6.6825g for a 1cc sample
c Mass Mixture Bulk Density for crit material  -6.6825, expressed as negative
c
c  sphere
   20 11   -6.682540   -1         imp:n=1
   21  2  -1.000    -2 1         imp:n=1    $zero importance if no reflector
   22  0             2           imp:n=0

    1        so    50.8000               $ Sphere
    2        so    76.2000         $ Reflection

mode n
kcode 2000 1.0 100  500
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
     -10.00   -10.00   -20.00
     -10.00   -10.00   -30.00
```

```
c
m2    $ water
         1001.66c      2
         8016.66c      1
mt2   lwtr.60t
c    u/water mixture
m11    $ U/H2O Sludge,   1.3 wt% U235, 06000 milli-g U/cc,  6.6825
      1001.66c -0.011429
      8016.66c -0.090709
     92235.66c -0.011672
     92238.66c -0.886190
mt11     lwtr.60t
c
c    u only
m12    $ U,   1.3 wt% U235, 06000 milli-g U/cc,  6.6825
     92235.66c -0.013000
     92238.66c -0.987000
c
```

Appendix F

Raw Data Listing

sumtable.pu-icyl-0800-00

10			13			15		
999.98	0.99129	0.00019	20.00	0.90324	0.00039	18.00	0.91658	0.00041
999.99	0.99129	0.00019	22.50	0.93650	0.00037	18.25	0.92188	0.00044
			22.75	0.94033	0.00037	18.50	0.92623	0.00043
			23.00	0.94230	0.00038	18.75	0.93144	0.00042
			23.25	0.94545	0.00037	19.00	0.93597	0.00042
			23.50	0.94884	0.00037	19.25	0.93951	0.00042
			23.75	0.95113	0.00038	19.50	0.94462	0.00042
			24.00	0.95374	0.00038	19.75	0.94939	0.00041
			24.25	0.95576	0.00035	20.00	0.95263	0.00043
			24.50	0.95797	0.00037	20.25	0.95757	0.00040
			24.75	0.96137	0.00035	20.50	0.96078	0.00041
			25.00	0.96309	0.00036	20.75	0.96502	0.00041
			25.25	0.96649	0.00036	21.00	0.96818	0.00041
			25.50	0.96791	0.00036	21.25	0.97201	0.00040
			25.75	0.96991	0.00037	21.50	0.97488	0.00040
			26.00	0.97164	0.00038	21.75	0.97904	0.00040
			26.25	0.97473	0.00035	22.00	0.98163	0.00039
			26.50	0.97647	0.00036	22.25	0.98530	0.00040
			26.75	0.97908	0.00036	22.50	0.98810	0.00042
			27.00	0.98068	0.00036	22.75	0.99080	0.00039
			27.25	0.98263	0.00035	23.00	0.99434	0.00040
			27.50	0.98443	0.00036	23.25	0.99804	0.00039
			27.75	0.98669	0.00034	23.50	1.00114	0.00039
			28.00	0.98720	0.00035	23.75	1.00390	0.00039
			28.25	0.99027	0.00035	24.00	1.00565	0.00039
			28.50	0.99124	0.00035	24.25	1.00866	0.00040
			28.75	0.99290	0.00035	24.50	1.01128	0.00038
			29.00	0.99489	0.00035	24.75	1.01347	0.00038
			29.25	0.99640	0.00033	25.00	1.01548	0.00038
			29.50	0.99780	0.00034			
			29.75	0.99946	0.00034			
			30.00	1.00172	0.00033			
			32.50	1.01408	0.00033			
			35.00	1.02555	0.00033			
			37.50	1.03505	0.00030			
			40.00	1.04305	0.00032			
			42.50	1.04860	0.00030			
			45.00	1.05527	0.00030			
			47.50	1.05839	0.00029			
			50.00	1.06365	0.00028			
			52.50	1.06718	0.00028			
			55.00	1.07026	0.00029			
			57.50	1.07386	0.00027			
			60.00	1.07677	0.00027			
			62.50	1.07825	0.00027			
			65.00	1.07988	0.00027			
			67.50	1.08226	0.00027			
			70.00	1.08311	0.00025			
			72.50	1.08462	0.00026			
			75.00	1.08705	0.00025			
			77.50	1.08780	0.00025			
			80.00	1.08847	0.00026			
			82.50	1.08977	0.00025			
			85.00	1.09067	0.00025			
			87.50	1.09082	0.00025			
			90.00	1.09202	0.00025			
			92.50	1.09247	0.00023			
			95.00	1.09353	0.00025			
			97.50	1.09433	0.00024			
			100.00	1.09401	0.00024			
			102.50	1.09559	0.00024			

18			20			22		
15.90	0.92341	0.00047	14.00	0.89394	0.00053	14.00	0.91739	0.00051
16.10	0.92833	0.00047	14.25	0.90099	0.00050	14.25	0.92519	0.00051
16.30	0.93366	0.00049	14.50	0.90961	0.00048	14.50	0.93565	0.00053
16.50	0.93902	0.00049	14.75	0.91974	0.00049	14.75	0.94273	0.00052
16.70	0.94525	0.00045	15.00	0.92677	0.00047	15.00	0.95190	0.00049
16.90	0.94873	0.00045	15.25	0.93423	0.00049	15.25	0.96057	0.00050
17.10	0.95380	0.00047	15.50	0.94186	0.00048	15.50	0.96721	0.00048
17.30	0.95898	0.00048	15.75	0.94948	0.00048	15.75	0.97466	0.00049
17.50	0.96307	0.00047	16.00	0.95582	0.00050	16.00	0.98188	0.00050
17.70	0.96913	0.00045	16.25	0.96280	0.00050	16.25	0.99036	0.00051
17.90	0.97268	0.00045	16.50	0.97007	0.00051	16.50	0.99694	0.00049
18.10	0.97673	0.00045	16.75	0.97661	0.00048	16.75	1.00169	0.00050
18.30	0.98080	0.00047	17.00	0.98253	0.00049	17.00	1.00941	0.00048
18.50	0.98539	0.00045	17.25	0.98855	0.00049	17.25	1.01619	0.00049
18.70	0.98909	0.00045	17.50	0.99440	0.00048	17.50	1.02172	0.00050
18.90	0.99341	0.00044	17.75	0.99944	0.00048	17.75	1.02727	0.00049
19.10	0.99637	0.00046	18.00	1.00571	0.00047	18.00	1.03300	0.00049
19.30	0.99980	0.00045	18.25	1.01130	0.00047	18.25	1.03853	0.00049
19.50	1.00501	0.00044	18.50	1.01615	0.00046	18.50	1.04326	0.00050
19.70	1.00794	0.00045	18.75	1.02040	0.00047	18.75	1.04746	0.00049
19.90	1.01111	0.00044	19.00	1.02685	0.00047	19.00	1.05329	0.00047
20.00	1.01282	0.00043	19.25	1.03039	0.00046	19.25	1.05856	0.00048
			19.50	1.03679	0.00046	19.50	1.06381	0.00047
			19.75	1.03995	0.00046	19.75	1.06778	0.00049
			20.00	1.04568	0.00047	20.00	1.07315	0.00049

24			25			26		
13.00	0.89889	0.00055	13.00	0.90693	0.00054	13.00	0.91640	0.00054
13.25	0.90955	0.00053	13.25	0.91872	0.00054	13.25	0.92786	0.00054
13.50	0.92051	0.00051	13.50	0.92842	0.00053	13.50	0.93731	0.00057
13.75	0.92974	0.00053	13.75	0.93858	0.00054	13.75	0.94687	0.00055
14.00	0.93759	0.00054	14.00	0.94907	0.00052	14.00	0.95662	0.00055
14.25	0.94828	0.00053	14.25	0.95737	0.00052	14.25	0.96590	0.00054
14.50	0.95610	0.00054	14.50	0.96710	0.00053	14.50	0.97495	0.00053
14.75	0.96607	0.00054	14.75	0.97574	0.00053	14.75	0.98357	0.00051
15.00	0.97396	0.00052	15.00	0.98359	0.00055	15.00	0.99279	0.00054
15.25	0.98175	0.00053	15.25	0.99154	0.00053	15.25	1.00064	0.00055
15.50	0.98922	0.00053	15.50	1.00003	0.00054	15.50	1.00827	0.00053
15.75	0.99669	0.00052	15.75	1.00722	0.00051	15.75	1.01602	0.00055
16.00	1.00462	0.00051	16.00	1.01386	0.00052	16.00	1.02401	0.00054
16.25	1.01246	0.00054	16.25	1.02152	0.00052	16.25	1.03029	0.00054
16.50	1.01974	0.00052	16.50	1.02885	0.00054	16.50	1.03921	0.00052
16.75	1.02395	0.00050	16.75	1.03522	0.00053	16.75	1.04471	0.00052
17.00	1.03124	0.00051	17.00	1.04164	0.00050	17.00	1.05055	0.00053
17.25	1.03814	0.00051	17.25	1.04804	0.00054	17.25	1.05620	0.00052
17.50	1.04439	0.00050	17.50	1.05406	0.00053	17.50	1.06397	0.00053
17.75	1.05040	0.00051	17.75	1.05977	0.00051	17.75	1.06973	0.00052
18.00	1.05423	0.00051	18.00	1.06634	0.00054	18.00	1.07465	0.00052

28			30			32		
12.00	0.88580	0.00056	12.00	0.89963	0.00056	12.00	0.91189	0.00059
12.20	0.89640	0.00057	12.25	0.91265	0.00057	12.20	0.92046	0.00057
12.40	0.90570	0.00056	12.50	0.92354	0.00059	12.40	0.93084	0.00060
12.60	0.91451	0.00056	12.75	0.93482	0.00057	12.60	0.93976	0.00059
12.80	0.92400	0.00056	13.00	0.94614	0.00057	12.80	0.94926	0.00056
13.00	0.93214	0.00056	13.25	0.95646	0.00056	13.00	0.95864	0.00057
13.20	0.94169	0.00057	13.50	0.96819	0.00056	13.20	0.96690	0.00057
13.40	0.95017	0.00054	13.75	0.97774	0.00058	13.40	0.97442	0.00060
13.60	0.95731	0.00055	14.00	0.98762	0.00055	13.60	0.98467	0.00057
13.80	0.96557	0.00057	14.25	0.99683	0.00057	13.80	0.99103	0.00060
14.00	0.97272	0.00055	14.50	1.00577	0.00058	14.00	0.99971	0.00057
14.20	0.98003	0.00058	14.75	1.01517	0.00056	14.20	1.00758	0.00058
14.40	0.98756	0.00056	15.00	1.02298	0.00057	14.40	1.01477	0.00055
14.60	0.99589	0.00054	15.25	1.03136	0.00057	14.60	1.02259	0.00055
14.80	1.00212	0.00054	15.50	1.03975	0.00057	14.80	1.03019	0.00057
15.00	1.00870	0.00054	15.75	1.04727	0.00056	15.00	1.03605	0.00055
15.20	1.01480	0.00056	16.00	1.05540	0.00054	15.20	1.04230	0.00057
15.40	1.02189	0.00056	16.25	1.06092	0.00057	15.40	1.04943	0.00057
15.60	1.02854	0.00056	16.50	1.06948	0.00054	15.60	1.05575	0.00053
15.80	1.03451	0.00055	16.75	1.07581	0.00055	15.80	1.06167	0.00057
16.00	1.04046	0.00055	17.00	1.08343	0.00057	16.00	1.06898	0.00057
16.20	1.04640	0.00055						
16.40	1.05223	0.00053						
16.60	1.05689	0.00053						
16.80	1.06306	0.00056						
17.00	1.06804	0.00053						

36			40			45		
11.00	0.87685	0.00059	11.00	0.89045	0.00063	11.00	0.90781	0.00061
11.20	0.88769	0.00058	11.20	0.90236	0.00061	11.20	0.91818	0.00063
11.40	0.89914	0.00059	11.40	0.91458	0.00062	11.40	0.92887	0.00062
11.60	0.90991	0.00057	11.60	0.92556	0.00060	11.60	0.94108	0.00065
11.80	0.92130	0.00063	11.80	0.93466	0.00062	11.80	0.95262	0.00059
12.00	0.93141	0.00060	12.00	0.94524	0.00062	12.00	0.96159	0.00065
12.20	0.93989	0.00062	12.20	0.95708	0.00061	12.20	0.97089	0.00065
12.40	0.95088	0.00061	12.40	0.96689	0.00063	12.40	0.98302	0.00061
12.60	0.96005	0.00060	12.60	0.97617	0.00063	12.60	0.99221	0.00062
12.80	0.96933	0.00059	12.80	0.98585	0.00059	12.80	1.00108	0.00063
13.00	0.97829	0.00058	13.00	0.99559	0.00061	13.00	1.01128	0.00063
13.20	0.98707	0.00061	13.20	1.00398	0.00061	13.20	1.01942	0.00060
13.40	0.99564	0.00060	13.40	1.01225	0.00061	13.40	1.02860	0.00062
13.60	1.00463	0.00059	13.60	1.02068	0.00062	13.60	1.03695	0.00064
13.80	1.01363	0.00059	13.80	1.02907	0.00060	13.80	1.04486	0.00063
14.00	1.02012	0.00060	14.00	1.03740	0.00061	14.00	1.05283	0.00061
14.20	1.02849	0.00060	14.20	1.04634	0.00060	14.20	1.06159	0.00062
14.40	1.03512	0.00059	14.40	1.05294	0.00061	14.40	1.06820	0.00061
14.60	1.04231	0.00058	14.60	1.05899	0.00061	14.60	1.07585	0.00062
14.80	1.05080	0.00056	14.80	1.06731	0.00060	14.80	1.08365	0.00059
15.00	1.05724	0.00059	15.00	1.07316	0.00061	15.00	1.09011	0.00063
15.20	1.06363	0.00057						
15.40	1.07101	0.00058						
15.60	1.07653	0.00059						
15.80	1.08448	0.00058						
16.00	1.09047	0.00057						

50			75			100		
11.00	0.91805	0.00061	10.00	0.88281	0.00067	10.40	0.91928	0.00070
11.10	0.92285	0.00065	10.20	0.89701	0.00067	10.50	0.92464	0.00068
11.20	0.92956	0.00063	10.40	0.91072	0.00067	10.60	0.93082	0.00069
11.30	0.93551	0.00063	10.60	0.92296	0.00066	10.70	0.93878	0.00069
11.40	0.94067	0.00062	10.80	0.93609	0.00067	10.80	0.94497	0.00068
11.50	0.94656	0.00063	11.00	0.94694	0.00066	10.90	0.95144	0.00067
11.60	0.95277	0.00064	11.20	0.95805	0.00067	11.00	0.95560	0.00068
11.70	0.95851	0.00063	11.40	0.97141	0.00068	11.10	0.96313	0.00068
11.80	0.96337	0.00062	11.60	0.98213	0.00070	11.20	0.96789	0.00069
11.90	0.96867	0.00063	11.80	0.99407	0.00066	11.30	0.97363	0.00065
12.00	0.97205	0.00063	12.00	1.00495	0.00065	11.40	0.97902	0.00066
12.10	0.97911	0.00064	12.20	1.01504	0.00068	11.50	0.98449	0.00069
12.20	0.98372	0.00065	12.40	1.02309	0.00065	11.60	0.99011	0.00066
12.30	0.98949	0.00065	12.60	1.03479	0.00066	11.70	0.99623	0.00068
12.40	0.99593	0.00063	12.80	1.04382	0.00068	11.80	1.00282	0.00069
12.50	0.99887	0.00067	13.00	1.05293	0.00068	11.90	1.00723	0.00068
12.60	1.00402	0.00064	13.20	1.06062	0.00068	12.00	1.01158	0.00069
12.70	1.00877	0.00063	13.40	1.07102	0.00068	12.10	1.01721	0.00070
12.80	1.01384	0.00064	13.60	1.07838	0.00067	12.20	1.02208	0.00069
12.90	1.01877	0.00064	13.80	1.08775	0.00065	12.30	1.02653	0.00069
13.00	1.02337	0.00063	14.00	1.09525	0.00066	12.40	1.03280	0.00070
13.10	1.02683	0.00066				12.50	1.03820	0.00071
13.20	1.03201	0.00063						
13.30	1.03596	0.00063						
13.40	1.04053	0.00063						
13.50	1.04392	0.00062						

150			200			350		
10.00	0.89217	0.00069	10.00	0.88759	0.00068	10.80	0.92392	0.00071
10.20	0.90704	0.00070	10.20	0.90173	0.00064	11.00	0.93411	0.00067
10.40	0.91889	0.00066	10.40	0.91482	0.00070	11.20	0.94442	0.00068
10.60	0.93124	0.00069	10.60	0.92535	0.00068	11.40	0.95832	0.00069
10.80	0.94305	0.00069	10.80	0.93754	0.00068	11.60	0.96697	0.00067
11.00	0.95553	0.00067	11.00	0.94936	0.00066	11.80	0.97577	0.00066
11.20	0.96619	0.00069	11.20	0.95938	0.00071	12.00	0.98552	0.00069
11.40	0.97733	0.00073	11.40	0.97075	0.00071	12.20	0.99400	0.00070
11.60	0.98831	0.00073	11.60	0.98214	0.00070	12.40	1.00283	0.00067
11.80	0.99971	0.00066	11.80	0.99332	0.00069	12.60	1.01265	0.00068
12.00	1.00877	0.00071	12.00	1.00312	0.00071	12.80	1.01992	0.00070
12.20	1.02050	0.00068	12.20	1.01180	0.00071	13.00	1.02819	0.00071
12.40	1.02961	0.00069	12.40	1.02174	0.00069	13.20	1.03570	0.00066
12.60	1.03964	0.00069	12.60	1.03043	0.00069	13.40	1.04409	0.00067
12.80	1.04715	0.00071	12.80	1.04128	0.00069	13.60	1.05232	0.00069
13.00	1.05663	0.00066	13.00	1.04885	0.00068	13.80	1.05956	0.00068
13.20	1.06750	0.00066	13.20	1.05689	0.00070	14.00	1.06543	0.00069
13.40	1.07408	0.00068	13.40	1.06599	0.00067			
13.60	1.08195	0.00069	13.60	1.07311	0.00066			
13.80	1.08898	0.00068	13.80	1.08059	0.00068			
14.00	1.09830	0.00068	14.00	1.08833	0.00067			

500		
10.90	0.92412	0.00066
11.10	0.93626	0.00066
11.30	0.94632	0.00066
11.50	0.95600	0.00066
11.70	0.96562	0.00069
11.90	0.97364	0.00066
12.10	0.98272	0.00066
12.30	0.99146	0.00067
12.50	1.00045	0.00067
12.70	1.00968	0.00070
12.90	1.01763	0.00068
13.10	1.02466	0.00069
13.30	1.03266	0.00068
13.50	1.04027	0.00071
13.70	1.04758	0.00069
13.90	1.05473	0.00067
14.10	1.06193	0.00065
14.30	1.06772	0.00066
14.50	1.07339	0.00066
14.70	1.08195	0.00069
14.90	1.08772	0.00067
15.00	1.08947	0.00066

750		
10.70	0.92230	0.00067
10.90	0.93371	0.00065
11.10	0.94199	0.00065
11.30	0.95199	0.00066
11.50	0.96231	0.00065
11.70	0.97154	0.00065
11.90	0.98176	0.00066
12.10	0.98979	0.00066
12.30	0.99878	0.00064
12.50	1.00615	0.00064
12.70	1.01448	0.00065
12.90	1.02279	0.00066
13.10	1.02968	0.00065
13.30	1.03719	0.00066
13.50	1.04543	0.00066
13.70	1.05172	0.00067
13.90	1.05842	0.00064
14.00	1.06309	0.00065

1000		
10.00	0.89904	0.00065
10.20	0.91074	0.00068
10.40	0.92052	0.00065
10.60	0.93260	0.00066
10.80	0.94242	0.00064
11.00	0.95511	0.00065
11.20	0.96386	0.00064
11.40	0.97394	0.00064
11.60	0.98336	0.00063
11.80	0.99241	0.00065
12.00	1.00039	0.00065
12.20	1.01059	0.00066
12.40	1.01834	0.00066
12.60	1.02506	0.00067
12.80	1.03448	0.00065
13.00	1.04164	0.00067
13.20	1.05006	0.00067
13.40	1.05796	0.00066
13.60	1.06339	0.00063
13.80	1.07018	0.00063
14.00	1.07863	0.00067

1500		
9.00	0.88044	0.00062
9.20	0.89429	0.00061
9.40	0.90742	0.00060
9.60	0.92045	0.00063
9.80	0.93268	0.00062
10.00	0.94469	0.00062
10.20	0.95642	0.00063
10.40	0.96703	0.00061
10.60	0.97821	0.00064
10.80	0.98942	0.00064
11.00	1.00044	0.00064
11.20	1.00991	0.00062
11.40	1.02022	0.00063
11.60	1.02793	0.00060
11.80	1.03697	0.00061
12.00	1.04766	0.00063
12.20	1.05657	0.00061
12.40	1.06418	0.00062
12.60	1.07270	0.00062
12.80	1.08180	0.00064
13.00	1.09025	0.00063

2000		
8.90	0.92322	0.00060
8.95	0.92614	0.00062
9.00	0.92988	0.00063
9.05	0.93211	0.00063
9.10	0.93557	0.00061
9.15	0.93979	0.00059
9.20	0.94414	0.00061
9.25	0.94630	0.00063
9.30	0.94893	0.00060
9.35	0.95471	0.00062
9.40	0.95751	0.00062
9.45	0.95984	0.00058
9.50	0.96438	0.00063
9.55	0.96660	0.00059
9.60	0.96883	0.00062
9.65	0.97266	0.00061
9.70	0.97631	0.00061
9.75	0.97790	0.00060
9.80	0.98177	0.00063
9.85	0.98528	0.00061
9.90	0.98802	0.00064
9.95	0.99162	0.00062
10.00	0.99567	0.00061
10.05	0.99669	0.00061
10.10	0.99996	0.00060
10.15	1.00274	0.00059
10.20	1.00622	0.00060
10.25	1.00974	0.00062
10.30	1.01255	0.00064

2500		
8.20	0.91659	0.00060
8.25	0.92098	0.00062
8.30	0.92447	0.00061
8.35	0.92926	0.00060
8.40	0.93335	0.00060
8.45	0.93608	0.00059
8.50	0.94110	0.00059
8.55	0.94469	0.00059
8.60	0.94921	0.00059
8.65	0.95357	0.00060
8.70	0.95613	0.00060
8.75	0.96084	0.00060
8.80	0.96348	0.00059
8.85	0.96751	0.00059
8.90	0.97081	0.00060
8.95	0.97369	0.00059
9.00	0.97798	0.00061
9.05	0.98263	0.00058
9.10	0.98578	0.00062
9.15	0.98855	0.00060
9.20	0.99268	0.00060
9.25	0.99524	0.00058
9.30	0.99906	0.00063
9.35	1.00304	0.00059
9.40	1.00634	0.00060

3000			4000			5000		
7.70	0.92071	0.00054	6.80	0.91590	0.00058	6.20	0.92111	0.00057
7.75	0.92531	0.00061	6.85	0.92061	0.00057	6.25	0.92659	0.00055
7.80	0.92910	0.00061	6.90	0.92684	0.00059	6.30	0.93369	0.00054
7.85	0.93418	0.00059	6.95	0.93176	0.00057	6.35	0.93874	0.00056
7.90	0.93846	0.00059	7.00	0.93701	0.00058	6.40	0.94559	0.00055
7.95	0.94339	0.00057	7.05	0.94169	0.00060	6.45	0.95148	0.00057
8.00	0.94617	0.00058	7.10	0.94676	0.00057	6.50	0.95862	0.00057
8.05	0.95083	0.00058	7.15	0.95336	0.00059	6.55	0.96253	0.00057
8.10	0.95505	0.00059	7.20	0.95816	0.00057	6.60	0.96908	0.00056
8.15	0.95966	0.00061	7.25	0.96222	0.00060	6.65	0.97505	0.00055
8.20	0.96365	0.00059	7.30	0.96815	0.00057	6.70	0.98054	0.00056
8.25	0.96813	0.00059	7.35	0.97212	0.00060	6.75	0.98629	0.00056
8.30	0.97109	0.00059	7.40	0.97765	0.00057	6.80	0.99147	0.00057
8.35	0.97600	0.00061	7.45	0.98420	0.00057	6.85	0.99778	0.00056
8.40	0.97973	0.00058	7.50	0.98741	0.00060	6.90	1.00403	0.00058
8.45	0.98458	0.00059	7.55	0.99295	0.00058	6.95	1.00913	0.00058
8.50	0.98787	0.00061	7.60	0.99853	0.00058	7.00	1.01424	0.00056
8.55	0.99225	0.00059	7.65	1.00247	0.00059			
8.60	0.99589	0.00058	7.70	1.00683	0.00057			
8.65	0.99979	0.00059	7.75	1.01197	0.00058			
8.70	1.00383	0.00059	7.80	1.01600	0.00059			
8.75	1.00823	0.00060						
8.80	1.01322	0.00060						
8.85	1.01692	0.00059						
8.90	1.01863	0.00060						
8.95	1.02308	0.00061						
9.00	1.02744	0.00060						

6000			7000			7500		
5.60	0.90742	0.00056	5.20	0.90959	0.00053	5.00	0.90795	0.00052
5.62	0.91112	0.00055	5.22	0.91264	0.00052	5.02	0.90993	0.00050
5.64	0.91400	0.00054	5.24	0.91682	0.00054	5.04	0.91441	0.00051
5.66	0.91599	0.00054	5.26	0.92075	0.00053	5.06	0.91780	0.00051
5.68	0.91960	0.00054	5.28	0.92223	0.00052	5.08	0.92065	0.00053
5.70	0.92141	0.00054	5.30	0.92484	0.00052	5.10	0.92302	0.00051
5.72	0.92446	0.00056	5.32	0.92800	0.00054	5.12	0.92639	0.00051
5.74	0.92683	0.00053	5.34	0.93058	0.00052	5.14	0.92918	0.00053
5.76	0.93057	0.00056	5.36	0.93506	0.00054	5.16	0.93211	0.00054
5.78	0.93311	0.00054	5.38	0.93715	0.00055	5.18	0.93594	0.00051
5.80	0.93613	0.00054	5.40	0.94024	0.00053	5.20	0.93749	0.00051
5.82	0.93880	0.00055	5.42	0.94356	0.00053	5.22	0.94260	0.00053
5.84	0.94169	0.00054	5.44	0.94763	0.00054	5.24	0.94514	0.00053
5.86	0.94500	0.00055	5.46	0.95068	0.00054	5.26	0.94894	0.00053
5.88	0.94691	0.00056	5.48	0.95265	0.00056	5.28	0.95093	0.00053
5.90	0.94947	0.00055	5.50	0.95553	0.00053	5.30	0.95373	0.00052
5.92	0.95075	0.00057	5.52	0.95866	0.00053	5.32	0.95897	0.00054
5.94	0.95418	0.00056	5.54	0.96207	0.00054	5.34	0.96099	0.00055
5.96	0.95767	0.00055	5.56	0.96425	0.00054	5.36	0.96403	0.00053
5.98	0.96078	0.00054	5.58	0.96832	0.00055	5.38	0.96646	0.00054
6.00	0.96363	0.00055	5.60	0.97109	0.00053	5.40	0.97093	0.00054
6.02	0.96588	0.00056	5.62	0.97371	0.00055	5.42	0.97349	0.00052
6.04	0.96939	0.00056	5.64	0.97708	0.00057	5.44	0.97567	0.00054
6.06	0.97216	0.00055	5.66	0.97924	0.00054	5.46	0.98019	0.00055
6.08	0.97394	0.00057	5.68	0.98242	0.00055	5.48	0.98339	0.00052

6.10	0.97647	0.00056	5.70	0.98423	0.00053	5.50	0.98480	0.00053
6.12	0.97850	0.00057	5.72	0.98765	0.00054	5.52	0.98849	0.00051
6.14	0.98145	0.00055	5.74	0.99011	0.00055	5.54	0.99118	0.00054
6.16	0.98434	0.00056	5.76	0.99404	0.00056	5.56	0.99428	0.00054
6.18	0.98750	0.00055	5.78	0.99625	0.00055	5.58	0.99787	0.00056
6.20	0.98956	0.00057	5.80	0.99875	0.00056	5.60	1.00059	0.00052
6.22	0.99168	0.00053	5.82	1.00203	0.00057	5.62	1.00269	0.00055
6.24	0.99524	0.00054	5.84	1.00511	0.00055	5.64	1.00586	0.00056
6.26	0.99803	0.00056	5.86	1.00812	0.00056	5.66	1.01002	0.00055
6.28	1.00013	0.00056	5.88	1.01029	0.00055	5.68	1.01235	0.00055
6.30	1.00228	0.00056	5.90	1.01329	0.00054	5.70	1.01549	0.00057
6.32	1.00427	0.00058	5.92	1.01603	0.00055			
6.34	1.00776	0.00056	5.94	1.01895	0.00055			
6.36	1.01064	0.00055	5.96	1.02271	0.00056			
6.38	1.01190	0.00056	5.98	1.02485	0.00055			
6.40	1.01454	0.00057	6.00	1.02698	0.00055			

8000			9000			10000		
4.90	0.91932	0.00052	4.50	0.90168	0.00048	4.30	0.91548	0.00049
4.92	0.92187	0.00054	4.52	0.90537	0.00049	4.32	0.91845	0.00047
4.94	0.92508	0.00052	4.54	0.90993	0.00049	4.34	0.92205	0.00047
4.96	0.92881	0.00052	4.56	0.91209	0.00048	4.36	0.92634	0.00047
4.98	0.93265	0.00052	4.58	0.91600	0.00051	4.38	0.92956	0.00048
5.00	0.93531	0.00053	4.60	0.92003	0.00051	4.40	0.93329	0.00049
5.02	0.93815	0.00053	4.62	0.92358	0.00050	4.42	0.93634	0.00049
5.04	0.94223	0.00052	4.64	0.92678	0.00049	4.44	0.94111	0.00047
5.06	0.94471	0.00052	4.66	0.93097	0.00052	4.46	0.94587	0.00048
5.08	0.94772	0.00053	4.68	0.93485	0.00050	4.48	0.94909	0.00049
5.10	0.95272	0.00049	4.70	0.93809	0.00050	4.50	0.95296	0.00050
5.12	0.95451	0.00053	4.72	0.94137	0.00051	4.52	0.95632	0.00047
5.14	0.95728	0.00051	4.74	0.94498	0.00051	4.54	0.95956	0.00051
5.16	0.96007	0.00051	4.76	0.94800	0.00053	4.56	0.96368	0.00049
5.18	0.96482	0.00054	4.78	0.95108	0.00051	4.58	0.96757	0.00050
5.20	0.96792	0.00051	4.80	0.95608	0.00050	4.60	0.97071	0.00050
5.22	0.97092	0.00053	4.82	0.95914	0.00052	4.62	0.97425	0.00050
5.24	0.97512	0.00053	4.84	0.96189	0.00052	4.64	0.97757	0.00050
5.26	0.97756	0.00051	4.86	0.96558	0.00051	4.66	0.98056	0.00050
5.28	0.98083	0.00052	4.88	0.96853	0.00050	4.68	0.98474	0.00050
5.30	0.98324	0.00052	4.90	0.97248	0.00052	4.70	0.98936	0.00048
5.32	0.98628	0.00054	4.92	0.97554	0.00050	4.72	0.99313	0.00049
5.34	0.98998	0.00052	4.94	0.97951	0.00051	4.74	0.99604	0.00052
5.36	0.99337	0.00052	4.96	0.98198	0.00049	4.76	0.99977	0.00050
5.38	0.99657	0.00053	4.98	0.98667	0.00052	4.78	1.00385	0.00050
5.40	0.99872	0.00053	5.00	0.98882	0.00052	4.80	1.00661	0.00050
5.42	1.00268	0.00054	5.02	0.99186	0.00052	4.82	1.00977	0.00049
5.44	1.00397	0.00053	5.04	0.99558	0.00050	4.84	1.01424	0.00051
5.46	1.00803	0.00051	5.06	0.99972	0.00051	4.86	1.01714	0.00052
5.48	1.01173	0.00052	5.08	1.00265	0.00053	4.88	1.02057	0.00051
5.50	1.01607	0.00053	5.10	1.00594	0.00051	4.90	1.02429	0.00053
			5.12	1.01013	0.00052	4.92	1.02630	0.00050
			5.14	1.01314	0.00053	4.94	1.03152	0.00052
			5.16	1.01713	0.00051	4.96	1.03399	0.00052
			5.18	1.01956	0.00052	4.98	1.03776	0.00052
			5.20	1.02234	0.00054	5.00	1.04214	0.00052

15000			19600		
3.20	0.90347	0.00043	2.60	0.92386	0.00040
3.22	0.90805	0.00040	2.62	0.92987	0.00042
3.24	0.91349	0.00041	2.64	0.93595	0.00042
3.26	0.91759	0.00043	2.66	0.94118	0.00042
3.28	0.92237	0.00041	2.68	0.94689	0.00043
3.30	0.92745	0.00042	2.70	0.95233	0.00042
3.32	0.93208	0.00043	2.72	0.95917	0.00042
3.34	0.93631	0.00044	2.74	0.96362	0.00043
3.36	0.94190	0.00044	2.76	0.96963	0.00043
3.38	0.94586	0.00043	2.78	0.97598	0.00043
3.40	0.95116	0.00046	2.80	0.98071	0.00045
3.42	0.95597	0.00044	2.82	0.98720	0.00045
3.44	0.96097	0.00043	2.84	0.99237	0.00044
3.46	0.96514	0.00044	2.86	0.99795	0.00046
3.48	0.96939	0.00043	2.88	1.00371	0.00044
3.50	0.97427	0.00045	2.90	1.00894	0.00044
3.52	0.97922	0.00043			
3.54	0.98416	0.00045			
3.56	0.98822	0.00042			
3.58	0.99284	0.00044			
3.60	0.99667	0.00047			
3.62	1.00134	0.00044			
3.64	1.00680	0.00047			
3.66	1.01109	0.00045			
3.68	1.01451	0.00045			
3.70	1.02057	0.00044			

sumtable.pu-icyl-0800-01

10			13			15		
999.98	0.99129	0.00019	20.00	0.92444	0.00035	17.00	0.92681	0.00041
999.99	0.99129	0.00019	20.50	0.93106	0.00037	17.25	0.93204	0.00041
			21.00	0.93694	0.00037	17.50	0.93609	0.00042
			21.50	0.94317	0.00036	17.75	0.94132	0.00041
			22.00	0.94872	0.00036	18.00	0.94588	0.00040
			22.50	0.95371	0.00036	18.25	0.94899	0.00042
			23.00	0.95894	0.00037	18.50	0.95272	0.00041
			23.50	0.96336	0.00034	18.75	0.95675	0.00038
			24.00	0.96834	0.00036	19.00	0.96102	0.00039
			24.50	0.97313	0.00034	19.25	0.96624	0.00040
			25.00	0.97701	0.00035	19.50	0.96824	0.00041
			25.50	0.98129	0.00035	19.75	0.97268	0.00040
			26.00	0.98428	0.00035	20.00	0.97585	0.00040
			26.50	0.98819	0.00035	20.25	0.97937	0.00039
			27.00	0.99208	0.00034	20.50	0.98258	0.00039
			27.50	0.99537	0.00033	20.75	0.98538	0.00040
			28.00	0.99855	0.00034	21.00	0.98958	0.00038
			28.50	1.00164	0.00034	21.25	0.99224	0.00040
			29.00	1.00435	0.00034	21.50	0.99448	0.00041
			29.50	1.00668	0.00033	21.75	0.99779	0.00038
			30.00	1.00963	0.00033	22.00	1.00061	0.00039
			32.50	1.02182	0.00031	22.25	1.00385	0.00038
			35.00	1.03095	0.00031	22.50	1.00704	0.00038
			37.50	1.03941	0.00031	22.75	1.00969	0.00037
			40.00	1.04670	0.00029	23.00	1.01155	0.00038
			42.50	1.05156	0.00030			

18			20			22		
14.00	0.91220	0.00048	13.00	0.91113	0.00050	12.00	0.89978	0.00051
14.25	0.92052	0.00045	13.25	0.91896	0.00049	12.20	0.90788	0.00048
14.50	0.92712	0.00047	13.50	0.92826	0.00048	12.40	0.91429	0.00050
14.75	0.93314	0.00045	13.75	0.93484	0.00049	12.60	0.92259	0.00050
15.00	0.94039	0.00046	14.00	0.94291	0.00044	12.80	0.92898	0.00049
15.25	0.94571	0.00045	14.25	0.95044	0.00046	13.00	0.93595	0.00050
15.50	0.95248	0.00045	14.50	0.95751	0.00048	13.20	0.94355	0.00050
15.75	0.95952	0.00045	14.75	0.96315	0.00047	13.40	0.94963	0.00048
16.00	0.96378	0.00043	15.00	0.97117	0.00048	13.60	0.95543	0.00050
16.25	0.96985	0.00042	15.25	0.97747	0.00046	13.80	0.96138	0.00048
16.50	0.97563	0.00045	15.50	0.98307	0.00048	14.00	0.96833	0.00050
16.75	0.98067	0.00045	15.75	0.98865	0.00046	14.20	0.97532	0.00048
17.00	0.98738	0.00043	16.00	0.99497	0.00047	14.40	0.98071	0.00050
17.25	0.99044	0.00044	16.25	1.00107	0.00045	14.60	0.98597	0.00051
17.50	0.99473	0.00043	16.50	1.00725	0.00044	14.80	0.99180	0.00049
17.75	0.99942	0.00044	16.75	1.01106	0.00047	15.00	0.99676	0.00048
18.00	1.00510	0.00044	17.00	1.01679	0.00045	15.20	1.00295	0.00048
18.25	1.00917	0.00043	17.25	1.02282	0.00047	15.40	1.00755	0.00048
18.50	1.01253	0.00043	17.50	1.02703	0.00046	15.60	1.01193	0.00048
18.75	1.01819	0.00043	17.75	1.03177	0.00044	15.80	1.01691	0.00047
19.00	1.02142	0.00045	18.00	1.03747	0.00046	16.00	1.02360	0.00051
19.25	1.02481	0.00043	18.25	1.04065	0.00043	16.20	1.02619	0.00048
19.50	1.02999	0.00042	18.50	1.04600	0.00047	16.40	1.03128	0.00048
19.75	1.03329	0.00044	18.75	1.04987	0.00047	16.60	1.03649	0.00048
20.00	1.03605	0.00044	19.00	1.05498	0.00045	16.80	1.04013	0.00047
			19.25	1.05824	0.00045	17.00	1.04336	0.00048
			19.50	1.06156	0.00044			
			19.75	1.06580	0.00042			
			20.00	1.07016	0.00045			

24			25			26		
12.00	0.92107	0.00051	11.90	0.92571	0.00051	11.00	0.89572	0.00054
12.20	0.92927	0.00051	12.10	0.93544	0.00050	11.20	0.90465	0.00053
12.40	0.93628	0.00051	12.30	0.94225	0.00053	11.40	0.91399	0.00050
12.60	0.94340	0.00052	12.50	0.95074	0.00051	11.60	0.92158	0.00052
12.80	0.95202	0.00050	12.70	0.95666	0.00053	11.80	0.93076	0.00053
13.00	0.95864	0.00051	12.90	0.96381	0.00053	12.00	0.93912	0.00056
13.20	0.96505	0.00052	13.10	0.97033	0.00053	12.20	0.94735	0.00052
13.40	0.97138	0.00049	13.30	0.97735	0.00053	12.40	0.95399	0.00052
13.60	0.97775	0.00050	13.50	0.98409	0.00052	12.60	0.96264	0.00053
13.80	0.98443	0.00053	13.70	0.99155	0.00053	12.80	0.97021	0.00050
14.00	0.98977	0.00051	13.90	0.99713	0.00049	13.00	0.97676	0.00051
14.20	0.99672	0.00050	14.10	1.00358	0.00050	13.20	0.98393	0.00053
14.40	1.00243	0.00049	14.30	1.00946	0.00053	13.40	0.99011	0.00053
14.60	1.00837	0.00049	14.50	1.01599	0.00052	13.60	0.99734	0.00052
14.80	1.01447	0.00051	14.70	1.02053	0.00051	13.80	1.00404	0.00049
15.00	1.01900	0.00049	14.90	1.02591	0.00051	14.00	1.01038	0.00051
15.20	1.02435	0.00050	15.10	1.03292	0.00050	14.20	1.01634	0.00052
15.40	1.03010	0.00049	15.30	1.03702	0.00051	14.40	1.02175	0.00052
15.60	1.03447	0.00049	15.50	1.04308	0.00051	14.60	1.02785	0.00050
15.80	1.04098	0.00050	15.70	1.04884	0.00050	14.80	1.03339	0.00050
16.00	1.04449	0.00050	15.90	1.05203	0.00050	15.00	1.03788	0.00051
			16.00	1.05466	0.00050	15.20	1.04431	0.00049
						15.40	1.04979	0.00051
						15.60	1.05548	0.00051
						15.80	1.06050	0.00053

28			30			32		
11.00	0.91154	0.00053	11.00	0.92472	0.00056	10.00	0.88635	0.00056
11.20	0.91993	0.00054	11.20	0.93400	0.00056	10.20	0.89690	0.00059
11.40	0.93024	0.00053	11.40	0.94481	0.00053	10.40	0.90760	0.00056
11.60	0.93762	0.00056	11.60	0.95214	0.00057	10.60	0.91763	0.00055
11.80	0.94704	0.00054	11.80	0.96143	0.00054	10.80	0.92719	0.00056
12.00	0.95499	0.00051	12.00	0.96911	0.00056	11.00	0.93834	0.00056
12.20	0.96192	0.00052	12.20	0.97701	0.00056	11.20	0.94685	0.00056
12.40	0.97108	0.00054	12.40	0.98544	0.00054	11.40	0.95734	0.00055
12.60	0.97820	0.00054	12.60	0.99272	0.00056	11.60	0.96497	0.00056
12.80	0.98535	0.00051	12.80	0.99995	0.00055	11.80	0.97304	0.00057
13.00	0.99226	0.00056	13.00	1.00758	0.00053	12.00	0.98115	0.00056
13.20	1.00093	0.00054	13.20	1.01676	0.00054	12.20	0.99057	0.00057
13.40	1.00739	0.00054	13.40	1.02194	0.00056	12.40	0.99872	0.00057
13.60	1.01371	0.00053	13.60	1.02717	0.00054	12.60	1.00445	0.00056
13.80	1.02035	0.00051	13.80	1.03507	0.00054	12.80	1.01345	0.00058
14.00	1.02753	0.00054	14.00	1.04143	0.00054	13.00	1.02131	0.00053
14.20	1.03211	0.00051	14.20	1.04716	0.00057	13.20	1.02838	0.00057
14.40	1.03822	0.00053	14.40	1.05454	0.00055	13.40	1.03358	0.00053
14.60	1.04472	0.00052	14.60	1.05773	0.00054	13.60	1.04167	0.00057
14.80	1.04978	0.00052	14.80	1.06428	0.00051	13.80	1.04821	0.00056
15.00	1.05568	0.00054	15.00	1.07046	0.00053	14.00	1.05394	0.00053
						14.20	1.05944	0.00055
						14.40	1.06600	0.00054
						14.60	1.07252	0.00053
						14.80	1.07884	0.00054
						15.00	1.08371	0.00053

36			40			45		
10.00	0.90589	0.00059	10.00	0.92298	0.00058	9.70	0.92079	0.00059
10.20	0.91749	0.00057	10.20	0.93253	0.00060	9.80	0.92677	0.00059
10.40	0.92866	0.00057	10.40	0.94436	0.00061	9.90	0.93285	0.00064
10.60	0.93751	0.00060	10.60	0.95426	0.00058	10.00	0.93933	0.00058
10.80	0.94851	0.00059	10.80	0.96428	0.00061	10.10	0.94246	0.00060
11.00	0.95746	0.00055	11.00	0.97359	0.00063	10.20	0.94934	0.00062
11.20	0.96769	0.00058	11.20	0.98310	0.00058	10.30	0.95420	0.00062
11.40	0.97668	0.00058	11.40	0.99232	0.00058	10.40	0.96020	0.00061
11.60	0.98569	0.00057	11.60	1.00216	0.00057	10.50	0.96502	0.00058
11.80	0.99316	0.00058	11.80	1.01047	0.00059	10.60	0.97068	0.00062
12.00	1.00209	0.00056	12.00	1.01875	0.00060	10.70	0.97538	0.00060
12.20	1.01065	0.00057	12.20	1.02690	0.00056	10.80	0.97865	0.00059
12.40	1.01816	0.00057	12.40	1.03561	0.00061	10.90	0.98497	0.00062
12.60	1.02722	0.00058	12.60	1.04388	0.00059	11.00	0.98919	0.00060
12.80	1.03400	0.00058	12.80	1.04983	0.00057	11.10	0.99536	0.00061
13.00	1.04132	0.00056	13.00	1.05813	0.00059	11.20	0.99902	0.00061
13.20	1.04933	0.00057	13.20	1.06587	0.00059	11.30	1.00399	0.00059
13.40	1.05566	0.00056	13.40	1.07299	0.00058	11.40	1.00919	0.00059
13.60	1.06347	0.00056	13.60	1.07949	0.00059	11.50	1.01270	0.00061
13.80	1.07070	0.00057	13.80	1.08472	0.00057	11.60	1.01690	0.00060
14.00	1.07656	0.00056	14.00	1.09311	0.00058	11.70	1.02293	0.00058
						11.80	1.02704	0.00061
						11.90	1.03006	0.00061
						12.00	1.03453	0.00062

50			75			100		
9.00	0.89019	0.00059	9.00	0.92147	0.00066	8.80	0.91782	0.00066
9.20	0.90298	0.00061	9.10	0.92628	0.00066	9.00	0.93148	0.00068
9.40	0.91432	0.00061	9.20	0.93420	0.00066	9.20	0.94440	0.00067
9.60	0.92706	0.00058	9.30	0.93876	0.00066	9.40	0.95689	0.00071
9.80	0.93790	0.00062	9.40	0.94526	0.00064	9.60	0.96795	0.00066
10.00	0.94968	0.00061	9.50	0.95200	0.00065	9.80	0.97959	0.00070
10.20	0.96065	0.00063	9.60	0.95819	0.00066	10.00	0.99210	0.00066
10.40	0.97159	0.00061	9.70	0.96413	0.00062	10.20	0.99996	0.00068
10.60	0.98231	0.00063	9.80	0.96912	0.00064	10.40	1.01113	0.00066
10.80	0.99227	0.00063	9.90	0.97582	0.00065	10.60	1.02144	0.00066
11.00	1.00219	0.00061	10.00	0.98156	0.00064	10.80	1.03160	0.00065
11.20	1.01133	0.00061	10.10	0.98676	0.00062	11.00	1.04161	0.00063
11.40	1.02103	0.00060	10.20	0.99241	0.00065	11.20	1.05156	0.00065
11.60	1.03094	0.00059	10.30	0.99680	0.00064	11.40	1.06001	0.00066
11.80	1.03822	0.00061	10.40	1.00233	0.00067	11.60	1.06837	0.00065
12.00	1.04688	0.00061	10.50	1.00706	0.00066	11.80	1.07750	0.00067
12.20	1.05568	0.00060	10.60	1.01263	0.00064	12.00	1.08767	0.00066
12.40	1.06371	0.00060	10.70	1.01885	0.00065			
12.60	1.07202	0.00061	10.80	1.02402	0.00066			
12.80	1.07950	0.00059	10.90	1.02932	0.00067			
13.00	1.08759	0.00061	11.00	1.03382	0.00065			

150			200			350		
8.80	0.92087	0.00071	8.90	0.92128	0.00069	9.00	0.91322	0.00068
8.90	0.92579	0.00066	9.00	0.92850	0.00069	9.20	0.92642	0.00067
9.00	0.93333	0.00066	9.10	0.93489	0.00066	9.40	0.93663	0.00070
9.10	0.93851	0.00066	9.20	0.93937	0.00068	9.60	0.94876	0.00066
9.20	0.94439	0.00070	9.30	0.94561	0.00067	9.80	0.95864	0.00066
9.30	0.95169	0.00065	9.40	0.95252	0.00068	10.00	0.96781	0.00066
9.40	0.95601	0.00069	9.50	0.95724	0.00067	10.20	0.97782	0.00066
9.50	0.96293	0.00068	9.60	0.96266	0.00067	10.40	0.98775	0.00066
9.60	0.96882	0.00066	9.70	0.96736	0.00067	10.60	0.99534	0.00069
9.70	0.97475	0.00066	9.80	0.97411	0.00070	10.80	1.00647	0.00066
9.80	0.97894	0.00066	9.90	0.97870	0.00065	11.00	1.01339	0.00067
9.90	0.98529	0.00069	10.00	0.98373	0.00069	11.20	1.02130	0.00065
10.00	0.99019	0.00066	10.10	0.98865	0.00067	11.40	1.03042	0.00072
10.10	0.99500	0.00066	10.20	0.99429	0.00067	11.60	1.03803	0.00069
10.20	1.00174	0.00067	10.30	0.99866	0.00067	11.80	1.04560	0.00067
10.30	1.00542	0.00068	10.40	1.00330	0.00071	12.00	1.05454	0.00069
10.40	1.01174	0.00065	10.50	1.00964	0.00066	12.20	1.06118	0.00069
10.50	1.01564	0.00069	10.60	1.01269	0.00068	12.40	1.06911	0.00066
10.60	1.02021	0.00069	10.70	1.01778	0.00069	12.60	1.07467	0.00065
10.70	1.02670	0.00064	10.80	1.02294	0.00069	12.80	1.08225	0.00067
10.80	1.02983	0.00066	10.90	1.02832	0.00072	13.00	1.08828	0.00070
10.90	1.03506	0.00066	11.00	1.03238	0.00068			
11.00	1.03984	0.00067						

500			750			1000		
9.00	0.90975	0.00065	9.00	0.91624	0.00066	8.90	0.92571	0.00062
9.20	0.92165	0.00065	9.20	0.92765	0.00066	9.10	0.93654	0.00063
9.40	0.93180	0.00067	9.40	0.93759	0.00065	9.30	0.94743	0.00063
9.60	0.94321	0.00063	9.60	0.94708	0.00065	9.50	0.95756	0.00065
9.80	0.95229	0.00066	9.80	0.95696	0.00066	9.70	0.96657	0.00065
10.00	0.96242	0.00063	10.00	0.96724	0.00067	9.90	0.97758	0.00062
10.20	0.97296	0.00065	10.20	0.97630	0.00065	10.10	0.98645	0.00064
10.40	0.98020	0.00067	10.40	0.98652	0.00062	10.30	0.99449	0.00064
10.60	0.99024	0.00067	10.60	0.99351	0.00064	10.50	1.00359	0.00065
10.80	0.99964	0.00068	10.80	1.00361	0.00064	10.70	1.01240	0.00063
11.00	1.00699	0.00064	11.00	1.01063	0.00064	10.90	1.02158	0.00065
11.20	1.01455	0.00066	11.20	1.01924	0.00068	11.10	1.03086	0.00063
11.40	1.02313	0.00068	11.40	1.02679	0.00064	11.30	1.03695	0.00065
11.60	1.03003	0.00065	11.60	1.03422	0.00065	11.50	1.04421	0.00064
11.80	1.03890	0.00067	11.80	1.04142	0.00066	11.70	1.05259	0.00061
12.00	1.04695	0.00066	12.00	1.04890	0.00068	11.90	1.06008	0.00063
12.20	1.05313	0.00066	12.20	1.05743	0.00067	12.00	1.06328	0.00064
12.40	1.06018	0.00065	12.40	1.06296	0.00068			
12.60	1.06665	0.00066	12.60	1.06834	0.00064			
12.80	1.07372	0.00065	12.80	1.07605	0.00065			
13.00	1.08002	0.00066	13.00	1.08130	0.00064			

1500			2000			2500		
8.00	0.91097	0.00063	7.50	0.92227	0.00062	6.90	0.91943	0.00063
8.05	0.91495	0.00063	7.55	0.92533	0.00061	6.95	0.92324	0.00062
8.10	0.91883	0.00063	7.60	0.92938	0.00062	7.00	0.92751	0.00062
8.15	0.92286	0.00060	7.65	0.93372	0.00064	7.05	0.93130	0.00062
8.20	0.92465	0.00063	7.70	0.93669	0.00061	7.10	0.93565	0.00060
8.25	0.92806	0.00063	7.75	0.93990	0.00064	7.15	0.93865	0.00062
8.30	0.93150	0.00064	7.80	0.94357	0.00062	7.20	0.94368	0.00062
8.35	0.93395	0.00064	7.85	0.94658	0.00062	7.25	0.94672	0.00065
8.40	0.93785	0.00063	7.90	0.95057	0.00063	7.30	0.95112	0.00061
8.45	0.93979	0.00061	7.95	0.95382	0.00059	7.35	0.95453	0.00063
8.50	0.94219	0.00065	8.00	0.95756	0.00063	7.40	0.95873	0.00060
8.55	0.94819	0.00065	8.05	0.95892	0.00062	7.45	0.96211	0.00060
8.60	0.94878	0.00062	8.10	0.96280	0.00061	7.50	0.96766	0.00061
8.65	0.95207	0.00063	8.15	0.96787	0.00065	7.55	0.96962	0.00063
8.70	0.95552	0.00061	8.20	0.97023	0.00061	7.60	0.97465	0.00061
8.75	0.95830	0.00063	8.25	0.97400	0.00064	7.65	0.97889	0.00061
8.80	0.96113	0.00064	8.30	0.97545	0.00062	7.70	0.98127	0.00060
8.85	0.96374	0.00064	8.35	0.97965	0.00060	7.75	0.98488	0.00058
8.90	0.96681	0.00062	8.40	0.98284	0.00062	7.80	0.98890	0.00060
8.95	0.97001	0.00061	8.45	0.98592	0.00063	7.85	0.99276	0.00062
9.00	0.97136	0.00063	8.50	0.98887	0.00064	7.90	0.99479	0.00059
9.05	0.97568	0.00064	8.55	0.99172	0.00062	7.95	0.99992	0.00063
9.10	0.97762	0.00062	8.60	0.99516	0.00060	8.00	1.00255	0.00062
9.15	0.98102	0.00063	8.65	0.99902	0.00062	8.05	1.00651	0.00060
9.20	0.98346	0.00062	8.70	1.00016	0.00060	8.10	1.00904	0.00062
9.25	0.98656	0.00062	8.75	1.00476	0.00062			
9.30	0.98767	0.00063	8.80	1.00680	0.00062			
9.35	0.99144	0.00065	8.85	1.00980	0.00061			
9.40	0.99283	0.00062	8.90	1.01313	0.00061			
9.45	0.99639	0.00063	8.95	1.01745	0.00064			
9.50	0.99860	0.00061	9.00	1.01885	0.00063			
9.55	1.00144	0.00061						
9.60	1.00411	0.00064						
9.65	1.00637	0.00063						

3000			4000			5000		
6.40	0.91813	0.00059	5.70	0.92137	0.00060	5.00	0.90435	0.00059
6.45	0.92290	0.00059	5.75	0.92817	0.00061	5.02	0.90921	0.00058
6.50	0.92711	0.00062	5.80	0.93315	0.00061	5.04	0.90994	0.00060
6.55	0.93089	0.00061	5.85	0.93971	0.00062	5.06	0.91248	0.00059
6.60	0.93637	0.00061	5.90	0.94551	0.00062	5.08	0.91672	0.00058
6.65	0.94028	0.00059	5.95	0.95023	0.00060	5.10	0.91916	0.00059
6.70	0.94281	0.00060	6.00	0.95485	0.00061	5.12	0.92107	0.00058
6.75	0.94893	0.00061	6.05	0.96011	0.00059	5.14	0.92484	0.00062
6.80	0.95372	0.00061	6.10	0.96568	0.00060	5.16	0.92672	0.00060
6.85	0.95686	0.00061	6.15	0.97186	0.00059	5.18	0.93000	0.00060
6.90	0.96243	0.00060	6.20	0.97566	0.00061	5.20	0.93205	0.00058
6.95	0.96628	0.00059	6.25	0.98153	0.00059	5.22	0.93476	0.00059
7.00	0.97054	0.00060	6.30	0.98559	0.00060	5.24	0.93758	0.00058
7.05	0.97478	0.00061	6.35	0.99105	0.00057	5.26	0.93986	0.00060
7.10	0.97780	0.00062	6.40	0.99564	0.00060	5.28	0.94095	0.00059
7.15	0.98216	0.00061	6.45	1.00088	0.00061	5.30	0.94402	0.00058
7.20	0.98760	0.00061	6.50	1.00577	0.00060	5.32	0.94605	0.00059
7.25	0.99042	0.00059	6.55	1.01184	0.00060	5.34	0.94994	0.00059
7.30	0.99419	0.00061	6.60	1.01602	0.00061	5.36	0.95254	0.00061
7.35	0.99847	0.00062				5.38	0.95469	0.00059
7.40	1.00280	0.00061				5.40	0.95566	0.00059
7.45	1.00640	0.00060				5.42	0.95937	0.00057
7.50	1.01090	0.00062				5.44	0.96220	0.00058
						5.46	0.96461	0.00059
						5.48	0.96634	0.00056
						5.50	0.96835	0.00062
						5.52	0.97057	0.00059
						5.54	0.97367	0.00060
						5.56	0.97651	0.00060
						5.58	0.97899	0.00062
						5.60	0.98002	0.00059
						5.62	0.98358	0.00058
						5.64	0.98612	0.00057
						5.66	0.98761	0.00061
						5.68	0.99058	0.00063
						5.70	0.99241	0.00059
						5.72	0.99508	0.00059
						5.74	0.99714	0.00062
						5.76	0.99956	0.00059
						5.78	1.00170	0.00058
						5.80	1.00435	0.00061
						5.82	1.00662	0.00061
						5.84	1.00916	0.00062
						5.86	1.01109	0.00057
						5.88	1.01315	0.00061
						5.90	1.01515	0.00059
						5.92	1.01765	0.00062
						5.94	1.02013	0.00061
						5.96	1.02182	0.00057
						5.98	1.02295	0.00064
						6.00	1.02533	0.00060

6000			7000			7500		
4.60	0.91078	0.00056	4.30	0.91902	0.00059	4.10	0.91148	0.00060
4.62	0.91369	0.00059	4.32	0.92277	0.00056	4.12	0.91354	0.00055
4.64	0.91588	0.00057	4.34	0.92533	0.00057	4.14	0.91823	0.00060
4.66	0.91912	0.00057	4.36	0.92928	0.00056	4.16	0.92121	0.00057
4.68	0.92257	0.00058	4.38	0.93133	0.00059	4.18	0.92458	0.00056
4.70	0.92527	0.00058	4.40	0.93513	0.00057	4.20	0.92882	0.00058
4.72	0.92828	0.00057	4.42	0.93821	0.00057	4.22	0.93178	0.00058
4.74	0.92978	0.00061	4.44	0.94077	0.00058	4.24	0.93585	0.00058
4.76	0.93383	0.00057	4.46	0.94497	0.00057	4.26	0.93724	0.00058
4.78	0.93709	0.00060	4.48	0.94713	0.00057	4.28	0.94156	0.00059
4.80	0.93934	0.00058	4.50	0.94937	0.00060	4.30	0.94516	0.00055
4.82	0.94125	0.00058	4.52	0.95396	0.00058	4.32	0.94833	0.00057
4.84	0.94512	0.00058	4.54	0.95635	0.00058	4.34	0.95085	0.00060
4.86	0.94850	0.00059	4.56	0.96076	0.00058	4.36	0.95521	0.00057
4.88	0.95117	0.00059	4.58	0.96344	0.00060	4.38	0.95909	0.00057
4.90	0.95349	0.00059	4.60	0.96539	0.00058	4.40	0.96082	0.00058
4.92	0.95644	0.00058	4.62	0.96985	0.00058	4.42	0.96463	0.00059
4.94	0.95949	0.00059	4.64	0.97179	0.00057	4.44	0.96770	0.00057
4.96	0.96197	0.00056	4.66	0.97525	0.00058	4.46	0.97100	0.00057
4.98	0.96434	0.00061	4.68	0.97693	0.00060	4.48	0.97395	0.00057
5.00	0.96731	0.00057	4.70	0.98118	0.00058	4.50	0.97667	0.00059
5.02	0.96942	0.00057	4.72	0.98357	0.00057	4.52	0.98023	0.00056
5.04	0.97321	0.00057	4.74	0.98696	0.00059	4.54	0.98369	0.00058
5.06	0.97418	0.00056	4.76	0.99135	0.00059	4.56	0.98692	0.00060
5.08	0.97887	0.00059	4.78	0.99319	0.00058	4.58	0.98919	0.00056
5.10	0.98074	0.00058	4.80	0.99547	0.00058	4.60	0.99291	0.00058
5.12	0.98242	0.00056	4.82	0.99773	0.00059	4.62	0.99595	0.00059
5.14	0.98615	0.00060	4.84	1.00189	0.00060	4.64	0.99839	0.00057
5.16	0.98921	0.00058	4.86	1.00546	0.00056	4.66	1.00270	0.00057
5.18	0.99142	0.00059	4.88	1.00853	0.00059	4.68	1.00456	0.00057
5.20	0.99393	0.00062	4.90	1.00976	0.00059	4.70	1.00801	0.00060
5.22	0.99696	0.00059	4.92	1.01373	0.00060			
5.24	0.99996	0.00058	4.94	1.01619	0.00058			
5.26	1.00171	0.00059	4.96	1.01914	0.00060			
5.28	1.00426	0.00061	4.98	1.02077	0.00060			
5.30	1.00716	0.00059	5.00	1.02555	0.00059			

8000			9000			10000		
4.00	0.91947	0.00054	3.70	0.91100	0.00058	3.50	0.91585	0.00055
4.02	0.92289	0.00057	3.72	0.91514	0.00056	3.52	0.92032	0.00053
4.04	0.92619	0.00059	3.74	0.91892	0.00054	3.54	0.92319	0.00057
4.06	0.92857	0.00056	3.76	0.92276	0.00053	3.56	0.92818	0.00055
4.08	0.93290	0.00056	3.78	0.92603	0.00055	3.58	0.93153	0.00056
4.10	0.93601	0.00057	3.80	0.92932	0.00055	3.60	0.93553	0.00054
4.12	0.94049	0.00058	3.82	0.93345	0.00055	3.62	0.94025	0.00054
4.14	0.94294	0.00057	3.84	0.93741	0.00056	3.64	0.94317	0.00054
4.16	0.94606	0.00057	3.86	0.94151	0.00055	3.66	0.94720	0.00054
4.18	0.95056	0.00056	3.88	0.94458	0.00055	3.68	0.95226	0.00055
4.20	0.95419	0.00055	3.90	0.94844	0.00055	3.70	0.95562	0.00055
4.22	0.95578	0.00059	3.92	0.95161	0.00056	3.72	0.95942	0.00054
4.24	0.96001	0.00059	3.94	0.95550	0.00057	3.74	0.96349	0.00054
4.26	0.96247	0.00059	3.96	0.95845	0.00058	3.76	0.96704	0.00055
4.28	0.96698	0.00057	3.98	0.96258	0.00055	3.78	0.97058	0.00057
4.30	0.96990	0.00056	4.00	0.96673	0.00057	3.80	0.97490	0.00058
4.32	0.97231	0.00059	4.02	0.97054	0.00058	3.82	0.97921	0.00056
4.34	0.97751	0.00058	4.04	0.97260	0.00057	3.84	0.98307	0.00059
4.36	0.98005	0.00057	4.06	0.97609	0.00054	3.86	0.98637	0.00053

4.38	0.98374	0.00058	4.08	0.98085	0.00057	3.88	0.99042	0.00057
4.40	0.98653	0.00059	4.10	0.98434	0.00057	3.90	0.99373	0.00054
4.42	0.98838	0.00060	4.12	0.98761	0.00058	3.92	0.99696	0.00058
4.44	0.99325	0.00059	4.14	0.99153	0.00055	3.94	1.00078	0.00055
4.46	0.99618	0.00056	4.16	0.99487	0.00059	3.96	1.00465	0.00054
4.48	1.00105	0.00059	4.18	0.99832	0.00057	3.98	1.00956	0.00055
4.50	1.00312	0.00058	4.20	1.00294	0.00057	4.00	1.01314	0.00057
4.52	1.00579	0.00061	4.22	1.00646	0.00055			
4.54	1.00971	0.00060	4.24	1.00934	0.00057			
4.56	1.01220	0.00056	4.26	1.01065	0.00057			
4.58	1.01491	0.00058	4.28	1.01610	0.00058			
4.60	1.01948	0.00060	4.30	1.02008	0.00058			

15000			19600		
2.65	0.91120	0.00051	2.15	0.91449	0.00048
2.67	0.91778	0.00049	2.17	0.92251	0.00049
2.69	0.92205	0.00051	2.19	0.92795	0.00048
2.71	0.92713	0.00051	2.21	0.93397	0.00049
2.73	0.93382	0.00050	2.23	0.94179	0.00051
2.75	0.93830	0.00051	2.25	0.94762	0.00049
2.77	0.94323	0.00051	2.27	0.95381	0.00051
2.79	0.94836	0.00054	2.29	0.96027	0.00050
2.81	0.95426	0.00050	2.31	0.96671	0.00049
2.83	0.95877	0.00050	2.33	0.97284	0.00048
2.85	0.96400	0.00051	2.35	0.97899	0.00051
2.87	0.96899	0.00051	2.37	0.98659	0.00050
2.89	0.97349	0.00052	2.39	0.99208	0.00052
2.91	0.97972	0.00050	2.41	0.99826	0.00050
2.93	0.98443	0.00051	2.43	1.00397	0.00052
2.95	0.98885	0.00050	2.45	1.01135	0.00052
2.97	0.99471	0.00055	2.47	1.01686	0.00051
2.99	0.99899	0.00052	2.49	1.02369	0.00050
3.01	1.00352	0.00054	2.50	1.02623	0.00053
3.03	1.00923	0.00054			
3.05	1.01321	0.00052			
3.07	1.01925	0.00052			
3.09	1.02376	0.00053			
3.10	1.02601	0.00055			

sumtable.pu-icyl-0800-10

10			13			15		
999.98	0.99129	0.00019	10.00	0.71585	0.00039	15.00	0.90979	0.00042
999.99	0.99129	0.00019	15.00	0.86030	0.00038	15.25	0.91481	0.00039
			20.00	0.93912	0.00036	15.50	0.91954	0.00041
			20.50	0.94543	0.00035	15.75	0.92426	0.00040
			21.00	0.95008	0.00034	16.00	0.92905	0.00038
			21.50	0.95466	0.00035	16.25	0.93519	0.00039
			22.00	0.96136	0.00035	16.50	0.93882	0.00037
			22.50	0.96545	0.00033	16.75	0.94346	0.00039
			23.00	0.97014	0.00033	17.00	0.94785	0.00040
			23.50	0.97406	0.00034	17.25	0.95073	0.00038
			24.00	0.97754	0.00034	17.50	0.95600	0.00040
			24.50	0.98208	0.00034	17.75	0.95918	0.00039

25.00	0.98528	0.00034
25.50	0.98980	0.00033
26.00	0.99314	0.00033
26.50	0.99618	0.00032
27.00	0.99923	0.00034
27.50	1.00324	0.00031
28.00	1.00459	0.00032
28.50	1.00805	0.00032
29.00	1.01094	0.00031
29.50	1.01197	0.00030
30.00	1.01570	0.00032
35.00	1.03568	0.00029
40.00	1.04955	0.00029
45.00	1.05999	0.00028
50.00	1.06766	0.00028
55.00	1.07366	0.00026
60.00	1.07841	0.00025
65.00	1.08222	0.00026
70.00	1.08556	0.00026
75.00	1.08701	0.00026
80.00	1.08971	0.00024
85.00	1.09167	0.00024
90.00	1.09287	0.00024
95.00	1.09411	0.00024
100.00	1.09476	0.00024
105.00	1.09598	0.00024
110.00	1.09611	0.00023

18.00	0.96319	0.00040
18.25	0.96695	0.00037
18.50	0.97113	0.00038
18.75	0.97459	0.00037
19.00	0.97861	0.00038
19.25	0.98138	0.00037
19.50	0.98452	0.00037
19.75	0.98751	0.00037
20.00	0.99091	0.00037
20.25	0.99354	0.00036
20.50	0.99682	0.00038
20.75	0.99987	0.00038
21.00	1.00318	0.00037
21.25	1.00491	0.00037
21.50	1.00832	0.00037
21.75	1.01021	0.00037
22.00	1.01272	0.00037

18		
13.00	0.91771	0.00044
13.25	0.92390	0.00044
13.50	0.93122	0.00043
13.75	0.93727	0.00042
14.00	0.94425	0.00043
14.25	0.95054	0.00044
14.50	0.95653	0.00045
14.75	0.96155	0.00043
15.00	0.96769	0.00042
15.25	0.97371	0.00043
15.50	0.97796	0.00043
15.75	0.98399	0.00043
16.00	0.98912	0.00043
16.25	0.99417	0.00042
16.50	0.99912	0.00043
16.75	1.00383	0.00042
17.00	1.00879	0.00042
17.25	1.01256	0.00044
17.50	1.01603	0.00041
17.75	1.02139	0.00040
18.00	1.02454	0.00041
18.25	1.02828	0.00040
18.50	1.03278	0.00043
18.75	1.03709	0.00041
19.00	1.03945	0.00040
19.25	1.04361	0.00040
19.50	1.04666	0.00041
19.75	1.04944	0.00041
20.00	1.05234	0.00041

20		
12.00	0.91736	0.00046
12.25	0.92452	0.00044
12.50	0.93295	0.00045
12.75	0.94076	0.00046
13.00	0.94721	0.00045
13.25	0.95509	0.00046
13.50	0.96183	0.00044
13.75	0.96961	0.00045
14.00	0.97517	0.00044
14.25	0.98245	0.00044
14.50	0.98836	0.00045
14.75	0.99347	0.00043
15.00	1.00019	0.00045
15.25	1.00453	0.00043
15.50	1.01032	0.00045
15.75	1.01611	0.00044
16.00	1.02069	0.00044
16.25	1.02611	0.00044
16.50	1.03052	0.00045
16.75	1.03544	0.00042
17.00	1.04006	0.00043

22		
11.00	0.90580	0.00050
11.25	0.91533	0.00048
11.50	0.92466	0.00049
11.75	0.93393	0.00047
12.00	0.94165	0.00048
12.25	0.95072	0.00048
12.50	0.95931	0.00047
12.75	0.96599	0.00048
13.00	0.97410	0.00046
13.25	0.98143	0.00047
13.50	0.98926	0.00046
13.75	0.99538	0.00046
14.00	1.00181	0.00045
14.25	1.00914	0.00047
14.50	1.01515	0.00046
14.75	1.02216	0.00046
15.00	1.02672	0.00045
15.25	1.03262	0.00046
15.50	1.03743	0.00046
15.75	1.04282	0.00044
16.00	1.04866	0.00047

24			25			26		
10.90	0.92474	0.00049	10.00	0.89451	0.00050	10.00	0.90395	0.00050
11.10	0.93221	0.00048	10.20	0.90347	0.00049	10.20	0.91451	0.00048
11.30	0.93868	0.00048	10.40	0.91262	0.00050	10.40	0.92197	0.00051
11.50	0.94714	0.00050	10.60	0.92145	0.00050	10.60	0.92961	0.00052
11.70	0.95346	0.00051	10.80	0.93016	0.00050	10.80	0.93854	0.00050
11.90	0.96126	0.00047	11.00	0.93792	0.00048	11.00	0.94690	0.00052
12.10	0.96719	0.00048	11.20	0.94588	0.00049	11.20	0.95477	0.00049
12.30	0.97462	0.00049	11.40	0.95228	0.00048	11.40	0.96328	0.00049
12.50	0.98173	0.00048	11.60	0.96113	0.00048	11.60	0.96971	0.00051
12.70	0.98721	0.00050	11.80	0.96687	0.00049	11.80	0.97756	0.00049
12.90	0.99382	0.00048	12.00	0.97561	0.00050	12.00	0.98455	0.00050
13.10	1.00024	0.00047	12.20	0.98095	0.00050	12.20	0.99076	0.00049
13.30	1.00651	0.00048	12.40	0.98837	0.00049	12.40	0.99725	0.00050
13.50	1.01111	0.00047	12.60	0.99401	0.00048	12.60	1.00382	0.00048
13.70	1.01661	0.00047	12.80	1.00154	0.00049	12.80	1.01098	0.00049
13.90	1.02235	0.00047	13.00	1.00706	0.00050	13.00	1.01759	0.00048
14.10	1.02733	0.00048	13.20	1.01315	0.00049	13.20	1.02217	0.00048
14.30	1.03397	0.00046	13.40	1.01879	0.00048	13.40	1.02842	0.00049
14.50	1.03739	0.00045	13.60	1.02493	0.00048	13.60	1.03397	0.00050
14.70	1.04312	0.00048	13.80	1.02967	0.00046	13.80	1.03961	0.00048
14.90	1.04741	0.00045	14.00	1.03751	0.00049	14.00	1.04560	0.00049
15.00	1.05054	0.00047	14.20	1.04064	0.00047	14.20	1.05027	0.00050
			14.40	1.04664	0.00049	14.40	1.05564	0.00051
			14.60	1.05128	0.00048	14.60	1.06075	0.00049
			14.80	1.05592	0.00048	14.80	1.06517	0.00049
			15.00	1.06090	0.00049	15.00	1.07096	0.00046

28			30			32		
10.00	0.92074	0.00051	9.00	0.88535	0.00052	9.00	0.89882	0.00054
10.20	0.93021	0.00052	9.20	0.89647	0.00051	9.25	0.91053	0.00054
10.40	0.93823	0.00052	9.40	0.90703	0.00052	9.50	0.92431	0.00053
10.60	0.94675	0.00051	9.60	0.91640	0.00053	9.75	0.93512	0.00052
10.80	0.95589	0.00051	9.80	0.92631	0.00052	10.00	0.94832	0.00052
11.00	0.96316	0.00050	10.00	0.93570	0.00050	10.25	0.95926	0.00053
11.20	0.97248	0.00051	10.20	0.94400	0.00053	10.50	0.97073	0.00051
11.40	0.97958	0.00050	10.40	0.95297	0.00053	10.75	0.98129	0.00054
11.60	0.98720	0.00052	10.60	0.96195	0.00052	11.00	0.99158	0.00052
11.80	0.99409	0.00051	10.80	0.97016	0.00052	11.25	1.00034	0.00051
12.00	1.00110	0.00050	11.00	0.97952	0.00052	11.50	1.01026	0.00052
12.20	1.00833	0.00051	11.20	0.98618	0.00052	11.75	1.02051	0.00053
12.40	1.01484	0.00050	11.40	0.99444	0.00052	12.00	1.03018	0.00053
12.60	1.02152	0.00047	11.60	1.00190	0.00053	12.25	1.03821	0.00054
12.80	1.02749	0.00050	11.80	1.00921	0.00051	12.50	1.04607	0.00053
13.00	1.03418	0.00052	12.00	1.01635	0.00051	12.75	1.05582	0.00052
13.20	1.03973	0.00050	12.20	1.02322	0.00051	13.00	1.06279	0.00053
13.40	1.04634	0.00050	12.40	1.03004	0.00050	13.25	1.06921	0.00052
13.60	1.05191	0.00050	12.60	1.03698	0.00050	13.50	1.07677	0.00053
13.80	1.05725	0.00049	12.80	1.04340	0.00051	13.75	1.08489	0.00049
14.00	1.06274	0.00049	13.00	1.04864	0.00051	14.00	1.09161	0.00052
			13.20	1.05538	0.00052			
			13.40	1.06101	0.00049			

36			40			45		
9.00	0.91939	0.00054	8.80	0.92555	0.00056	8.00	0.89451	0.00058
9.20	0.92999	0.00054	8.90	0.93162	0.00056	8.20	0.90839	0.00055
9.40	0.94139	0.00055	9.00	0.93693	0.00053	8.40	0.91933	0.00057
9.60	0.95116	0.00055	9.10	0.94170	0.00055	8.60	0.93234	0.00055
9.80	0.96021	0.00056	9.20	0.94734	0.00058	8.80	0.94400	0.00057
10.00	0.96907	0.00054	9.30	0.95330	0.00055	9.00	0.95300	0.00058
10.20	0.97903	0.00054	9.40	0.95746	0.00055	9.20	0.96483	0.00056
10.40	0.98847	0.00054	9.50	0.96312	0.00054	9.40	0.97498	0.00055
10.60	0.99625	0.00052	9.60	0.96820	0.00055	9.60	0.98530	0.00058
10.80	1.00553	0.00054	9.70	0.97362	0.00055	9.80	0.99513	0.00056
11.00	1.01289	0.00054	9.80	0.97822	0.00056	10.00	1.00457	0.00057
11.20	1.02256	0.00056	9.90	0.98239	0.00056	10.20	1.01461	0.00058
11.40	1.02923	0.00054	10.00	0.98741	0.00056	10.40	1.02278	0.00057
11.60	1.03716	0.00053	10.10	0.99189	0.00054	10.60	1.03136	0.00056
11.80	1.04499	0.00054	10.20	0.99638	0.00055	10.80	1.03951	0.00057
12.00	1.05055	0.00055	10.30	1.00230	0.00055	11.00	1.04898	0.00057
12.20	1.05976	0.00053	10.40	1.00498	0.00055	11.20	1.05695	0.00056
12.40	1.06462	0.00055	10.50	1.01024	0.00056	11.40	1.06358	0.00056
12.60	1.07269	0.00055	10.60	1.01395	0.00057	11.60	1.07116	0.00056
12.80	1.07788	0.00053	10.70	1.01878	0.00056	11.80	1.08011	0.00058
13.00	1.08493	0.00056	10.80	1.02277	0.00054	12.00	1.08747	0.00056
			10.90	1.02653	0.00055			
			11.00	1.03197	0.00055			

50			75			100		
8.00	0.90807	0.00059	7.60	0.92055	0.00058	7.40	0.92289	0.00062
8.10	0.91480	0.00057	7.70	0.92724	0.00059	7.45	0.92622	0.00061
8.20	0.92132	0.00056	7.80	0.93376	0.00061	7.50	0.92962	0.00062
8.30	0.92642	0.00058	7.90	0.93998	0.00061	7.55	0.93341	0.00061
8.40	0.93332	0.00059	8.00	0.94686	0.00059	7.60	0.93569	0.00061
8.50	0.93876	0.00059	8.10	0.95311	0.00060	7.65	0.93972	0.00061
8.60	0.94502	0.00058	8.20	0.95803	0.00062	7.70	0.94274	0.00062
8.70	0.95207	0.00059	8.30	0.96524	0.00061	7.75	0.94521	0.00060
8.80	0.95657	0.00059	8.40	0.97120	0.00060	7.80	0.94899	0.00062
8.90	0.96115	0.00055	8.50	0.97662	0.00060	7.85	0.95144	0.00062
9.00	0.96878	0.00055	8.60	0.98243	0.00059	7.90	0.95446	0.00065
9.10	0.97257	0.00057	8.70	0.98802	0.00059	7.95	0.95804	0.00060
9.20	0.97722	0.00059	8.80	0.99407	0.00060	8.00	0.96101	0.00062
9.30	0.98362	0.00057	8.90	0.99717	0.00060	8.05	0.96385	0.00062
9.40	0.98813	0.00059	9.00	1.00450	0.00060	8.10	0.96759	0.00062
9.50	0.99380	0.00058	9.10	1.01078	0.00061	8.15	0.96895	0.00063
9.60	0.99903	0.00056	9.20	1.01450	0.00060	8.20	0.97293	0.00062
9.70	1.00332	0.00059	9.30	1.01991	0.00060	8.25	0.97625	0.00061
9.80	1.00933	0.00055	9.40	1.02517	0.00059	8.30	0.97949	0.00061
9.90	1.01352	0.00057	9.50	1.03042	0.00061	8.35	0.98146	0.00061
10.00	1.01792	0.00056				8.40	0.98426	0.00059
						8.45	0.98909	0.00063
						8.50	0.98919	0.00062
						8.55	0.99274	0.00062
						8.60	0.99555	0.00063
						8.65	0.99882	0.00062
						8.70	1.00119	0.00062
						8.75	1.00392	0.00061
						8.80	1.00669	0.00058
						8.85	1.00976	0.00061

150			200			350		
7.00	0.90537	0.00064	7.00	0.90679	0.00062	7.30	0.92165	0.00064
7.10	0.91151	0.00064	7.10	0.91134	0.00062	7.35	0.92249	0.00063
7.20	0.91873	0.00063	7.20	0.91915	0.00062	7.40	0.92544	0.00061
7.30	0.92421	0.00062	7.30	0.92512	0.00061	7.45	0.92918	0.00062
7.40	0.93215	0.00063	7.40	0.93076	0.00061	7.50	0.93183	0.00065
7.50	0.93792	0.00060	7.50	0.93849	0.00064	7.55	0.93390	0.00062
7.60	0.94371	0.00063	7.60	0.94273	0.00064	7.60	0.93653	0.00061
7.70	0.95168	0.00064	7.70	0.94855	0.00063	7.65	0.94026	0.00062
7.80	0.95572	0.00063	7.80	0.95615	0.00065	7.70	0.94324	0.00063
7.90	0.96186	0.00064	7.90	0.96080	0.00064	7.75	0.94606	0.00062
8.00	0.96676	0.00062	8.00	0.96741	0.00064	7.80	0.94836	0.00062
8.10	0.97372	0.00064	8.10	0.97213	0.00063	7.85	0.95115	0.00063
8.20	0.98039	0.00062	8.20	0.97843	0.00064	7.90	0.95456	0.00063
8.30	0.98477	0.00063	8.30	0.98267	0.00063	7.95	0.95646	0.00061
8.40	0.99086	0.00064	8.40	0.98738	0.00064	8.00	0.95757	0.00059
8.50	0.99702	0.00064	8.50	0.99464	0.00066	8.05	0.96150	0.00063
8.60	1.00163	0.00062	8.60	1.00030	0.00064	8.10	0.96446	0.00062
8.70	1.00628	0.00062	8.70	1.00386	0.00064	8.15	0.96647	0.00063
8.80	1.01219	0.00062	8.80	1.01005	0.00063	8.20	0.96907	0.00063
8.90	1.01800	0.00064	8.90	1.01490	0.00061	8.25	0.97365	0.00066
9.00	1.02256	0.00063	9.00	1.01996	0.00065	8.30	0.97358	0.00063
						8.35	0.97658	0.00061
						8.40	0.97921	0.00063
						8.45	0.98128	0.00063
						8.50	0.98574	0.00065
						8.55	0.98725	0.00066
						8.60	0.98938	0.00064
						8.65	0.99205	0.00064
						8.70	0.99502	0.00064
						8.75	0.99648	0.00062
						8.80	1.00029	0.00063
						8.85	1.00136	0.00063
						8.90	1.00295	0.00064
						8.95	1.00675	0.00062
						9.00	1.00769	0.00065

500			750			1000		
7.40	0.92522	0.00063	7.00	0.90748	0.00062	7.00	0.92304	0.00060
7.45	0.92803	0.00064	7.10	0.91438	0.00059	7.10	0.92768	0.00059
7.50	0.92914	0.00061	7.20	0.92017	0.00061	7.20	0.93311	0.00059
7.55	0.93225	0.00062	7.30	0.92633	0.00061	7.30	0.93781	0.00062
7.60	0.93506	0.00063	7.40	0.93066	0.00060	7.40	0.94432	0.00063
7.65	0.93801	0.00065	7.50	0.93686	0.00063	7.50	0.94896	0.00060
7.70	0.94051	0.00063	7.60	0.94176	0.00063	7.60	0.95542	0.00059
7.75	0.94320	0.00063	7.70	0.94694	0.00063	7.70	0.96182	0.00060
7.80	0.94581	0.00062	7.80	0.95270	0.00063	7.80	0.96521	0.00060
7.85	0.94926	0.00063	7.90	0.95795	0.00060	7.90	0.97113	0.00062
7.90	0.95108	0.00062	8.00	0.96225	0.00061	8.00	0.97510	0.00061
7.95	0.95447	0.00061	8.10	0.96650	0.00064	8.10	0.97862	0.00062
8.00	0.95655	0.00063	8.20	0.97163	0.00063	8.20	0.98506	0.00063
8.05	0.95884	0.00063	8.30	0.97622	0.00065	8.30	0.98954	0.00061
8.10	0.96132	0.00061	8.40	0.98178	0.00061	8.40	0.99448	0.00061
8.15	0.96480	0.00065	8.50	0.98690	0.00060	8.50	0.99934	0.00062
8.20	0.96559	0.00061	8.60	0.99054	0.00064	8.60	1.00502	0.00061
8.25	0.96832	0.00061	8.70	0.99456	0.00060	8.70	1.00761	0.00061

8.30	0.97023	0.00062
8.35	0.97357	0.00060
8.40	0.97563	0.00063
8.45	0.97831	0.00060
8.50	0.98045	0.00063
8.55	0.98262	0.00064
8.60	0.98534	0.00062
8.65	0.98803	0.00062
8.70	0.98997	0.00063
8.75	0.99270	0.00066
8.80	0.99495	0.00062
8.85	0.99586	0.00062
8.90	0.99877	0.00063
8.95	1.00085	0.00062
9.00	1.00313	0.00063
9.05	1.00549	0.00063
9.10	1.00626	0.00059
9.15	1.01066	0.00065
9.20	1.01160	0.00062

8.80	0.99952	0.00063
8.90	1.00348	0.00060
9.00	1.00756	0.00064

8.80	1.01358	0.00062
8.90	1.01751	0.00061
9.00	1.02118	0.00060

1500		
6.50	0.92456	0.00059
6.60	0.93098	0.00061
6.70	0.93814	0.00058
6.80	0.94393	0.00062
6.90	0.94943	0.00061
7.00	0.95598	0.00058
7.10	0.96214	0.00059
7.20	0.96893	0.00058
7.30	0.97420	0.00061
7.40	0.98005	0.00059
7.50	0.98537	0.00061
7.60	0.99162	0.00061
7.70	0.99679	0.00059
7.80	1.00116	0.00060
7.90	1.00629	0.00060
8.00	1.01190	0.00060
8.10	1.01651	0.00061
8.20	1.02200	0.00061
8.30	1.02763	0.00056
8.40	1.03268	0.00061
8.50	1.03711	0.00060

2000		
5.90	0.91992	0.00058
5.95	0.92201	0.00060
6.00	0.92733	0.00059
6.05	0.93060	0.00058
6.10	0.93405	0.00062
6.15	0.93934	0.00058
6.20	0.94215	0.00060
6.25	0.94502	0.00060
6.30	0.94946	0.00059
6.35	0.95370	0.00059
6.40	0.95699	0.00059
6.45	0.96029	0.00060
6.50	0.96253	0.00058
6.55	0.96617	0.00058
6.60	0.97096	0.00061
6.65	0.97290	0.00059
6.70	0.97725	0.00060
6.75	0.98039	0.00061
6.80	0.98419	0.00060
6.85	0.98582	0.00059
6.90	0.99002	0.00061
6.95	0.99320	0.00059
7.00	0.99575	0.00059
7.05	0.99983	0.00060
7.10	1.00219	0.00055
7.15	1.00635	0.00058
7.20	1.00726	0.00061

2500		
5.50	0.92409	0.00058
5.55	0.92850	0.00057
5.60	0.93228	0.00057
5.65	0.93630	0.00058
5.70	0.94012	0.00059
5.75	0.94430	0.00057
5.80	0.94932	0.00058
5.85	0.95208	0.00058
5.90	0.95681	0.00058
5.95	0.96096	0.00057
6.00	0.96552	0.00059
6.05	0.96876	0.00059
6.10	0.97318	0.00061
6.15	0.97694	0.00059
6.20	0.98041	0.00058
6.25	0.98355	0.00061
6.30	0.98865	0.00059
6.35	0.99255	0.00061
6.40	0.99537	0.00057
6.45	0.99924	0.00057
6.50	1.00215	0.00060
6.55	1.00604	0.00059
6.60	1.01132	0.00060

3000			4000			5000		
5.00	0.91224	0.00058	4.50	0.92094	0.00056	4.00	0.91382	0.00056
5.05	0.91679	0.00060	4.55	0.92784	0.00057	4.02	0.91683	0.00057
5.10	0.92304	0.00056	4.60	0.93356	0.00057	4.04	0.91953	0.00057
5.15	0.92714	0.00058	4.65	0.93994	0.00058	4.06	0.92273	0.00058
5.20	0.93184	0.00059	4.70	0.94487	0.00057	4.08	0.92475	0.00057
5.25	0.93632	0.00057	4.75	0.95033	0.00059	4.10	0.92789	0.00060
5.30	0.94125	0.00060	4.80	0.95603	0.00058	4.12	0.92986	0.00059
5.35	0.94588	0.00059	4.85	0.96111	0.00060	4.14	0.93331	0.00061
5.40	0.95061	0.00060	4.90	0.96671	0.00059	4.16	0.93493	0.00057
5.45	0.95468	0.00059	4.95	0.97259	0.00056	4.18	0.93803	0.00058
5.50	0.96048	0.00059	5.00	0.97755	0.00056	4.20	0.94069	0.00059
5.55	0.96480	0.00060	5.05	0.98292	0.00062	4.22	0.94304	0.00058
5.60	0.96784	0.00059	5.10	0.98841	0.00057	4.24	0.94599	0.00057
5.65	0.97248	0.00061	5.15	0.99298	0.00059	4.26	0.94890	0.00055
5.70	0.97651	0.00061	5.20	0.99764	0.00056	4.28	0.95108	0.00058
5.75	0.98090	0.00058	5.25	1.00390	0.00060	4.30	0.95384	0.00058
5.80	0.98574	0.00058	5.30	1.00839	0.00059	4.32	0.95681	0.00058
5.85	0.99007	0.00061				4.34	0.95904	0.00056
5.90	0.99426	0.00058				4.36	0.96097	0.00060
5.95	0.99879	0.00058				4.38	0.96423	0.00059
6.00	1.00198	0.00060				4.40	0.96665	0.00058
6.05	1.00689	0.00059				4.42	0.96896	0.00059
6.10	1.01034	0.00057				4.44	0.97190	0.00059
						4.46	0.97396	0.00058
						4.48	0.97701	0.00058
						4.50	0.97980	0.00058
						4.52	0.98236	0.00058
						4.54	0.98458	0.00060
						4.56	0.98657	0.00060
						4.58	0.98940	0.00059
						4.60	0.99239	0.00060
						4.62	0.99405	0.00056
						4.64	0.99637	0.00061
						4.66	0.99964	0.00060
						4.68	1.00013	0.00056
						4.70	1.00226	0.00060

6000			7000			7500		
3.70	0.92029	0.00056	3.40	0.91654	0.00056	3.30	0.92116	0.00057
3.72	0.92387	0.00057	3.42	0.92027	0.00059	3.32	0.92383	0.00056
3.74	0.92736	0.00057	3.44	0.92393	0.00055	3.34	0.92713	0.00054
3.76	0.92907	0.00059	3.46	0.92726	0.00058	3.36	0.93141	0.00058
3.78	0.93288	0.00056	3.48	0.93027	0.00055	3.38	0.93583	0.00057
3.80	0.93572	0.00057	3.50	0.93400	0.00057	3.40	0.93897	0.00058
3.82	0.93770	0.00057	3.52	0.93619	0.00056	3.42	0.94181	0.00059
3.84	0.94189	0.00056	3.54	0.94109	0.00059	3.44	0.94453	0.00059
3.86	0.94401	0.00057	3.56	0.94408	0.00057	3.46	0.94855	0.00057
3.88	0.94769	0.00058	3.58	0.94694	0.00057	3.48	0.95263	0.00058
3.90	0.94957	0.00059	3.60	0.94923	0.00060	3.50	0.95560	0.00057
3.92	0.95424	0.00058	3.62	0.95342	0.00057	3.52	0.95987	0.00058
3.94	0.95543	0.00059	3.64	0.95724	0.00056	3.54	0.96286	0.00056
3.96	0.95880	0.00059	3.66	0.96084	0.00057	3.56	0.96658	0.00059
3.98	0.96203	0.00058	3.68	0.96309	0.00058	3.58	0.96855	0.00058
4.00	0.96457	0.00057	3.70	0.96687	0.00060	3.60	0.97298	0.00058
4.02	0.96733	0.00060	3.72	0.96993	0.00060	3.62	0.97584	0.00059
4.04	0.96956	0.00058	3.74	0.97361	0.00058	3.64	0.97875	0.00057
4.06	0.97296	0.00058	3.76	0.97594	0.00057	3.66	0.98293	0.00057

4.08	0.97614	0.00058
4.10	0.97882	0.00059
4.12	0.98203	0.00058
4.14	0.98456	0.00059
4.16	0.98775	0.00059
4.18	0.99099	0.00057
4.20	0.99273	0.00060
4.22	0.99620	0.00059
4.24	0.99954	0.00060
4.26	1.00160	0.00058
4.28	1.00368	0.00058
4.30	1.00772	0.00061

3.78	0.97877	0.00058
3.80	0.98218	0.00058
3.82	0.98583	0.00059
3.84	0.98928	0.00057
3.86	0.99189	0.00058
3.88	0.99591	0.00058
3.90	0.99737	0.00058
3.92	1.00199	0.00058
3.94	1.00415	0.00059
3.96	1.00656	0.00058
3.98	1.01046	0.00058
4.00	1.01461	0.00060

3.68	0.98571	0.00062
3.70	0.98916	0.00061
3.72	0.99240	0.00061
3.74	0.99602	0.00059
3.76	0.99812	0.00058
3.78	1.00328	0.00057
3.80	1.00564	0.00060
3.82	1.00892	0.00058
3.84	1.01233	0.00057
3.86	1.01478	0.00057
3.88	1.01691	0.00060
3.90	1.02168	0.00059
3.92	1.02520	0.00058
3.94	1.02736	0.00058
3.96	1.03204	0.00059
3.98	1.03362	0.00057
4.00	1.03695	0.00059

8000

3.10	0.90499	0.00056
3.12	0.90871	0.00056
3.14	0.91216	0.00058
3.16	0.91580	0.00055
3.18	0.91952	0.00058
3.20	0.92336	0.00056
3.22	0.92692	0.00055
3.24	0.93064	0.00055
3.26	0.93330	0.00054
3.28	0.93805	0.00056
3.30	0.94144	0.00059
3.32	0.94437	0.00057
3.34	0.94900	0.00058
3.36	0.95260	0.00059
3.38	0.95571	0.00060
3.40	0.95950	0.00059
3.42	0.96173	0.00059
3.44	0.96657	0.00058
3.46	0.97071	0.00061
3.48	0.97348	0.00057
3.50	0.97621	0.00055
3.52	0.98143	0.00055
3.54	0.98428	0.00058
3.56	0.98754	0.00058
3.58	0.99060	0.00058
3.60	0.99403	0.00060
3.62	0.99727	0.00060
3.64	1.00023	0.00056
3.66	1.00484	0.00060
3.68	1.00803	0.00058
3.70	1.01172	0.00055

9000

2.90	0.90254	0.00055
2.92	0.90650	0.00057
2.94	0.91159	0.00056
2.96	0.91511	0.00055
2.98	0.91903	0.00054
3.00	0.92305	0.00058
3.02	0.92752	0.00055
3.04	0.93149	0.00056
3.06	0.93577	0.00058
3.08	0.93832	0.00057
3.10	0.94471	0.00055
3.12	0.94732	0.00058
3.14	0.95064	0.00055
3.16	0.95472	0.00057
3.18	0.95909	0.00057
3.20	0.96270	0.00058
3.22	0.96740	0.00056
3.24	0.96978	0.00055
3.26	0.97290	0.00059
3.28	0.97773	0.00056
3.30	0.98218	0.00059
3.32	0.98543	0.00058
3.34	0.98927	0.00057
3.36	0.99176	0.00058
3.38	0.99632	0.00057
3.40	1.00010	0.00059
3.42	1.00470	0.00058
3.44	1.00764	0.00059
3.46	1.01141	0.00058
3.48	1.01544	0.00058
3.50	1.01925	0.00059

10000

2.80	0.91924	0.00059
2.82	0.92282	0.00057
2.84	0.92779	0.00058
2.86	0.93147	0.00054
2.88	0.93608	0.00059
2.90	0.94016	0.00057
2.92	0.94407	0.00057
2.94	0.94841	0.00054
2.96	0.95271	0.00057
2.98	0.95737	0.00057
3.00	0.96101	0.00057
3.02	0.96509	0.00055
3.04	0.96954	0.00056
3.06	0.97328	0.00057
3.08	0.97720	0.00057
3.10	0.98190	0.00055
3.12	0.98429	0.00056
3.14	0.98950	0.00058
3.16	0.99383	0.00059
3.18	0.99836	0.00058
3.20	1.00057	0.00059
3.22	1.00597	0.00057
3.24	1.00968	0.00059
3.26	1.01310	0.00058
3.28	1.01790	0.00058
3.30	1.02134	0.00058

15000			19600		
2.15	0.91607	0.00055	1.75	0.91092	0.00053
2.17	0.92166	0.00054	1.77	0.91577	0.00052
2.19	0.92703	0.00054	1.79	0.92354	0.00053
2.21	0.93296	0.00055	1.81	0.93109	0.00055
2.23	0.93960	0.00055	1.83	0.93806	0.00054
2.25	0.94491	0.00055	1.85	0.94603	0.00053
2.27	0.95053	0.00056	1.87	0.95207	0.00054
2.29	0.95538	0.00055	1.89	0.95988	0.00053
2.31	0.96073	0.00057	1.91	0.96668	0.00054
2.33	0.96693	0.00056	1.93	0.97327	0.00056
2.35	0.97160	0.00055	1.95	0.98042	0.00055
2.37	0.97799	0.00057	1.97	0.98736	0.00053
2.39	0.98366	0.00056	1.99	0.99378	0.00057
2.41	0.98992	0.00056	2.01	1.00119	0.00055
2.43	0.99562	0.00058	2.03	1.00838	0.00057
2.45	0.99951	0.00055	2.05	1.01511	0.00054
2.47	1.00574	0.00057			
2.49	1.01084	0.00053			
2.50	1.01335	0.00057			

sumtable.pu-icyl-0850-00

10			13			15		
20.00	0.84255	0.00036	19.00	0.92363	0.00041	16.00	0.90622	0.00046
22.50	0.87552	0.00034	19.25	0.92870	0.00040	16.25	0.91370	0.00044
25.00	0.90009	0.00033	19.50	0.93364	0.00041	16.50	0.92012	0.00046
27.50	0.91947	0.00033	19.75	0.93770	0.00038	16.75	0.92699	0.00044
30.00	0.93579	0.00030	20.00	0.94184	0.00040	17.00	0.93274	0.00044
30.50	0.93853	0.00029	20.25	0.94534	0.00039	17.25	0.93865	0.00045
31.00	0.94162	0.00029	20.50	0.95001	0.00039	17.50	0.94452	0.00044
31.50	0.94351	0.00030	20.75	0.95360	0.00039	17.75	0.94988	0.00043
32.00	0.94593	0.00030	21.00	0.95684	0.00039	18.00	0.95496	0.00044
32.50	0.94773	0.00029	21.25	0.96069	0.00041	18.25	0.96070	0.00042
33.00	0.95120	0.00029	21.50	0.96397	0.00039	18.50	0.96446	0.00043
33.50	0.95289	0.00028	21.75	0.96833	0.00038	18.75	0.96964	0.00043
34.00	0.95484	0.00030	22.00	0.97113	0.00040	19.00	0.97509	0.00044
34.50	0.95739	0.00029	22.25	0.97389	0.00039	19.25	0.97979	0.00042
35.00	0.95934	0.00028	22.50	0.97754	0.00038	19.50	0.98434	0.00042
35.50	0.96044	0.00028	22.75	0.98052	0.00038	19.75	0.98857	0.00042
36.00	0.96312	0.00028	23.00	0.98324	0.00037	20.00	0.99327	0.00040
36.50	0.96485	0.00028	23.25	0.98616	0.00038	20.25	0.99728	0.00042
37.00	0.96563	0.00027	23.50	0.98882	0.00037	20.50	1.00107	0.00042
37.50	0.96869	0.00028	23.75	0.99185	0.00039	20.75	1.00635	0.00043
38.00	0.96934	0.00028	24.00	0.99416	0.00037	21.00	1.00926	0.00040
38.50	0.97079	0.00029	24.25	0.99752	0.00038	21.25	1.01335	0.00043
39.00	0.97190	0.00028	24.50	0.99997	0.00037	21.50	1.01624	0.00042
39.50	0.97401	0.00026	24.75	1.00327	0.00038	21.75	1.01978	0.00043
40.00	0.97556	0.00028	25.00	1.00499	0.00039	22.00	1.02314	0.00042
40.50	0.97609	0.00028	25.25	1.00694	0.00035	22.25	1.02726	0.00038
41.00	0.97778	0.00028	25.50	1.01033	0.00037	22.50	1.03072	0.00040
41.50	0.97882	0.00026	25.75	1.01185	0.00036	22.75	1.03342	0.00040
42.00	0.98045	0.00027	26.00	1.01365	0.00036	23.00	1.03633	0.00040
42.50	0.98096	0.00027						
43.00	0.98256	0.00026						
43.50	0.98397	0.00026						
44.00	0.98534	0.00026						
44.50	0.98585	0.00026						
45.00	0.98716	0.00027						

45.50	0.98762	0.00026
46.00	0.98925	0.00025
46.50	0.99031	0.00026
47.00	0.99037	0.00025
47.50	0.99133	0.00024
48.00	0.99222	0.00026
48.50	0.99209	0.00026
49.00	0.99437	0.00025
49.50	0.99398	0.00024
50.00	0.99585	0.00025
50.50	0.99566	0.00024
51.00	0.99661	0.00024
51.50	0.99733	0.00024
52.00	0.99773	0.00025
52.50	0.99889	0.00025
53.00	0.99932	0.00024
53.50	1.00020	0.00024
54.00	1.00093	0.00024
54.50	1.00094	0.00023
55.00	1.00270	0.00024
57.50	1.00435	0.00024
60.00	1.00718	0.00023
62.50	1.00897	0.00022
65.00	1.01104	0.00023
67.50	1.01209	0.00023
70.00	1.01389	0.00023
72.50	1.01565	0.00022
75.00	1.01739	0.00021
77.50	1.01794	0.00022
80.00	1.01892	0.00022
82.50	1.02038	0.00022
85.00	1.02090	0.00021
87.50	1.02079	0.00021
90.00	1.02239	0.00021
92.50	1.02354	0.00021
95.00	1.02384	0.00020
97.50	1.02447	0.00021
100.00	1.02483	0.00020
102.50	1.02489	0.00021
105.00	1.02563	0.00021
107.50	1.02639	0.00021
110.00	1.02592	0.00020

18			20			22		
14.00	0.90046	0.00049	13.00	0.88979	0.00051	13.00	0.91365	0.00056
14.25	0.90911	0.00049	13.25	0.89994	0.00052	13.25	0.92428	0.00053
14.50	0.91795	0.00049	13.50	0.90991	0.00053	13.50	0.93450	0.00053
14.75	0.92587	0.00049	13.75	0.92001	0.00052	13.75	0.94488	0.00053
15.00	0.93340	0.00047	14.00	0.92889	0.00052	14.00	0.95485	0.00053
15.25	0.94233	0.00049	14.25	0.93886	0.00053	14.25	0.96437	0.00056
15.50	0.95039	0.00047	14.50	0.94720	0.00051	14.50	0.97205	0.00053
15.75	0.95689	0.00046	14.75	0.95656	0.00052	14.75	0.98203	0.00053
16.00	0.96420	0.00048	15.00	0.96423	0.00050	15.00	0.99119	0.00051
16.25	0.97114	0.00047	15.25	0.97185	0.00052	15.25	0.99868	0.00052
16.50	0.97833	0.00047	15.50	0.98088	0.00050	15.50	1.00561	0.00052
16.75	0.98459	0.00048	15.75	0.98835	0.00051	15.75	1.01434	0.00051
17.00	0.99134	0.00046	16.00	0.99436	0.00051	16.00	1.02100	0.00050
17.25	0.99747	0.00046	16.25	1.00146	0.00049	16.25	1.02825	0.00050

17.50	1.00243	0.00045
17.75	1.01008	0.00047
18.00	1.01461	0.00048
18.25	1.02006	0.00047
18.50	1.02514	0.00046
18.75	1.03049	0.00045
19.00	1.03549	0.00045
19.25	1.04012	0.00045
19.50	1.04515	0.00046
19.75	1.04890	0.00044
20.00	1.05455	0.00044

16.50	1.00943	0.00048
16.75	1.01640	0.00049
17.00	1.02245	0.00050
17.25	1.02846	0.00048
17.50	1.03455	0.00048
17.75	1.04135	0.00047
18.00	1.04613	0.00049
18.25	1.05242	0.00047
18.50	1.05687	0.00048
18.75	1.06272	0.00049
19.00	1.06748	0.00047
19.25	1.07205	0.00047
19.50	1.07849	0.00047
19.75	1.08298	0.00049
20.00	1.08605	0.00046

16.50	1.03615	0.00051
16.75	1.04169	0.00051
17.00	1.04829	0.00046
17.25	1.05452	0.00052
17.50	1.06237	0.00050
17.75	1.06790	0.00051
18.00	1.07398	0.00051

24		
12.00	0.88877	0.00057
12.20	0.89754	0.00056
12.40	0.90704	0.00054
12.60	0.91735	0.00055
12.80	0.92507	0.00057
13.00	0.93524	0.00054
13.20	0.94220	0.00056
13.40	0.95136	0.00055
13.60	0.96005	0.00055
13.80	0.96847	0.00055
14.00	0.97550	0.00054
14.20	0.98390	0.00053
14.40	0.99082	0.00053
14.60	0.99940	0.00052
14.80	1.00534	0.00054
15.00	1.01245	0.00053
15.20	1.01843	0.00053
15.40	1.02656	0.00055
15.60	1.03169	0.00052
15.80	1.03802	0.00052
16.00	1.04450	0.00053
16.20	1.05059	0.00050
16.40	1.05634	0.00051
16.60	1.06115	0.00053
16.80	1.06764	0.00055
17.00	1.07302	0.00051

25		
12.00	0.89673	0.00056
12.25	0.90869	0.00057
12.50	0.92105	0.00057
12.75	0.93294	0.00055
13.00	0.94287	0.00056
13.25	0.95549	0.00054
13.50	0.96546	0.00056
13.75	0.97594	0.00054
14.00	0.98464	0.00053
14.25	0.99501	0.00057
14.50	1.00496	0.00054
14.75	1.01417	0.00054
15.00	1.02290	0.00055
15.25	1.02922	0.00054
15.50	1.03922	0.00054
15.75	1.04631	0.00053
16.00	1.05447	0.00054
16.25	1.06290	0.00053
16.50	1.06953	0.00052
16.75	1.07444	0.00053
17.00	1.08178	0.00053

26		
12.00	0.90456	0.00057
12.20	0.91541	0.00056
12.40	0.92567	0.00056
12.60	0.93415	0.00056
12.80	0.94387	0.00055
13.00	0.95244	0.00053
13.20	0.96203	0.00056
13.40	0.97012	0.00056
13.60	0.97854	0.00057
13.80	0.98724	0.00058
14.00	0.99440	0.00056
14.20	1.00218	0.00056
14.40	1.00983	0.00056
14.60	1.01737	0.00055
14.80	1.02541	0.00055
15.00	1.03226	0.00055
15.20	1.03914	0.00054
15.40	1.04511	0.00055
15.60	1.05182	0.00055
15.80	1.05786	0.00056
16.00	1.06373	0.00054

28		
12.00	0.92113	0.00060
12.20	0.93020	0.00057
12.40	0.94207	0.00059
12.60	0.94982	0.00057
12.80	0.95934	0.00057
13.00	0.96834	0.00059
13.20	0.97841	0.00057
13.40	0.98609	0.00056

30		
11.00	0.87850	0.00059
11.20	0.88939	0.00059
11.40	0.90097	0.00059
11.60	0.91198	0.00057
11.80	0.92374	0.00059
12.00	0.93352	0.00060
12.20	0.94393	0.00060
12.40	0.95460	0.00057

32		
11.00	0.88919	0.00059
11.20	0.90164	0.00058
11.40	0.91362	0.00060
11.60	0.92480	0.00060
11.80	0.93564	0.00060
12.00	0.94676	0.00059
12.20	0.95602	0.00059
12.40	0.96664	0.00057

13.60	0.99483	0.00056
13.80	1.00422	0.00058
14.00	1.01104	0.00056
14.20	1.01902	0.00056
14.40	1.02701	0.00058
14.60	1.03514	0.00058
14.80	1.04097	0.00057
15.00	1.04762	0.00056
15.20	1.05530	0.00055
15.40	1.06138	0.00056
15.60	1.06778	0.00056
15.80	1.07612	0.00055
16.00	1.08047	0.00056

12.60	0.96399	0.00058
12.80	0.97338	0.00056
13.00	0.98243	0.00056
13.20	0.99181	0.00059
13.40	1.00145	0.00058
13.60	1.01006	0.00056
13.80	1.01772	0.00057
14.00	1.02614	0.00058
14.20	1.03421	0.00059
14.40	1.04168	0.00057
14.60	1.04867	0.00057
14.80	1.05504	0.00058
15.00	1.06332	0.00056
15.20	1.06998	0.00059
15.40	1.07529	0.00056
15.60	1.08324	0.00058
15.80	1.08900	0.00059
16.00	1.09517	0.00054

12.60	0.97592	0.00059
12.80	0.98672	0.00059
13.00	0.99611	0.00059
13.20	1.00475	0.00061
13.40	1.01263	0.00059
13.60	1.02319	0.00057
13.80	1.02941	0.00058
14.00	1.03826	0.00059
14.20	1.04656	0.00060
14.40	1.05352	0.00059
14.60	1.06134	0.00058
14.80	1.06892	0.00057
15.00	1.07546	0.00057

36

11.00	0.90831	0.00060
11.10	0.91490	0.00060
11.20	0.92178	0.00063
11.30	0.92717	0.00060
11.40	0.93287	0.00062
11.50	0.93922	0.00061
11.60	0.94454	0.00064
11.70	0.95020	0.00061
11.80	0.95552	0.00059
11.90	0.96133	0.00062
12.00	0.96659	0.00061
12.10	0.97201	0.00063
12.20	0.97775	0.00060
12.30	0.98275	0.00060
12.40	0.98615	0.00063
12.50	0.99288	0.00059
12.60	0.99739	0.00060
12.70	1.00198	0.00061
12.80	1.00641	0.00064
12.90	1.01024	0.00060
13.00	1.01605	0.00062

40

11.00	0.92470	0.00062
11.10	0.93100	0.00064
11.20	0.93701	0.00061
11.30	0.94209	0.00064
11.40	0.94961	0.00063
11.50	0.95472	0.00063
11.60	0.96034	0.00063
11.70	0.96523	0.00062
11.80	0.97195	0.00061
11.90	0.97655	0.00067
12.00	0.98221	0.00064
12.10	0.98710	0.00061
12.20	0.99405	0.00063
12.30	0.99904	0.00061
12.40	1.00256	0.00063
12.50	1.00838	0.00059
12.60	1.01332	0.00063
12.70	1.01693	0.00061
12.80	1.02337	0.00062
12.90	1.02853	0.00060
13.00	1.03364	0.00060

45

10.80	0.92804	0.00063
11.00	0.94014	0.00065
11.20	0.95157	0.00063
11.40	0.96400	0.00065
11.60	0.97489	0.00065
11.80	0.98639	0.00064
12.00	0.99809	0.00062
12.20	1.00790	0.00063
12.40	1.01836	0.00064
12.60	1.02891	0.00063
12.80	1.03917	0.00062
13.00	1.04820	0.00063
13.20	1.05638	0.00062
13.40	1.06582	0.00063
13.60	1.07615	0.00061
13.80	1.08361	0.00062
14.00	1.09213	0.00062

50

10.50	0.92007	0.00064
10.55	0.92296	0.00065
10.60	0.92593	0.00066
10.65	0.92948	0.00063
10.70	0.93120	0.00068
10.75	0.93523	0.00066
10.80	0.93840	0.00065
10.85	0.94186	0.00064
10.90	0.94503	0.00065
10.95	0.94916	0.00063

75

10.00	0.91494	0.00065
10.05	0.91873	0.00068
10.10	0.92379	0.00067
10.15	0.92498	0.00068
10.20	0.92979	0.00069
10.25	0.93184	0.00069
10.30	0.93626	0.00070
10.35	0.94006	0.00068
10.40	0.94316	0.00070
10.45	0.94638	0.00066

100

10.00	0.92477	0.00068
10.05	0.92713	0.00068
10.10	0.93206	0.00070
10.15	0.93444	0.00067
10.20	0.93778	0.00066
10.25	0.94251	0.00071
10.30	0.94581	0.00070
10.35	0.94951	0.00069
10.40	0.95191	0.00071
10.45	0.95462	0.00069

11.00	0.95087	0.00063
11.05	0.95575	0.00064
11.10	0.95844	0.00067
11.15	0.96134	0.00065
11.20	0.96364	0.00066
11.25	0.96846	0.00065
11.30	0.97042	0.00065
11.35	0.97323	0.00065
11.40	0.97575	0.00066
11.45	0.98001	0.00065
11.50	0.98126	0.00064
11.55	0.98373	0.00063
11.60	0.98800	0.00065
11.65	0.99036	0.00064
11.70	0.99295	0.00067
11.75	0.99631	0.00065
11.80	0.99957	0.00063
11.85	1.00130	0.00065
11.90	1.00420	0.00065
11.95	1.00744	0.00063
12.00	1.00937	0.00062

10.50	0.95001	0.00068
10.55	0.95307	0.00069
10.60	0.95615	0.00063
10.65	0.96013	0.00065
10.70	0.96326	0.00068
10.75	0.96655	0.00068
10.80	0.96909	0.00066
10.85	0.97322	0.00065
10.90	0.97613	0.00070
10.95	0.97895	0.00069
11.00	0.98189	0.00070
11.05	0.98561	0.00068
11.10	0.98726	0.00067
11.15	0.99233	0.00065
11.20	0.99422	0.00067
11.25	0.99830	0.00067
11.30	0.99975	0.00067
11.35	1.00401	0.00066
11.40	1.00646	0.00068
11.45	1.00895	0.00065
11.50	1.01286	0.00069

10.50	0.95819	0.00068
10.55	0.96221	0.00068
10.60	0.96556	0.00070
10.65	0.96801	0.00071
10.70	0.97370	0.00069
10.75	0.97570	0.00071
10.80	0.97858	0.00069
10.85	0.98227	0.00069
10.90	0.98555	0.00069
10.95	0.98736	0.00069
11.00	0.99259	0.00070
11.05	0.99392	0.00069
11.10	0.99669	0.00068
11.15	1.00024	0.00068
11.20	1.00258	0.00070
11.25	1.00580	0.00070
11.30	1.00909	0.00070

150		
10.00	0.92624	0.00070
10.05	0.93011	0.00072
10.10	0.93224	0.00069
10.15	0.93686	0.00072
10.20	0.94058	0.00071
10.25	0.94434	0.00072
10.30	0.94728	0.00071
10.35	0.94952	0.00069
10.40	0.95353	0.00070
10.45	0.95544	0.00071
10.50	0.96052	0.00071
10.55	0.96159	0.00068
10.60	0.96808	0.00071
10.65	0.96813	0.00069
10.70	0.97236	0.00069
10.75	0.97484	0.00070
10.80	0.97851	0.00068
10.85	0.98132	0.00070
10.90	0.98495	0.00067
10.95	0.98874	0.00069
11.00	0.99087	0.00070
11.05	0.99360	0.00068
11.10	0.99581	0.00068
11.15	1.00051	0.00071
11.20	1.00384	0.00069
11.25	1.00657	0.00072
11.30	1.00882	0.00069
11.35	1.01110	0.00069
11.40	1.01446	0.00068
11.45	1.01719	0.00071
11.50	1.01953	0.00068
11.60	1.02580	0.00070
11.70	1.03064	0.00072
11.80	1.03734	0.00072
11.90	1.04257	0.00068

200		
10.00	0.92276	0.00069
10.05	0.92543	0.00070
10.10	0.92883	0.00070
10.15	0.93218	0.00071
10.20	0.93500	0.00071
10.25	0.93889	0.00068
10.30	0.94145	0.00069
10.35	0.94468	0.00071
10.40	0.94802	0.00070
10.45	0.95065	0.00070
10.50	0.95392	0.00070
10.55	0.95797	0.00071
10.60	0.96119	0.00069
10.65	0.96472	0.00071
10.70	0.96810	0.00069
10.75	0.96981	0.00073
10.80	0.97341	0.00070
10.85	0.97787	0.00071
10.90	0.97997	0.00068
10.95	0.98181	0.00068
11.00	0.98622	0.00070
11.05	0.98824	0.00069
11.10	0.99161	0.00071
11.15	0.99317	0.00070
11.20	0.99682	0.00071
11.25	1.00034	0.00071
11.30	1.00258	0.00073
11.35	1.00554	0.00071
11.40	1.00832	0.00072

350		
10.00	0.91245	0.00071
10.10	0.91873	0.00069
10.20	0.92544	0.00069
10.30	0.93189	0.00070
10.40	0.93692	0.00069
10.50	0.94223	0.00067
10.60	0.94877	0.00070
10.70	0.95557	0.00068
10.80	0.95956	0.00072
10.90	0.96751	0.00068
11.00	0.97217	0.00071
11.10	0.97786	0.00070
11.20	0.98336	0.00069
11.30	0.98842	0.00068
11.40	0.99404	0.00069
11.50	0.99928	0.00070
11.60	1.00460	0.00071
11.70	1.01099	0.00067
11.80	1.01561	0.00066
11.90	1.02059	0.00070
12.00	1.02372	0.00074

500			750			1000		
10.00	0.91078	0.00066	10.00	0.91945	0.00063	9.80	0.92547	0.00066
10.10	0.91587	0.00070	10.10	0.92615	0.00068	9.90	0.93027	0.00064
10.20	0.92216	0.00066	10.20	0.93267	0.00067	10.00	0.93684	0.00067
10.30	0.92891	0.00069	10.30	0.93821	0.00067	10.10	0.94236	0.00066
10.40	0.93521	0.00068	10.40	0.94456	0.00067	10.20	0.94998	0.00066
10.50	0.93963	0.00068	10.50	0.94974	0.00065	10.30	0.95533	0.00066
10.60	0.94621	0.00068	10.60	0.95505	0.00067	10.40	0.96092	0.00064
10.70	0.95193	0.00067	10.70	0.96064	0.00067	10.50	0.96633	0.00064
10.80	0.95981	0.00068	10.80	0.96662	0.00069	10.60	0.97300	0.00066
10.90	0.96201	0.00066	10.90	0.97088	0.00067	10.70	0.97795	0.00065
11.00	0.96838	0.00066	11.00	0.97736	0.00069	10.80	0.98302	0.00067
11.10	0.97404	0.00065	11.10	0.98219	0.00066	10.90	0.98936	0.00065
11.20	0.98024	0.00068	11.20	0.98690	0.00066	11.00	0.99457	0.00064
11.30	0.98617	0.00068	11.30	0.99315	0.00068	11.10	1.00039	0.00069
11.40	0.98896	0.00067	11.40	0.99837	0.00067	11.20	1.00414	0.00064
11.50	0.99605	0.00070	11.50	1.00272	0.00066	11.30	1.01118	0.00065
11.60	1.00086	0.00068	11.60	1.00876	0.00070	11.40	1.01579	0.00067
11.70	1.00653	0.00070	11.70	1.01360	0.00067	11.50	1.02061	0.00066
11.80	1.00993	0.00064	11.80	1.01762	0.00067	11.60	1.02498	0.00069
11.90	1.01491	0.00067	11.90	1.02297	0.00068	11.70	1.02961	0.00064
12.00	1.01995	0.00067	12.00	1.02767	0.00068	11.80	1.03473	0.00067
			12.10	1.03113	0.00068	11.90	1.03990	0.00065
			12.20	1.03594	0.00067	12.00	1.04270	0.00064
			12.30	1.04024	0.00065	12.10	1.04841	0.00066
			12.40	1.04449	0.00067	12.20	1.05315	0.00066
			12.50	1.04980	0.00066	12.30	1.05704	0.00064
			12.60	1.05426	0.00068	12.40	1.06151	0.00060
			12.70	1.05803	0.00066	12.50	1.06538	0.00066
			12.80	1.06162	0.00062	12.60	1.06930	0.00064
			12.90	1.06627	0.00067	12.70	1.07496	0.00065
			13.00	1.07009	0.00066	12.80	1.07879	0.00067
						12.90	1.08278	0.00065
						13.00	1.08695	0.00066

1500			2000			2500		
9.00	0.91639	0.00065	8.40	0.91744	0.00064	7.90	0.92226	0.00060
9.10	0.92312	0.00063	8.45	0.92183	0.00060	7.95	0.92608	0.00061
9.20	0.93026	0.00067	8.50	0.92561	0.00062	8.00	0.93048	0.00061
9.30	0.93608	0.00063	8.55	0.92891	0.00061	8.05	0.93571	0.00060
9.40	0.94275	0.00065	8.60	0.93354	0.00064	8.10	0.93916	0.00062
9.50	0.95062	0.00063	8.65	0.93643	0.00061	8.15	0.94361	0.00060
9.60	0.95582	0.00062	8.70	0.94123	0.00058	8.20	0.94773	0.00061
9.70	0.96252	0.00065	8.75	0.94562	0.00062	8.25	0.95320	0.00061
9.80	0.96897	0.00062	8.80	0.94985	0.00061	8.30	0.95628	0.00062
9.90	0.97687	0.00064	8.85	0.95254	0.00062	8.35	0.96064	0.00062
10.00	0.98106	0.00063	8.90	0.95661	0.00062	8.40	0.96404	0.00062
10.10	0.98865	0.00064	8.95	0.95897	0.00064	8.45	0.96910	0.00063
10.20	0.99525	0.00063	9.00	0.96317	0.00063	8.50	0.97288	0.00062
10.30	1.00205	0.00066	9.05	0.96649	0.00062	8.55	0.97589	0.00064
10.40	1.00611	0.00064	9.10	0.97142	0.00062	8.60	0.98156	0.00060
10.50	1.01083	0.00064	9.15	0.97367	0.00062	8.65	0.98492	0.00061
10.60	1.01801	0.00064	9.20	0.97790	0.00060	8.70	0.98931	0.00064
10.70	1.02457	0.00063	9.25	0.98162	0.00062	8.75	0.99262	0.00063
10.80	1.02861	0.00068	9.30	0.98478	0.00061	8.80	0.99603	0.00062
10.90	1.03358	0.00062	9.35	0.98890	0.00063	8.85	1.00025	0.00062

11.00	1.03980	0.00062
11.10	1.04471	0.00064
11.20	1.05021	0.00064
11.30	1.05555	0.00066
11.40	1.06233	0.00064
11.50	1.06469	0.00064
11.60	1.06991	0.00064
11.70	1.07514	0.00066
11.80	1.08083	0.00064
11.90	1.08337	0.00064
12.00	1.08863	0.00064

9.40	0.99072	0.00065
9.45	0.99518	0.00061
9.50	0.99921	0.00062
9.55	1.00170	0.00063
9.60	1.00600	0.00063
9.65	1.00934	0.00060
9.70	1.01210	0.00064

8.90	1.00508	0.00061
8.95	1.00791	0.00065
9.00	1.01248	0.00062

3000

7.40	0.91881	0.00062
7.45	0.92527	0.00063
7.50	0.93058	0.00064
7.55	0.93494	0.00060
7.60	0.93964	0.00061
7.65	0.94330	0.00060
7.70	0.94829	0.00059
7.75	0.95369	0.00058
7.80	0.95726	0.00062
7.85	0.96309	0.00063
7.90	0.96720	0.00061
7.95	0.97186	0.00064
8.00	0.97587	0.00061
8.05	0.98077	0.00059
8.10	0.98602	0.00060
8.15	0.98850	0.00060
8.20	0.99360	0.00060
8.25	0.99981	0.00061
8.30	1.00328	0.00061
8.35	1.00770	0.00059
8.40	1.01121	0.00063

4000

6.60	0.91698	0.00057
6.65	0.92345	0.00059
6.70	0.93011	0.00056
6.75	0.93412	0.00060
6.80	0.93972	0.00061
6.85	0.94658	0.00060
6.90	0.95253	0.00060
6.95	0.95774	0.00058
7.00	0.96217	0.00060
7.05	0.96801	0.00059
7.10	0.97306	0.00061
7.15	0.97830	0.00058
7.20	0.98302	0.00060
7.25	0.98920	0.00058
7.30	0.99370	0.00060
7.35	0.99952	0.00061
7.40	1.00478	0.00059
7.45	1.00924	0.00060
7.50	1.01435	0.00060

5000

6.00	0.91599	0.00056
6.05	0.92429	0.00057
6.10	0.93041	0.00055
6.15	0.93562	0.00058
6.20	0.94240	0.00058
6.25	0.94839	0.00056
6.30	0.95544	0.00058
6.35	0.96189	0.00057
6.40	0.96876	0.00059
6.45	0.97419	0.00057
6.50	0.98060	0.00059
6.55	0.98521	0.00059
6.60	0.99192	0.00058
6.65	0.99811	0.00059
6.70	1.00400	0.00063
6.75	1.00929	0.00058
6.80	1.01702	0.00055
6.85	1.02132	0.00061
6.90	1.02753	0.00059
6.95	1.03125	0.00059
7.00	1.03907	0.00058

6000

5.50	0.91318	0.00054
5.52	0.91616	0.00054
5.54	0.91977	0.00054
5.56	0.92162	0.00054
5.58	0.92512	0.00051
5.60	0.92804	0.00055
5.62	0.93025	0.00055
5.64	0.93274	0.00056
5.66	0.93644	0.00054
5.68	0.93890	0.00057
5.70	0.94221	0.00054
5.72	0.94552	0.00056
5.74	0.94795	0.00058
5.76	0.95022	0.00055
5.78	0.95332	0.00056
5.80	0.95589	0.00055
5.82	0.95816	0.00055

7000

5.10	0.91149	0.00053
5.12	0.91490	0.00053
5.14	0.91818	0.00054
5.16	0.92220	0.00055
5.18	0.92537	0.00053
5.20	0.92797	0.00054
5.22	0.93077	0.00053
5.24	0.93442	0.00054
5.26	0.93762	0.00054
5.28	0.94039	0.00055
5.30	0.94315	0.00054
5.32	0.94611	0.00055
5.34	0.94950	0.00055
5.36	0.95261	0.00055
5.38	0.95598	0.00056
5.40	0.95988	0.00054
5.42	0.96199	0.00055

7500

4.90	0.90692	0.00052
4.92	0.91062	0.00051
4.94	0.91452	0.00052
4.96	0.91614	0.00050
4.98	0.92139	0.00055
5.00	0.92444	0.00054
5.02	0.92807	0.00052
5.04	0.93177	0.00052
5.06	0.93446	0.00052
5.08	0.93755	0.00051
5.10	0.94073	0.00052
5.12	0.94442	0.00054
5.14	0.94646	0.00054
5.16	0.95044	0.00054
5.18	0.95354	0.00055
5.20	0.95716	0.00052
5.22	0.96055	0.00052

5.84	0.96165	0.00057	5.44	0.96564	0.00055	5.24	0.96342	0.00054
5.86	0.96488	0.00054	5.46	0.96835	0.00055	5.26	0.96677	0.00054
5.88	0.96760	0.00056	5.48	0.97156	0.00055	5.28	0.96972	0.00053
5.90	0.97000	0.00058	5.50	0.97398	0.00055	5.30	0.97236	0.00055
5.92	0.97288	0.00057	5.52	0.97741	0.00054	5.32	0.97534	0.00055
5.94	0.97537	0.00057	5.54	0.98145	0.00055	5.34	0.97931	0.00055
5.96	0.97776	0.00057	5.56	0.98364	0.00054	5.36	0.98303	0.00054
5.98	0.98127	0.00058	5.58	0.98663	0.00055	5.38	0.98616	0.00054
6.00	0.98355	0.00056	5.60	0.98901	0.00055	5.40	0.98908	0.00056
6.02	0.98673	0.00059	5.62	0.99223	0.00054	5.42	0.99247	0.00054
6.04	0.98992	0.00058	5.64	0.99556	0.00054	5.44	0.99549	0.00055
6.06	0.99094	0.00057	5.66	0.99791	0.00057	5.46	0.99720	0.00055
6.08	0.99463	0.00059	5.68	1.00079	0.00054	5.48	1.00045	0.00054
6.10	0.99659	0.00055	5.70	1.00451	0.00056	5.50	1.00381	0.00053
6.12	1.00044	0.00057	5.72	1.00695	0.00054	5.52	1.00658	0.00052
6.14	1.00258	0.00057	5.74	1.01003	0.00055	5.54	1.00988	0.00057
6.16	1.00559	0.00060	5.76	1.01293	0.00056	5.56	1.01268	0.00054
6.18	1.00849	0.00059	5.78	1.01617	0.00058	5.58	1.01609	0.00056
6.20	1.01026	0.00059	5.80	1.01924	0.00056	5.60	1.02003	0.00055

8000			9000			10000		
4.80	0.91774	0.00052	4.50	0.91724	0.00051	4.20	0.91152	0.00046
4.82	0.92138	0.00052	4.52	0.92204	0.00049	4.22	0.91487	0.00048
4.84	0.92502	0.00051	4.54	0.92469	0.00050	4.24	0.91815	0.00049
4.86	0.92875	0.00052	4.56	0.92854	0.00050	4.26	0.92292	0.00047
4.88	0.93241	0.00051	4.58	0.93195	0.00051	4.28	0.92696	0.00049
4.90	0.93428	0.00054	4.60	0.93629	0.00050	4.30	0.93031	0.00049
4.92	0.93929	0.00053	4.62	0.93878	0.00052	4.32	0.93525	0.00050
4.94	0.94269	0.00052	4.64	0.94363	0.00050	4.34	0.93889	0.00050
4.96	0.94553	0.00051	4.66	0.94820	0.00051	4.36	0.94266	0.00046
4.98	0.94970	0.00052	4.68	0.95063	0.00050	4.38	0.94574	0.00049
5.00	0.95193	0.00052	4.70	0.95346	0.00052	4.40	0.94984	0.00049
5.02	0.95551	0.00054	4.72	0.95688	0.00051	4.42	0.95359	0.00051
5.04	0.95736	0.00053	4.74	0.96115	0.00051	4.44	0.95763	0.00051
5.06	0.96205	0.00053	4.76	0.96525	0.00051	4.46	0.96070	0.00048
5.08	0.96431	0.00053	4.78	0.96864	0.00052	4.48	0.96542	0.00050
5.10	0.96970	0.00053	4.80	0.97087	0.00052	4.50	0.96823	0.00049
5.12	0.97229	0.00052	4.82	0.97519	0.00054	4.52	0.97236	0.00052
5.14	0.97503	0.00052	4.84	0.97836	0.00052	4.54	0.97559	0.00050
5.16	0.97884	0.00053	4.86	0.98145	0.00052	4.56	0.97909	0.00051
5.18	0.98181	0.00054	4.88	0.98554	0.00050	4.58	0.98285	0.00052
5.20	0.98507	0.00053	4.90	0.98956	0.00052	4.60	0.98679	0.00051
5.22	0.98792	0.00055	4.92	0.99256	0.00051	4.62	0.99008	0.00051
5.24	0.99135	0.00055	4.94	0.99728	0.00051	4.64	0.99485	0.00051
5.26	0.99511	0.00054	4.96	1.00037	0.00052	4.66	0.99787	0.00050
5.28	0.99798	0.00053	4.98	1.00221	0.00053	4.68	1.00123	0.00050
5.30	1.00142	0.00053	5.00	1.00598	0.00051	4.70	1.00519	0.00051
5.32	1.00501	0.00053	5.02	1.01045	0.00054	4.72	1.00922	0.00052
5.34	1.00758	0.00054	5.04	1.01250	0.00053	4.74	1.01319	0.00052
5.36	1.01065	0.00056	5.06	1.01665	0.00050	4.76	1.01677	0.00053
5.38	1.01346	0.00055	5.08	1.01908	0.00055	4.78	1.01941	0.00051
5.40	1.01720	0.00054	5.10	1.02323	0.00052	4.80	1.02404	0.00053

15000			19600		
3.20	0.91616	0.00042	2.50	0.90642	0.00041
3.22	0.92188	0.00044	2.52	0.91147	0.00042
3.24	0.92580	0.00043	2.54	0.91808	0.00042
3.26	0.93140	0.00043	2.56	0.92352	0.00043
3.28	0.93510	0.00043	2.58	0.92982	0.00043
3.30	0.94058	0.00042	2.60	0.93534	0.00044
3.32	0.94640	0.00042	2.62	0.94173	0.00044
3.34	0.95089	0.00043	2.64	0.94776	0.00041
3.36	0.95541	0.00042	2.66	0.95257	0.00044
3.38	0.95974	0.00044	2.68	0.95863	0.00044
3.40	0.96369	0.00044	2.70	0.96460	0.00043
3.42	0.96968	0.00045	2.72	0.97010	0.00043
3.44	0.97420	0.00043	2.74	0.97684	0.00044
3.46	0.97894	0.00044	2.76	0.98242	0.00044
3.48	0.98428	0.00045	2.78	0.98803	0.00043
3.50	0.98873	0.00045	2.80	0.99321	0.00044
3.52	0.99362	0.00043	2.82	0.99908	0.00044
3.54	0.99760	0.00045	2.84	1.00533	0.00045
3.56	1.00212	0.00044	2.86	1.01056	0.00044
3.58	1.00649	0.00044	2.88	1.01677	0.00045
3.60	1.01163	0.00044	2.90	1.02150	0.00046

sumtable.pu-icyl-0850-01

10			13			15		
20.00	0.86235	0.00033	17.00	0.91534	0.00040	15.00	0.92035	0.00043
22.50	0.89055	0.00032	17.75	0.92962	0.00040	15.25	0.92662	0.00045
25.00	0.91299	0.00031	18.00	0.93404	0.00039	15.50	0.93317	0.00044
27.50	0.92930	0.00032	18.20	0.93662	0.00041	15.75	0.93878	0.00041
28.00	0.93329	0.00029	18.40	0.94058	0.00038	16.00	0.94389	0.00042
28.50	0.93568	0.00030	18.50	0.94178	0.00038	16.25	0.94954	0.00043
29.00	0.93889	0.00031	18.60	0.94332	0.00039	16.50	0.95451	0.00042
29.50	0.94128	0.00030	18.80	0.94600	0.00037	16.75	0.96060	0.00042
30.00	0.94407	0.00029	19.00	0.95010	0.00039	17.00	0.96494	0.00042
30.50	0.94641	0.00031	19.20	0.95287	0.00039	17.25	0.96990	0.00042
31.00	0.94880	0.00028	19.25	0.95441	0.00038	17.50	0.97478	0.00040
31.50	0.95127	0.00028	19.40	0.95525	0.00039	17.75	0.97942	0.00041
32.00	0.95345	0.00028	19.60	0.95937	0.00038	18.00	0.98410	0.00041
32.50	0.95519	0.00028	19.80	0.96205	0.00041	18.25	0.98895	0.00041
33.00	0.95702	0.00028	20.00	0.96419	0.00038	18.50	0.99317	0.00040
33.50	0.95938	0.00028	20.20	0.96716	0.00037	18.75	0.99793	0.00040
34.00	0.96166	0.00028	20.40	0.96991	0.00036	19.00	1.00167	0.00041
34.50	0.96325	0.00028	20.60	0.97311	0.00038	19.25	1.00618	0.00042
35.00	0.96490	0.00028	20.75	0.97435	0.00037	19.50	1.00960	0.00040
35.50	0.96619	0.00028	20.80	0.97621	0.00036	19.75	1.01344	0.00041
36.00	0.96840	0.00027	21.00	0.97666	0.00038	20.00	1.01703	0.00039
36.50	0.96974	0.00029	21.20	0.98005	0.00037			
37.00	0.97157	0.00027	21.40	0.98187	0.00037			
37.50	0.97244	0.00027	21.50	0.98332	0.00036			
38.00	0.97419	0.00027	21.60	0.98452	0.00036			
38.50	0.97531	0.00028	21.80	0.98729	0.00037			
39.00	0.97646	0.00026	22.00	0.98880	0.00037			
39.50	0.97797	0.00027	22.20	0.99098	0.00038			
40.00	0.97905	0.00026	22.25	0.99287	0.00035			
40.50	0.98040	0.00026	22.40	0.99357	0.00038			
41.00	0.98134	0.00026	22.60	0.99539	0.00036			
41.50	0.98229	0.00027	22.80	0.99903	0.00036			
42.00	0.98408	0.00026	23.00	1.00042	0.00037			

42.50	0.98445	0.00026	23.20	1.00183	0.00037
43.00	0.98603	0.00026	23.40	1.00361	0.00036
43.50	0.98750	0.00026	23.60	1.00611	0.00034
44.00	0.98712	0.00027	23.75	1.00738	0.00035
44.50	0.98878	0.00025	23.80	1.00836	0.00036
45.00	0.98976	0.00025	24.00	1.00972	0.00035
45.50	0.98968	0.00025	24.50	1.01353	0.00035
46.00	0.99144	0.00025	25.25	1.02077	0.00034
46.50	0.99219	0.00025	26.00	1.02656	0.00035
47.00	0.99332	0.00026	26.75	1.03173	0.00036
47.50	0.99370	0.00025	27.50	1.03752	0.00033
48.00	0.99490	0.00024	28.25	1.04204	0.00034
48.50	0.99548	0.00024	29.00	1.04699	0.00033
49.00	0.99553	0.00025	29.75	1.05130	0.00033
49.50	0.99761	0.00025	30.50	1.05464	0.00033
50.00	0.99739	0.00024	31.25	1.05852	0.00032
50.50	0.99755	0.00024	32.00	1.06241	0.00032
51.00	0.99849	0.00024	32.75	1.06680	0.00032
51.50	0.99961	0.00025	33.00	1.06817	0.00033
52.00	0.99989	0.00023			
52.50	1.00054	0.00025			
53.00	1.00143	0.00024			
53.50	1.00152	0.00023			
54.00	1.00273	0.00024			
54.50	1.00291	0.00023			
55.00	1.00379	0.00022			
57.50	1.00609	0.00024			
60.00	1.00828	0.00023			
62.50	1.00995	0.00023			
65.00	1.01226	0.00021			
67.50	1.01399	0.00021			
70.00	1.01494	0.00022			
72.50	1.01641	0.00024			
75.00	1.01732	0.00022			
77.50	1.01847	0.00022			
80.00	1.01931	0.00021			
82.50	1.01994	0.00021			
85.00	1.02203	0.00021			
87.50	1.02205	0.00021			
90.00	1.02252	0.00021			
92.50	1.02372	0.00021			
95.00	1.02403	0.00021			
97.50	1.02413	0.00020			
100.00	1.02579	0.00021			
102.50	1.02606	0.00020			
105.00	1.02615	0.00021			
107.50	1.02665	0.00019			
110.00	1.02740	0.00020			

18			20			22		
13.00	0.91793	0.00048	12.00	0.91011	0.00049	11.00	0.89217	0.00052
13.25	0.92637	0.00048	12.25	0.91981	0.00050	11.20	0.90094	0.00052
13.50	0.93504	0.00047	12.50	0.93011	0.00049	11.40	0.91063	0.00054
13.75	0.94357	0.00047	12.75	0.93937	0.00047	11.60	0.91773	0.00051
14.00	0.95050	0.00045	13.00	0.94866	0.00049	11.80	0.92811	0.00050
14.25	0.95785	0.00048	13.25	0.95697	0.00050	12.00	0.93536	0.00050
14.50	0.96501	0.00047	13.50	0.96446	0.00049	12.20	0.94455	0.00050
14.75	0.97128	0.00047	13.75	0.97387	0.00049	12.40	0.95144	0.00053

15.00	0.97951	0.00046	14.00	0.98173	0.00049	12.60	0.95929	0.00050
15.25	0.98557	0.00046	14.25	0.98907	0.00048	12.80	0.96672	0.00051
15.50	0.99168	0.00046	14.50	0.99579	0.00048	13.00	0.97400	0.00052
15.75	0.99855	0.00046	14.75	1.00352	0.00050	13.20	0.98169	0.00050
16.00	1.00373	0.00046	15.00	1.01031	0.00049	13.40	0.98742	0.00052
16.25	1.00906	0.00045	15.25	1.01711	0.00048	13.60	0.99473	0.00049
16.50	1.01535	0.00047	15.50	1.02366	0.00048	13.80	1.00087	0.00050
16.75	1.02032	0.00043	15.75	1.02904	0.00049	14.00	1.00653	0.00051
17.00	1.02646	0.00045	16.00	1.03588	0.00048	14.20	1.01276	0.00050
17.25	1.03073	0.00045	16.25	1.04207	0.00049	14.40	1.01971	0.00048
17.50	1.03602	0.00044	16.50	1.04692	0.00047	14.60	1.02563	0.00050
17.75	1.04117	0.00045	16.75	1.05354	0.00047	14.80	1.03125	0.00048
18.00	1.04530	0.00045	17.00	1.05858	0.00047	15.00	1.03651	0.00048
						15.20	1.04229	0.00049
						15.40	1.04794	0.00050
						15.60	1.05202	0.00050
						15.80	1.05772	0.00051
						16.00	1.06220	0.00048

24			25			26		
11.00	0.91198	0.00052	11.00	0.92172	0.00053	10.80	0.92236	0.00056
11.20	0.92195	0.00053	11.20	0.93296	0.00054	11.00	0.93168	0.00053
11.40	0.93083	0.00052	11.40	0.94154	0.00053	11.20	0.94116	0.00055
11.60	0.94083	0.00052	11.60	0.95091	0.00054	11.40	0.95062	0.00054
11.80	0.94932	0.00055	11.80	0.95841	0.00053	11.60	0.95880	0.00057
12.00	0.95790	0.00053	12.00	0.96633	0.00052	11.80	0.96789	0.00053
12.20	0.96407	0.00052	12.20	0.97365	0.00054	12.00	0.97520	0.00055
12.40	0.97377	0.00051	12.40	0.98375	0.00051	12.20	0.98402	0.00051
12.60	0.98138	0.00054	12.60	0.99078	0.00053	12.40	0.99263	0.00052
12.80	0.98934	0.00050	12.80	0.99714	0.00055	12.60	0.99957	0.00053
13.00	0.99506	0.00051	13.00	1.00725	0.00052	12.80	1.00753	0.00054
13.20	1.00217	0.00052	13.20	1.01281	0.00053	13.00	1.01557	0.00053
13.40	1.01052	0.00052	13.40	1.02093	0.00055	13.20	1.02224	0.00052
13.60	1.01790	0.00051	13.60	1.02646	0.00051	13.40	1.02902	0.00053
13.80	1.02313	0.00051	13.80	1.03328	0.00052	13.60	1.03549	0.00050
14.00	1.02936	0.00051	14.00	1.04104	0.00050	13.80	1.04204	0.00052
14.20	1.03658	0.00050	14.20	1.04614	0.00052	14.00	1.04911	0.00051
14.40	1.04194	0.00053	14.40	1.05184	0.00051	14.20	1.05550	0.00052
14.60	1.04831	0.00052	14.60	1.05904	0.00052	14.40	1.06240	0.00053
14.80	1.05276	0.00052	14.80	1.06432	0.00052	14.60	1.06763	0.00053
15.00	1.05984	0.00050	15.00	1.06960	0.00052	14.80	1.07389	0.00051
						15.00	1.07979	0.00051

28			30			32		
10.00	0.89467	0.00054	10.00	0.90918	0.00056	10.00	0.91999	0.00056
10.20	0.90580	0.00055	10.20	0.91854	0.00057	10.10	0.92559	0.00058
10.40	0.91693	0.00056	10.40	0.93069	0.00056	10.20	0.93299	0.00056
10.60	0.92696	0.00055	10.60	0.94062	0.00057	10.30	0.93776	0.00057
10.80	0.93760	0.00056	10.80	0.95222	0.00056	10.40	0.94241	0.00058
11.00	0.94693	0.00058	11.00	0.96015	0.00054	10.50	0.94794	0.00058
11.20	0.95699	0.00055	11.20	0.97125	0.00056	10.60	0.95276	0.00056
11.40	0.96680	0.00054	11.40	0.98018	0.00058	10.70	0.95750	0.00058
11.60	0.97505	0.00055	11.60	0.98917	0.00054	10.80	0.96317	0.00059

11.80	0.98365	0.00055
12.00	0.99196	0.00053
12.20	1.00006	0.00056
12.40	1.00886	0.00054
12.60	1.01580	0.00055
12.80	1.02539	0.00053
13.00	1.03252	0.00056
13.20	1.03874	0.00054
13.40	1.04638	0.00053
13.60	1.05278	0.00052
13.80	1.06100	0.00053
14.00	1.06592	0.00055

11.80	0.99848	0.00054
12.00	1.00678	0.00056
12.20	1.01424	0.00057
12.40	1.02401	0.00055
12.60	1.03149	0.00056
12.80	1.03878	0.00054
13.00	1.04573	0.00055
13.20	1.05377	0.00054
13.40	1.06022	0.00055
13.60	1.06783	0.00055
13.80	1.07471	0.00055
14.00	1.08091	0.00057

10.90	0.96847	0.00057
11.00	0.97316	0.00059
11.10	0.97687	0.00055
11.20	0.98334	0.00058
11.30	0.98725	0.00057
11.40	0.99235	0.00058
11.50	0.99632	0.00058
11.60	1.00196	0.00056
11.70	1.00667	0.00055
11.80	1.01033	0.00056
12.00	1.01846	0.00057
12.20	1.02828	0.00056
12.40	1.03582	0.00057
12.60	1.04334	0.00057
12.80	1.05177	0.00056
13.00	1.05989	0.00057
13.20	1.06585	0.00056
13.40	1.07411	0.00055
13.60	1.08110	0.00057
13.80	1.08692	0.00056
14.00	1.09379	0.00055

36

9.70	0.92259	0.00059
9.75	0.92718	0.00057
9.80	0.92941	0.00059
9.85	0.93259	0.00062
9.90	0.93428	0.00062
9.95	0.93767	0.00060
10.00	0.94069	0.00059
10.05	0.94330	0.00058
10.10	0.94736	0.00059
10.15	0.94893	0.00056
10.20	0.95194	0.00057
10.25	0.95519	0.00058
10.30	0.95669	0.00056
10.35	0.95927	0.00059
10.40	0.96440	0.00059
10.45	0.96518	0.00057
10.50	0.96872	0.00058
10.55	0.97156	0.00060
10.60	0.97404	0.00059
10.65	0.97677	0.00059
10.70	0.97734	0.00060
10.75	0.98176	0.00058
10.80	0.98354	0.00059
10.85	0.98669	0.00058
10.90	0.98913	0.00061
10.95	0.99140	0.00059
11.00	0.99429	0.00059
11.05	0.99765	0.00056
11.10	0.99850	0.00059
11.15	1.00105	0.00058
11.20	1.00415	0.00057
11.25	1.00681	0.00058
11.30	1.00830	0.00059

40

9.00	0.89565	0.00058
9.20	0.90851	0.00061
9.40	0.92055	0.00060
9.60	0.93396	0.00061
9.80	0.94606	0.00060
10.00	0.95739	0.00060
10.20	0.96837	0.00062
10.40	0.97944	0.00061
10.60	0.98977	0.00059
10.80	0.99982	0.00057
11.00	1.01025	0.00060
11.20	1.02046	0.00060
11.40	1.03004	0.00059
11.60	1.03960	0.00059
11.80	1.04843	0.00058
12.00	1.05620	0.00059
12.20	1.06626	0.00059
12.40	1.07412	0.00060
12.60	1.08138	0.00060
12.80	1.08937	0.00057
13.00	1.09697	0.00058

45

9.00	0.91117	0.00062
9.10	0.91762	0.00063
9.20	0.92383	0.00059
9.30	0.93148	0.00064
9.40	0.93582	0.00060
9.50	0.94330	0.00063
9.60	0.94907	0.00060
9.70	0.95441	0.00062
9.80	0.96161	0.00061
9.90	0.96600	0.00062
10.00	0.97222	0.00061
10.10	0.97879	0.00060
10.20	0.98421	0.00062
10.30	0.99026	0.00063
10.40	0.99605	0.00062
10.50	1.00035	0.00062
10.60	1.00620	0.00061
10.70	1.01075	0.00062
10.80	1.01572	0.00061
10.90	1.02092	0.00061
11.00	1.02604	0.00061
11.10	1.03141	0.00059
11.20	1.03652	0.00060
11.30	1.04090	0.00061
11.40	1.04528	0.00059
11.50	1.04955	0.00058
11.60	1.05553	0.00058
11.70	1.05974	0.00062
11.80	1.06485	0.00060
11.90	1.06970	0.00060
12.00	1.07337	0.00061

50			75			100		
9.00	0.92284	0.00063	8.50	0.91953	0.00064	8.40	0.92328	0.00065
9.20	0.93555	0.00063	8.55	0.92429	0.00067	8.45	0.92647	0.00068
9.40	0.94766	0.00063	8.60	0.92734	0.00065	8.50	0.93113	0.00069
9.60	0.95966	0.00063	8.65	0.93090	0.00064	8.55	0.93347	0.00069
9.80	0.97380	0.00063	8.70	0.93454	0.00065	8.60	0.93796	0.00070
10.00	0.98498	0.00061	8.75	0.93668	0.00066	8.65	0.94072	0.00067
10.20	0.99538	0.00061	8.80	0.94101	0.00066	8.70	0.94461	0.00067
10.40	1.00681	0.00060	8.85	0.94411	0.00065	8.75	0.94884	0.00069
10.60	1.01769	0.00063	8.90	0.94658	0.00067	8.80	0.95124	0.00066
10.80	1.02823	0.00060	8.95	0.95120	0.00067	8.85	0.95501	0.00067
11.00	1.03889	0.00062	9.00	0.95455	0.00063	8.90	0.95716	0.00067
11.20	1.04833	0.00064	9.05	0.95620	0.00065	8.95	0.96183	0.00066
11.40	1.05820	0.00061	9.10	0.96000	0.00067	9.00	0.96401	0.00068
11.60	1.06729	0.00062	9.15	0.96441	0.00062	9.05	0.96851	0.00065
11.80	1.07748	0.00064	9.20	0.96699	0.00067	9.10	0.97110	0.00067
12.00	1.08594	0.00061	9.25	0.97000	0.00066	9.15	0.97522	0.00066
			9.30	0.97554	0.00066	9.20	0.97737	0.00067
			9.35	0.97699	0.00064	9.25	0.98189	0.00065
			9.40	0.98006	0.00063	9.30	0.98457	0.00068
			9.45	0.98379	0.00065	9.35	0.98708	0.00068
			9.50	0.98560	0.00065	9.40	0.98966	0.00067
			9.55	0.98805	0.00068	9.45	0.99382	0.00068
			9.60	0.99205	0.00066	9.50	0.99592	0.00066
			9.65	0.99526	0.00067	9.55	0.99985	0.00070
			9.70	0.99827	0.00068	9.60	1.00308	0.00065
			9.75	1.00076	0.00068	9.65	1.00483	0.00066
			9.80	1.00487	0.00066	9.70	1.00857	0.00066
			9.85	1.00753	0.00064			
			9.90	1.00991	0.00065			
			9.95	1.01441	0.00065			
			10.00	1.01728	0.00064			

150			200			350		
8.30	0.91949	0.00070	8.40	0.92392	0.00069	8.00	0.88715	0.00067
8.35	0.92306	0.00070	8.45	0.92608	0.00069	8.20	0.89835	0.00068
8.40	0.92687	0.00065	8.50	0.92982	0.00069	8.40	0.91281	0.00067
8.45	0.93024	0.00068	8.55	0.93306	0.00068	8.60	0.92701	0.00065
8.50	0.93279	0.00070	8.60	0.93578	0.00068	8.80	0.93858	0.00067
8.55	0.93595	0.00066	8.65	0.94073	0.00070	9.00	0.95170	0.00067
8.60	0.94072	0.00069	8.70	0.94255	0.00069	9.20	0.96286	0.00068
8.65	0.94516	0.00065	8.75	0.94573	0.00068	9.40	0.97480	0.00068
8.70	0.94618	0.00067	8.80	0.94970	0.00070	9.60	0.98448	0.00068
8.75	0.95178	0.00067	8.85	0.95176	0.00072	9.80	0.99520	0.00067
8.80	0.95482	0.00070	8.90	0.95510	0.00066	10.00	1.00692	0.00068
8.85	0.95761	0.00067	8.95	0.95965	0.00068	10.20	1.01697	0.00070
8.90	0.96094	0.00067	9.00	0.96231	0.00067	10.40	1.02746	0.00068
8.95	0.96331	0.00069	9.05	0.96585	0.00070	10.60	1.03675	0.00066
9.00	0.96568	0.00066	9.10	0.96836	0.00067	10.80	1.04537	0.00065
9.05	0.96946	0.00067	9.15	0.97087	0.00069	11.00	1.05331	0.00067
9.10	0.97353	0.00068	9.20	0.97556	0.00069	11.20	1.06201	0.00067
9.15	0.97748	0.00065	9.25	0.97746	0.00068	11.40	1.07092	0.00066
9.20	0.98003	0.00067	9.30	0.98087	0.00067	11.60	1.07937	0.00067
9.25	0.98265	0.00067	9.35	0.98290	0.00065	11.80	1.08741	0.00067

9.30	0.98531	0.00069
9.35	0.98738	0.00067
9.40	0.99143	0.00067
9.45	0.99457	0.00068
9.50	0.99828	0.00066
9.55	0.99975	0.00067
9.60	1.00394	0.00070
9.65	1.00688	0.00070
9.70	1.00933	0.00069

9.40	0.98728	0.00067
9.45	0.99022	0.00070
9.50	0.99335	0.00066
9.55	0.99615	0.00067
9.60	0.99749	0.00069
9.65	1.00203	0.00069
9.70	1.00475	0.00067
9.75	1.00746	0.00066
9.80	1.00923	0.00066
9.85	1.01231	0.00067
9.90	1.01559	0.00070
9.95	1.01779	0.00069
10.00	1.02140	0.00069

12.00	1.09453	0.00066

500

8.00	0.88240	0.00067
8.20	0.89732	0.00067
8.40	0.91074	0.00069
8.60	0.92347	0.00066
8.80	0.93398	0.00063
9.00	0.94886	0.00065
9.20	0.95926	0.00066
9.40	0.96991	0.00068
9.60	0.98291	0.00066
9.80	0.99087	0.00070
10.00	1.00138	0.00067
10.20	1.01159	0.00067
10.40	1.02089	0.00070
10.60	1.03049	0.00065
10.80	1.03981	0.00066
11.00	1.04836	0.00069
11.20	1.05576	0.00065
11.40	1.06470	0.00068
11.60	1.07432	0.00066
11.80	1.08135	0.00069
12.00	1.08910	0.00068

750

8.00	0.89171	0.00063
8.20	0.90498	0.00064
8.40	0.91863	0.00067
8.60	0.93133	0.00066
8.80	0.94267	0.00064
9.00	0.95491	0.00068
9.20	0.96555	0.00066
9.40	0.97815	0.00063
9.60	0.98688	0.00069
9.80	0.99780	0.00066
10.00	1.00772	0.00066
10.20	1.01646	0.00065
10.40	1.02632	0.00065
10.60	1.03624	0.00065
10.80	1.04451	0.00066
11.00	1.05386	0.00067
11.20	1.06127	0.00064
11.40	1.07094	0.00066
11.60	1.07814	0.00067
11.80	1.08528	0.00067
12.00	1.09274	0.00065

1000

8.30	0.92826	0.00068
8.35	0.92909	0.00065
8.40	0.93321	0.00067
8.45	0.93672	0.00063
8.50	0.94101	0.00066
8.55	0.94194	0.00062
8.60	0.94589	0.00063
8.65	0.94843	0.00067
8.70	0.95235	0.00063
8.75	0.95575	0.00064
8.80	0.95861	0.00062
8.85	0.96187	0.00064
8.90	0.96381	0.00065
8.95	0.96617	0.00066
9.00	0.96967	0.00066
9.05	0.97227	0.00067
9.10	0.97494	0.00064
9.15	0.97754	0.00068
9.20	0.98006	0.00065
9.25	0.98472	0.00066
9.30	0.98552	0.00065
9.35	0.98977	0.00067
9.40	0.99132	0.00066
9.45	0.99500	0.00065
9.50	0.99660	0.00065
9.55	0.99939	0.00066
9.60	1.00230	0.00066
9.65	1.00502	0.00065
9.70	1.00827	0.00067

1500

7.60	0.91968	0.00062
7.65	0.92394	0.00065
7.70	0.92599	0.00064
7.75	0.92986	0.00062
7.80	0.93467	0.00065
7.85	0.93694	0.00065
7.90	0.94048	0.00065

2000

7.00	0.91556	0.00064
7.05	0.92082	0.00064
7.10	0.92471	0.00064
7.15	0.92910	0.00063
7.20	0.93182	0.00066
7.25	0.93749	0.00061
7.30	0.94085	0.00065

2500

6.60	0.92423	0.00060
6.65	0.92821	0.00062
6.70	0.93321	0.00062
6.75	0.93739	0.00061
6.80	0.94152	0.00064
6.85	0.94592	0.00059
6.90	0.95035	0.00064

7.95	0.94518	0.00064
8.00	0.94720	0.00064
8.05	0.95097	0.00065
8.10	0.95381	0.00065
8.15	0.95674	0.00064
8.20	0.96115	0.00065
8.25	0.96398	0.00065
8.30	0.96745	0.00065
8.35	0.97167	0.00065
8.40	0.97335	0.00064
8.45	0.97589	0.00063
8.50	0.98095	0.00062
8.55	0.98396	0.00063
8.60	0.98573	0.00066
8.65	0.98978	0.00064
8.70	0.99279	0.00063
8.75	0.99570	0.00065
8.80	0.99892	0.00061
8.85	1.00163	0.00063
8.90	1.00456	0.00063
8.95	1.00802	0.00062
9.00	1.01085	0.00063

7.35	0.94330	0.00064
7.40	0.94781	0.00063
7.45	0.95204	0.00065
7.50	0.95524	0.00062
7.55	0.95955	0.00062
7.60	0.96307	0.00063
7.65	0.96645	0.00061
7.70	0.97054	0.00060
7.75	0.97367	0.00063
7.80	0.97743	0.00062
7.85	0.98227	0.00064
7.90	0.98509	0.00065
7.95	0.98839	0.00062
8.00	0.99186	0.00063
8.05	0.99638	0.00063
8.10	0.99926	0.00062
8.15	1.00110	0.00064
8.20	1.00548	0.00063

6.95	0.95563	0.00061
7.00	0.95924	0.00063
7.05	0.96337	0.00064
7.10	0.96831	0.00066
7.15	0.97214	0.00062
7.20	0.97521	0.00061
7.25	0.97948	0.00062
7.30	0.98406	0.00062
7.35	0.98763	0.00064
7.40	0.99166	0.00060
7.45	0.99539	0.00063
7.50	0.99902	0.00063
7.55	1.00384	0.00063
7.60	1.00629	0.00063

3000

6.00	0.90650	0.00062
6.05	0.91230	0.00062
6.10	0.91631	0.00062
6.15	0.92135	0.00063
6.20	0.92626	0.00062
6.25	0.93116	0.00061
6.30	0.93672	0.00061
6.35	0.94185	0.00063
6.40	0.94704	0.00062
6.45	0.95030	0.00059
6.50	0.95560	0.00062
6.55	0.95963	0.00062
6.60	0.96512	0.00061
6.65	0.96981	0.00063
6.70	0.97467	0.00063
6.75	0.97855	0.00061
6.80	0.98328	0.00062
6.85	0.98806	0.00062
6.90	0.99269	0.00062
6.95	0.99642	0.00061
7.00	1.00065	0.00060
7.05	1.00503	0.00061
7.10	1.01008	0.00064

4000

5.40	0.91346	0.00059
5.45	0.91883	0.00060
5.50	0.92543	0.00060
5.55	0.93057	0.00062
5.60	0.93573	0.00060
5.65	0.94198	0.00062
5.70	0.94761	0.00063
5.75	0.95347	0.00061
5.80	0.95912	0.00061
5.85	0.96536	0.00061
5.90	0.97006	0.00061
5.95	0.97531	0.00060
6.00	0.98039	0.00058
6.05	0.98516	0.00062
6.10	0.99303	0.00059
6.15	0.99817	0.00063
6.20	1.00325	0.00058
6.25	1.00738	0.00063
6.30	1.01357	0.00062

5000

4.90	0.91477	0.00060
4.92	0.91806	0.00061
4.94	0.91986	0.00058
4.96	0.92349	0.00061
4.98	0.92622	0.00059
5.00	0.92818	0.00058
5.02	0.93068	0.00059
5.04	0.93341	0.00059
5.06	0.93661	0.00058
5.08	0.93984	0.00060
5.10	0.94110	0.00058
5.12	0.94456	0.00061
5.14	0.94644	0.00061
5.16	0.95105	0.00059
5.18	0.95170	0.00063
5.20	0.95495	0.00062
5.22	0.95690	0.00060
5.24	0.95949	0.00058
5.26	0.96207	0.00059
5.28	0.96419	0.00063
5.30	0.96796	0.00060
5.32	0.96988	0.00061
5.34	0.97175	0.00062
5.36	0.97559	0.00064
5.38	0.97827	0.00063
5.40	0.98005	0.00060
5.42	0.98276	0.00060
5.44	0.98623	0.00064
5.46	0.98802	0.00060
5.48	0.98946	0.00056
5.50	0.99405	0.00060
5.52	0.99484	0.00062
5.54	0.99753	0.00062
5.56	0.99987	0.00061

5.58	1.00230	0.00060
5.60	1.00543	0.00061
5.62	1.00751	0.00060
5.64	1.01017	0.00063
5.66	1.01253	0.00061
5.68	1.01436	0.00060
5.70	1.01694	0.00062

6000			7000			7500		
4.50	0.91673	0.00061	4.20	0.92045	0.00057	4.00	0.91225	0.00058
4.52	0.91787	0.00056	4.22	0.92569	0.00058	4.02	0.91542	0.00057
4.54	0.92073	0.00058	4.24	0.92795	0.00059	4.04	0.91988	0.00059
4.56	0.92510	0.00057	4.26	0.93162	0.00057	4.06	0.92326	0.00055
4.58	0.92764	0.00059	4.28	0.93502	0.00059	4.08	0.92754	0.00055
4.60	0.93009	0.00058	4.30	0.93808	0.00059	4.10	0.93008	0.00057
4.62	0.93293	0.00060	4.32	0.94144	0.00056	4.12	0.93264	0.00059
4.64	0.93679	0.00060	4.34	0.94516	0.00058	4.14	0.93679	0.00056
4.66	0.93965	0.00060	4.36	0.94862	0.00057	4.16	0.94106	0.00060
4.68	0.94231	0.00058	4.38	0.95145	0.00059	4.18	0.94330	0.00059
4.70	0.94543	0.00059	4.40	0.95458	0.00059	4.20	0.94773	0.00061
4.72	0.94893	0.00059	4.42	0.95709	0.00059	4.22	0.95019	0.00062
4.74	0.95086	0.00061	4.44	0.96024	0.00059	4.24	0.95417	0.00055
4.76	0.95542	0.00059	4.46	0.96467	0.00060	4.26	0.95741	0.00056
4.78	0.95690	0.00062	4.48	0.96651	0.00060	4.28	0.96068	0.00056
4.80	0.96070	0.00059	4.50	0.97016	0.00056	4.30	0.96423	0.00060
4.82	0.96240	0.00062	4.52	0.97343	0.00058	4.32	0.96713	0.00058
4.84	0.96613	0.00058	4.54	0.97447	0.00060	4.34	0.97055	0.00058
4.86	0.96851	0.00059	4.56	0.97900	0.00059	4.36	0.97360	0.00059
4.88	0.97232	0.00060	4.58	0.98419	0.00058	4.38	0.97670	0.00059
4.90	0.97523	0.00059	4.60	0.98639	0.00062	4.40	0.97876	0.00057
4.92	0.97819	0.00056	4.62	0.98836	0.00059	4.42	0.98233	0.00059
4.94	0.97949	0.00059	4.64	0.99071	0.00061	4.44	0.98672	0.00060
4.96	0.98335	0.00061	4.66	0.99528	0.00059	4.46	0.99064	0.00057
4.98	0.98598	0.00063	4.68	0.99769	0.00058	4.48	0.99313	0.00059
5.00	0.98814	0.00062	4.70	1.00081	0.00062	4.50	0.99618	0.00059
5.02	0.99178	0.00060	4.72	1.00400	0.00061	4.52	0.99936	0.00059
5.04	0.99407	0.00060	4.74	1.00802	0.00060	4.54	1.00286	0.00062
5.06	0.99805	0.00061	4.76	1.00995	0.00060	4.56	1.00746	0.00058
5.08	0.99992	0.00061	4.78	1.01413	0.00063	4.58	1.00785	0.00061
5.10	1.00182	0.00063	4.80	1.01594	0.00059	4.60	1.01322	0.00061
5.12	1.00591	0.00060						
5.14	1.00869	0.00062						
5.16	1.01056	0.00060						
5.18	1.01347	0.00060						
5.20	1.01587	0.00059						

8000			9000			10000		
3.90	0.91904	0.00056	3.60	0.90874	0.00056	3.40	0.91180	0.00054
3.92	0.92307	0.00058	3.62	0.91280	0.00057	3.42	0.91585	0.00053
3.94	0.92582	0.00058	3.64	0.91641	0.00056	3.44	0.91975	0.00054
3.96	0.93013	0.00057	3.66	0.91957	0.00056	3.46	0.92399	0.00057
3.98	0.93292	0.00056	3.68	0.92301	0.00056	3.48	0.92762	0.00055
4.00	0.93701	0.00056	3.70	0.92812	0.00057	3.50	0.93196	0.00057

4.02	0.94059	0.00055
4.04	0.94472	0.00055
4.06	0.94735	0.00058
4.08	0.95068	0.00058
4.10	0.95449	0.00059
4.12	0.95716	0.00059
4.14	0.96089	0.00056
4.16	0.96448	0.00058
4.18	0.96868	0.00058
4.20	0.97126	0.00058
4.22	0.97530	0.00058
4.24	0.97944	0.00057
4.26	0.98233	0.00059
4.28	0.98541	0.00060
4.30	0.98963	0.00060
4.32	0.99353	0.00059
4.34	0.99608	0.00059
4.36	0.99969	0.00060
4.38	1.00193	0.00059
4.40	1.00473	0.00058

3.72	0.93208	0.00057
3.74	0.93462	0.00057
3.76	0.93869	0.00055
3.78	0.94267	0.00055
3.80	0.94750	0.00058
3.82	0.95103	0.00057
3.84	0.95466	0.00059
3.86	0.95828	0.00056
3.88	0.96155	0.00060
3.90	0.96495	0.00056
3.92	0.96959	0.00056
3.94	0.97291	0.00056
3.96	0.97724	0.00059
3.98	0.98096	0.00056
4.00	0.98471	0.00060
4.02	0.98798	0.00058
4.04	0.99193	0.00055
4.06	0.99600	0.00057
4.08	0.99869	0.00059
4.10	1.00282	0.00057
4.12	1.00623	0.00058
4.14	1.00852	0.00056
4.16	1.01331	0.00058
4.18	1.01660	0.00059
4.20	1.02014	0.00057

3.52	0.93504	0.00055
3.54	0.94022	0.00054
3.56	0.94436	0.00056
3.58	0.94967	0.00056
3.60	0.95227	0.00058
3.62	0.95673	0.00058
3.64	0.95967	0.00058
3.66	0.96432	0.00056
3.68	0.96866	0.00057
3.70	0.97139	0.00055
3.72	0.97731	0.00055
3.74	0.97984	0.00057
3.76	0.98369	0.00058
3.78	0.98781	0.00055
3.80	0.99249	0.00057
3.82	0.99591	0.00057
3.84	0.99914	0.00058
3.86	1.00281	0.00057
3.88	1.00758	0.00058
3.90	1.01169	0.00059

15000

2.60	0.91222	0.00052
2.62	0.91842	0.00050
2.64	0.92309	0.00051
2.66	0.92803	0.00053
2.68	0.93340	0.00050
2.70	0.93947	0.00050
2.72	0.94431	0.00053
2.74	0.94956	0.00054
2.76	0.95533	0.00050
2.78	0.95986	0.00050
2.80	0.96578	0.00051
2.82	0.97001	0.00053
2.84	0.97610	0.00052
2.86	0.98201	0.00051
2.88	0.98663	0.00054
2.90	0.99129	0.00054
2.92	0.99619	0.00051
2.94	1.00189	0.00054
2.96	1.00689	0.00052
2.98	1.01249	0.00052
3.00	1.01653	0.00053

19600

2.10	0.91131	0.00048
2.12	0.91802	0.00050
2.14	0.92467	0.00047
2.16	0.93006	0.00048
2.18	0.93813	0.00048
2.20	0.94406	0.00048
2.22	0.95048	0.00049
2.24	0.95852	0.00050
2.26	0.96296	0.00049
2.28	0.97027	0.00048
2.30	0.97682	0.00051
2.32	0.98385	0.00051
2.34	0.99025	0.00053
2.36	0.99625	0.00051
2.38	1.00247	0.00051
2.40	1.00944	0.00049

sumtable.pu-icyl-0850-10

10			13			15		
20.00	0.87587	0.00032	16.00	0.91763	0.00038	14.00	0.92309	0.00040
22.50	0.90106	0.00032	16.25	0.92306	0.00039	14.25	0.92999	0.00041
25.00	0.92095	0.00029	16.50	0.92694	0.00037	14.50	0.93584	0.00043
27.00	0.93383	0.00029	16.75	0.93115	0.00040	14.75	0.94131	0.00040
27.50	0.93657	0.00029	17.00	0.93646	0.00037	15.00	0.94755	0.00041
28.00	0.93868	0.00029	17.25	0.94019	0.00038	15.25	0.95305	0.00039
29.00	0.94463	0.00028	17.50	0.94282	0.00038	15.50	0.95870	0.00040
30.00	0.94812	0.00027	17.75	0.94748	0.00037	15.75	0.96315	0.00041
31.00	0.95448	0.00029	18.00	0.95137	0.00037	16.00	0.96874	0.00040
32.00	0.95782	0.00027	18.25	0.95535	0.00036	16.25	0.97352	0.00039
32.50	0.95901	0.00028	18.50	0.95904	0.00036	16.50	0.97793	0.00041
33.00	0.96164	0.00026	18.75	0.96270	0.00036	16.75	0.98132	0.00041
34.00	0.96536	0.00028	19.00	0.96653	0.00036	17.00	0.98844	0.00037
35.00	0.96831	0.00027	19.25	0.96903	0.00036	17.25	0.99140	0.00040
36.00	0.97221	0.00025	19.50	0.97295	0.00035	17.50	0.99592	0.00040
37.00	0.97460	0.00026	19.75	0.97510	0.00035	17.75	0.99999	0.00039
37.50	0.97558	0.00026	20.00	0.97916	0.00035	18.00	1.00429	0.00039
38.00	0.97719	0.00025	20.25	0.98320	0.00035	18.25	1.00846	0.00038
39.00	0.97938	0.00026	20.50	0.98393	0.00035	18.50	1.01149	0.00038
40.00	0.98237	0.00025	20.75	0.98843	0.00035	18.75	1.01564	0.00039
41.00	0.98367	0.00025	21.00	0.99085	0.00035	19.00	1.01896	0.00038
42.00	0.98640	0.00026	21.25	0.99355	0.00035	19.25	1.02345	0.00039
42.50	0.98687	0.00025	21.50	0.99646	0.00035	19.50	1.02615	0.00038
43.00	0.98771	0.00025	21.75	0.99978	0.00034	19.75	1.02913	0.00036
44.00	0.99031	0.00024	22.00	1.00070	0.00035	20.00	1.03301	0.00037
45.00	0.99095	0.00024	22.25	1.00432	0.00035			
46.00	0.99361	0.00024	22.50	1.00660	0.00036			
47.00	0.99484	0.00024	22.75	1.00951	0.00034			
47.50	0.99615	0.00023	23.00	1.01015	0.00035			
48.00	0.99640	0.00023						
49.00	0.99845	0.00024						
50.00	0.99955	0.00023						
51.00	1.00087	0.00024						
52.00	1.00218	0.00023						
52.50	1.00221	0.00024						
53.00	1.00271	0.00024						
55.00	1.00461	0.00023						
57.50	1.00736	0.00023						
60.00	1.00927	0.00022						
62.50	1.01083	0.00022						
65.00	1.01316	0.00022						

18			20			22		
12.00	0.92252	0.00046	11.00	0.91625	0.00046	10.00	0.89832	0.00049
12.25	0.93130	0.00045	11.25	0.92627	0.00049	10.20	0.90820	0.00050
12.50	0.93796	0.00046	11.50	0.93591	0.00047	10.40	0.91733	0.00049
12.75	0.94732	0.00045	11.75	0.94515	0.00046	10.60	0.92527	0.00047
13.00	0.95499	0.00043	12.00	0.95398	0.00048	10.80	0.93424	0.00049
13.25	0.96231	0.00045	12.25	0.96137	0.00048	11.00	0.94225	0.00049
13.50	0.96924	0.00043	12.50	0.97132	0.00045	11.20	0.94914	0.00047
13.75	0.97566	0.00045	12.75	0.97818	0.00046	11.40	0.95856	0.00049
14.00	0.98299	0.00043	13.00	0.98583	0.00045	11.60	0.96545	0.00047
14.25	0.98872	0.00044	13.25	0.99413	0.00045	11.80	0.97300	0.00048
14.50	0.99568	0.00043	13.50	1.00020	0.00047	12.00	0.98031	0.00048
14.75	1.00135	0.00043	13.75	1.00870	0.00047	12.20	0.98801	0.00049
15.00	1.00741	0.00044	14.00	1.01522	0.00047	12.40	0.99409	0.00048
15.25	1.01346	0.00044	14.25	1.02176	0.00045	12.60	1.00049	0.00049
15.50	1.01889	0.00042	14.50	1.02693	0.00048	12.80	1.00681	0.00047
15.75	1.02487	0.00044	14.75	1.03462	0.00045	13.00	1.01338	0.00046

16.00	1.02969	0.00043
16.25	1.03417	0.00042
16.50	1.03960	0.00041
16.75	1.04470	0.00044
17.00	1.04971	0.00042

15.00	1.04077	0.00044
15.25	1.04570	0.00046
15.50	1.05152	0.00046
15.75	1.05768	0.00044
16.00	1.06253	0.00045

13.20	1.01947	0.00048
13.40	1.02429	0.00048
13.60	1.03069	0.00046
13.80	1.03566	0.00045
14.00	1.04217	0.00046
14.20	1.04657	0.00047
14.40	1.05283	0.00049
14.60	1.05762	0.00046
14.80	1.06249	0.00046
15.00	1.06736	0.00049

24

10.00	0.92110	0.00051
10.20	0.93092	0.00049
10.40	0.93872	0.00051
10.60	0.94718	0.00052
10.80	0.95581	0.00051
11.00	0.96521	0.00051
11.20	0.97175	0.00051
11.40	0.98068	0.00051
11.60	0.98780	0.00050
11.80	0.99494	0.00050
12.00	1.00214	0.00049
12.20	1.00998	0.00051
12.40	1.01686	0.00049
12.60	1.02311	0.00049
12.80	1.03019	0.00049
13.00	1.03578	0.00049
13.20	1.04269	0.00048
13.40	1.04791	0.00048
13.60	1.05376	0.00047
13.80	1.06047	0.00050
14.00	1.06505	0.00047

25

9.90	0.92618	0.00051
10.10	0.93543	0.00050
10.30	0.94429	0.00051
10.50	0.95413	0.00049
10.70	0.96192	0.00050
10.90	0.97035	0.00051
11.10	0.97996	0.00052
11.30	0.98688	0.00050
11.50	0.99445	0.00049
11.70	1.00213	0.00051
11.90	1.00954	0.00048
12.10	1.01656	0.00050
12.30	1.02373	0.00052
12.50	1.03139	0.00048
12.70	1.03728	0.00049
12.90	1.04383	0.00049
13.10	1.04914	0.00050
13.30	1.05573	0.00050
13.50	1.06247	0.00048
13.70	1.06656	0.00050
13.90	1.07312	0.00048
14.00	1.07531	0.00047

26

9.00	0.88857	0.00050
9.20	0.89992	0.00051
9.40	0.90967	0.00051
9.60	0.92091	0.00051
9.80	0.93028	0.00052
10.00	0.94016	0.00051
10.20	0.94878	0.00052
10.40	0.95897	0.00048
10.60	0.96685	0.00050
10.80	0.97571	0.00051
11.00	0.98403	0.00051
11.20	0.99257	0.00052
11.40	1.00085	0.00051
11.60	1.00815	0.00052
11.80	1.01508	0.00050
12.00	1.02224	0.00053
12.20	1.02950	0.00050
12.40	1.03734	0.00050
12.60	1.04271	0.00049
12.80	1.04995	0.00050
13.00	1.05610	0.00050
13.20	1.06238	0.00048
13.40	1.06811	0.00051
13.60	1.07485	0.00050
13.80	1.08025	0.00051
14.00	1.08567	0.00049

28

9.00	0.90491	0.00050
9.20	0.91557	0.00053
9.40	0.92685	0.00051
9.60	0.93719	0.00055
9.80	0.94705	0.00053
10.00	0.95719	0.00054
10.20	0.96620	0.00051
10.40	0.97508	0.00052
10.60	0.98358	0.00052
10.80	0.99351	0.00054
11.00	1.00069	0.00051
11.20	1.00868	0.00053
11.40	1.01710	0.00050

30

9.00	0.91977	0.00053
9.20	0.93058	0.00054
9.40	0.94075	0.00051
9.60	0.95158	0.00051
9.80	0.96241	0.00053
10.00	0.97101	0.00052
10.20	0.98068	0.00051
10.40	0.99037	0.00053
10.60	0.99881	0.00052
10.80	1.00754	0.00053
11.00	1.01595	0.00050
11.20	1.02395	0.00053
11.40	1.03219	0.00053

32

9.00	0.93352	0.00053
9.05	0.93496	0.00055
9.10	0.93791	0.00053
9.15	0.94156	0.00053
9.20	0.94350	0.00055
9.25	0.94553	0.00053
9.30	0.94838	0.00052
9.35	0.95232	0.00054
9.40	0.95363	0.00053
9.45	0.95704	0.00054
9.50	0.95926	0.00055
9.55	0.96143	0.00053
9.60	0.96393	0.00052

11.60	1.02585	0.00053
11.80	1.03352	0.00050
12.00	1.03983	0.00051
12.20	1.04767	0.00052
12.40	1.05431	0.00052
12.60	1.05975	0.00051
12.80	1.06718	0.00050
13.00	1.07322	0.00052

11.60	1.04019	0.00050
11.80	1.04671	0.00052
12.00	1.05500	0.00052
12.20	1.06188	0.00052
12.40	1.06857	0.00052
12.60	1.07611	0.00053
12.80	1.08374	0.00050
13.00	1.08913	0.00053

9.65	0.96655	0.00056
9.70	0.96925	0.00052
9.75	0.97143	0.00056
9.80	0.97480	0.00052
9.85	0.97734	0.00054
9.90	0.97922	0.00056
9.95	0.98223	0.00052
10.00	0.98447	0.00054
10.05	0.98674	0.00052
10.10	0.98884	0.00051
10.15	0.99165	0.00053
10.20	0.99366	0.00054
10.25	0.99684	0.00051
10.30	0.99900	0.00053
10.35	1.00045	0.00053
10.40	1.00435	0.00053
10.60	1.01281	0.00057
10.80	1.02044	0.00055
11.00	1.02933	0.00052

36

8.00	0.89319	0.00055
8.20	0.90604	0.00058
8.40	0.91860	0.00054
8.60	0.92967	0.00056
8.80	0.94211	0.00054
9.00	0.95339	0.00056
9.20	0.96518	0.00056
9.40	0.97629	0.00056
9.60	0.98693	0.00056
9.80	0.99634	0.00056
10.00	1.00656	0.00054
10.20	1.01639	0.00054
10.40	1.02471	0.00055
10.60	1.03422	0.00056
10.80	1.04333	0.00052
11.00	1.05232	0.00053
11.20	1.05964	0.00052
11.40	1.06865	0.00056
11.60	1.07572	0.00053
11.80	1.08306	0.00053
12.00	1.09233	0.00053

40

8.00	0.91089	0.00058
8.05	0.91376	0.00054
8.10	0.91696	0.00055
8.15	0.92046	0.00057
8.20	0.92319	0.00058
8.25	0.92674	0.00058
8.30	0.93054	0.00056
8.35	0.93384	0.00057
8.40	0.93688	0.00057
8.45	0.93833	0.00056
8.50	0.94273	0.00057
8.55	0.94482	0.00057
8.60	0.94897	0.00053
8.65	0.95165	0.00057
8.70	0.95463	0.00056
8.75	0.95679	0.00057
8.80	0.96023	0.00054
8.85	0.96359	0.00057
8.90	0.96618	0.00056
8.95	0.96887	0.00057
9.00	0.97182	0.00055
9.05	0.97459	0.00058
9.10	0.97732	0.00059
9.15	0.98063	0.00056
9.20	0.98315	0.00057
9.25	0.98591	0.00055
9.30	0.98842	0.00055
9.35	0.99138	0.00057
9.40	0.99302	0.00058
9.45	0.99627	0.00056
9.50	0.99924	0.00055
9.55	1.00105	0.00056
9.60	1.00410	0.00056
9.65	1.00651	0.00058
9.70	1.00914	0.00055

45

7.90	0.92137	0.00059
7.95	0.92482	0.00058
8.00	0.92833	0.00057
8.05	0.93147	0.00058
8.10	0.93462	0.00056
8.15	0.93776	0.00057
8.20	0.94080	0.00056
8.25	0.94512	0.00058
8.30	0.94707	0.00056
8.35	0.95031	0.00058
8.40	0.95286	0.00057
8.45	0.95632	0.00058
8.50	0.95961	0.00058
8.55	0.96208	0.00057
8.60	0.96615	0.00054
8.65	0.96907	0.00057
8.70	0.97214	0.00056
8.75	0.97454	0.00056
8.80	0.97658	0.00056
8.85	0.98115	0.00058
8.90	0.98364	0.00058
8.95	0.98620	0.00058
9.00	0.98778	0.00056
9.05	0.99144	0.00058
9.10	0.99475	0.00058
9.15	0.99731	0.00057
9.20	0.99982	0.00056
9.25	1.00276	0.00059
9.30	1.00569	0.00060
9.35	1.00858	0.00057
9.40	1.01039	0.00058

50			75			100		
7.70	0.92170	0.00055	7.00	0.90976	0.00062	6.90	0.91823	0.00063
7.75	0.92518	0.00059	7.05	0.91338	0.00061	6.95	0.92148	0.00061
7.80	0.92802	0.00056	7.10	0.91635	0.00061	7.00	0.92628	0.00064
7.85	0.93200	0.00060	7.15	0.92047	0.00060	7.05	0.93039	0.00062
7.90	0.93610	0.00060	7.20	0.92445	0.00061	7.10	0.93437	0.00059
7.95	0.93779	0.00057	7.25	0.92771	0.00060	7.15	0.93660	0.00062
8.00	0.94123	0.00058	7.30	0.93232	0.00061	7.20	0.94052	0.00059
8.05	0.94385	0.00059	7.35	0.93441	0.00061	7.25	0.94420	0.00061
8.10	0.94722	0.00058	7.40	0.93951	0.00062	7.30	0.94706	0.00061
8.15	0.95150	0.00057	7.45	0.94225	0.00059	7.35	0.95094	0.00062
8.20	0.95605	0.00059	7.50	0.94660	0.00060	7.40	0.95491	0.00062
8.25	0.95722	0.00056	7.55	0.95032	0.00059	7.45	0.95822	0.00063
8.30	0.96107	0.00058	7.60	0.95265	0.00061	7.50	0.96188	0.00062
8.35	0.96354	0.00059	7.65	0.95641	0.00060	7.55	0.96565	0.00061
8.40	0.96715	0.00058	7.70	0.96078	0.00059	7.60	0.96894	0.00062
8.45	0.96927	0.00059	7.75	0.96250	0.00060	7.65	0.97157	0.00063
8.50	0.97389	0.00059	7.80	0.96640	0.00062	7.70	0.97378	0.00064
8.55	0.97608	0.00059	7.85	0.97047	0.00062	7.75	0.97861	0.00063
8.60	0.97904	0.00058	7.90	0.97367	0.00060	7.80	0.98143	0.00061
8.65	0.98358	0.00059	7.95	0.97734	0.00061	7.85	0.98555	0.00063
8.70	0.98528	0.00057	8.00	0.97954	0.00061	7.90	0.98816	0.00059
8.75	0.98857	0.00058	8.05	0.98254	0.00063	7.95	0.99162	0.00062
8.80	0.99164	0.00059	8.10	0.98738	0.00061	8.00	0.99267	0.00060
8.85	0.99411	0.00058	8.15	0.98951	0.00063	8.05	0.99780	0.00060
8.90	0.99743	0.00057	8.20	0.99255	0.00060	8.10	0.99995	0.00060
8.95	0.99969	0.00056	8.25	0.99591	0.00061	8.15	1.00405	0.00061
9.00	1.00229	0.00057	8.30	0.99789	0.00063	8.20	1.00757	0.00064
9.05	1.00591	0.00058	8.35	1.00162	0.00061			
9.10	1.00928	0.00057	8.40	1.00532	0.00061			
			8.45	1.00817	0.00061			
			8.50	1.01115	0.00060			

150			200			350		
6.80	0.92255	0.00061	6.80	0.92402	0.00060	6.90	0.92860	0.00063
6.85	0.92539	0.00065	6.85	0.92730	0.00063	6.95	0.93212	0.00063
6.90	0.92878	0.00061	6.90	0.92992	0.00061	7.00	0.93447	0.00064
6.95	0.93212	0.00062	6.95	0.93456	0.00066	7.05	0.93819	0.00063
7.00	0.93702	0.00064	7.00	0.93879	0.00066	7.10	0.94133	0.00062
7.05	0.93903	0.00062	7.05	0.94209	0.00061	7.15	0.94439	0.00062
7.10	0.94353	0.00064	7.10	0.94432	0.00062	7.20	0.94905	0.00063
7.15	0.94748	0.00063	7.15	0.94827	0.00063	7.25	0.95112	0.00062
7.20	0.95052	0.00062	7.20	0.95117	0.00062	7.30	0.95367	0.00062
7.25	0.95539	0.00061	7.25	0.95558	0.00063	7.35	0.95714	0.00065
7.30	0.95754	0.00065	7.30	0.95787	0.00063	7.40	0.95992	0.00065
7.35	0.95906	0.00061	7.35	0.96119	0.00062	7.45	0.96362	0.00063
7.40	0.96309	0.00061	7.40	0.96502	0.00062	7.50	0.96599	0.00063
7.45	0.96780	0.00059	7.45	0.96782	0.00062	7.55	0.96954	0.00065
7.50	0.97044	0.00064	7.50	0.97048	0.00063	7.60	0.97135	0.00064
7.55	0.97454	0.00063	7.55	0.97409	0.00067	7.65	0.97580	0.00062
7.60	0.97744	0.00062	7.60	0.97833	0.00064	7.70	0.97732	0.00063
7.65	0.98041	0.00062	7.65	0.98039	0.00061	7.75	0.98160	0.00066
7.70	0.98457	0.00061	7.70	0.98321	0.00064	7.80	0.98349	0.00063
7.75	0.98718	0.00065	7.75	0.98657	0.00064	7.85	0.98637	0.00064
7.80	0.98888	0.00065	7.80	0.98826	0.00063	7.90	0.98941	0.00062
7.85	0.99397	0.00064	7.85	0.99249	0.00064	7.95	0.99120	0.00067
7.90	0.99628	0.00063	7.90	0.99617	0.00066	8.00	0.99539	0.00064

7.95	0.99888	0.00063	7.95	0.99930	0.00065	8.05	0.99746	0.00065
8.00	1.00290	0.00064	8.00	1.00154	0.00065	8.10	1.00076	0.00062
8.05	1.00535	0.00063	8.05	1.00507	0.00066	8.15	1.00228	0.00065
8.10	1.00875	0.00062	8.10	1.00740	0.00063	8.20	1.00572	0.00064
						8.25	1.00857	0.00062
						8.30	1.01120	0.00063

500			750			1000		
6.80	0.92255	0.00060	6.70	0.92481	0.00062	6.40	0.91806	0.00062
6.90	0.92889	0.00062	6.80	0.93046	0.00061	6.45	0.92100	0.00060
7.00	0.93449	0.00063	6.90	0.93757	0.00062	6.50	0.92477	0.00062
7.10	0.94091	0.00060	7.00	0.94324	0.00063	6.55	0.92961	0.00059
7.20	0.94770	0.00062	7.10	0.94890	0.00060	6.60	0.93219	0.00062
7.30	0.95429	0.00062	7.20	0.95489	0.00060	6.65	0.93564	0.00062
7.40	0.95942	0.00064	7.30	0.96094	0.00061	6.70	0.93683	0.00063
7.50	0.96622	0.00063	7.40	0.96699	0.00063	6.75	0.94128	0.00063
7.60	0.97175	0.00063	7.50	0.97254	0.00064	6.80	0.94470	0.00063
7.70	0.97600	0.00064	7.60	0.97867	0.00063	6.85	0.94774	0.00062
7.80	0.98240	0.00060	7.70	0.98291	0.00061	6.90	0.94968	0.00064
7.90	0.98779	0.00062	7.80	0.98925	0.00061	6.95	0.95298	0.00060
8.00	0.99362	0.00067	7.90	0.99471	0.00062	7.00	0.95704	0.00061
8.10	0.99875	0.00065	8.00	1.00134	0.00063	7.05	0.96005	0.00059
8.20	1.00406	0.00064	8.10	1.00499	0.00061	7.10	0.96378	0.00063
8.30	1.00903	0.00062	8.20	1.01036	0.00062	7.15	0.96636	0.00060
8.40	1.01263	0.00062	8.30	1.01597	0.00063	7.20	0.96878	0.00064
8.50	1.01808	0.00064	8.40	1.02032	0.00063	7.25	0.97118	0.00061
8.60	1.02359	0.00062	8.50	1.02408	0.00059	7.30	0.97437	0.00064
8.70	1.02877	0.00064	8.60	1.03008	0.00061	7.35	0.97692	0.00062
8.80	1.03432	0.00065	8.70	1.03469	0.00061	7.40	0.98114	0.00060
8.90	1.03833	0.00066	8.80	1.04025	0.00066	7.45	0.98342	0.00063
9.00	1.04367	0.00063	8.90	1.04470	0.00062	7.50	0.98725	0.00061
9.10	1.04745	0.00063	9.00	1.04974	0.00063	7.55	0.98920	0.00062
9.20	1.05193	0.00065	9.10	1.05299	0.00064	7.60	0.99317	0.00062
9.30	1.05601	0.00065	9.20	1.05742	0.00065	7.65	0.99560	0.00060
9.40	1.06094	0.00061	9.30	1.06176	0.00065	7.70	0.99667	0.00062
9.50	1.06471	0.00061	9.40	1.06516	0.00059	7.75	1.00122	0.00061
9.60	1.06918	0.00063	9.50	1.07016	0.00064	7.80	1.00318	0.00060
9.70	1.07231	0.00065	9.60	1.07567	0.00062	7.85	1.00685	0.00062
9.80	1.07730	0.00064	9.70	1.07756	0.00060	7.90	1.00814	0.00061
9.90	1.08177	0.00065	9.80	1.08194	0.00064	7.95	1.01124	0.00062
10.00	1.08442	0.00064	9.90	1.08703	0.00064	8.00	1.01453	0.00061
			10.00	1.09075	0.00064			

1500			2000			2500		
6.00	0.92375	0.00061	5.50	0.91831	0.00060	5.00	0.90616	0.00060
6.05	0.92601	0.00062	5.55	0.92309	0.00063	5.05	0.91232	0.00058
6.10	0.93012	0.00061	5.60	0.92654	0.00060	5.10	0.91625	0.00058
6.15	0.93318	0.00061	5.65	0.93121	0.00061	5.15	0.92143	0.00059
6.20	0.93794	0.00062	5.70	0.93456	0.00062	5.20	0.92645	0.00062
6.25	0.94196	0.00058	5.75	0.93850	0.00060	5.25	0.93018	0.00058
6.30	0.94416	0.00060	5.80	0.94290	0.00059	5.30	0.93515	0.00059
6.35	0.94870	0.00060	5.85	0.94698	0.00059	5.35	0.93937	0.00058
6.40	0.95183	0.00058	5.90	0.95053	0.00061	5.40	0.94480	0.00058

6.45	0.95552	0.00065
6.50	0.95966	0.00060
6.55	0.96194	0.00061
6.60	0.96591	0.00058
6.65	0.96937	0.00061
6.70	0.97222	0.00060
6.75	0.97563	0.00062
6.80	0.97906	0.00062
6.85	0.98332	0.00059
6.90	0.98609	0.00060
6.95	0.98828	0.00062
7.00	0.99159	0.00061
7.05	0.99479	0.00060
7.10	0.99851	0.00061
7.15	1.00134	0.00060
7.20	1.00538	0.00064
7.25	1.00753	0.00062
7.30	1.01117	0.00063

5.95	0.95449	0.00061
6.00	0.95767	0.00061
6.05	0.96259	0.00062
6.10	0.96660	0.00061
6.15	0.97126	0.00060
6.20	0.97458	0.00060
6.25	0.97779	0.00059
6.30	0.98211	0.00060
6.35	0.98648	0.00061
6.40	0.98928	0.00061
6.45	0.99317	0.00059
6.50	0.99710	0.00057
6.55	1.00110	0.00061
6.60	1.00468	0.00062
6.65	1.00782	0.00061
6.70	1.01130	0.00063

5.45	0.94872	0.00062
5.50	0.95364	0.00059
5.55	0.95872	0.00062
5.60	0.96230	0.00060
5.65	0.96723	0.00058
5.70	0.97076	0.00060
5.75	0.97478	0.00059
5.80	0.97937	0.00061
5.85	0.98306	0.00058
5.90	0.98906	0.00060
5.95	0.99314	0.00061
6.00	0.99575	0.00060
6.05	1.00046	0.00059
6.10	1.00457	0.00060
6.15	1.00828	0.00060
6.20	1.01239	0.00060

3000

4.80	0.91911	0.00061
4.85	0.92412	0.00062
4.90	0.92873	0.00060
4.95	0.93420	0.00059
5.00	0.94018	0.00062
5.05	0.94504	0.00058
5.10	0.94975	0.00058
5.15	0.95506	0.00058
5.20	0.95895	0.00059
5.25	0.96414	0.00060
5.30	0.96836	0.00062
5.35	0.97400	0.00059
5.40	0.97938	0.00057
5.45	0.98508	0.00058
5.50	0.98743	0.00061
5.55	0.99334	0.00061
5.60	0.99764	0.00060
5.65	1.00269	0.00059
5.70	1.00711	0.00061

4000

4.30	0.92130	0.00059
4.35	0.92882	0.00059
4.40	0.93405	0.00059
4.45	0.93984	0.00058
4.50	0.94569	0.00062
4.55	0.95256	0.00059
4.60	0.95910	0.00060
4.65	0.96420	0.00057
4.70	0.96995	0.00060
4.75	0.97630	0.00059
4.80	0.98125	0.00060
4.85	0.98747	0.00058
4.90	0.99230	0.00059
4.95	0.99844	0.00060
5.00	1.00344	0.00059
5.05	1.00974	0.00058
5.10	1.01530	0.00060

5000

3.90	0.92268	0.00058
3.92	0.92544	0.00057
3.94	0.92772	0.00058
3.96	0.93025	0.00056
3.98	0.93373	0.00059
4.00	0.93719	0.00056
4.02	0.93910	0.00057
4.04	0.94143	0.00058
4.06	0.94550	0.00056
4.08	0.94735	0.00059
4.10	0.94905	0.00058
4.12	0.95155	0.00058
4.14	0.95572	0.00058
4.16	0.95790	0.00057
4.18	0.96169	0.00061
4.20	0.96424	0.00059
4.22	0.96656	0.00058
4.24	0.96899	0.00059
4.26	0.97176	0.00060
4.28	0.97456	0.00060
4.30	0.97711	0.00057
4.32	0.98002	0.00060
4.34	0.98265	0.00061
4.36	0.98455	0.00060
4.38	0.98707	0.00060
4.40	0.98988	0.00059
4.42	0.99413	0.00061
4.44	0.99623	0.00061
4.46	0.99869	0.00063
4.48	1.00121	0.00058
4.50	1.00369	0.00060
4.52	1.00545	0.00059
4.54	1.00889	0.00059
4.56	1.00971	0.00058
4.58	1.01445	0.00059
4.60	1.01570	0.00060

6000			7000			7500		
3.60	0.92530	0.00058	3.30	0.91900	0.00058	3.20	0.92172	0.00060
3.62	0.92828	0.00059	3.32	0.92145	0.00056	3.22	0.92485	0.00059
3.64	0.93148	0.00061	3.34	0.92613	0.00055	3.24	0.92924	0.00058
3.66	0.93478	0.00056	3.36	0.92931	0.00059	3.26	0.93256	0.00055
3.68	0.93758	0.00057	3.38	0.93301	0.00059	3.28	0.93577	0.00059
3.70	0.94018	0.00060	3.40	0.93664	0.00059	3.30	0.93940	0.00058
3.72	0.94455	0.00059	3.42	0.93996	0.00060	3.32	0.94309	0.00058
3.74	0.94691	0.00059	3.44	0.94351	0.00058	3.34	0.94651	0.00059
3.76	0.95012	0.00056	3.46	0.94719	0.00060	3.36	0.95033	0.00059
3.78	0.95402	0.00057	3.48	0.95006	0.00059	3.38	0.95367	0.00060
3.80	0.95654	0.00060	3.50	0.95299	0.00060	3.40	0.95710	0.00059
3.82	0.95920	0.00059	3.52	0.95782	0.00059	3.42	0.96149	0.00058
3.84	0.96263	0.00059	3.54	0.96125	0.00057	3.44	0.96478	0.00057
3.86	0.96529	0.00059	3.56	0.96400	0.00058	3.46	0.96802	0.00057
3.88	0.96861	0.00056	3.58	0.96764	0.00059	3.48	0.97111	0.00060
3.90	0.97101	0.00059	3.60	0.97120	0.00057	3.50	0.97545	0.00057
3.92	0.97485	0.00059	3.62	0.97448	0.00058	3.52	0.97838	0.00057
3.94	0.97743	0.00060	3.64	0.97688	0.00059	3.54	0.98257	0.00058
3.96	0.98079	0.00059	3.66	0.98061	0.00061	3.56	0.98562	0.00060
3.98	0.98375	0.00059	3.68	0.98443	0.00058	3.58	0.98924	0.00058
4.00	0.98664	0.00059	3.70	0.98736	0.00058	3.60	0.99170	0.00059
4.02	0.98998	0.00061	3.72	0.99021	0.00056	3.62	0.99597	0.00059
4.04	0.99335	0.00059	3.74	0.99328	0.00055	3.64	0.99826	0.00058
4.06	0.99562	0.00058	3.76	0.99653	0.00058	3.66	1.00169	0.00060
4.08	0.99905	0.00060	3.78	0.99919	0.00059	3.68	1.00574	0.00061
4.10	1.00097	0.00058	3.80	1.00365	0.00060	3.70	1.00910	0.00060
4.12	1.00303	0.00058	3.82	1.00688	0.00060			
4.14	1.00748	0.00060	3.84	1.00901	0.00059			
4.16	1.00971	0.00058	3.86	1.01184	0.00059			
4.18	1.01181	0.00059	3.88	1.01673	0.00060			
4.20	1.01487	0.00059	3.90	1.01904	0.00062			
			3.92	1.02235	0.00060			
			3.94	1.02470	0.00059			
			3.96	1.02871	0.00060			
			3.98	1.03185	0.00060			
			4.00	1.03434	0.00059			

8000			9000			10000		
3.00	0.90326	0.00058	2.90	0.92085	0.00055	2.70	0.91437	0.00055
3.02	0.90628	0.00058	2.92	0.92500	0.00057	2.72	0.91837	0.00058
3.04	0.91061	0.00056	2.94	0.92955	0.00057	2.74	0.92194	0.00057
3.06	0.91582	0.00057	2.96	0.93262	0.00058	2.76	0.92756	0.00057
3.08	0.91879	0.00057	2.98	0.93731	0.00058	2.78	0.93123	0.00057
3.10	0.92335	0.00058	3.00	0.94144	0.00056	2.80	0.93628	0.00056
3.12	0.92560	0.00058	3.02	0.94501	0.00058	2.82	0.93965	0.00058
3.14	0.93023	0.00057	3.04	0.94949	0.00058	2.84	0.94406	0.00057
3.16	0.93413	0.00056	3.06	0.95353	0.00059	2.86	0.94925	0.00058
3.18	0.93831	0.00059	3.08	0.95793	0.00056	2.88	0.95262	0.00058
3.20	0.94227	0.00056	3.10	0.96201	0.00057	2.90	0.95678	0.00058
3.22	0.94506	0.00058	3.12	0.96568	0.00056	2.92	0.96062	0.00058
3.24	0.94877	0.00056	3.14	0.96940	0.00059	2.94	0.96548	0.00059
3.26	0.95334	0.00059	3.16	0.97358	0.00057	2.96	0.96960	0.00058
3.28	0.95597	0.00056	3.18	0.97676	0.00058	2.98	0.97506	0.00059

3.30	0.96053	0.00060	3.20	0.98038	0.00059	3.00	0.97927	0.00060
3.32	0.96405	0.00057	3.22	0.98477	0.00058	3.02	0.98281	0.00056
3.34	0.96790	0.00059	3.24	0.98881	0.00057	3.04	0.98665	0.00058
3.36	0.97160	0.00059	3.26	0.99303	0.00057	3.06	0.99203	0.00060
3.38	0.97467	0.00055	3.28	0.99755	0.00058	3.08	0.99542	0.00057
3.40	0.97887	0.00059	3.30	1.00123	0.00058	3.10	1.00053	0.00059
3.42	0.98202	0.00059	3.32	1.00416	0.00061	3.12	1.00343	0.00059
3.44	0.98597	0.00061	3.34	1.00832	0.00060	3.14	1.00788	0.00057
3.46	0.98923	0.00057	3.36	1.01240	0.00059	3.16	1.01166	0.00057
3.48	0.99314	0.00058	3.38	1.01527	0.00058	3.18	1.01554	0.00057
3.50	0.99616	0.00058	3.40	1.01950	0.00059	3.20	1.02106	0.00059
3.52	0.99948	0.00060						
3.54	1.00412	0.00061						
3.56	1.00659	0.00059						
3.58	1.01092	0.00058						
3.60	1.01503	0.00059						

15000			19600		
2.10	0.91636	0.00053	1.70	0.90486	0.00052
2.12	0.92150	0.00055	1.72	0.91260	0.00056
2.14	0.92829	0.00056	1.74	0.91939	0.00051
2.16	0.93406	0.00055	1.76	0.92747	0.00054
2.18	0.94011	0.00054	1.78	0.93433	0.00054
2.20	0.94572	0.00057	1.80	0.94129	0.00057
2.22	0.95128	0.00053	1.82	0.94893	0.00054
2.24	0.95690	0.00056	1.84	0.95557	0.00053
2.26	0.96327	0.00056	1.86	0.96363	0.00055
2.28	0.96814	0.00059	1.88	0.96991	0.00056
2.30	0.97459	0.00053	1.90	0.97802	0.00055
2.32	0.97926	0.00057	1.92	0.98458	0.00057
2.34	0.98515	0.00056	1.94	0.99194	0.00054
2.36	0.99042	0.00055	1.96	0.99919	0.00055
2.38	0.99644	0.00058	1.98	1.00517	0.00057
2.40	1.00205	0.00056	2.00	1.01289	0.00059
2.42	1.00646	0.00055			
2.44	1.01293	0.00055			
2.46	1.01876	0.00060			
2.48	1.02375	0.00057			
2.50	1.03025	0.00057			

sumtable.pu-icyl-0900-00

10			13			15		
20.00	0.87852	0.00037	17.00	0.91940	0.00042	15.00	0.91379	0.00045
21.00	0.89201	0.00035	17.25	0.92511	0.00043	15.25	0.92197	0.00045
22.00	0.90551	0.00035	17.50	0.93168	0.00042	15.50	0.92890	0.00047
23.00	0.91776	0.00035	17.75	0.93749	0.00042	15.75	0.93672	0.00045
24.00	0.92859	0.00034	18.00	0.94229	0.00041	16.00	0.94438	0.00044
25.00	0.93821	0.00034	18.25	0.94749	0.00043	16.25	0.95101	0.00044
26.00	0.94707	0.00033	18.50	0.95253	0.00042	16.50	0.95780	0.00045
27.00	0.95434	0.00033	18.75	0.95718	0.00041	16.75	0.96300	0.00044
28.00	0.96173	0.00030	19.00	0.96186	0.00041	17.00	0.96993	0.00044
29.00	0.96842	0.00031	19.25	0.96702	0.00041	17.25	0.97628	0.00045
30.00	0.97557	0.00032	19.50	0.97071	0.00042	17.50	0.98200	0.00045

31.00	0.98045	0.00030
32.00	0.98553	0.00029
33.00	0.99016	0.00030
34.00	0.99555	0.00030
35.00	0.99933	0.00029
36.00	1.00264	0.00027
37.00	1.00649	0.00028
38.00	1.01003	0.00029
39.00	1.01286	0.00027
40.00	1.01562	0.00027
41.00	1.01897	0.00027
42.00	1.02155	0.00026
43.00	1.02357	0.00026
44.00	1.02632	0.00026
45.00	1.02856	0.00025
46.00	1.02876	0.00026
47.00	1.03223	0.00025
48.00	1.03393	0.00026
49.00	1.03640	0.00025
50.00	1.03736	0.00024

19.75	0.97705	0.00040
20.00	0.97883	0.00041
20.25	0.98519	0.00041
20.50	0.98718	0.00042
20.75	0.99156	0.00038
21.00	0.99611	0.00040
21.25	1.00034	0.00039
21.50	1.00353	0.00037
21.75	1.00686	0.00038
22.00	1.01047	0.00039
22.25	1.01380	0.00039
22.50	1.01704	0.00038
22.75	1.01967	0.00039
23.00	1.02374	0.00037

17.75	0.98729	0.00045
18.00	0.99407	0.00044
18.25	0.99939	0.00045
18.50	1.00438	0.00045
18.75	1.01008	0.00044
19.00	1.01467	0.00044
19.25	1.01947	0.00043
19.50	1.02434	0.00044
19.75	1.02816	0.00043
20.00	1.03347	0.00041
20.25	1.03671	0.00043
20.50	1.04052	0.00043
20.75	1.04547	0.00042
21.00	1.04915	0.00041

18		
13.00	0.89495	0.00051
13.20	0.90391	0.00052
13.40	0.91357	0.00053
13.60	0.91983	0.00051
13.80	0.92848	0.00050
14.00	0.93537	0.00051
14.20	0.94332	0.00052
14.40	0.95015	0.00051
14.60	0.95812	0.00050
14.80	0.96477	0.00052
15.00	0.97105	0.00048
15.20	0.97743	0.00049
15.40	0.98476	0.00048
15.60	0.99040	0.00049
15.80	0.99662	0.00051
16.00	1.00216	0.00047
16.20	1.00804	0.00048
16.40	1.01388	0.00050
16.60	1.01940	0.00050
16.80	1.02519	0.00049
17.00	1.02910	0.00048
17.20	1.03564	0.00049
17.40	1.04035	0.00048
17.60	1.04431	0.00050
17.80	1.04924	0.00046
18.00	1.05403	0.00047

20		
12.90	0.91979	0.00053
13.10	0.92968	0.00053
13.30	0.93766	0.00053
13.50	0.94557	0.00053
13.70	0.95473	0.00054
13.90	0.96213	0.00052
14.10	0.97029	0.00051
14.30	0.97735	0.00051
14.50	0.98420	0.00052
14.70	0.99235	0.00052
14.90	0.99833	0.00054
15.10	1.00547	0.00052
15.30	1.01310	0.00052
15.50	1.02005	0.00049
15.70	1.02548	0.00050
15.90	1.03027	0.00050
16.10	1.03703	0.00052
16.30	1.04333	0.00051
16.50	1.04882	0.00048
16.70	1.05438	0.00052
16.90	1.05937	0.00050
17.00	1.06257	0.00050

22		
12.00	0.90178	0.00052
12.20	0.91152	0.00055
12.40	0.92130	0.00056
12.60	0.93069	0.00055
12.80	0.93976	0.00053
13.00	0.94787	0.00055
13.20	0.95879	0.00052
13.40	0.96652	0.00054
13.60	0.97534	0.00053
13.80	0.98442	0.00054
14.00	0.99129	0.00054
14.20	1.00079	0.00053
14.40	1.00809	0.00053
14.60	1.01479	0.00054
14.80	1.02112	0.00050
15.00	1.02881	0.00056
15.20	1.03525	0.00054
15.40	1.04157	0.00052
15.60	1.04948	0.00053
15.80	1.05516	0.00051
16.00	1.06210	0.00055

24			25			26		
12.00	0.92249	0.00055	11.00	0.87463	0.00057	11.70	0.92402	0.00059
12.20	0.93198	0.00055	11.20	0.88663	0.00056	11.75	0.92668	0.00055
12.40	0.94241	0.00055	11.40	0.89764	0.00058	11.80	0.92911	0.00056
12.60	0.95205	0.00056	11.60	0.90994	0.00055	11.85	0.93242	0.00055
12.80	0.96256	0.00058	11.80	0.92053	0.00058	11.90	0.93494	0.00058
13.00	0.97229	0.00055	12.00	0.93160	0.00057	11.95	0.93774	0.00057
13.20	0.97964	0.00057	12.20	0.94162	0.00057	12.00	0.93931	0.00057
13.40	0.98918	0.00056	12.40	0.95237	0.00056	12.05	0.94238	0.00058
13.60	0.99760	0.00055	12.60	0.96192	0.00056	12.10	0.94581	0.00059
13.80	1.00599	0.00055	12.80	0.97083	0.00060	12.15	0.94919	0.00057
14.00	1.01384	0.00053	13.00	0.98185	0.00055	12.20	0.95116	0.00058
14.20	1.02213	0.00056	13.20	0.98917	0.00057	12.25	0.95258	0.00055
14.40	1.03046	0.00056	13.40	0.99848	0.00058	12.30	0.95572	0.00057
14.60	1.03592	0.00055	13.60	1.00785	0.00058	12.35	0.95794	0.00056
14.80	1.04346	0.00056	13.80	1.01441	0.00055	12.40	0.96075	0.00060
15.00	1.05024	0.00054	14.00	1.02327	0.00057	12.45	0.96362	0.00059
15.20	1.05844	0.00055	14.20	1.03117	0.00057	12.50	0.96517	0.00058
15.40	1.06464	0.00053	14.40	1.03905	0.00053	12.55	0.96753	0.00057
15.60	1.07075	0.00053	14.60	1.04626	0.00055	12.60	0.96987	0.00056
15.80	1.07767	0.00056	14.80	1.05418	0.00056	12.65	0.97326	0.00059
16.00	1.08270	0.00055	15.00	1.06136	0.00055	12.70	0.97503	0.00058
			15.20	1.06886	0.00054	12.75	0.97728	0.00056
			15.40	1.07522	0.00054	12.80	0.98059	0.00059
			15.60	1.08214	0.00053	12.85	0.98148	0.00056
			15.80	1.08870	0.00053	12.90	0.98520	0.00058
			16.00	1.09501	0.00055	12.95	0.98680	0.00057
						13.00	0.99000	0.00057
						13.05	0.99257	0.00056
						13.10	0.99388	0.00056
						13.15	0.99628	0.00057
						13.20	0.99934	0.00055
						13.25	1.00225	0.00057
						13.30	1.00413	0.00057

28			30			32		
11.40	0.92243	0.00059	11.00	0.91146	0.00061	11.00	0.92341	0.00061
11.45	0.92574	0.00060	11.10	0.91821	0.00059	11.05	0.92734	0.00059
11.50	0.92840	0.00059	11.20	0.92463	0.00060	11.10	0.92987	0.00059
11.55	0.93074	0.00060	11.30	0.93064	0.00060	11.15	0.93291	0.00063
11.60	0.93256	0.00057	11.40	0.93601	0.00061	11.20	0.93676	0.00060
11.65	0.93618	0.00058	11.50	0.94201	0.00061	11.25	0.93959	0.00058
11.70	0.93961	0.00058	11.60	0.94755	0.00061	11.30	0.94342	0.00061
11.75	0.94168	0.00059	11.70	0.95395	0.00057	11.35	0.94504	0.00061
11.80	0.94486	0.00059	11.80	0.95920	0.00058	11.40	0.94758	0.00061
11.85	0.94748	0.00059	11.90	0.96371	0.00061	11.45	0.95181	0.00062
11.90	0.95003	0.00055	12.00	0.97003	0.00060	11.50	0.95360	0.00062
11.95	0.95258	0.00059	12.10	0.97557	0.00057	11.55	0.95778	0.00060
12.00	0.95608	0.00058	12.20	0.97963	0.00063	11.60	0.96051	0.00063
12.05	0.95857	0.00059	12.30	0.98581	0.00057	11.65	0.96288	0.00059
12.10	0.96239	0.00059	12.40	0.99059	0.00061	11.70	0.96477	0.00062
12.15	0.96294	0.00059	12.50	0.99663	0.00058	11.75	0.96757	0.00059
12.20	0.96638	0.00058	12.60	1.00034	0.00057	11.80	0.97115	0.00062
12.25	0.96920	0.00057	12.70	1.00661	0.00058	11.85	0.97394	0.00060
12.30	0.97190	0.00058	12.80	1.01138	0.00061	11.90	0.97676	0.00057
12.35	0.97512	0.00056	12.90	1.01506	0.00057	11.95	0.97837	0.00063
12.40	0.97755	0.00059	13.00	1.02082	0.00059	12.00	0.98243	0.00060
12.45	0.98059	0.00058				12.05	0.98457	0.00061

12.50	0.98272	0.00059
12.55	0.98404	0.00058
12.60	0.98626	0.00057
12.65	0.98850	0.00057
12.70	0.99225	0.00059
12.75	0.99440	0.00059
12.80	0.99733	0.00059
12.85	0.99923	0.00056
12.90	1.00144	0.00059
12.95	1.00390	0.00057
13.00	1.00542	0.00057
13.05	1.00799	0.00059
13.10	1.01227	0.00061

12.10	0.98738	0.00060
12.15	0.99151	0.00059
12.20	0.99248	0.00060
12.25	0.99594	0.00062
12.30	0.99873	0.00060
12.35	1.00109	0.00057
12.40	1.00237	0.00062
12.45	1.00594	0.00062
12.50	1.00857	0.00061

36

10.80	0.93184	0.00062
10.85	0.93398	0.00060
10.90	0.93798	0.00062
10.95	0.94187	0.00062
11.00	0.94297	0.00062
11.05	0.94701	0.00059
11.10	0.95073	0.00061
11.15	0.95309	0.00062
11.20	0.95576	0.00061
11.25	0.95814	0.00063
11.30	0.96288	0.00061
11.35	0.96563	0.00063
11.40	0.96691	0.00062
11.45	0.97125	0.00064
11.50	0.97483	0.00063
11.55	0.97718	0.00062
11.60	0.98066	0.00060
11.65	0.98304	0.00066
11.70	0.98464	0.00063
11.75	0.98957	0.00062
11.80	0.99254	0.00063
11.85	0.99530	0.00062
11.90	0.99740	0.00060
11.95	1.00007	0.00063
12.00	1.00182	0.00064
12.05	1.00580	0.00061
12.10	1.00909	0.00064
12.15	1.01064	0.00061
12.20	1.01295	0.00061
12.30	1.01874	0.00062
12.40	1.02463	0.00061
12.50	1.02869	0.00061
12.60	1.03514	0.00062
12.70	1.03951	0.00061
12.80	1.04484	0.00063
12.90	1.04973	0.00062
13.00	1.05534	0.00064

40

10.40	0.92027	0.00063
10.45	0.92384	0.00058
10.50	0.92633	0.00062
10.55	0.93043	0.00065
10.60	0.93326	0.00065
10.65	0.93656	0.00061
10.70	0.94075	0.00063
10.75	0.94338	0.00062
10.80	0.94700	0.00063
10.85	0.94991	0.00064
10.90	0.95298	0.00063
10.95	0.95687	0.00061
11.00	0.96012	0.00063
11.05	0.96270	0.00064
11.10	0.96597	0.00063
11.15	0.96950	0.00062
11.20	0.97201	0.00064
11.25	0.97619	0.00062
11.30	0.97900	0.00065
11.35	0.98157	0.00062
11.40	0.98429	0.00063
11.45	0.98809	0.00062
11.50	0.98998	0.00064
11.55	0.99407	0.00062
11.60	0.99662	0.00061
11.65	0.99875	0.00063
11.70	1.00143	0.00063
11.75	1.00459	0.00061
11.80	1.00782	0.00062
11.85	1.01111	0.00062
11.90	1.01397	0.00065
11.95	1.01739	0.00064
12.00	1.01934	0.00064

45

10.00	0.90548	0.00067
10.05	0.91006	0.00063
10.10	0.91459	0.00064
10.15	0.91706	0.00065
10.20	0.92055	0.00065
10.25	0.92465	0.00063
10.30	0.92837	0.00065
10.35	0.93133	0.00066
10.40	0.93538	0.00064
10.45	0.93878	0.00064
10.50	0.94217	0.00064
10.55	0.94429	0.00065
10.60	0.94814	0.00065
10.65	0.95227	0.00066
10.70	0.95598	0.00065
10.75	0.95931	0.00065
10.80	0.96314	0.00064
10.85	0.96448	0.00064
10.90	0.96851	0.00064
10.95	0.97251	0.00065
11.00	0.97496	0.00065
11.05	0.97770	0.00065
11.10	0.98127	0.00063
11.15	0.98455	0.00063
11.20	0.98700	0.00065
11.25	0.99199	0.00064
11.30	0.99358	0.00065
11.35	0.99956	0.00063
11.40	1.00087	0.00063
11.45	1.00311	0.00063
11.50	1.00801	0.00065

50			75			100		
10.00	0.91844	0.00064	9.60	0.91860	0.00072	9.40	0.91260	0.00069
10.05	0.92313	0.00065	9.65	0.92407	0.00068	9.45	0.91744	0.00070
10.10	0.92482	0.00066	9.70	0.92559	0.00069	9.50	0.92230	0.00069
10.15	0.92912	0.00071	9.75	0.93053	0.00068	9.55	0.92500	0.00071
10.20	0.93333	0.00068	9.80	0.93505	0.00068	9.60	0.92951	0.00070
10.25	0.93631	0.00065	9.85	0.93992	0.00068	9.65	0.93241	0.00073
10.30	0.94091	0.00066	9.90	0.94086	0.00070	9.70	0.93709	0.00070
10.35	0.94394	0.00066	9.95	0.94649	0.00070	9.75	0.94036	0.00067
10.40	0.94844	0.00064	10.00	0.95011	0.00067	9.80	0.94500	0.00067
10.45	0.94935	0.00062	10.05	0.95407	0.00069	9.85	0.94832	0.00069
10.50	0.95496	0.00063	10.10	0.95716	0.00069	9.90	0.95236	0.00068
10.55	0.95838	0.00067	10.15	0.96007	0.00066	9.95	0.95649	0.00072
10.60	0.95989	0.00067	10.20	0.96542	0.00067	10.00	0.95888	0.00070
10.65	0.96458	0.00065	10.25	0.96798	0.00066	10.05	0.96446	0.00070
10.70	0.96573	0.00065	10.30	0.97221	0.00069	10.10	0.96834	0.00067
10.75	0.97212	0.00065	10.35	0.97610	0.00068	10.15	0.97089	0.00070
10.80	0.97448	0.00066	10.40	0.97882	0.00068	10.20	0.97485	0.00072
10.85	0.97785	0.00067	10.45	0.98184	0.00069	10.25	0.97823	0.00067
10.90	0.97994	0.00066	10.50	0.98588	0.00070	10.30	0.98156	0.00068
10.95	0.98281	0.00068	10.55	0.98869	0.00071	10.35	0.98580	0.00070
11.00	0.98750	0.00063	10.60	0.99362	0.00070	10.40	0.98914	0.00071
11.05	0.98955	0.00068	10.65	0.99653	0.00069	10.45	0.99232	0.00071
11.10	0.99349	0.00066	10.70	0.99880	0.00071	10.50	0.99617	0.00069
11.15	0.99696	0.00064	10.75	1.00326	0.00069	10.55	0.99936	0.00070
11.20	0.99988	0.00066	10.80	1.00770	0.00069	10.60	1.00200	0.00070
11.25	1.00341	0.00062	10.85	1.00913	0.00069	10.65	1.00513	0.00072
11.30	1.00684	0.00067	10.90	1.01298	0.00072	10.70	1.00945	0.00069
11.35	1.00996	0.00064	10.95	1.01502	0.00071	10.75	1.01259	0.00068
11.40	1.01269	0.00063	11.00	1.01797	0.00069	10.80	1.01736	0.00071
						10.85	1.01992	0.00073
						10.90	1.02257	0.00070
						10.95	1.02632	0.00067
						11.00	1.02935	0.00069

150			200			350		
9.50	0.92442	0.00072	9.50	0.92241	0.00069	9.60	0.92421	0.00069
9.55	0.92863	0.00069	9.55	0.92666	0.00069	9.65	0.92795	0.00070
9.60	0.93413	0.00072	9.60	0.93125	0.00070	9.70	0.93084	0.00068
9.65	0.93664	0.00070	9.65	0.93417	0.00070	9.75	0.93481	0.00070
9.70	0.94073	0.00071	9.70	0.93924	0.00070	9.80	0.93954	0.00068
9.75	0.94320	0.00069	9.75	0.94134	0.00071	9.85	0.94164	0.00070
9.80	0.94926	0.00070	9.80	0.94528	0.00067	9.90	0.94574	0.00069
9.85	0.95174	0.00069	9.85	0.94961	0.00070	9.95	0.94955	0.00071
9.90	0.95553	0.00069	9.90	0.95280	0.00069	10.00	0.95124	0.00069
9.95	0.95926	0.00072	9.95	0.95677	0.00069	10.05	0.95638	0.00069
10.00	0.96263	0.00070	10.00	0.96000	0.00070	10.10	0.95902	0.00070
10.05	0.96710	0.00070	10.05	0.96311	0.00070	10.15	0.96350	0.00070
10.10	0.97154	0.00071	10.10	0.96809	0.00070	10.20	0.96667	0.00068
10.15	0.97537	0.00072	10.15	0.97140	0.00070	10.25	0.96876	0.00072
10.20	0.97669	0.00071	10.20	0.97497	0.00072	10.30	0.97288	0.00069
10.25	0.98029	0.00068	10.25	0.97725	0.00069	10.35	0.97480	0.00069
10.30	0.98480	0.00069	10.30	0.98090	0.00069	10.40	0.97929	0.00067
10.35	0.98803	0.00069	10.35	0.98357	0.00070	10.45	0.98166	0.00069
10.40	0.99077	0.00069	10.40	0.98823	0.00069	10.50	0.98615	0.00069
10.45	0.99490	0.00067	10.45	0.98989	0.00070	10.55	0.98902	0.00070
10.50	0.99741	0.00073	10.50	0.99350	0.00070	10.60	0.99122	0.00067
10.55	1.00093	0.00070	10.55	0.99745	0.00070	10.65	0.99379	0.00072

10.60	1.00487	0.00070
10.65	1.00872	0.00067
10.70	1.01224	0.00070

10.60	1.00094	0.00068
10.65	1.00416	0.00070
10.70	1.00747	0.00070

10.70	0.99564	0.00069
10.75	1.00040	0.00068
10.80	1.00373	0.00072
10.85	1.00532	0.00069
10.90	1.00919	0.00069
10.95	1.01331	0.00069
11.00	1.01572	0.00070

500

9.60	0.92552	0.00067
9.65	0.92802	0.00070
9.70	0.93103	0.00069
9.75	0.93518	0.00069
9.80	0.93828	0.00067
9.85	0.94200	0.00069
9.90	0.94517	0.00068
9.95	0.94810	0.00070
10.00	0.95125	0.00070
10.05	0.95552	0.00071
10.10	0.96009	0.00066
10.15	0.96220	0.00068
10.20	0.96573	0.00069
10.25	0.96793	0.00067
10.30	0.97288	0.00068
10.35	0.97510	0.00066
10.40	0.97807	0.00071
10.45	0.98197	0.00064
10.50	0.98518	0.00068
10.55	0.98561	0.00070
10.60	0.99110	0.00067
10.65	0.99399	0.00069
10.70	0.99607	0.00070
10.75	1.00008	0.00069
10.80	1.00199	0.00067
10.85	1.00600	0.00067
10.90	1.00815	0.00068
10.95	1.01048	0.00068
11.00	1.01466	0.00069

750

9.40	0.92148	0.00067
9.45	0.92527	0.00067
9.50	0.92890	0.00065
9.55	0.93388	0.00068
9.60	0.93725	0.00068
9.65	0.94070	0.00067
9.70	0.94243	0.00067
9.75	0.94640	0.00071
9.80	0.95076	0.00070
9.85	0.95372	0.00068
9.90	0.95517	0.00066
9.95	0.96051	0.00069
10.00	0.96229	0.00069
10.05	0.96616	0.00066
10.10	0.96864	0.00068
10.15	0.97294	0.00068
10.20	0.97656	0.00069
10.25	0.97850	0.00066
10.30	0.98109	0.00067
10.35	0.98459	0.00070
10.40	0.98831	0.00070
10.45	0.99136	0.00067
10.50	0.99434	0.00068
10.55	0.99772	0.00066
10.60	1.00150	0.00067
10.65	1.00359	0.00065
10.70	1.00537	0.00069
10.75	1.01009	0.00067
10.80	1.01298	0.00068
10.85	1.01591	0.00068
10.90	1.01686	0.00067
10.95	1.02152	0.00069
11.00	1.02368	0.00069

1000

9.00	0.91262	0.00066
9.10	0.91891	0.00066
9.20	0.92613	0.00066
9.30	0.93382	0.00067
9.40	0.94188	0.00065
9.50	0.94881	0.00065
9.60	0.95342	0.00065
9.70	0.96129	0.00066
9.80	0.96794	0.00064
9.90	0.97473	0.00067
10.00	0.98083	0.00066
10.10	0.98617	0.00066
10.20	0.99484	0.00063
10.30	0.99949	0.00066
10.40	1.00664	0.00065
10.50	1.01229	0.00066
10.60	1.01865	0.00064
10.70	1.02371	0.00067
10.80	1.03053	0.00066
10.90	1.03659	0.00070
11.00	1.04107	0.00065

1500

8.50	0.91699	0.00066
8.55	0.92101	0.00066
8.60	0.92455	0.00066
8.65	0.92933	0.00065
8.70	0.93209	0.00065
8.75	0.93507	0.00065
8.80	0.94016	0.00063
8.85	0.94567	0.00064
8.90	0.94887	0.00065

2000

8.00	0.91894	0.00065
8.05	0.92469	0.00061
8.10	0.92885	0.00063
8.15	0.93350	0.00064
8.20	0.93797	0.00063
8.25	0.94138	0.00065
8.30	0.94416	0.00067
8.35	0.95109	0.00063
8.40	0.95418	0.00066

2500

7.50	0.91633	0.00062
7.55	0.92266	0.00061
7.60	0.92748	0.00062
7.65	0.93239	0.00062
7.70	0.93654	0.00061
7.75	0.94242	0.00061
7.80	0.94556	0.00062
7.85	0.95062	0.00063
7.90	0.95705	0.00066

8.95	0.95132	0.00065
9.00	0.95559	0.00064
9.05	0.95901	0.00061
9.10	0.96330	0.00065
9.15	0.96659	0.00065
9.20	0.96909	0.00064
9.25	0.97439	0.00066
9.30	0.97796	0.00065
9.35	0.98134	0.00063
9.40	0.98542	0.00066
9.45	0.98842	0.00067
9.50	0.99079	0.00063
9.55	0.99556	0.00065
9.60	0.99930	0.00070
9.65	1.00251	0.00065
9.70	1.00509	0.00065
9.75	1.01055	0.00068
9.80	1.01275	0.00064
9.85	1.01575	0.00065
9.90	1.01853	0.00065
9.95	1.02227	0.00067
10.00	1.02653	0.00065

8.45	0.95852	0.00066
8.50	0.96277	0.00063
8.55	0.96705	0.00064
8.60	0.97134	0.00064
8.65	0.97555	0.00063
8.70	0.97926	0.00064
8.75	0.98312	0.00066
8.80	0.98717	0.00064
8.85	0.99079	0.00067
8.90	0.99588	0.00063
8.95	0.99876	0.00064
9.00	1.00345	0.00064
9.05	1.00679	0.00063
9.10	1.01053	0.00065

7.95	0.96071	0.00061
8.00	0.96540	0.00063
8.05	0.97063	0.00065
8.10	0.97453	0.00065
8.15	0.98021	0.00064
8.20	0.98321	0.00061
8.25	0.98708	0.00062
8.30	0.99305	0.00063
8.35	0.99622	0.00064
8.40	1.00007	0.00064
8.45	1.00518	0.00065
8.50	1.00883	0.00064

3000

7.00	0.90846	0.00061
7.05	0.91501	0.00061
7.10	0.91920	0.00061
7.15	0.92545	0.00061
7.20	0.93023	0.00060
7.25	0.93607	0.00060
7.30	0.93977	0.00066
7.35	0.94596	0.00062
7.40	0.95064	0.00061
7.45	0.95622	0.00059
7.50	0.96113	0.00063
7.55	0.96717	0.00060
7.60	0.97053	0.00064
7.65	0.97623	0.00061
7.70	0.98051	0.00063
7.75	0.98576	0.00061
7.80	0.99133	0.00061
7.85	0.99598	0.00061
7.90	0.99984	0.00063
7.95	1.00336	0.00062
8.00	1.00895	0.00063

4000

6.40	0.91917	0.00059
6.42	0.92086	0.00062
6.44	0.92463	0.00061
6.46	0.92664	0.00061
6.48	0.92927	0.00061
6.50	0.93019	0.00058
6.52	0.93438	0.00059
6.54	0.93629	0.00061
6.56	0.93850	0.00060
6.58	0.94114	0.00059
6.60	0.94422	0.00061
6.62	0.94637	0.00060
6.64	0.94855	0.00060
6.66	0.95047	0.00058
6.68	0.95360	0.00059
6.70	0.95527	0.00063
6.72	0.95750	0.00061
6.74	0.96030	0.00060
6.76	0.96204	0.00060
6.78	0.96466	0.00060
6.80	0.96628	0.00062
6.82	0.96940	0.00058
6.84	0.97115	0.00060
6.86	0.97380	0.00061
6.88	0.97540	0.00060
6.90	0.97824	0.00059
6.92	0.98079	0.00061
6.94	0.98434	0.00060
6.96	0.98588	0.00061
6.98	0.98797	0.00061
7.00	0.98975	0.00059
7.02	0.99252	0.00061
7.04	0.99437	0.00061
7.06	0.99707	0.00062

5000

5.90	0.92512	0.00056
5.92	0.92792	0.00059
5.94	0.93061	0.00058
5.96	0.93351	0.00059
5.98	0.93629	0.00060
6.00	0.93978	0.00058
6.02	0.94202	0.00059
6.04	0.94379	0.00060
6.06	0.94678	0.00057
6.08	0.94982	0.00057
6.10	0.95190	0.00058
6.12	0.95535	0.00057
6.14	0.95843	0.00059
6.16	0.96129	0.00059
6.18	0.96282	0.00059
6.20	0.96519	0.00059
6.22	0.96891	0.00056
6.24	0.97094	0.00057
6.26	0.97246	0.00061
6.28	0.97575	0.00060
6.30	0.97929	0.00058
6.32	0.98191	0.00058
6.34	0.98409	0.00059
6.36	0.98608	0.00059
6.38	0.98898	0.00060
6.40	0.99188	0.00061
6.42	0.99396	0.00061
6.44	0.99669	0.00059
6.46	0.99783	0.00061
6.48	1.00257	0.00061
6.50	1.00472	0.00061
6.52	1.00631	0.00058
6.54	1.00951	0.00060
6.56	1.01177	0.00059

			7.08	0.99912	0.00062	6.58	1.01428	0.00059
			7.10	1.00147	0.00064	6.60	1.01602	0.00061
			7.12	1.00354	0.00060			
			7.14	1.00470	0.00060			
			7.16	1.00721	0.00059			
			7.18	1.00901	0.00063			
			7.20	1.01198	0.00064			

6000			7000			7500		
5.40	0.91875	0.00054	5.00	0.91283	0.00055	4.80	0.90800	0.00053
5.42	0.91962	0.00055	5.02	0.91681	0.00057	4.82	0.91114	0.00051
5.44	0.92374	0.00055	5.04	0.92062	0.00053	4.84	0.91498	0.00051
5.46	0.92751	0.00056	5.06	0.92307	0.00053	4.86	0.91770	0.00054
5.48	0.93079	0.00057	5.08	0.92622	0.00054	4.88	0.92116	0.00053
5.50	0.93205	0.00057	5.10	0.92991	0.00053	4.90	0.92548	0.00054
5.52	0.93642	0.00059	5.12	0.93358	0.00053	4.92	0.92739	0.00053
5.54	0.93919	0.00057	5.14	0.93617	0.00053	4.94	0.93250	0.00053
5.56	0.94183	0.00058	5.16	0.94005	0.00056	4.96	0.93541	0.00053
5.58	0.94554	0.00058	5.18	0.94355	0.00056	4.98	0.93892	0.00054
5.60	0.94748	0.00058	5.20	0.94671	0.00052	5.00	0.94199	0.00054
5.62	0.95000	0.00054	5.22	0.95048	0.00056	5.02	0.94577	0.00054
5.64	0.95357	0.00056	5.24	0.95366	0.00055	5.04	0.94853	0.00055
5.66	0.95582	0.00057	5.26	0.95593	0.00055	5.06	0.95169	0.00054
5.68	0.96027	0.00055	5.28	0.95902	0.00055	5.08	0.95506	0.00056
5.70	0.96247	0.00058	5.30	0.96237	0.00055	5.10	0.95766	0.00052
5.72	0.96556	0.00057	5.32	0.96566	0.00054	5.12	0.96233	0.00056
5.74	0.96737	0.00056	5.34	0.96789	0.00056	5.14	0.96427	0.00055
5.76	0.97145	0.00058	5.36	0.97002	0.00054	5.16	0.96875	0.00054
5.78	0.97416	0.00056	5.38	0.97481	0.00055	5.18	0.97094	0.00054
5.80	0.97713	0.00057	5.40	0.97749	0.00054	5.20	0.97456	0.00056
5.82	0.97959	0.00057	5.42	0.98146	0.00057	5.22	0.97753	0.00055
5.84	0.98312	0.00059	5.44	0.98359	0.00058	5.24	0.98109	0.00054
5.86	0.98522	0.00056	5.46	0.98779	0.00057	5.26	0.98462	0.00055
5.88	0.98930	0.00058	5.48	0.99021	0.00055	5.28	0.98749	0.00055
5.90	0.99102	0.00058	5.50	0.99420	0.00057	5.30	0.99089	0.00054
5.92	0.99396	0.00056	5.52	0.99611	0.00057	5.32	0.99491	0.00053
5.94	0.99653	0.00059	5.54	1.00000	0.00055	5.34	0.99713	0.00058
5.96	0.99935	0.00057	5.56	1.00205	0.00058	5.36	1.00052	0.00056
5.98	1.00252	0.00059	5.58	1.00525	0.00056	5.38	1.00385	0.00058
6.00	1.00540	0.00059	5.60	1.00949	0.00056	5.40	1.00690	0.00055
6.02	1.00795	0.00056	5.62	1.01228	0.00055	5.42	1.01050	0.00057
6.04	1.01153	0.00057	5.64	1.01458	0.00055	5.44	1.01345	0.00055
6.06	1.01402	0.00058	5.66	1.01924	0.00058	5.46	1.01576	0.00058
6.08	1.01568	0.00058	5.68	1.02058	0.00057	5.48	1.01976	0.00056
6.10	1.01911	0.00059	5.70	1.02455	0.00056	5.50	1.02212	0.00058

8000			9000			10000		
4.70	0.91778	0.00051	4.40	0.91463	0.00049	4.10	0.90611	0.00047
4.72	0.92148	0.00053	4.42	0.91825	0.00050	4.12	0.91058	0.00047
4.74	0.92487	0.00053	4.44	0.92292	0.00051	4.14	0.91458	0.00047
4.76	0.92824	0.00052	4.46	0.92560	0.00052	4.16	0.91809	0.00049
4.78	0.93158	0.00054	4.48	0.92943	0.00050	4.18	0.92153	0.00049
4.80	0.93478	0.00052	4.50	0.93297	0.00051	4.20	0.92621	0.00047

4.82	0.93888	0.00054
4.84	0.94188	0.00052
4.86	0.94529	0.00054
4.88	0.94877	0.00054
4.90	0.95287	0.00051
4.92	0.95592	0.00054
4.94	0.95998	0.00053
4.96	0.96256	0.00052
4.98	0.96569	0.00055
5.00	0.96985	0.00053
5.02	0.97255	0.00054
5.04	0.97603	0.00052
5.06	0.97894	0.00053
5.08	0.98356	0.00055
5.10	0.98683	0.00055
5.12	0.99058	0.00053
5.14	0.99353	0.00055
5.16	0.99502	0.00052
5.18	0.99892	0.00054
5.20	1.00385	0.00057
5.22	1.00651	0.00054
5.24	1.01059	0.00055
5.26	1.01244	0.00054
5.28	1.01583	0.00055
5.30	1.02030	0.00054

4.52	0.93699	0.00050
4.54	0.94125	0.00051
4.56	0.94334	0.00051
4.58	0.94792	0.00049
4.60	0.95178	0.00051
4.62	0.95457	0.00048
4.64	0.95931	0.00050
4.66	0.96195	0.00053
4.68	0.96652	0.00050
4.70	0.97091	0.00052
4.72	0.97365	0.00054
4.74	0.97653	0.00054
4.76	0.98188	0.00053
4.78	0.98547	0.00052
4.80	0.98795	0.00052
4.82	0.99123	0.00054
4.84	0.99557	0.00054
4.86	0.99908	0.00052
4.88	1.00211	0.00054
4.90	1.00560	0.00054
4.92	1.00879	0.00054
4.94	1.01256	0.00054
4.96	1.01660	0.00051
4.98	1.01929	0.00052
5.00	1.02434	0.00053

4.22	0.92976	0.00048
4.24	0.93428	0.00048
4.26	0.93781	0.00049
4.28	0.94077	0.00048
4.30	0.94602	0.00050
4.32	0.94815	0.00047
4.34	0.95312	0.00050
4.36	0.95659	0.00050
4.38	0.96195	0.00049
4.40	0.96526	0.00049
4.42	0.96831	0.00049
4.44	0.97287	0.00050
4.46	0.97692	0.00052
4.48	0.98016	0.00052
4.50	0.98473	0.00049
4.52	0.98756	0.00049
4.54	0.99129	0.00050
4.56	0.99433	0.00051
4.58	0.99895	0.00053
4.60	1.00354	0.00051
4.62	1.00641	0.00050
4.64	1.01070	0.00051
4.66	1.01352	0.00052
4.68	1.01820	0.00050
4.70	1.02134	0.00052

15000

3.10	0.90412	0.00042
3.12	0.90957	0.00041
3.14	0.91359	0.00042
3.16	0.91933	0.00043
3.18	0.92462	0.00043
3.20	0.92964	0.00041
3.22	0.93378	0.00044
3.24	0.94008	0.00044
3.26	0.94466	0.00045
3.28	0.94749	0.00043
3.30	0.95393	0.00044
3.32	0.95917	0.00045
3.34	0.96350	0.00043
3.36	0.96826	0.00043
3.38	0.97334	0.00044
3.40	0.97758	0.00045
3.42	0.98351	0.00045
3.44	0.98790	0.00045
3.46	0.99182	0.00047
3.48	0.99715	0.00045
3.50	1.00225	0.00046
3.52	1.00695	0.00044
3.54	1.01159	0.00046
3.56	1.01512	0.00047
3.58	1.02124	0.00046
3.60	1.02553	0.00048

19600

2.50	0.91740	0.00041
2.52	0.92361	0.00042
2.54	0.92873	0.00042
2.56	0.93553	0.00042
2.58	0.94069	0.00042
2.60	0.94697	0.00042
2.62	0.95409	0.00044
2.64	0.95906	0.00043
2.66	0.96558	0.00042
2.68	0.97120	0.00045
2.70	0.97684	0.00044
2.72	0.98252	0.00044
2.74	0.98781	0.00045
2.76	0.99447	0.00044
2.78	1.00042	0.00045
2.80	1.00675	0.00046
2.82	1.01159	0.00045
2.84	1.01748	0.00044
2.86	1.02337	0.00044
2.88	1.02878	0.00046
2.90	1.03466	0.00043

sumtable.pu-icyl-0900-01

10			13			15		
20.00	0.89864	0.00035	15.00	0.90769	0.00043	13.00	0.89777	0.00045
22.50	0.92835	0.00033	15.25	0.91390	0.00040	13.25	0.90643	0.00045
23.00	0.93355	0.00031	15.50	0.92106	0.00042	13.50	0.91452	0.00043
23.50	0.93713	0.00032	15.75	0.92609	0.00039	13.75	0.92127	0.00044
24.00	0.94298	0.00032	16.00	0.93140	0.00041	14.00	0.92906	0.00045
24.50	0.94762	0.00030	16.25	0.93673	0.00042	14.25	0.93704	0.00044
25.00	0.95051	0.00030	16.50	0.94238	0.00041	14.50	0.94509	0.00044
25.50	0.95480	0.00031	16.75	0.94780	0.00043	14.75	0.95167	0.00043
26.00	0.95815	0.00031	17.00	0.95296	0.00041	15.00	0.95717	0.00043
26.50	0.96292	0.00031	17.25	0.95847	0.00040	15.25	0.96563	0.00044
27.00	0.96571	0.00031	17.50	0.96312	0.00040	15.50	0.97163	0.00043
27.50	0.96921	0.00030	17.75	0.96694	0.00040	15.75	0.97703	0.00043
28.00	0.97235	0.00031	18.00	0.97113	0.00039	16.00	0.98185	0.00042
28.50	0.97413	0.00031	18.25	0.97681	0.00039	16.25	0.98775	0.00044
29.00	0.97794	0.00030	18.50	0.97963	0.00039	16.50	0.99453	0.00043
29.50	0.98150	0.00030	18.75	0.98405	0.00040	16.75	1.00026	0.00043
30.00	0.98340	0.00031	19.00	0.98798	0.00038	17.00	1.00445	0.00043
30.50	0.98614	0.00029	19.25	0.99240	0.00038	17.25	1.00909	0.00043
31.00	0.98773	0.00028	19.50	0.99731	0.00039	17.50	1.01455	0.00042
31.50	0.99065	0.00030	19.75	0.99987	0.00038	17.75	1.01887	0.00041
32.00	0.99302	0.00029	20.00	1.00444	0.00038	18.00	1.02450	0.00040
32.50	0.99624	0.00028	20.25	1.00791	0.00039	18.25	1.02880	0.00042
33.00	0.99745	0.00028	20.50	1.01045	0.00037	18.50	1.03395	0.00041
33.50	0.99923	0.00028	20.75	1.01430	0.00037	18.75	1.03789	0.00042
34.00	1.00141	0.00029	21.00	1.01806	0.00036	19.00	1.04186	0.00042
34.50	1.00281	0.00028	21.25	1.02082	0.00038	19.25	1.04608	0.00041
35.00	1.00528	0.00028	21.50	1.02370	0.00037	19.50	1.05066	0.00043
37.50	1.01434	0.00028	21.75	1.02642	0.00037	19.75	1.05292	0.00039
40.00	1.02008	0.00026	22.00	1.02911	0.00037	20.00	1.05776	0.00041
42.50	1.02588	0.00026						
45.00	1.03162	0.00024						
47.50	1.03570	0.00024						
50.00	1.03947	0.00024						
52.50	1.04280	0.00022						
55.00	1.04588	0.00022						
57.50	1.04862	0.00023						
60.00	1.05044	0.00022						

18			20			22		
12.00	0.91714	0.00050	11.00	0.90151	0.00052	11.00	0.92623	0.00052
12.20	0.92484	0.00049	11.25	0.91451	0.00052	11.20	0.93546	0.00054
12.40	0.93239	0.00051	11.50	0.92441	0.00052	11.40	0.94570	0.00052
12.60	0.93945	0.00049	11.75	0.93557	0.00052	11.60	0.95424	0.00053
12.80	0.94732	0.00048	12.00	0.94658	0.00050	11.80	0.96358	0.00051
13.00	0.95544	0.00047	12.25	0.95633	0.00050	12.00	0.97184	0.00052
13.20	0.96184	0.00049	12.50	0.96612	0.00051	12.20	0.98079	0.00052
13.40	0.96769	0.00048	12.75	0.97560	0.00051	12.40	0.98856	0.00053
13.60	0.97548	0.00048	13.00	0.98486	0.00050	12.60	0.99636	0.00051
13.80	0.98131	0.00049	13.25	0.99451	0.00050	12.80	1.00491	0.00052
14.00	0.98869	0.00047	13.50	1.00314	0.00048	13.00	1.01143	0.00053
14.20	0.99397	0.00047	13.75	1.01159	0.00048	13.20	1.01852	0.00052
14.40	1.00005	0.00046	14.00	1.01983	0.00048	13.40	1.02470	0.00052
14.60	1.00625	0.00049	14.25	1.02800	0.00048	13.60	1.03257	0.00051
14.80	1.01289	0.00048	14.50	1.03513	0.00049	13.80	1.03992	0.00052
15.00	1.01728	0.00047	14.75	1.04165	0.00050	14.00	1.04666	0.00050

15.20	1.02208	0.00047
15.40	1.02813	0.00048
15.60	1.03277	0.00045
15.80	1.03838	0.00045
16.00	1.04307	0.00048

15.00	1.04948	0.00049
15.25	1.05583	0.00047
15.50	1.06292	0.00048
15.75	1.06961	0.00050
16.00	1.07500	0.00047

14.20	1.05314	0.00051
14.40	1.05901	0.00051
14.60	1.06434	0.00049
14.80	1.07133	0.00052
15.00	1.07648	0.00048

24		
10.00	0.89524	0.00056
10.20	0.90618	0.00055
10.40	0.91764	0.00056
10.60	0.92850	0.00054
10.80	0.93900	0.00052
11.00	0.94808	0.00054
11.20	0.95845	0.00053
11.40	0.96756	0.00054
11.60	0.97699	0.00053
11.80	0.98548	0.00053
12.00	0.99430	0.00052
12.20	1.00267	0.00054
12.40	1.01159	0.00054
12.60	1.01882	0.00055
12.80	1.02639	0.00052
13.00	1.03430	0.00055
13.20	1.04050	0.00052
13.40	1.04892	0.00052
13.60	1.05563	0.00051
13.80	1.06155	0.00053
14.00	1.07016	0.00054

25		
10.00	0.90535	0.00056
10.20	0.91633	0.00055
10.40	0.92733	0.00055
10.60	0.93678	0.00054
10.80	0.94841	0.00055
11.00	0.95822	0.00054
11.20	0.96765	0.00056
11.40	0.97655	0.00053
11.60	0.98719	0.00052
11.80	0.99531	0.00053
12.00	1.00394	0.00053
12.20	1.01300	0.00055
12.40	1.02004	0.00053
12.60	1.02797	0.00054
12.80	1.03658	0.00056
13.00	1.04466	0.00052
13.20	1.05117	0.00052
13.40	1.05837	0.00054
13.60	1.06492	0.00054
13.80	1.07342	0.00053
14.00	1.08014	0.00054

26		
10.00	0.91403	0.00055
10.20	0.92414	0.00057
10.40	0.93681	0.00056
10.60	0.94686	0.00053
10.80	0.95658	0.00056
11.00	0.96652	0.00056
11.20	0.97721	0.00055
11.40	0.98549	0.00057
11.60	0.99606	0.00055
11.80	1.00485	0.00054
12.00	1.01435	0.00057
12.20	1.02305	0.00055
12.40	1.03079	0.00054
12.60	1.03846	0.00056
12.80	1.04567	0.00050
13.00	1.05386	0.00053
13.20	1.06221	0.00055
13.40	1.06825	0.00056
13.60	1.07569	0.00055
13.80	1.08259	0.00056
14.00	1.08878	0.00054

28		
9.90	0.92415	0.00056
9.95	0.92699	0.00054
10.00	0.92900	0.00054
10.05	0.93182	0.00056
10.10	0.93530	0.00058
10.15	0.93729	0.00056
10.20	0.94124	0.00055
10.25	0.94395	0.00057
10.30	0.94633	0.00056
10.35	0.95028	0.00056
10.40	0.95248	0.00057
10.45	0.95593	0.00057
10.50	0.95720	0.00057
10.55	0.95995	0.00056
10.60	0.96280	0.00056
10.65	0.96603	0.00059
10.70	0.96721	0.00056
10.75	0.97034	0.00056
10.80	0.97299	0.00056
10.85	0.97597	0.00056
10.90	0.97802	0.00055
10.95	0.97996	0.00056
11.00	0.98325	0.00056

30		
9.60	0.91984	0.00059
9.80	0.93273	0.00057
10.00	0.94325	0.00058
10.20	0.95413	0.00058
10.40	0.96689	0.00057
10.60	0.97701	0.00058
10.80	0.98687	0.00058
11.00	0.99683	0.00059
11.20	1.00708	0.00058
11.40	1.01864	0.00058
11.60	1.02586	0.00058
11.80	1.03678	0.00056
12.00	1.04477	0.00057
12.20	1.05293	0.00057
12.40	1.06175	0.00054
12.60	1.07052	0.00056
12.80	1.07774	0.00057
13.00	1.08696	0.00056

32		
9.00	0.89325	0.00058
9.20	0.90615	0.00056
9.40	0.91860	0.00059
9.60	0.93185	0.00058
9.80	0.94393	0.00061
10.00	0.95520	0.00059
10.20	0.96795	0.00060
10.40	0.97810	0.00059
10.60	0.98975	0.00057
10.80	1.00027	0.00059
11.00	1.01099	0.00058
11.20	1.02094	0.00059
11.40	1.03022	0.00060
11.60	1.03997	0.00055
11.80	1.04846	0.00057
12.00	1.05844	0.00057
12.20	1.06663	0.00056
12.40	1.07509	0.00058
12.60	1.08327	0.00059
12.80	1.09125	0.00056
13.00	1.09885	0.00057

11.05	0.98703	0.00055
11.10	0.98760	0.00057
11.15	0.99113	0.00056
11.20	0.99187	0.00058
11.25	0.99627	0.00055
11.30	0.99719	0.00056
11.35	1.00122	0.00057
11.40	1.00259	0.00055
11.45	1.00507	0.00055
11.50	1.00830	0.00055

36			40			45		
9.00	0.91200	0.00060	8.90	0.92118	0.00060	8.70	0.92360	0.00063
9.10	0.91985	0.00058	9.10	0.93503	0.00061	8.75	0.92645	0.00061
9.20	0.92588	0.00060	9.30	0.94857	0.00061	8.80	0.93097	0.00063
9.30	0.93300	0.00063	9.50	0.96259	0.00059	8.85	0.93464	0.00060
9.40	0.93853	0.00060	9.70	0.97533	0.00060	8.90	0.93815	0.00060
9.50	0.94507	0.00060	9.90	0.98628	0.00060	8.95	0.94072	0.00061
9.60	0.95170	0.00062	10.10	0.99923	0.00059	9.00	0.94523	0.00062
9.70	0.95849	0.00057	10.30	1.01060	0.00061	9.05	0.94869	0.00060
9.80	0.96454	0.00060	10.50	1.02143	0.00062	9.10	0.95102	0.00063
9.90	0.97066	0.00058	10.70	1.03269	0.00060	9.15	0.95493	0.00062
10.00	0.97641	0.00059	10.90	1.04131	0.00062	9.20	0.95776	0.00061
10.10	0.98262	0.00060	11.10	1.05273	0.00060	9.25	0.96140	0.00061
10.20	0.98759	0.00058	11.30	1.06380	0.00061	9.30	0.96407	0.00062
10.30	0.99418	0.00059	11.50	1.07389	0.00060	9.35	0.96768	0.00062
10.40	0.99847	0.00060	11.70	1.08305	0.00061	9.40	0.97135	0.00063
10.50	1.00666	0.00058	11.90	1.09195	0.00060	9.45	0.97450	0.00063
10.60	1.00994	0.00058	12.00	1.09623	0.00060	9.50	0.97819	0.00062
10.70	1.01606	0.00059				9.55	0.98080	0.00061
10.80	1.02032	0.00059				9.60	0.98417	0.00059
10.90	1.02624	0.00059				9.65	0.98678	0.00061
11.00	1.03211	0.00061				9.70	0.99125	0.00062
						9.75	0.99443	0.00065
						9.80	0.99629	0.00064
						9.85	1.00059	0.00061
						9.90	1.00274	0.00064
						9.95	1.00492	0.00062
						10.00	1.00855	0.00061

50			75			100		
8.50	0.92159	0.00062	8.00	0.91549	0.00065	7.90	0.91965	0.00067
8.55	0.92423	0.00062	8.05	0.91958	0.00066	7.95	0.92347	0.00066
8.60	0.92804	0.00061	8.10	0.92305	0.00067	8.00	0.92701	0.00068
8.65	0.93138	0.00061	8.15	0.92807	0.00067	8.05	0.93141	0.00067
8.70	0.93534	0.00063	8.20	0.93185	0.00065	8.10	0.93529	0.00067
8.75	0.93889	0.00062	8.25	0.93600	0.00066	8.15	0.93995	0.00066
8.80	0.94411	0.00064	8.30	0.93932	0.00066	8.20	0.94262	0.00070
8.85	0.94650	0.00062	8.35	0.94234	0.00064	8.25	0.94626	0.00067
8.90	0.94892	0.00064	8.40	0.94714	0.00065	8.30	0.95041	0.00068
8.95	0.95319	0.00064	8.45	0.95052	0.00065	8.35	0.95424	0.00069
9.00	0.95668	0.00064	8.50	0.95362	0.00065	8.40	0.95756	0.00065
9.05	0.96109	0.00064	8.55	0.95697	0.00067	8.45	0.96054	0.00066

9.10	0.96472	0.00065	8.60	0.96121	0.00066	8.50	0.96540	0.00069
9.15	0.96766	0.00063	8.65	0.96417	0.00067	8.55	0.96926	0.00071
9.20	0.97192	0.00063	8.70	0.96852	0.00066	8.60	0.97323	0.00066
9.25	0.97486	0.00063	8.75	0.97359	0.00067	8.65	0.97588	0.00068
9.30	0.97759	0.00062	8.80	0.97644	0.00067	8.70	0.97928	0.00066
9.35	0.98003	0.00063	8.85	0.97985	0.00068	8.75	0.98259	0.00065
9.40	0.98378	0.00063	8.90	0.98275	0.00065	8.80	0.98631	0.00069
9.45	0.98750	0.00063	8.95	0.98645	0.00068	8.85	0.99012	0.00067
9.50	0.99018	0.00063	9.00	0.99115	0.00065	8.90	0.99347	0.00068
9.55	0.99358	0.00063	9.05	0.99419	0.00065	8.95	0.99841	0.00068
9.60	0.99743	0.00063	9.10	0.99566	0.00066	9.00	1.00087	0.00067
9.65	0.99938	0.00063	9.15	1.00018	0.00066	9.05	1.00417	0.00066
9.70	1.00378	0.00063	9.20	1.00365	0.00063	9.10	1.00859	0.00068
9.75	1.00664	0.00065	9.25	1.00866	0.00064			
9.80	1.00982	0.00064	9.30	1.01111	0.00068			
9.85	1.01149	0.00061						
9.90	1.01416	0.00062						
9.95	1.01897	0.00062						
10.00	1.02133	0.00064						

150			200			350		
7.90	0.92376	0.00067	7.90	0.92235	0.00068	8.00	0.92418	0.00067
7.95	0.92713	0.00070	7.95	0.92734	0.00067	8.05	0.92937	0.00067
8.00	0.93191	0.00067	8.00	0.93247	0.00067	8.10	0.93138	0.00068
8.05	0.93600	0.00066	8.05	0.93414	0.00070	8.15	0.93507	0.00066
8.10	0.93982	0.00067	8.10	0.93934	0.00068	8.20	0.93837	0.00068
8.15	0.94401	0.00069	8.15	0.94187	0.00066	8.25	0.94216	0.00070
8.20	0.94792	0.00067	8.20	0.94592	0.00069	8.30	0.94640	0.00067
8.25	0.95139	0.00068	8.25	0.95007	0.00067	8.35	0.94880	0.00068
8.30	0.95563	0.00068	8.30	0.95248	0.00070	8.40	0.95296	0.00065
8.35	0.95873	0.00069	8.35	0.95603	0.00068	8.45	0.95460	0.00069
8.40	0.96297	0.00067	8.40	0.96059	0.00070	8.50	0.96115	0.00071
8.45	0.96635	0.00065	8.45	0.96421	0.00070	8.55	0.96223	0.00068
8.50	0.96997	0.00066	8.50	0.96677	0.00065	8.60	0.96670	0.00067
8.55	0.97377	0.00071	8.55	0.97026	0.00068	8.65	0.96985	0.00068
8.60	0.97707	0.00068	8.60	0.97481	0.00066	8.70	0.97267	0.00067
8.65	0.97936	0.00071	8.65	0.97705	0.00069	8.75	0.97560	0.00070
8.70	0.98383	0.00069	8.70	0.98110	0.00071	8.80	0.97964	0.00067
8.75	0.98831	0.00067	8.75	0.98453	0.00066	8.85	0.98162	0.00071
8.80	0.99167	0.00069	8.80	0.98731	0.00067	8.90	0.98625	0.00067
8.85	0.99515	0.00068	8.85	0.99189	0.00068	8.95	0.98851	0.00069
8.90	0.99829	0.00067	8.90	0.99592	0.00070	9.00	0.99193	0.00070
8.95	1.00075	0.00069	8.95	0.99711	0.00072	9.05	0.99488	0.00067
9.00	1.00398	0.00068	9.00	1.00163	0.00064	9.10	0.99796	0.00068
			9.05	1.00392	0.00070	9.15	1.00157	0.00070
			9.10	1.00746	0.00067	9.20	1.00428	0.00070
			9.15	1.01115	0.00068	9.25	1.00759	0.00067
			9.20	1.01333	0.00069	9.30	1.01047	0.00069

500			750			1000		
8.00	0.92480	0.00067	7.90	0.92744	0.00068	7.60	0.92020	0.00065
8.10	0.93290	0.00070	7.95	0.93045	0.00065	7.65	0.92532	0.00066
8.20	0.93851	0.00068	8.00	0.93367	0.00068	7.70	0.92738	0.00064
8.30	0.94613	0.00067	8.05	0.93786	0.00066	7.75	0.93204	0.00066
8.40	0.95282	0.00068	8.10	0.94144	0.00064	7.80	0.93486	0.00063
8.50	0.95880	0.00070	8.15	0.94384	0.00065	7.85	0.93925	0.00066
8.60	0.96457	0.00066	8.20	0.94629	0.00068	7.90	0.94265	0.00067
8.70	0.97090	0.00070	8.25	0.95043	0.00065	7.95	0.94599	0.00067
8.80	0.97855	0.00069	8.30	0.95422	0.00068	8.00	0.94956	0.00064
8.90	0.98464	0.00068	8.35	0.95741	0.00065	8.05	0.95251	0.00063
9.00	0.98946	0.00065	8.40	0.96069	0.00066	8.10	0.95644	0.00064
9.10	0.99675	0.00066	8.45	0.96544	0.00070	8.15	0.96080	0.00068
9.20	1.00363	0.00070	8.50	0.96734	0.00069	8.20	0.96304	0.00067
9.30	1.00884	0.00069	8.55	0.97153	0.00068	8.25	0.96643	0.00066
9.40	1.01362	0.00068	8.60	0.97267	0.00068	8.30	0.97021	0.00067
9.50	1.01989	0.00068	8.65	0.97758	0.00064	8.35	0.97319	0.00065
9.60	1.02674	0.00067	8.70	0.98042	0.00067	8.40	0.97645	0.00066
9.70	1.02979	0.00067	8.75	0.98498	0.00069	8.45	0.97988	0.00065
9.80	1.03637	0.00068	8.80	0.98659	0.00067	8.50	0.98313	0.00067
9.90	1.04175	0.00069	8.85	0.98963	0.00068	8.55	0.98486	0.00070
10.00	1.04708	0.00069	8.90	0.99376	0.00065	8.60	0.98926	0.00068
10.10	1.05190	0.00068	8.95	0.99527	0.00067	8.65	0.99392	0.00066
10.20	1.05677	0.00069	9.00	0.99847	0.00068	8.70	0.99715	0.00065
10.30	1.06317	0.00066	9.05	1.00211	0.00067	8.75	0.99951	0.00061
10.40	1.06714	0.00069	9.10	1.00428	0.00069	8.80	1.00266	0.00067
10.50	1.07240	0.00069	9.15	1.00737	0.00069	8.85	1.00523	0.00067
10.60	1.07715	0.00066	9.20	1.00999	0.00064	8.90	1.00881	0.00065
10.70	1.08166	0.00070				8.95	1.01138	0.00067
10.80	1.08663	0.00065				9.00	1.01461	0.00068
10.90	1.09063	0.00066						
11.00	1.09536	0.00067						

1500			2000			2500		
7.00	0.91228	0.00067	6.60	0.91727	0.00064	6.00	0.89858	0.00062
7.05	0.91640	0.00065	6.65	0.92074	0.00063	6.05	0.90456	0.00061
7.10	0.91993	0.00067	6.70	0.92712	0.00063	6.10	0.91117	0.00063
7.15	0.92453	0.00064	6.75	0.93165	0.00063	6.15	0.91503	0.00063
7.20	0.92879	0.00064	6.80	0.93489	0.00064	6.20	0.91965	0.00062
7.25	0.93306	0.00063	6.85	0.93945	0.00066	6.25	0.92439	0.00066
7.30	0.93550	0.00067	6.90	0.94357	0.00063	6.30	0.93013	0.00065
7.35	0.93997	0.00063	6.95	0.94856	0.00064	6.35	0.93357	0.00063
7.40	0.94497	0.00065	7.00	0.95326	0.00062	6.40	0.93935	0.00064
7.45	0.94684	0.00067	7.05	0.95879	0.00066	6.45	0.94408	0.00063
7.50	0.95187	0.00065	7.10	0.96174	0.00064	6.50	0.94773	0.00061
7.55	0.95591	0.00066	7.15	0.96640	0.00065	6.55	0.95290	0.00062
7.60	0.96030	0.00064	7.20	0.97022	0.00062	6.60	0.95816	0.00062
7.65	0.96262	0.00065	7.25	0.97396	0.00063	6.65	0.96356	0.00063
7.70	0.96701	0.00065	7.30	0.97766	0.00064	6.70	0.96807	0.00066
7.75	0.97030	0.00065	7.35	0.98273	0.00065	6.75	0.97275	0.00065
7.80	0.97576	0.00063	7.40	0.98592	0.00065	6.80	0.97534	0.00062
7.85	0.97815	0.00065	7.45	0.99109	0.00065	6.85	0.98191	0.00065
7.90	0.98148	0.00062	7.50	0.99432	0.00064	6.90	0.98588	0.00066
7.95	0.98515	0.00065	7.55	0.99803	0.00063	6.95	0.99012	0.00063
8.00	0.98909	0.00065	7.60	1.00327	0.00064	7.00	0.99427	0.00065
8.05	0.99241	0.00066	7.65	1.00577	0.00064	7.05	0.99800	0.00063
8.10	0.99557	0.00066	7.70	1.00887	0.00064	7.10	1.00420	0.00062
8.15	0.99935	0.00064				7.15	1.00814	0.00066
8.20	1.00334	0.00066				7.20	1.01217	0.00064
8.25	1.00690	0.00069						
8.30	1.00929	0.00066						

3000			4000			5000		
5.80	0.91607	0.00062	5.20	0.91496	0.00062	4.80	0.92347	0.00061
5.85	0.92032	0.00060	5.22	0.91720	0.00064	4.82	0.92748	0.00061
5.90	0.92633	0.00064	5.24	0.92074	0.00063	4.84	0.92969	0.00063
5.95	0.93379	0.00063	5.26	0.92346	0.00062	4.86	0.93276	0.00063
6.00	0.93745	0.00062	5.28	0.92505	0.00062	4.88	0.93556	0.00062
6.05	0.94116	0.00063	5.30	0.92723	0.00063	4.90	0.93914	0.00060
6.10	0.94753	0.00062	5.32	0.92956	0.00062	4.92	0.94159	0.00059
6.15	0.95471	0.00065	5.34	0.93332	0.00064	4.94	0.94373	0.00062
6.20	0.95793	0.00063	5.36	0.93553	0.00063	4.96	0.94771	0.00061
6.25	0.96356	0.00063	5.38	0.93749	0.00061	4.98	0.94854	0.00060
6.30	0.96853	0.00063	5.40	0.94013	0.00063	5.00	0.95230	0.00064
6.35	0.97426	0.00063	5.42	0.94236	0.00063	5.02	0.95538	0.00060
6.40	0.97998	0.00065	5.44	0.94422	0.00064	5.04	0.95786	0.00062
6.45	0.98326	0.00063	5.46	0.94813	0.00062	5.06	0.96052	0.00061
6.50	0.98796	0.00065	5.48	0.95009	0.00062	5.08	0.96222	0.00061
6.55	0.99358	0.00064	5.50	0.95200	0.00062	5.10	0.96583	0.00060
6.60	0.99863	0.00064	5.52	0.95440	0.00061	5.12	0.97040	0.00061
6.65	1.00310	0.00064	5.54	0.95774	0.00065	5.14	0.97145	0.00062
6.70	1.00624	0.00062	5.56	0.96046	0.00063	5.16	0.97405	0.00061
			5.58	0.96218	0.00064	5.18	0.97614	0.00062
			5.60	0.96440	0.00061	5.20	0.97937	0.00061
			5.62	0.96698	0.00063	5.22	0.98258	0.00062
			5.64	0.96888	0.00061	5.24	0.98443	0.00063
			5.66	0.97109	0.00062	5.26	0.98701	0.00062
			5.68	0.97391	0.00063	5.28	0.98956	0.00062
			5.70	0.97647	0.00062	5.30	0.99180	0.00061
			5.72	0.97920	0.00061	5.32	0.99512	0.00061
			5.74	0.98029	0.00061	5.34	0.99843	0.00064
			5.76	0.98512	0.00063	5.36	1.00079	0.00063
			5.78	0.98597	0.00061	5.38	1.00285	0.00065
			5.80	0.98798	0.00061	5.40	1.00604	0.00061
			5.82	0.99063	0.00062	5.42	1.00746	0.00062
			5.84	0.99202	0.00061	5.44	1.01116	0.00062
			5.86	0.99498	0.00062	5.46	1.01358	0.00065
			5.88	0.99735	0.00062	5.48	1.01536	0.00062
			5.90	0.99900	0.00065	5.50	1.01809	0.00063
			5.92	1.00216	0.00063			
			5.94	1.00316	0.00063			
			5.96	1.00590	0.00063			
			5.98	1.00855	0.00064			
			6.00	1.01018	0.00066			

6000			7000			7500		
4.30	0.90489	0.00058	4.00	0.90610	0.00059	3.90	0.91252	0.00057
4.32	0.90875	0.00061	4.02	0.90990	0.00058	3.92	0.91700	0.00057
4.34	0.91110	0.00062	4.04	0.91353	0.00059	3.94	0.92084	0.00057
4.36	0.91434	0.00059	4.06	0.91666	0.00058	3.96	0.92513	0.00059
4.38	0.91812	0.00061	4.08	0.92125	0.00058	3.98	0.92777	0.00060
4.40	0.92125	0.00058	4.10	0.92363	0.00059	4.00	0.93030	0.00058
4.42	0.92444	0.00061	4.12	0.92745	0.00058	4.02	0.93511	0.00060
4.44	0.92823	0.00061	4.14	0.93101	0.00058	4.04	0.93760	0.00058
4.46	0.93187	0.00061	4.16	0.93517	0.00059	4.06	0.94160	0.00059
4.48	0.93460	0.00060	4.18	0.93857	0.00059	4.08	0.94608	0.00061
4.50	0.93770	0.00061	4.20	0.94145	0.00060	4.10	0.94998	0.00057
4.52	0.94111	0.00060	4.22	0.94425	0.00059	4.12	0.95245	0.00058
4.54	0.94332	0.00061	4.24	0.94782	0.00059	4.14	0.95513	0.00057

4.56	0.94562	0.00060
4.58	0.94975	0.00059
4.60	0.95346	0.00062
4.62	0.95424	0.00061
4.64	0.95890	0.00061
4.66	0.96165	0.00060
4.68	0.96416	0.00062
4.70	0.96854	0.00062
4.72	0.97055	0.00062
4.74	0.97362	0.00064
4.76	0.97588	0.00061
4.78	0.98011	0.00061
4.80	0.98194	0.00059
4.82	0.98542	0.00062
4.84	0.98832	0.00062
4.86	0.99276	0.00062
4.88	0.99480	0.00061
4.90	0.99644	0.00063
4.92	0.99997	0.00063
4.94	1.00201	0.00059
4.96	1.00608	0.00061
4.98	1.00896	0.00058
5.00	1.01180	0.00062

4.26	0.95043	0.00061
4.28	0.95436	0.00059
4.30	0.95772	0.00062
4.32	0.96091	0.00060
4.34	0.96475	0.00059
4.36	0.96726	0.00060
4.38	0.97137	0.00059
4.40	0.97490	0.00057
4.42	0.97861	0.00058
4.44	0.98090	0.00060
4.46	0.98410	0.00062
4.48	0.98809	0.00060
4.50	0.99145	0.00062
4.52	0.99394	0.00059
4.54	0.99641	0.00062
4.56	1.00039	0.00061
4.58	1.00277	0.00062
4.60	1.00550	0.00059
4.62	1.00991	0.00061
4.64	1.01396	0.00060
4.66	1.01622	0.00061
4.68	1.01984	0.00058
4.70	1.02223	0.00062

4.16	0.95924	0.00061
4.18	0.96201	0.00059
4.20	0.96523	0.00060
4.22	0.96940	0.00060
4.24	0.97128	0.00061
4.26	0.97627	0.00060
4.28	0.97949	0.00058
4.30	0.98324	0.00060
4.32	0.98651	0.00060
4.34	0.98879	0.00061
4.36	0.99370	0.00062
4.38	0.99636	0.00057
4.40	0.99954	0.00057
4.42	1.00320	0.00062
4.44	1.00644	0.00060
4.46	1.00946	0.00062
4.48	1.01298	0.00060
4.50	1.01704	0.00058

8000		
3.80	0.91911	0.00059
3.82	0.92256	0.00057
3.84	0.92632	0.00058
3.86	0.93010	0.00061
3.88	0.93402	0.00058
3.90	0.93729	0.00060
3.92	0.94093	0.00058
3.94	0.94382	0.00058
3.96	0.94824	0.00060
3.98	0.95117	0.00060
4.00	0.95608	0.00058
4.02	0.95886	0.00059
4.04	0.96215	0.00059
4.06	0.96639	0.00059
4.08	0.96982	0.00060
4.10	0.97298	0.00057
4.12	0.97744	0.00060
4.14	0.97973	0.00058
4.16	0.98366	0.00058
4.18	0.98744	0.00060
4.20	0.99177	0.00061
4.22	0.99460	0.00060
4.24	0.99796	0.00058
4.26	1.00201	0.00059
4.28	1.00455	0.00059
4.30	1.00811	0.00060
4.32	1.01132	0.00061
4.34	1.01447	0.00061
4.36	1.01728	0.00062
4.38	1.02144	0.00059
4.40	1.02492	0.00058

9000		
3.50	0.90462	0.00054
3.52	0.90969	0.00055
3.54	0.91362	0.00053
3.56	0.91651	0.00058
3.58	0.92196	0.00057
3.60	0.92601	0.00056
3.62	0.92960	0.00059
3.64	0.93277	0.00058
3.66	0.93740	0.00057
3.68	0.94150	0.00057
3.70	0.94645	0.00058
3.72	0.94946	0.00060
3.74	0.95403	0.00058
3.76	0.95736	0.00060
3.78	0.96138	0.00058
3.80	0.96397	0.00059
3.82	0.96700	0.00057
3.84	0.97186	0.00057
3.86	0.97606	0.00058
3.88	0.98096	0.00058
3.90	0.98298	0.00058
3.92	0.98792	0.00061
3.94	0.99206	0.00059
3.96	0.99518	0.00058
3.98	0.99867	0.00059
4.00	1.00310	0.00058
4.02	1.00656	0.00059
4.04	1.00905	0.00057
4.06	1.01353	0.00058
4.08	1.01732	0.00061
4.10	1.02125	0.00060

10000		
3.30	0.90638	0.00056
3.32	0.90992	0.00054
3.34	0.91518	0.00055
3.36	0.92006	0.00056
3.38	0.92369	0.00056
3.40	0.92783	0.00057
3.42	0.93137	0.00057
3.44	0.93636	0.00055
3.46	0.94017	0.00055
3.48	0.94438	0.00057
3.50	0.94891	0.00055
3.52	0.95271	0.00057
3.54	0.95591	0.00058
3.56	0.96084	0.00057
3.58	0.96531	0.00056
3.60	0.96916	0.00056
3.62	0.97403	0.00057
3.64	0.97624	0.00056
3.66	0.98063	0.00057
3.68	0.98548	0.00057
3.70	0.98937	0.00059
3.72	0.99320	0.00059
3.74	0.99746	0.00057
3.76	1.00116	0.00059
3.78	1.00449	0.00056
3.80	1.00901	0.00058

15000			19600		
2.55	0.91211	0.00052	2.10	0.92279	0.00051
2.57	0.91841	0.00050	2.12	0.93053	0.00051
2.59	0.92357	0.00049	2.14	0.93720	0.00048
2.61	0.92860	0.00050	2.16	0.94309	0.00051
2.63	0.93542	0.00054	2.18	0.95004	0.00049
2.65	0.93989	0.00052	2.20	0.95697	0.00050
2.67	0.94569	0.00051	2.22	0.96360	0.00049
2.69	0.95086	0.00051	2.24	0.97075	0.00051
2.71	0.95592	0.00051	2.26	0.97740	0.00051
2.73	0.96155	0.00053	2.28	0.98295	0.00051
2.75	0.96758	0.00052	2.30	0.98960	0.00050
2.77	0.97080	0.00054	2.32	0.99630	0.00051
2.79	0.97665	0.00053	2.34	1.00324	0.00050
2.81	0.98247	0.00055	2.36	1.01009	0.00049
2.83	0.98776	0.00053	2.38	1.01566	0.00053
2.85	0.99390	0.00053	2.40	1.02315	0.00051
2.87	0.99797	0.00054			
2.89	1.00431	0.00054			
2.90	1.00725	0.00055			

sumtable.pu-icyl-0900-10

10			13			15		
20.00	0.91315	0.00033	14.00	0.91001	0.00038	12.00	0.90043	0.00042
20.50	0.91825	0.00032	14.25	0.91695	0.00040	12.20	0.90881	0.00043
21.00	0.92417	0.00031	14.50	0.92350	0.00039	12.40	0.91511	0.00042
21.50	0.92911	0.00031	14.75	0.92797	0.00038	12.60	0.92060	0.00042
22.00	0.93401	0.00031	15.00	0.93444	0.00038	12.80	0.92696	0.00043
22.50	0.93870	0.00032	15.25	0.93943	0.00038	13.00	0.93273	0.00042
23.00	0.94377	0.00031	15.50	0.94586	0.00038	13.20	0.93903	0.00042
23.50	0.94789	0.00032	15.75	0.95048	0.00038	13.40	0.94445	0.00042
24.00	0.95149	0.00032	16.00	0.95578	0.00039	13.60	0.95045	0.00043
24.50	0.95619	0.00030	16.25	0.95955	0.00038	13.80	0.95546	0.00042
25.00	0.95887	0.00029	16.50	0.96616	0.00039	14.00	0.96132	0.00042
25.50	0.96296	0.00030	16.75	0.96882	0.00037	14.20	0.96590	0.00041
26.00	0.96597	0.00028	17.00	0.97385	0.00037	14.40	0.97147	0.00043
26.50	0.96955	0.00029	17.25	0.97856	0.00037	14.60	0.97687	0.00042
27.00	0.97247	0.00029	17.50	0.98277	0.00038	14.80	0.98137	0.00042
27.50	0.97570	0.00028	17.75	0.98711	0.00037	15.00	0.98554	0.00041
28.00	0.97821	0.00030	18.00	0.99112	0.00037	15.20	0.99028	0.00043
28.50	0.98146	0.00028	18.25	0.99477	0.00037	15.40	0.99439	0.00039
29.00	0.98377	0.00028	18.50	0.99846	0.00036	15.60	0.99939	0.00040
29.50	0.98680	0.00027	18.75	1.00209	0.00037	15.80	1.00304	0.00042
30.00	0.98885	0.00028	19.00	1.00566	0.00038	16.00	1.00714	0.00041
30.50	0.99146	0.00029	19.25	1.00943	0.00036	16.20	1.01280	0.00041
31.00	0.99324	0.00028	19.50	1.01229	0.00035	16.40	1.01554	0.00040
31.50	0.99607	0.00028	19.75	1.01619	0.00037	16.60	1.01927	0.00042
32.00	0.99792	0.00028	20.00	1.01917	0.00037	16.80	1.02319	0.00041
32.50	0.99954	0.00026				17.00	1.02778	0.00039
33.00	1.00185	0.00027						
33.50	1.00319	0.00027						
34.00	1.00619	0.00026						
34.50	1.00637	0.00027						
35.00	1.00926	0.00027						

18			20			22		
11.00	0.92084	0.00046	10.00	0.90815	0.00047	9.00	0.88177	0.00049
11.25	0.93225	0.00047	10.25	0.91944	0.00048	9.20	0.89315	0.00051
11.50	0.94119	0.00046	10.50	0.93168	0.00049	9.40	0.90408	0.00049
11.75	0.95052	0.00048	10.75	0.94268	0.00048	9.60	0.91442	0.00049
12.00	0.95904	0.00045	11.00	0.95221	0.00048	9.80	0.92425	0.00049
12.25	0.96818	0.00045	11.25	0.96183	0.00046	10.00	0.93432	0.00048
12.50	0.97643	0.00045	11.50	0.97195	0.00046	10.20	0.94371	0.00049
12.75	0.98495	0.00044	11.75	0.98209	0.00046	10.40	0.95311	0.00049
13.00	0.99285	0.00044	12.00	0.99097	0.00048	10.60	0.96178	0.00049
13.25	0.99953	0.00046	12.25	1.00072	0.00048	10.80	0.97026	0.00049
13.50	1.00749	0.00045	12.50	1.00779	0.00048	11.00	0.97920	0.00049
13.75	1.01509	0.00045	12.75	1.01677	0.00048	11.20	0.98676	0.00050
14.00	1.02139	0.00044	13.00	1.02422	0.00047	11.40	0.99541	0.00047
14.25	1.02779	0.00044	13.25	1.03252	0.00047	11.60	1.00298	0.00048
14.50	1.03456	0.00044	13.50	1.03933	0.00047	11.80	1.01060	0.00048
14.75	1.04038	0.00044	13.75	1.04707	0.00046	12.00	1.01731	0.00048
15.00	1.04721	0.00045	14.00	1.05450	0.00046	12.20	1.02641	0.00049
15.25	1.05343	0.00044	14.25	1.06116	0.00045	12.40	1.03156	0.00049
15.50	1.05916	0.00043	14.50	1.06786	0.00044	12.60	1.03989	0.00048
15.75	1.06455	0.00043	14.75	1.07415	0.00045	12.80	1.04483	0.00048
16.00	1.06910	0.00045	15.00	1.08084	0.00046	13.00	1.05254	0.00048
						13.20	1.05872	0.00049
						13.40	1.06481	0.00048
						13.60	1.06982	0.00048
						13.80	1.07592	0.00047
						14.00	1.08214	0.00048

24			25			26		
9.00	0.90286	0.00050	9.00	0.91378	0.00049	9.00	0.92419	0.00053
9.20	0.91484	0.00051	9.20	0.92522	0.00052	9.20	0.93454	0.00053
9.40	0.92587	0.00050	9.40	0.93604	0.00052	9.25	0.93663	0.00050
9.60	0.93600	0.00052	9.60	0.94534	0.00050	9.30	0.93991	0.00053
9.80	0.94659	0.00051	9.80	0.95690	0.00051	9.35	0.94128	0.00053
10.00	0.95609	0.00049	10.00	0.96692	0.00049	9.40	0.94565	0.00052
10.20	0.96590	0.00051	10.20	0.97586	0.00052	9.45	0.94700	0.00051
10.40	0.97627	0.00051	10.40	0.98508	0.00051	9.50	0.95023	0.00052
10.60	0.98379	0.00051	10.60	0.99404	0.00049	9.55	0.95262	0.00052
10.80	0.99294	0.00052	10.80	1.00313	0.00050	9.60	0.95582	0.00053
11.00	1.00268	0.00049	11.00	1.01140	0.00049	9.65	0.95716	0.00051
11.20	1.01023	0.00051	11.20	1.02010	0.00050	9.70	0.96083	0.00051
11.40	1.01860	0.00051	11.40	1.02902	0.00050	9.75	0.96278	0.00049
11.60	1.02675	0.00051	11.60	1.03639	0.00050	9.80	0.96559	0.00053
11.80	1.03436	0.00051	11.80	1.04404	0.00051	9.85	0.96875	0.00051
12.00	1.04015	0.00051	12.00	1.05245	0.00049	9.90	0.97065	0.00052
12.20	1.04797	0.00047	12.20	1.05883	0.00050	9.95	0.97307	0.00051
12.40	1.05512	0.00049	12.40	1.06573	0.00049	10.00	0.97555	0.00052
12.60	1.06206	0.00049	12.60	1.07201	0.00051	10.05	0.97829	0.00049
12.80	1.06929	0.00049	12.80	1.07942	0.00050	10.10	0.98016	0.00053
13.00	1.07462	0.00051	13.00	1.08655	0.00047	10.15	0.98408	0.00052
						10.20	0.98542	0.00052
						10.25	0.98791	0.00053

10.30	0.99046	0.00049
10.35	0.99268	0.00052
10.40	0.99481	0.00051
10.45	0.99675	0.00050
10.50	0.99967	0.00053
10.55	1.00127	0.00052
10.60	1.00405	0.00051
10.65	1.00694	0.00054
10.70	1.00819	0.00050
10.80	1.01227	0.00052
11.00	1.02072	0.00052

28

8.70	0.92196	0.00053
8.75	0.92524	0.00052
8.80	0.92776	0.00054
8.85	0.93116	0.00053
8.90	0.93448	0.00052
8.95	0.93732	0.00055
9.00	0.93944	0.00053
9.05	0.94202	0.00052
9.10	0.94553	0.00054
9.15	0.94689	0.00053
9.20	0.95102	0.00054
9.25	0.95315	0.00052
9.30	0.95667	0.00054
9.35	0.95881	0.00054
9.40	0.96225	0.00055
9.45	0.96460	0.00052
9.50	0.96620	0.00052
9.55	0.96946	0.00052
9.60	0.97182	0.00054
9.65	0.97547	0.00053
9.70	0.97627	0.00054
9.75	0.98110	0.00052
9.80	0.98243	0.00051
9.85	0.98510	0.00050
9.90	0.98729	0.00054
9.95	0.99020	0.00053
10.00	0.99338	0.00052
10.05	0.99533	0.00053
10.10	0.99781	0.00052
10.15	1.00103	0.00052
10.20	1.00242	0.00053
10.25	1.00498	0.00055
10.30	1.00739	0.00052

30

8.40	0.91854	0.00055
8.45	0.92143	0.00054
8.50	0.92453	0.00052
8.55	0.92668	0.00053
8.60	0.93069	0.00054
8.65	0.93363	0.00052
8.70	0.93740	0.00053
8.75	0.93994	0.00056
8.80	0.94163	0.00054
8.85	0.94595	0.00054
8.90	0.94846	0.00052
8.95	0.95130	0.00052
9.00	0.95535	0.00052
9.05	0.95770	0.00052
9.10	0.96057	0.00052
9.15	0.96298	0.00053
9.20	0.96643	0.00053
9.25	0.96818	0.00054
9.30	0.97133	0.00054
9.35	0.97410	0.00054
9.40	0.97605	0.00054
9.45	0.97865	0.00054
9.50	0.98168	0.00054
9.55	0.98523	0.00054
9.60	0.98717	0.00054
9.65	0.99056	0.00054
9.70	0.99202	0.00057
9.75	0.99512	0.00052
9.80	0.99724	0.00054
9.85	0.99983	0.00053
9.90	1.00389	0.00053
9.95	1.00485	0.00054
10.00	1.00842	0.00052

32

8.30	0.92432	0.00053
8.35	0.92788	0.00056
8.40	0.93125	0.00053
8.45	0.93485	0.00056
8.50	0.93789	0.00054
8.55	0.94076	0.00054
8.60	0.94383	0.00056
8.65	0.94582	0.00054
8.70	0.94967	0.00053
8.75	0.95275	0.00054
8.80	0.95563	0.00054
8.85	0.95909	0.00054
8.90	0.96197	0.00054
8.95	0.96453	0.00054
9.00	0.96722	0.00054
9.05	0.96927	0.00054
9.10	0.97412	0.00055
9.15	0.97714	0.00051
9.20	0.97856	0.00053
9.25	0.98204	0.00054
9.30	0.98585	0.00052
9.35	0.98711	0.00055
9.40	0.98939	0.00055
9.45	0.99261	0.00055
9.50	0.99542	0.00054
9.55	0.99794	0.00052
9.60	1.00118	0.00054
9.65	1.00309	0.00054
9.70	1.00507	0.00055

36

7.90	0.91908	0.00055
7.95	0.92284	0.00053
8.00	0.92759	0.00057
8.05	0.93133	0.00054
8.10	0.93312	0.00055
8.15	0.93603	0.00058
8.20	0.94051	0.00056
8.25	0.94346	0.00055

40

7.70	0.92351	0.00056
7.75	0.92707	0.00058
7.80	0.93085	0.00057
7.85	0.93377	0.00055
7.90	0.93770	0.00055
7.95	0.94129	0.00056
8.00	0.94441	0.00055
8.05	0.94769	0.00057

45

7.40	0.91976	0.00056
7.45	0.92282	0.00058
7.50	0.92625	0.00055
7.55	0.92996	0.00057
7.60	0.93444	0.00059
7.65	0.93749	0.00059
7.70	0.94137	0.00058
7.75	0.94492	0.00056

8.30	0.94669	0.00056
8.35	0.95018	0.00056
8.40	0.95231	0.00054
8.45	0.95585	0.00057
8.50	0.95957	0.00055
8.55	0.96274	0.00057
8.60	0.96629	0.00056
8.65	0.96802	0.00055
8.70	0.97186	0.00055
8.75	0.97509	0.00054
8.80	0.97668	0.00054
8.85	0.98079	0.00055
8.90	0.98451	0.00058
8.95	0.98664	0.00055
9.00	0.98860	0.00056
9.05	0.99177	0.00057
9.10	0.99520	0.00057
9.15	0.99931	0.00055
9.20	1.00058	0.00055
9.25	1.00355	0.00058
9.30	1.00745	0.00055

8.10	0.95184	0.00055
8.15	0.95536	0.00056
8.20	0.95711	0.00057
8.25	0.96112	0.00055
8.30	0.96456	0.00058
8.35	0.96697	0.00056
8.40	0.97117	0.00057
8.45	0.97329	0.00057
8.50	0.97671	0.00055
8.55	0.98071	0.00054
8.60	0.98291	0.00057
8.65	0.98683	0.00057
8.70	0.98964	0.00056
8.75	0.99231	0.00056
8.80	0.99586	0.00056
8.85	0.99849	0.00057
8.90	1.00120	0.00055
8.95	1.00502	0.00059
9.00	1.00838	0.00052

7.80	0.94879	0.00057
7.85	0.95143	0.00058
7.90	0.95474	0.00055
7.95	0.95830	0.00058
8.00	0.96157	0.00054
8.05	0.96534	0.00056
8.10	0.96865	0.00058
8.15	0.97293	0.00056
8.20	0.97514	0.00058
8.25	0.97891	0.00058
8.30	0.98189	0.00058
8.35	0.98563	0.00057
8.40	0.98895	0.00057
8.45	0.99173	0.00059
8.50	0.99534	0.00056
8.55	0.99935	0.00058
8.60	1.00091	0.00056
8.65	1.00425	0.00060
8.70	1.00731	0.00059

50		
7.30	0.92577	0.00059
7.35	0.93027	0.00059
7.40	0.93236	0.00060
7.45	0.93765	0.00057
7.50	0.94163	0.00058
7.55	0.94549	0.00059
7.60	0.94805	0.00057
7.65	0.95146	0.00057
7.70	0.95547	0.00060
7.75	0.95964	0.00058
7.80	0.96215	0.00060
7.85	0.96561	0.00059
7.90	0.96894	0.00057
7.95	0.97319	0.00058
8.00	0.97579	0.00058
8.05	0.98033	0.00060
8.10	0.98253	0.00059
8.15	0.98609	0.00056
8.20	0.98975	0.00059
8.25	0.99373	0.00057
8.30	0.99529	0.00059
8.35	1.00051	0.00058
8.40	1.00321	0.00058
8.45	1.00513	0.00056
8.50	1.00891	0.00058

75		
6.70	0.91877	0.00061
6.75	0.92258	0.00062
6.80	0.92598	0.00060
6.85	0.93080	0.00060
6.90	0.93475	0.00060
6.95	0.94038	0.00061
7.00	0.94393	0.00061
7.05	0.94608	0.00061
7.10	0.94992	0.00062
7.15	0.95436	0.00060
7.20	0.95787	0.00060
7.25	0.96238	0.00061
7.30	0.96546	0.00062
7.35	0.97054	0.00062
7.40	0.97262	0.00060
7.45	0.97735	0.00060
7.50	0.98081	0.00064
7.55	0.98508	0.00061
7.60	0.98756	0.00059
7.65	0.99078	0.00062
7.70	0.99546	0.00062
7.75	0.99884	0.00061
7.80	1.00170	0.00063
7.85	1.00526	0.00062
7.90	1.00882	0.00060
7.95	1.01168	0.00061
8.00	1.01488	0.00062

100		
6.50	0.91911	0.00061
6.55	0.92373	0.00063
6.60	0.92813	0.00062
6.65	0.93165	0.00059
6.70	0.93500	0.00059
6.75	0.94016	0.00064
6.80	0.94434	0.00061
6.85	0.94821	0.00061
6.90	0.95168	0.00060
6.95	0.95504	0.00063
7.00	0.96028	0.00060
7.05	0.96342	0.00061
7.10	0.96725	0.00061
7.15	0.97159	0.00062
7.20	0.97451	0.00062
7.25	0.97953	0.00063
7.30	0.98194	0.00060
7.35	0.98565	0.00063
7.40	0.98879	0.00064
7.45	0.99269	0.00062
7.50	0.99607	0.00064
7.55	0.99961	0.00061
7.60	1.00378	0.00061
7.65	1.00698	0.00061
7.70	1.01020	0.00062

150			200			350		
6.40	0.92388	0.00061	6.30	0.91949	0.00063	6.30	0.92129	0.00061
6.45	0.92708	0.00063	6.35	0.92341	0.00063	6.35	0.92586	0.00061
6.50	0.93247	0.00064	6.40	0.92777	0.00063	6.40	0.92988	0.00062
6.55	0.93710	0.00063	6.45	0.93134	0.00061	6.45	0.93459	0.00063
6.60	0.94071	0.00062	6.50	0.93592	0.00063	6.50	0.93737	0.00060
6.65	0.94439	0.00062	6.55	0.93991	0.00062	6.55	0.94141	0.00065
6.70	0.94895	0.00063	6.60	0.94473	0.00064	6.60	0.94510	0.00062
6.75	0.95290	0.00063	6.65	0.94760	0.00061	6.65	0.94734	0.00063
6.80	0.95575	0.00062	6.70	0.95186	0.00062	6.70	0.95205	0.00064
6.85	0.95898	0.00066	6.75	0.95455	0.00061	6.75	0.95473	0.00063
6.90	0.96291	0.00061	6.80	0.95950	0.00063	6.80	0.95840	0.00065
6.95	0.96776	0.00065	6.85	0.96100	0.00064	6.85	0.96219	0.00062
7.00	0.97108	0.00063	6.90	0.96585	0.00064	6.90	0.96567	0.00064
7.05	0.97659	0.00061	6.95	0.96892	0.00063	6.95	0.96917	0.00063
7.10	0.97848	0.00064	7.00	0.97348	0.00064	7.00	0.97173	0.00065
7.15	0.98209	0.00062	7.05	0.97789	0.00061	7.05	0.97557	0.00061
7.20	0.98655	0.00061	7.10	0.97999	0.00064	7.10	0.98004	0.00063
7.25	0.98862	0.00064	7.15	0.98447	0.00064	7.15	0.98179	0.00061
7.30	0.99217	0.00064	7.20	0.98670	0.00063	7.20	0.98683	0.00064
7.35	0.99670	0.00066	7.25	0.99168	0.00064	7.25	0.98842	0.00064
7.40	0.99948	0.00064	7.30	0.99531	0.00063	7.30	0.99317	0.00065
7.45	1.00374	0.00063	7.35	0.99868	0.00062	7.35	0.99529	0.00063
7.50	1.00663	0.00064	7.40	1.00092	0.00062	7.40	0.99885	0.00066
			7.45	1.00450	0.00062	7.45	1.00227	0.00063
			7.50	1.00850	0.00063	7.50	1.00437	0.00064
			7.55	1.01082	0.00066			
			7.60	1.01476	0.00066			

500			750			1000		
6.30	0.92495	0.00063	6.00	0.91199	0.00066	5.90	0.91868	0.00062
6.35	0.92903	0.00061	6.05	0.91622	0.00062	5.95	0.92189	0.00059
6.40	0.93106	0.00063	6.10	0.91906	0.00065	6.00	0.92579	0.00062
6.45	0.93635	0.00062	6.15	0.92395	0.00063	6.05	0.92964	0.00062
6.50	0.94057	0.00063	6.20	0.92779	0.00060	6.10	0.93414	0.00062
6.55	0.94235	0.00061	6.25	0.93116	0.00064	6.15	0.93818	0.00064
6.60	0.94729	0.00061	6.30	0.93422	0.00062	6.20	0.94094	0.00063
6.65	0.95053	0.00064	6.35	0.93858	0.00062	6.25	0.94517	0.00062
6.70	0.95307	0.00064	6.40	0.94174	0.00063	6.30	0.94855	0.00063
6.75	0.95745	0.00062	6.45	0.94513	0.00062	6.35	0.95354	0.00063
6.80	0.95984	0.00065	6.50	0.94790	0.00063	6.40	0.95545	0.00061
6.85	0.96390	0.00062	6.55	0.95315	0.00063	6.45	0.95973	0.00061
6.90	0.96691	0.00063	6.60	0.95594	0.00063	6.50	0.96368	0.00061
6.95	0.97216	0.00061	6.65	0.96029	0.00062	6.55	0.96711	0.00062
7.00	0.97388	0.00062	6.70	0.96260	0.00063	6.60	0.97029	0.00063
7.05	0.97589	0.00063	6.75	0.96618	0.00064	6.65	0.97275	0.00064
7.10	0.98059	0.00062	6.80	0.96991	0.00063	6.70	0.97682	0.00061
7.15	0.98468	0.00065	6.85	0.97432	0.00064	6.75	0.97994	0.00063
7.20	0.98734	0.00064	6.90	0.97720	0.00061	6.80	0.98398	0.00062
7.25	0.99092	0.00062	6.95	0.97920	0.00063	6.85	0.98808	0.00065
7.30	0.99297	0.00064	7.00	0.98372	0.00064	6.90	0.99116	0.00063
7.35	0.99588	0.00065	7.05	0.98628	0.00061	6.95	0.99451	0.00060
7.40	0.99999	0.00065	7.10	0.98890	0.00061	7.00	0.99683	0.00062
7.45	1.00263	0.00064	7.15	0.99278	0.00063	7.05	1.00090	0.00062
7.50	1.00589	0.00065	7.20	0.99592	0.00063	7.10	1.00383	0.00061
7.55	1.01029	0.00064	7.25	0.99970	0.00062	7.15	1.00705	0.00062
7.60	1.01257	0.00064	7.30	1.00241	0.00065	7.20	1.01045	0.00063
			7.35	1.00577	0.00061			
			7.40	1.00967	0.00062			

1500			2000			2500		
5.50	0.91791	0.00062	5.00	0.90483	0.00061	4.80	0.91750	0.00062
5.55	0.92252	0.00060	5.05	0.91030	0.00062	4.85	0.92212	0.00062
5.60	0.92692	0.00062	5.10	0.91410	0.00061	4.90	0.92745	0.00057
5.65	0.93119	0.00063	5.15	0.92065	0.00060	4.95	0.93221	0.00062
5.70	0.93496	0.00063	5.20	0.92391	0.00062	5.00	0.93872	0.00060
5.75	0.93929	0.00059	5.25	0.92960	0.00062	5.05	0.94246	0.00062
5.80	0.94349	0.00063	5.30	0.93411	0.00061	5.10	0.94711	0.00060
5.85	0.94811	0.00060	5.35	0.93873	0.00061	5.15	0.95295	0.00063
5.90	0.95186	0.00062	5.40	0.94408	0.00058	5.20	0.95731	0.00064
5.95	0.95542	0.00061	5.45	0.94790	0.00061	5.25	0.96305	0.00058
6.00	0.96001	0.00062	5.50	0.95198	0.00062	5.30	0.96743	0.00060
6.05	0.96215	0.00061	5.55	0.95679	0.00062	5.35	0.97239	0.00059
6.10	0.96871	0.00062	5.60	0.96077	0.00063	5.40	0.97681	0.00059
6.15	0.97100	0.00062	5.65	0.96611	0.00061	5.45	0.98199	0.00062
6.20	0.97569	0.00062	5.70	0.96961	0.00062	5.50	0.98769	0.00060
6.25	0.97940	0.00064	5.75	0.97380	0.00062	5.55	0.99256	0.00060
6.30	0.98346	0.00062	5.80	0.97820	0.00061	5.60	0.99658	0.00061
6.35	0.98647	0.00062	5.85	0.98255	0.00061	5.65	1.00092	0.00060
6.40	0.99002	0.00064	5.90	0.98615	0.00062	5.70	1.00505	0.00059
6.45	0.99383	0.00063	5.95	0.99213	0.00062			
6.50	0.99621	0.00062	6.00	0.99550	0.00062			
6.55	1.00087	0.00064	6.05	0.99875	0.00060			
6.60	1.00518	0.00060	6.10	1.00369	0.00062			
6.65	1.00845	0.00061	6.15	1.00660	0.00065			
6.70	1.01345	0.00062	6.20	1.01120	0.00062			

3000			4000			5000		
4.60	0.92689	0.00059	4.00	0.90831	0.00059	3.70	0.91553	0.00060
4.65	0.93206	0.00060	4.02	0.91110	0.00057	3.72	0.91909	0.00060
4.70	0.93749	0.00061	4.04	0.91358	0.00058	3.74	0.92147	0.00060
4.75	0.94186	0.00060	4.06	0.91759	0.00059	3.76	0.92470	0.00060
4.80	0.94947	0.00062	4.08	0.91865	0.00060	3.78	0.92869	0.00060
4.85	0.95427	0.00062	4.10	0.92172	0.00058	3.80	0.93006	0.00060
4.90	0.95948	0.00060	4.12	0.92456	0.00059	3.82	0.93369	0.00061
4.95	0.96467	0.00062	4.14	0.92684	0.00059	3.84	0.93720	0.00059
5.00	0.97035	0.00063	4.16	0.92960	0.00063	3.86	0.93973	0.00060
5.05	0.97569	0.00062	4.18	0.93268	0.00061	3.88	0.94251	0.00060
5.10	0.98062	0.00059	4.20	0.93680	0.00063	3.90	0.94599	0.00060
5.15	0.98541	0.00060	4.22	0.93816	0.00060	3.92	0.95036	0.00060
5.20	0.99087	0.00061	4.24	0.94104	0.00061	3.94	0.95113	0.00059
5.25	0.99631	0.00062	4.26	0.94249	0.00059	3.96	0.95513	0.00061
5.30	1.00120	0.00060	4.28	0.94582	0.00060	3.98	0.95700	0.00061
5.35	1.00538	0.00061	4.30	0.94684	0.00059	4.00	0.96018	0.00060
5.40	1.01042	0.00061	4.32	0.94955	0.00060	4.02	0.96339	0.00060
			4.34	0.95246	0.00062	4.04	0.96604	0.00060
			4.36	0.95509	0.00060	4.06	0.96877	0.00060
			4.38	0.95829	0.00060	4.08	0.97218	0.00062
			4.40	0.96062	0.00060	4.10	0.97441	0.00063
			4.42	0.96335	0.00061	4.12	0.97733	0.00061
			4.44	0.96549	0.00061	4.14	0.98104	0.00058
			4.46	0.96880	0.00063	4.16	0.98219	0.00061
			4.48	0.97152	0.00060	4.18	0.98530	0.00060
			4.50	0.97313	0.00061	4.20	0.98757	0.00061
			4.52	0.97658	0.00059	4.22	0.98933	0.00060
			4.54	0.97835	0.00061	4.24	0.99328	0.00061
			4.56	0.98059	0.00062	4.26	0.99743	0.00061
			4.58	0.98375	0.00060	4.28	0.99888	0.00059
			4.60	0.98553	0.00059	4.30	1.00239	0.00059

4.62	0.98758	0.00063
4.64	0.99030	0.00059
4.66	0.99270	0.00058
4.68	0.99614	0.00064
4.70	0.99727	0.00060
4.72	1.00068	0.00059
4.74	1.00270	0.00058
4.76	1.00527	0.00060
4.78	1.00775	0.00061
4.80	1.00942	0.00061
4.82	1.01199	0.00060
4.84	1.01401	0.00061
4.86	1.01719	0.00060
4.88	1.01863	0.00063
4.90	1.02115	0.00060

4.32	1.00468	0.00061
4.34	1.00804	0.00059
4.36	1.01080	0.00060
4.38	1.01306	0.00061
4.40	1.01547	0.00058

6000			7000			7500		
3.40	0.91326	0.00060	3.20	0.92050	0.00056	3.00	0.90358	0.00058
3.42	0.91671	0.00057	3.22	0.92438	0.00058	3.02	0.90632	0.00058
3.44	0.92021	0.00058	3.24	0.92846	0.00059	3.04	0.91127	0.00057
3.46	0.92278	0.00059	3.26	0.93110	0.00057	3.06	0.91426	0.00057
3.48	0.92762	0.00059	3.28	0.93550	0.00059	3.08	0.91744	0.00059
3.50	0.93021	0.00059	3.30	0.93896	0.00061	3.10	0.92154	0.00059
3.52	0.93513	0.00056	3.32	0.94198	0.00059	3.12	0.92538	0.00060
3.54	0.93769	0.00060	3.34	0.94570	0.00058	3.14	0.93014	0.00061
3.56	0.94013	0.00056	3.36	0.94935	0.00057	3.16	0.93347	0.00058
3.58	0.94361	0.00058	3.38	0.95262	0.00061	3.18	0.93786	0.00060
3.60	0.94644	0.00061	3.40	0.95667	0.00059	3.20	0.94139	0.00056
3.62	0.95100	0.00060	3.42	0.95972	0.00060	3.22	0.94457	0.00061
3.64	0.95399	0.00060	3.44	0.96366	0.00059	3.24	0.94905	0.00061
3.66	0.95644	0.00062	3.46	0.96748	0.00059	3.26	0.95297	0.00058
3.68	0.96006	0.00060	3.48	0.97021	0.00059	3.28	0.95585	0.00056
3.70	0.96337	0.00060	3.50	0.97474	0.00062	3.30	0.95952	0.00060
3.72	0.96585	0.00058	3.52	0.97774	0.00058	3.32	0.96348	0.00058
3.74	0.97000	0.00059	3.54	0.98185	0.00060	3.34	0.96773	0.00059
3.76	0.97350	0.00060	3.56	0.98541	0.00061	3.36	0.97079	0.00057
3.78	0.97677	0.00059	3.58	0.98911	0.00061	3.38	0.97462	0.00057
3.80	0.98037	0.00058	3.60	0.99080	0.00059	3.40	0.97781	0.00060
3.82	0.98269	0.00061	3.62	0.99536	0.00060	3.42	0.98181	0.00060
3.84	0.98574	0.00061	3.64	0.99764	0.00059	3.44	0.98475	0.00060
3.86	0.98750	0.00059	3.66	1.00294	0.00060	3.46	0.98873	0.00059
3.88	0.99251	0.00060	3.68	1.00481	0.00061	3.48	0.99303	0.00059
3.90	0.99585	0.00061	3.70	1.00818	0.00059	3.50	0.99647	0.00060
3.92	0.99754	0.00062				3.52	0.99970	0.00059
3.94	1.00064	0.00059				3.54	1.00418	0.00060
3.96	1.00367	0.00059				3.56	1.00683	0.00059
3.98	1.00683	0.00062				3.58	1.01032	0.00059
4.00	1.01144	0.00061				3.60	1.01409	0.00060

8000			9000			10000		
3.00	0.92169	0.00060	2.80	0.91736	0.00057	2.60	0.90791	0.00059
3.02	0.92636	0.00059	2.82	0.92222	0.00059	2.62	0.91235	0.00056
3.04	0.92966	0.00058	2.84	0.92560	0.00059	2.64	0.91775	0.00057
3.06	0.93425	0.00055	2.86	0.93104	0.00057	2.66	0.92160	0.00057
3.08	0.93661	0.00060	2.88	0.93440	0.00060	2.68	0.92606	0.00058
3.10	0.94192	0.00058	2.90	0.93934	0.00059	2.70	0.93103	0.00059

3.12	0.94466	0.00058	2.92	0.94316	0.00057	2.72	0.93501	0.00058
3.14	0.94981	0.00058	2.94	0.94799	0.00059	2.74	0.94023	0.00061
3.16	0.95272	0.00058	2.96	0.95180	0.00057	2.76	0.94488	0.00058
3.18	0.95750	0.00056	2.98	0.95572	0.00056	2.78	0.94919	0.00059
3.20	0.96158	0.00059	3.00	0.96013	0.00059	2.80	0.95389	0.00057
3.22	0.96469	0.00060	3.02	0.96392	0.00058	2.82	0.95795	0.00059
3.24	0.96912	0.00061	3.04	0.96833	0.00059	2.84	0.96253	0.00057
3.26	0.97225	0.00058	3.06	0.97215	0.00058	2.86	0.96701	0.00060
3.28	0.97661	0.00059	3.08	0.97708	0.00059	2.88	0.97101	0.00058
3.30	0.97961	0.00059	3.10	0.97902	0.00057	2.90	0.97526	0.00055
3.32	0.98344	0.00060	3.12	0.98466	0.00059	2.92	0.97907	0.00061
3.34	0.98795	0.00059	3.14	0.98888	0.00064	2.94	0.98431	0.00059
3.36	0.99176	0.00058	3.16	0.99255	0.00058	2.96	0.98815	0.00060
3.38	0.99413	0.00060	3.18	0.99641	0.00059	2.98	0.99373	0.00060
3.40	0.99741	0.00061	3.20	1.00024	0.00060	3.00	0.99651	0.00057
3.42	1.00168	0.00060	3.22	1.00449	0.00058	3.02	1.00218	0.00060
3.44	1.00535	0.00059	3.24	1.00870	0.00059	3.04	1.00575	0.00058
3.46	1.00970	0.00060	3.26	1.01219	0.00059	3.06	1.00934	0.00059
3.48	1.01374	0.00057	3.28	1.01677	0.00061	3.08	1.01356	0.00058
3.50	1.01715	0.00059	3.30	1.01939	0.00060	3.10	1.01850	0.00059

15000			19600		
2.00	0.90113	0.00054	1.70	0.91898	0.00056
2.02	0.90709	0.00056	1.72	0.92633	0.00052
2.04	0.91271	0.00054	1.74	0.93361	0.00055
2.06	0.91849	0.00053	1.76	0.94061	0.00057
2.08	0.92523	0.00056	1.78	0.94793	0.00054
2.10	0.93088	0.00057	1.80	0.95577	0.00055
2.12	0.93711	0.00056	1.82	0.96313	0.00056
2.14	0.94257	0.00055	1.84	0.97100	0.00055
2.16	0.94985	0.00057	1.86	0.97794	0.00057
2.18	0.95511	0.00056	1.88	0.98498	0.00055
2.20	0.96061	0.00057	1.90	0.99130	0.00057
2.22	0.96545	0.00057	1.92	0.99880	0.00057
2.24	0.97303	0.00056	1.94	1.00664	0.00055
2.26	0.97850	0.00057	1.96	1.01271	0.00059
2.28	0.98348	0.00059	1.98	1.01927	0.00056
2.30	0.98931	0.00057	2.00	1.02629	0.00056
2.32	0.99563	0.00057			
2.34	1.00145	0.00057			
2.36	1.00731	0.00056			
2.38	1.01221	0.00058			
2.40	1.01738	0.00059			

sumtable.pu-pl-0800-00

10			11			12		
999.98	0.99157	0.00019	20.00	0.94356	0.00030	15.00	0.92374	0.00034
999.99	0.99157	0.00019	21.00	0.95036	0.00029	15.25	0.92771	0.00035
			22.00	0.95744	0.00029	15.50	0.93079	0.00033
			23.00	0.96226	0.00028	15.75	0.93449	0.00034
			24.00	0.96756	0.00028	16.00	0.93750	0.00034
			25.00	0.97241	0.00027	16.25	0.94145	0.00031
			26.00	0.97633	0.00028	16.50	0.94421	0.00033

27.00	0.98023	0.00027
28.00	0.98374	0.00027
29.00	0.98659	0.00027
30.00	0.98948	0.00026
31.00	0.99187	0.00026
32.00	0.99393	0.00025
33.00	0.99602	0.00026
34.00	0.99803	0.00024
35.00	1.00028	0.00025
36.00	1.00165	0.00025
37.00	1.00387	0.00025
38.00	1.00467	0.00024
39.00	1.00655	0.00024
40.00	1.00688	0.00024
41.00	1.00889	0.00023
42.00	1.00982	0.00024
43.00	1.01074	0.00024
44.00	1.01156	0.00024
45.00	1.01278	0.00023

16.75	0.94715	0.00032
17.00	0.95043	0.00032
17.25	0.95273	0.00032
17.50	0.95632	0.00032
17.75	0.95806	0.00032
18.00	0.96118	0.00032
18.25	0.96276	0.00032
18.50	0.96616	0.00031
18.75	0.96859	0.00031
19.00	0.97002	0.00031
19.25	0.97278	0.00031
19.50	0.97493	0.00030
19.75	0.97685	0.00031
20.00	0.97932	0.00031
20.25	0.98143	0.00030
20.50	0.98238	0.00028
20.75	0.98490	0.00030
21.00	0.98648	0.00030
21.25	0.98735	0.00032
21.50	0.98983	0.00031
21.75	0.99129	0.00030
22.00	0.99234	0.00031
22.25	0.99431	0.00030
22.50	0.99480	0.00031
22.75	0.99756	0.00030
23.00	0.99814	0.00030
23.25	1.00004	0.00030
23.50	1.00051	0.00029
23.75	1.00246	0.00028
24.00	1.00374	0.00030

15

11.00	0.91325	0.00041
11.25	0.92133	0.00041
11.50	0.92743	0.00039
11.75	0.93556	0.00041
12.00	0.94332	0.00039
12.25	0.94982	0.00041
12.50	0.95649	0.00039
12.75	0.96149	0.00039
13.00	0.96764	0.00038
13.25	0.97327	0.00039
13.50	0.97896	0.00039
13.75	0.98316	0.00038
14.00	0.98840	0.00037
14.25	0.99296	0.00039
14.50	0.99796	0.00039
14.75	1.00240	0.00037
15.00	1.00681	0.00036
15.25	1.01099	0.00037
15.50	1.01408	0.00038
15.75	1.01805	0.00037
16.00	1.02110	0.00036

20

9.00	0.91909	0.00048
9.20	0.92816	0.00048
9.40	0.93803	0.00047
9.60	0.94803	0.00045
9.80	0.95562	0.00046
10.00	0.96466	0.00045
10.20	0.97252	0.00049
10.40	0.98100	0.00048
10.60	0.98863	0.00045
10.80	0.99610	0.00046
11.00	1.00274	0.00047
11.20	1.01002	0.00045
11.40	1.01668	0.00044
11.60	1.02305	0.00044
11.80	1.02931	0.00042
12.00	1.03394	0.00047
12.20	1.04081	0.00045
12.40	1.04532	0.00047
12.60	1.05143	0.00045
12.80	1.05630	0.00043
13.00	1.06140	0.00044

25

8.00	0.91711	0.00052
8.05	0.91960	0.00051
8.10	0.92267	0.00052
8.15	0.92594	0.00050
8.20	0.92946	0.00052
8.25	0.93176	0.00052
8.30	0.93544	0.00051
8.35	0.93875	0.00053
8.40	0.94131	0.00051
8.45	0.94456	0.00051
8.50	0.94708	0.00054
8.55	0.95036	0.00050
8.60	0.95372	0.00050
8.65	0.95498	0.00050
8.70	0.95873	0.00054
8.75	0.96167	0.00052
8.80	0.96475	0.00050
8.85	0.96717	0.00049
8.90	0.97074	0.00052
8.95	0.97327	0.00050
9.00	0.97536	0.00051
9.05	0.97863	0.00050
9.10	0.98078	0.00051
9.15	0.98309	0.00050
9.20	0.98568	0.00051
9.25	0.98817	0.00050

9.30	0.99104	0.00050
9.35	0.99295	0.00052
9.40	0.99527	0.00049
9.45	0.99881	0.00051
9.50	1.00094	0.00050
9.55	1.00315	0.00050
9.60	1.00591	0.00050

30			40			50		
7.50	0.91851	0.00055	6.90	0.91893	0.00057	6.60	0.91942	0.00060
7.55	0.92335	0.00054	6.95	0.92364	0.00057	6.65	0.92408	0.00061
7.60	0.92712	0.00056	7.00	0.92797	0.00058	6.70	0.92967	0.00062
7.65	0.93028	0.00055	7.05	0.93202	0.00060	6.75	0.93274	0.00060
7.70	0.93471	0.00055	7.10	0.93783	0.00056	6.80	0.93762	0.00059
7.75	0.93835	0.00054	7.15	0.94111	0.00056	6.85	0.94337	0.00062
7.80	0.94183	0.00054	7.20	0.94636	0.00060	6.90	0.94779	0.00060
7.85	0.94475	0.00055	7.25	0.94877	0.00058	6.95	0.95203	0.00061
7.90	0.94939	0.00057	7.30	0.95300	0.00057	7.00	0.95709	0.00059
7.95	0.95173	0.00055	7.35	0.95671	0.00057	7.05	0.96060	0.00062
8.00	0.95589	0.00055	7.40	0.96061	0.00060	7.10	0.96417	0.00062
8.05	0.95887	0.00054	7.45	0.96468	0.00057	7.15	0.96958	0.00061
8.10	0.96048	0.00053	7.50	0.96811	0.00060	7.20	0.97316	0.00063
8.15	0.96568	0.00055	7.55	0.97291	0.00057	7.25	0.97706	0.00060
8.20	0.96921	0.00055	7.60	0.97644	0.00060	7.30	0.98172	0.00061
8.25	0.97180	0.00055	7.65	0.97947	0.00058	7.35	0.98576	0.00062
8.30	0.97388	0.00057	7.70	0.98442	0.00059	7.40	0.98875	0.00063
8.35	0.97809	0.00055	7.75	0.98889	0.00059	7.45	0.99391	0.00059
8.40	0.98119	0.00055	7.80	0.99109	0.00057	7.50	0.99735	0.00061
8.45	0.98444	0.00053	7.85	0.99456	0.00058	7.55	1.00126	0.00062
8.50	0.98676	0.00054	7.90	0.99883	0.00060	7.60	1.00381	0.00060
8.55	0.99055	0.00052	7.95	1.00057	0.00057	7.65	1.00845	0.00063
8.60	0.99299	0.00054	8.00	1.00456	0.00059	7.70	1.01282	0.00059
8.65	0.99513	0.00054	8.05	1.00930	0.00058			
8.70	0.99897	0.00054	8.10	1.01080	0.00058			
8.75	1.00224	0.00053						
8.80	1.00488	0.00053						
8.85	1.00706	0.00054						
8.90	1.01035	0.00054						
8.95	1.01304	0.00052						
9.00	1.01595	0.00055						

75			100			150		
6.30	0.92231	0.00063	6.20	0.92221	0.00066	6.00	0.90259	0.00067
6.35	0.92666	0.00062	6.25	0.92736	0.00067	6.05	0.90952	0.00066
6.40	0.93178	0.00065	6.30	0.93187	0.00065	6.10	0.91334	0.00067
6.45	0.93710	0.00064	6.35	0.93632	0.00068	6.15	0.91714	0.00067
6.50	0.94209	0.00064	6.40	0.94177	0.00066	6.20	0.92399	0.00065
6.55	0.94658	0.00067	6.45	0.94666	0.00066	6.25	0.92887	0.00066
6.60	0.95228	0.00063	6.50	0.94951	0.00067	6.30	0.93351	0.00070
6.65	0.95616	0.00064	6.55	0.95616	0.00064	6.35	0.93674	0.00065
6.70	0.96090	0.00064	6.60	0.96126	0.00066	6.40	0.94293	0.00066
6.75	0.96502	0.00064	6.65	0.96524	0.00065	6.45	0.94848	0.00067
6.80	0.97089	0.00064	6.70	0.97009	0.00065	6.50	0.95177	0.00065

6.85	0.97468	0.00066
6.90	0.97806	0.00063
6.95	0.98282	0.00060
7.00	0.98642	0.00065
7.05	0.99140	0.00063
7.10	0.99513	0.00063
7.15	1.00072	0.00065
7.20	1.00356	0.00063
7.25	1.00809	0.00062
7.30	1.01229	0.00064

6.75	0.97547	0.00065
6.80	0.97957	0.00070
6.85	0.98484	0.00063
6.90	0.98878	0.00062
6.95	0.99348	0.00066
7.00	0.99598	0.00063
7.05	1.00136	0.00062
7.10	1.00498	0.00067
7.15	1.00933	0.00066
7.20	1.01375	0.00067

6.55	0.95774	0.00066
6.60	0.96224	0.00067
6.65	0.96604	0.00066
6.70	0.97041	0.00069
6.75	0.97526	0.00066
6.80	0.98021	0.00066
6.85	0.98213	0.00066
6.90	0.98760	0.00067
6.95	0.99217	0.00067
7.00	0.99680	0.00067
7.05	1.00135	0.00069
7.10	1.00437	0.00068
7.15	1.00814	0.00065
7.20	1.01229	0.00067

200

6.20	0.92001	0.00068
6.25	0.92404	0.00066
6.30	0.93027	0.00066
6.35	0.93305	0.00069
6.40	0.93756	0.00068
6.45	0.94071	0.00068
6.50	0.94752	0.00066
6.55	0.95075	0.00065
6.60	0.95551	0.00067
6.65	0.95978	0.00068
6.70	0.96528	0.00065
6.75	0.96934	0.00065
6.80	0.97288	0.00066
6.85	0.97909	0.00067
6.90	0.98107	0.00069
6.95	0.98672	0.00068
7.00	0.98920	0.00067
7.05	0.99288	0.00068
7.10	0.99807	0.00068
7.15	1.00264	0.00068
7.20	1.00597	0.00067
7.25	1.00902	0.00068
7.30	1.01388	0.00067

350

6.40	0.92580	0.00065
6.45	0.92938	0.00066
6.50	0.93243	0.00065
6.55	0.93857	0.00064
6.60	0.94227	0.00068
6.65	0.94613	0.00067
6.70	0.94870	0.00068
6.75	0.95404	0.00065
6.80	0.95912	0.00065
6.85	0.96107	0.00066
6.90	0.96630	0.00065
6.95	0.96929	0.00069
7.00	0.97322	0.00067
7.05	0.97816	0.00067
7.10	0.98198	0.00065
7.15	0.98496	0.00066
7.20	0.98888	0.00067
7.25	0.99182	0.00067
7.30	0.99532	0.00067
7.35	1.00110	0.00066
7.40	1.00302	0.00067

500

6.40	0.92226	0.00065
6.45	0.92531	0.00068
6.50	0.93066	0.00065
6.55	0.93430	0.00066
6.60	0.93721	0.00065
6.65	0.94144	0.00065
6.70	0.94559	0.00064
6.75	0.94941	0.00066
6.80	0.95321	0.00064
6.85	0.95600	0.00067
6.90	0.96202	0.00066
6.95	0.96465	0.00066
7.00	0.96987	0.00064
7.05	0.97279	0.00064
7.10	0.97700	0.00064
7.15	0.98056	0.00065
7.20	0.98377	0.00067
7.25	0.98722	0.00067
7.30	0.99204	0.00066
7.35	0.99315	0.00066
7.40	0.99709	0.00066
7.45	1.00037	0.00065
7.50	1.00291	0.00063
7.55	1.00718	0.00068
7.60	1.01060	0.00065

750

6.30	0.92146	0.00063
6.35	0.92467	0.00065
6.40	0.93008	0.00064
6.45	0.93328	0.00062
6.50	0.93660	0.00063
6.55	0.94178	0.00064
6.60	0.94476	0.00063
6.65	0.95120	0.00064
6.70	0.95338	0.00065
6.75	0.95723	0.00064

1000

6.00	0.91091	0.00062
6.05	0.91456	0.00062
6.10	0.92057	0.00065
6.15	0.92591	0.00063
6.20	0.92945	0.00064
6.25	0.93426	0.00061
6.30	0.93772	0.00064
6.35	0.94304	0.00060
6.40	0.94690	0.00066
6.45	0.95051	0.00064

1500

5.60	0.92136	0.00060
5.65	0.92302	0.00061
5.70	0.92922	0.00060
5.75	0.93459	0.00062
5.80	0.93902	0.00060
5.85	0.94348	0.00062
5.90	0.94866	0.00061
5.95	0.95432	0.00062
6.00	0.95804	0.00062
6.05	0.96248	0.00061

6.80	0.96172	0.00064
6.85	0.96484	0.00066
6.90	0.96756	0.00064
6.95	0.97366	0.00064
7.00	0.97569	0.00063
7.05	0.97855	0.00065
7.10	0.98289	0.00063
7.15	0.98676	0.00062
7.20	0.98845	0.00066
7.25	0.99292	0.00065
7.30	0.99582	0.00062
7.35	0.99936	0.00064
7.40	1.00429	0.00064
7.45	1.00763	0.00065
7.50	1.00969	0.00063

6.50	0.95458	0.00062
6.55	0.95987	0.00062
6.60	0.96175	0.00064
6.65	0.96591	0.00064
6.70	0.96990	0.00065
6.75	0.97315	0.00063
6.80	0.97796	0.00063
6.85	0.98178	0.00064
6.90	0.98428	0.00063
6.95	0.98943	0.00064
7.00	0.99143	0.00061
7.05	0.99698	0.00062
7.10	0.99882	0.00062
7.15	1.00335	0.00063
7.20	1.00616	0.00062

6.10	0.96717	0.00060
6.15	0.97112	0.00060
6.20	0.97553	0.00060
6.25	0.98074	0.00062
6.30	0.98449	0.00060
6.35	0.98941	0.00062
6.40	0.99229	0.00061
6.45	0.99756	0.00063
6.50	1.00139	0.00060
6.55	1.00435	0.00063
6.60	1.00836	0.00061

2000

5.00	0.90353	0.00061
5.05	0.90932	0.00061
5.10	0.91589	0.00060
5.15	0.92097	0.00062
5.20	0.92677	0.00057
5.25	0.93363	0.00059
5.30	0.93740	0.00059
5.35	0.94310	0.00059
5.40	0.94925	0.00059
5.45	0.95382	0.00060
5.50	0.96010	0.00060
5.55	0.96522	0.00060
5.60	0.96993	0.00060
5.65	0.97593	0.00059
5.70	0.98077	0.00059
5.75	0.98659	0.00062
5.80	0.98881	0.00062
5.85	0.99486	0.00059
5.90	1.00049	0.00059
5.95	1.00511	0.00061
6.00	1.01005	0.00060

2500

4.70	0.91485	0.00058
4.72	0.91776	0.00056
4.74	0.92097	0.00056
4.76	0.92266	0.00060
4.78	0.92522	0.00059
4.80	0.92709	0.00058
4.82	0.93042	0.00058
4.84	0.93318	0.00057
4.86	0.93606	0.00061
4.88	0.93861	0.00060
4.90	0.94034	0.00057
4.92	0.94325	0.00059
4.94	0.94590	0.00059
4.96	0.94853	0.00057
4.98	0.95103	0.00057
5.00	0.95240	0.00059
5.02	0.95509	0.00058
5.04	0.95780	0.00061
5.06	0.96047	0.00059
5.08	0.96272	0.00057
5.10	0.96550	0.00059
5.12	0.96751	0.00059
5.14	0.96986	0.00061
5.16	0.97327	0.00060
5.18	0.97428	0.00057
5.20	0.97664	0.00060
5.22	0.97915	0.00060
5.24	0.98175	0.00058
5.26	0.98322	0.00059
5.28	0.98593	0.00058
5.30	0.98831	0.00059
5.32	0.98987	0.00061
5.34	0.99246	0.00056
5.36	0.99540	0.00060
5.38	0.99717	0.00060
5.40	0.99954	0.00061
5.42	1.00135	0.00060
5.44	1.00403	0.00057
5.46	1.00510	0.00059
5.48	1.00810	0.00058
5.50	1.01053	0.00059

3000

4.40	0.92026	0.00059
4.42	0.92305	0.00058
4.44	0.92618	0.00055
4.46	0.92809	0.00061
4.48	0.93175	0.00059
4.50	0.93342	0.00058
4.52	0.93793	0.00058
4.54	0.94016	0.00058
4.56	0.94277	0.00060
4.58	0.94594	0.00058
4.60	0.94885	0.00059
4.62	0.94954	0.00059
4.64	0.95377	0.00061
4.66	0.95778	0.00059
4.68	0.96011	0.00056
4.70	0.96142	0.00058
4.72	0.96459	0.00059
4.74	0.96813	0.00057
4.76	0.97000	0.00060
4.78	0.97301	0.00058
4.80	0.97629	0.00061
4.82	0.97853	0.00057
4.84	0.97996	0.00058
4.86	0.98378	0.00057
4.88	0.98590	0.00059
4.90	0.98853	0.00057
4.92	0.99185	0.00058
4.94	0.99419	0.00061
4.96	0.99639	0.00060
4.98	0.99873	0.00056
5.00	1.00158	0.00060
5.02	1.00390	0.00058
5.04	1.00609	0.00058
5.06	1.00866	0.00059
5.08	1.01100	0.00059
5.10	1.01402	0.00058

4000			5000			7500		
3.80	0.90844	0.00056	3.40	0.90793	0.00056	2.70	0.90233	0.00055
3.82	0.91229	0.00057	3.42	0.91246	0.00056	2.72	0.90791	0.00053
3.84	0.91540	0.00057	3.44	0.91616	0.00055	2.74	0.91376	0.00053
3.86	0.91927	0.00058	3.46	0.91951	0.00057	2.76	0.91813	0.00054
3.88	0.92321	0.00057	3.48	0.92490	0.00056	2.78	0.92362	0.00053
3.90	0.92619	0.00055	3.50	0.92867	0.00053	2.80	0.92947	0.00053
3.92	0.92972	0.00056	3.52	0.93251	0.00056	2.82	0.93382	0.00053
3.94	0.93372	0.00058	3.54	0.93687	0.00057	2.84	0.93883	0.00052
3.96	0.93712	0.00057	3.56	0.94094	0.00056	2.86	0.94404	0.00054
3.98	0.94080	0.00056	3.58	0.94460	0.00055	2.88	0.94884	0.00057
4.00	0.94298	0.00056	3.60	0.94772	0.00054	2.90	0.95433	0.00056
4.02	0.94528	0.00057	3.62	0.95169	0.00056	2.92	0.95836	0.00055
4.04	0.94966	0.00060	3.64	0.95553	0.00055	2.94	0.96470	0.00053
4.06	0.95438	0.00056	3.66	0.95898	0.00057	2.96	0.96933	0.00053
4.08	0.95699	0.00058	3.68	0.96388	0.00059	2.98	0.97384	0.00053
4.10	0.96048	0.00056	3.70	0.96670	0.00058	3.00	0.97968	0.00055
4.12	0.96386	0.00058	3.72	0.97138	0.00057	3.02	0.98433	0.00055
4.14	0.96629	0.00056	3.74	0.97482	0.00055	3.04	0.98938	0.00055
4.16	0.96952	0.00059	3.76	0.97885	0.00056	3.06	0.99438	0.00054
4.18	0.97398	0.00056	3.78	0.98268	0.00057	3.08	0.99843	0.00055
4.20	0.97692	0.00058	3.80	0.98701	0.00057	3.10	1.00359	0.00055
4.22	0.98035	0.00058	3.82	0.98932	0.00058	3.12	1.00761	0.00055
4.24	0.98371	0.00058	3.84	0.99358	0.00055	3.14	1.01398	0.00055
4.26	0.98568	0.00056	3.86	0.99761	0.00057	3.16	1.01845	0.00057
4.28	0.98950	0.00059	3.88	1.00001	0.00056	3.18	1.02300	0.00053
4.30	0.99187	0.00058	3.90	1.00425	0.00057	3.20	1.02744	0.00054
4.32	0.99523	0.00059	3.92	1.00813	0.00058			
4.34	0.99913	0.00057	3.94	1.01288	0.00059			
4.36	1.00181	0.00058	3.96	1.01469	0.00056			
4.38	1.00521	0.00059	3.98	1.01860	0.00057			
4.40	1.00796	0.00059	4.00	1.02307	0.00059			

10000			15000			19600		
2.30	0.91951	0.00053	1.65	0.91681	0.00049	1.25	0.91461	0.00047
2.32	0.92607	0.00049	1.67	0.92428	0.00047	1.26	0.91914	0.00048
2.34	0.93163	0.00048	1.69	0.93243	0.00048	1.27	0.92419	0.00048
2.36	0.93818	0.00054	1.71	0.94015	0.00049	1.28	0.92976	0.00047
2.38	0.94429	0.00051	1.73	0.94827	0.00048	1.29	0.93442	0.00049
2.40	0.95082	0.00050	1.75	0.95582	0.00048	1.30	0.93881	0.00050
2.42	0.95647	0.00052	1.77	0.96421	0.00048	1.31	0.94454	0.00049
2.44	0.96347	0.00052	1.79	0.97246	0.00049	1.32	0.94961	0.00052
2.46	0.96780	0.00052	1.81	0.97917	0.00049	1.33	0.95375	0.00049
2.48	0.97398	0.00053	1.83	0.98727	0.00049	1.34	0.95996	0.00049
2.50	0.98083	0.00052	1.85	0.99468	0.00051	1.35	0.96474	0.00051
2.52	0.98668	0.00052	1.87	1.00214	0.00050	1.36	0.96941	0.00048
2.54	0.99305	0.00052	1.89	1.01058	0.00050	1.37	0.97331	0.00050
2.56	0.99830	0.00051	1.90	1.01379	0.00050	1.38	0.97882	0.00049
2.58	1.00355	0.00053				1.39	0.98429	0.00051
2.60	1.00930	0.00052				1.40	0.98956	0.00051
						1.41	0.99455	0.00048
						1.42	0.99817	0.00050
						1.43	1.00395	0.00050
						1.44	1.00854	0.00052
						1.45	1.01377	0.00051

sumtable.pu-pl-0800-01

10			11			12		
999.98	0.99157	0.00019	18.00	0.93939	0.00031	13.00	0.91572	0.00034
999.99	0.99157	0.00019	19.00	0.94751	0.00030	13.75	0.92794	0.00032
			20.00	0.95401	0.00029	14.50	0.93823	0.00033
			21.00	0.96029	0.00028	15.25	0.94750	0.00031
			22.00	0.96562	0.00028	16.00	0.95595	0.00032
			23.00	0.97023	0.00028	16.75	0.96343	0.00032
			24.00	0.97457	0.00026	17.50	0.97136	0.00031
			25.00	0.97828	0.00026	18.25	0.97726	0.00030
			26.00	0.98220	0.00025	19.00	0.98260	0.00030
			27.00	0.98596	0.00026	19.75	0.98805	0.00030
			28.00	0.98749	0.00026	20.50	0.99327	0.00030
			29.00	0.99072	0.00026	21.25	0.99715	0.00030
			30.00	0.99331	0.00027	22.00	1.00153	0.00028
			31.00	0.99516	0.00026	22.75	1.00515	0.00029
			32.00	0.99730	0.00025	23.50	1.00846	0.00028
			33.00	0.99980	0.00025	24.25	1.01184	0.00028
			34.00	1.00077	0.00024	25.00	1.01525	0.00028
			35.00	1.00216	0.00024	25.75	1.01725	0.00026
			36.00	1.00430	0.00024	26.50	1.01995	0.00028
			37.00	1.00569	0.00024	27.25	1.02292	0.00027
			38.00	1.00659	0.00023	28.00	1.02417	0.00027
			39.00	1.00824	0.00024	28.75	1.02661	0.00026
			40.00	1.00918	0.00024	29.50	1.02863	0.00027
						30.00	1.02962	0.00027

15			20			25		
9.90	0.92646	0.00041	7.00	0.89338	0.00045	6.60	0.92504	0.00051
10.10	0.93267	0.00040	7.25	0.90708	0.00048	6.65	0.92901	0.00049
10.30	0.93748	0.00040	7.50	0.92056	0.00044	6.70	0.93208	0.00050
10.50	0.94360	0.00039	7.75	0.93223	0.00044	6.75	0.93528	0.00052
10.70	0.94933	0.00039	8.00	0.94391	0.00047	6.80	0.93748	0.00050
10.90	0.95382	0.00039	8.25	0.95611	0.00045	6.85	0.94034	0.00051
11.10	0.95897	0.00039	8.50	0.96654	0.00046	6.90	0.94377	0.00050
11.30	0.96356	0.00040	8.75	0.97708	0.00046	6.95	0.94706	0.00051
11.50	0.96812	0.00039	9.00	0.98665	0.00045	7.00	0.94994	0.00051
11.70	0.97248	0.00037	9.25	0.99582	0.00046	7.05	0.95346	0.00049
11.90	0.97645	0.00038	9.50	1.00378	0.00044	7.10	0.95634	0.00051
12.10	0.98089	0.00036	9.75	1.01238	0.00043	7.15	0.95931	0.00046
12.30	0.98518	0.00038	10.00	1.02004	0.00044	7.20	0.96224	0.00050
12.50	0.98878	0.00037	10.25	1.02816	0.00043	7.25	0.96393	0.00049
12.70	0.99258	0.00037	10.50	1.03550	0.00043	7.30	0.96710	0.00051
12.90	0.99699	0.00038	10.75	1.04152	0.00043	7.35	0.97027	0.00049
13.10	1.00026	0.00037	11.00	1.04893	0.00045	7.40	0.97222	0.00050
13.20	1.00168	0.00036	11.25	1.05628	0.00043	7.45	0.97525	0.00047
			11.50	1.06185	0.00044	7.50	0.97824	0.00048
			11.75	1.06747	0.00043	7.55	0.98074	0.00049
			12.00	1.07366	0.00041	7.60	0.98280	0.00050
			12.25	1.07984	0.00043	7.65	0.98505	0.00049
			12.50	1.08459	0.00042	7.70	0.98792	0.00049
			12.75	1.08930	0.00041	7.75	0.99072	0.00049
			13.00	1.09431	0.00041	7.80	0.99301	0.00049
						7.85	0.99608	0.00048
						7.90	0.99725	0.00050
						7.95	0.99973	0.00049
						8.00	1.00248	0.00048
						8.05	1.00483	0.00048
						8.10	1.00689	0.00049

30			40			50		
6.00	0.92293	0.00053	5.40	0.92534	0.00059	5.00	0.91754	0.00059
6.05	0.92746	0.00054	5.45	0.92845	0.00057	5.05	0.92256	0.00057
6.10	0.93153	0.00052	5.50	0.93291	0.00057	5.10	0.92704	0.00059
6.15	0.93458	0.00054	5.55	0.93817	0.00057	5.15	0.93231	0.00060
6.20	0.93708	0.00053	5.60	0.94190	0.00058	5.20	0.93618	0.00059
6.25	0.94124	0.00055	5.65	0.94488	0.00059	5.25	0.93984	0.00059
6.30	0.94498	0.00053	5.70	0.95060	0.00056	5.30	0.94455	0.00060
6.35	0.94883	0.00053	5.75	0.95486	0.00055	5.40	0.95341	0.00060
6.40	0.95129	0.00051	5.80	0.95853	0.00055	5.45	0.95803	0.00061
6.45	0.95587	0.00052	5.85	0.96240	0.00057	5.50	0.96196	0.00059
6.50	0.95888	0.00053	5.90	0.96533	0.00059	5.55	0.96681	0.00060
6.55	0.96212	0.00051	5.95	0.97028	0.00054	5.60	0.97083	0.00058
6.60	0.96546	0.00052	6.00	0.97426	0.00057	5.65	0.97473	0.00059
6.65	0.96796	0.00051	6.05	0.97745	0.00058	5.70	0.97882	0.00059
6.70	0.97169	0.00052	6.10	0.98159	0.00056	5.75	0.98398	0.00058
6.75	0.97552	0.00053	6.15	0.98532	0.00057	5.80	0.98722	0.00059
6.85	0.98090	0.00053	6.20	0.98893	0.00058	5.85	0.99119	0.00058
6.90	0.98415	0.00053	6.25	0.99187	0.00056	5.90	0.99444	0.00058
6.95	0.98674	0.00052	6.30	0.99494	0.00056	5.95	0.99995	0.00057
7.00	0.99135	0.00055	6.35	1.00015	0.00057	6.00	1.00244	0.00060
7.05	0.99319	0.00052	6.40	1.00242	0.00058	6.05	1.00704	0.00059
7.10	0.99545	0.00054	6.45	1.00554	0.00057	6.10	1.01049	0.00057
7.15	0.99870	0.00050	6.50	1.00956	0.00058			
7.20	1.00195	0.00052						
7.25	1.00514	0.00052						
7.30	1.00765	0.00053						

75			100			150		
4.75	0.92740	0.00062	4.60	0.92275	0.00064	4.55	0.92225	0.00066
4.80	0.93100	0.00065	4.65	0.92888	0.00064	4.60	0.92770	0.00067
4.85	0.93624	0.00062	4.70	0.93401	0.00064	4.65	0.93184	0.00060
4.90	0.94125	0.00062	4.75	0.93937	0.00063	4.70	0.93591	0.00065
4.95	0.94592	0.00061	4.80	0.94329	0.00065	4.75	0.94240	0.00066
5.00	0.95050	0.00064	4.85	0.94710	0.00065	4.80	0.94575	0.00066
5.05	0.95572	0.00063	4.90	0.95240	0.00062	4.85	0.95192	0.00063
5.10	0.96093	0.00061	4.95	0.95706	0.00061	4.90	0.95597	0.00065
5.15	0.96536	0.00062	5.00	0.96239	0.00062	5.00	0.96476	0.00065
5.20	0.96920	0.00062	5.05	0.96681	0.00063	5.15	0.97807	0.00065
5.25	0.97310	0.00064	5.10	0.97167	0.00064	5.20	0.98265	0.00064
5.30	0.97923	0.00059	5.20	0.98031	0.00065	5.25	0.98728	0.00064
5.35	0.98317	0.00065	5.25	0.98523	0.00064	5.30	0.99144	0.00062
5.40	0.98796	0.00061	5.30	0.98945	0.00065	5.35	0.99575	0.00062
5.45	0.99183	0.00062	5.40	0.99714	0.00067	5.40	1.00026	0.00066
5.50	0.99765	0.00062	5.45	1.00248	0.00065	5.45	1.00393	0.00066
5.55	1.00032	0.00063	5.50	1.00661	0.00064	5.50	1.00733	0.00066
5.60	1.00518	0.00061						

200		
4.60	0.92266	0.00065
4.65	0.92774	0.00066
4.70	0.93263	0.00066
4.80	0.94223	0.00065
4.85	0.94770	0.00066
4.90	0.95167	0.00066
4.95	0.95612	0.00065
5.00	0.96080	0.00064
5.05	0.96423	0.00064
5.10	0.96934	0.00062
5.15	0.97294	0.00064
5.20	0.97738	0.00066
5.25	0.98265	0.00065
5.30	0.98497	0.00065
5.35	0.99115	0.00065
5.45	0.99815	0.00065
5.50	1.00208	0.00062
5.55	1.00539	0.00067
5.60	1.00934	0.00065

350		
4.70	0.92182	0.00066
4.75	0.92638	0.00066
4.80	0.92975	0.00066
4.90	0.93908	0.00063
4.95	0.94306	0.00063
5.00	0.94773	0.00065
5.05	0.95149	0.00066
5.10	0.95566	0.00065
5.15	0.95954	0.00065
5.20	0.96355	0.00068
5.25	0.96746	0.00063
5.30	0.97080	0.00064
5.35	0.97616	0.00064
5.40	0.97818	0.00064
5.45	0.98170	0.00065
5.50	0.98667	0.00065
5.55	0.99129	0.00065
5.60	0.99449	0.00068
5.65	0.99601	0.00066
5.75	1.00349	0.00067
5.80	1.00813	0.00066
5.85	1.01115	0.00064
5.90	1.01466	0.00064
5.95	1.01801	0.00063
6.00	1.02091	0.00065

500		
4.70	0.91789	0.00062
4.75	0.92208	0.00065
4.80	0.92773	0.00065
4.85	0.93046	0.00068
4.90	0.93480	0.00064
4.95	0.93908	0.00062
5.00	0.94303	0.00063
5.05	0.94697	0.00067
5.10	0.95020	0.00065
5.15	0.95495	0.00065
5.20	0.95786	0.00064
5.25	0.96139	0.00065
5.30	0.96666	0.00066
5.35	0.96989	0.00062
5.40	0.97307	0.00063
5.45	0.97725	0.00065
5.50	0.98123	0.00064
5.55	0.98430	0.00064
5.60	0.98861	0.00062
5.65	0.99264	0.00065
5.70	0.99437	0.00064
5.75	0.99887	0.00064
5.80	1.00176	0.00066
5.85	1.00446	0.00065
5.90	1.00827	0.00063
5.95	1.01223	0.00064
6.00	1.01369	0.00064

750		
4.70	0.92302	0.00063
4.75	0.92729	0.00063
4.80	0.93182	0.00063
4.85	0.93679	0.00066
4.90	0.94062	0.00065
4.95	0.94400	0.00064
5.00	0.94824	0.00063
5.05	0.95205	0.00065
5.10	0.95581	0.00064
5.15	0.96033	0.00065
5.20	0.96343	0.00065
5.25	0.96855	0.00061
5.30	0.97102	0.00064
5.35	0.97495	0.00065
5.40	0.97930	0.00063
5.45	0.98115	0.00061
5.50	0.98514	0.00061
5.55	0.98930	0.00062
5.60	0.99185	0.00065
5.65	0.99736	0.00063
5.70	1.00012	0.00063
5.75	1.00329	0.00064
5.80	1.00655	0.00062
5.85	1.00860	0.00063
5.90	1.01255	0.00065
5.95	1.01553	0.00064
6.00	1.01876	0.00063

1000		
4.50	0.92030	0.00063
4.55	0.92421	0.00060
4.60	0.92964	0.00063
4.65	0.93356	0.00063
4.70	0.93907	0.00062
4.75	0.94218	0.00062
4.80	0.94616	0.00063
4.85	0.95001	0.00063
4.90	0.95498	0.00063
4.95	0.95919	0.00061
5.00	0.96180	0.00061
5.05	0.96615	0.00061
5.10	0.97065	0.00064
5.15	0.97476	0.00063
5.20	0.97811	0.00063
5.25	0.98154	0.00062
5.30	0.98611	0.00063
5.35	0.98894	0.00065
5.40	0.99297	0.00061
5.45	0.99630	0.00062
5.50	0.99973	0.00063
5.55	1.00372	0.00063
5.60	1.00831	0.00062

1500		
4.00	0.91048	0.00062
4.05	0.91687	0.00064
4.10	0.92201	0.00060
4.15	0.92741	0.00061
4.20	0.93149	0.00060
4.25	0.93678	0.00059
4.30	0.94121	0.00059
4.35	0.94571	0.00061
4.40	0.95053	0.00062
4.45	0.95630	0.00062
4.50	0.96042	0.00062
4.55	0.96460	0.00064
4.60	0.96912	0.00060
4.65	0.97418	0.00061
4.70	0.97851	0.00062
4.75	0.98305	0.00064
4.80	0.98638	0.00061
4.85	0.98992	0.00064
4.90	0.99585	0.00061
4.95	1.00011	0.00061
5.00	1.00293	0.00063

2000			2500			3000		
3.70	0.92117	0.00060	3.30	0.91228	0.00060	3.00	0.90962	0.00061
3.75	0.92720	0.00057	3.32	0.91482	0.00059	3.02	0.91233	0.00060
3.80	0.93251	0.00060	3.34	0.91902	0.00061	3.04	0.91468	0.00057
3.85	0.93824	0.00061	3.36	0.92103	0.00060	3.06	0.91836	0.00057
3.90	0.94314	0.00059	3.38	0.92301	0.00058	3.08	0.92273	0.00061
3.95	0.94874	0.00061	3.40	0.92583	0.00060	3.10	0.92404	0.00059
4.00	0.95466	0.00060	3.42	0.92878	0.00060	3.12	0.92709	0.00060
4.05	0.96028	0.00062	3.44	0.93142	0.00061	3.14	0.93049	0.00061
4.10	0.96543	0.00061	3.46	0.93443	0.00062	3.16	0.93370	0.00060
4.15	0.97095	0.00059	3.48	0.93582	0.00062	3.18	0.93636	0.00059
4.20	0.97464	0.00061	3.50	0.93879	0.00061	3.20	0.93976	0.00059
4.25	0.98090	0.00059	3.52	0.94132	0.00060	3.22	0.94031	0.00059
4.30	0.98436	0.00062	3.54	0.94379	0.00060	3.24	0.94409	0.00061
4.35	0.99116	0.00062	3.56	0.94711	0.00061	3.26	0.94708	0.00060
4.40	0.99615	0.00062	3.58	0.94951	0.00063	3.28	0.95027	0.00059
4.45	1.00122	0.00061	3.60	0.95178	0.00060	3.30	0.95351	0.00062
4.50	1.00521	0.00062	3.62	0.95364	0.00062	3.32	0.95548	0.00060
			3.64	0.95691	0.00060	3.34	0.95827	0.00057
			3.66	0.95789	0.00063	3.36	0.96145	0.00060
			3.68	0.96127	0.00060	3.38	0.96493	0.00058
			3.70	0.96440	0.00059	3.40	0.96623	0.00060
			3.72	0.96614	0.00062	3.42	0.96924	0.00060
			3.74	0.96786	0.00059	3.48	0.97756	0.00060
			3.76	0.97141	0.00061	3.50	0.97999	0.00061
			3.78	0.97482	0.00060	3.52	0.98288	0.00061
			3.82	0.97796	0.00059	3.54	0.98593	0.00058
			3.84	0.97999	0.00060	3.56	0.98719	0.00059
			3.86	0.98281	0.00061	3.58	0.99082	0.00058
			3.88	0.98583	0.00059	3.60	0.99278	0.00061
			3.90	0.98856	0.00063	3.64	0.99821	0.00059
			3.92	0.98993	0.00060	3.66	1.00072	0.00061
			3.94	0.99301	0.00060	3.68	1.00354	0.00059
			3.96	0.99354	0.00062	3.70	1.00536	0.00059
			3.98	0.99599	0.00058			
			4.00	0.99882	0.00061			
			4.02	1.00045	0.00061			
			4.04	1.00254	0.00059			
			4.06	1.00511	0.00061			
			4.08	1.00772	0.00063			
			4.10	1.00982	0.00062			

4000			5000			7500		
2.60	0.91470	0.00061	2.30	0.91965	0.00058	1.75	0.91719	0.00059
2.62	0.91879	0.00060	2.32	0.92354	0.00055	1.77	0.92339	0.00059
2.64	0.92150	0.00056	2.34	0.92782	0.00057	1.79	0.92810	0.00058
2.68	0.92934	0.00058	2.36	0.93278	0.00059	1.81	0.93385	0.00056
2.70	0.93292	0.00057	2.38	0.93636	0.00060	1.83	0.93946	0.00059
2.72	0.93569	0.00059	2.40	0.94065	0.00059	1.85	0.94544	0.00060
2.74	0.93990	0.00059	2.42	0.94461	0.00060	1.87	0.95073	0.00059
2.76	0.94302	0.00060	2.44	0.94823	0.00060	1.89	0.95614	0.00058
2.78	0.94575	0.00062	2.46	0.95226	0.00058	1.91	0.96200	0.00058
2.80	0.94965	0.00059	2.48	0.95594	0.00059	1.93	0.96697	0.00059

2.84	0.95646	0.00060	2.50	0.95981	0.00060	1.95	0.97229	0.00059
2.86	0.96089	0.00060	2.52	0.96392	0.00056	1.97	0.97746	0.00059
2.88	0.96374	0.00058	2.54	0.96819	0.00058	1.99	0.98217	0.00061
2.90	0.96697	0.00059	2.58	0.97692	0.00060	2.01	0.98751	0.00062
2.92	0.97120	0.00060	2.60	0.97990	0.00061	2.03	0.99323	0.00060
2.94	0.97300	0.00062	2.62	0.98357	0.00060	2.05	0.99721	0.00059
2.96	0.97642	0.00059	2.64	0.98706	0.00059	2.07	1.00215	0.00061
3.00	0.98319	0.00061	2.66	0.99269	0.00057	2.09	1.00671	0.00057
3.02	0.98670	0.00061	2.68	0.99522	0.00058	2.10	1.01098	0.00059
3.04	0.99025	0.00062	2.70	0.99905	0.00059			
3.06	0.99358	0.00060	2.72	1.00289	0.00057			
3.08	0.99683	0.00060	2.74	1.00630	0.00062			
3.10	0.99964	0.00060	2.76	1.01039	0.00060			
3.12	1.00293	0.00060	2.78	1.01422	0.00061			
3.14	1.00516	0.00059	2.80	1.01738	0.00060			
3.16	1.00920	0.00062						
3.18	1.01169	0.00059						
3.20	1.01617	0.00058						

10000			15000			19600		
1.40	0.91399	0.00057	1.00	0.92307	0.00056	0.75	0.91231	0.00056
1.42	0.92173	0.00056	1.02	0.93219	0.00057	0.76	0.91928	0.00057
1.44	0.92842	0.00058	1.04	0.94275	0.00057	0.77	0.92703	0.00055
1.46	0.93529	0.00057	1.06	0.95256	0.00057	0.78	0.93170	0.00058
1.48	0.94198	0.00059	1.08	0.96101	0.00056	0.79	0.93778	0.00056
1.50	0.94870	0.00059	1.10	0.96957	0.00054	0.80	0.94469	0.00056
1.52	0.95535	0.00057	1.12	0.98103	0.00057	0.81	0.95120	0.00058
1.54	0.96307	0.00057	1.14	0.98847	0.00056	0.82	0.95715	0.00059
1.56	0.96811	0.00058	1.16	0.99892	0.00057	0.83	0.96274	0.00056
1.58	0.97625	0.00057	1.18	1.00709	0.00056	0.84	0.96857	0.00056
1.60	0.98074	0.00058	1.20	1.01652	0.00059	0.85	0.97500	0.00058
1.62	0.98767	0.00056				0.86	0.98101	0.00058
1.64	0.99442	0.00060				0.87	0.98584	0.00055
1.66	1.00129	0.00060				0.88	0.99272	0.00058
1.68	1.00779	0.00060				0.89	0.99910	0.00058
1.70	1.01299	0.00059				0.90	1.00380	0.00057

sumtable.pu-pl-0800-10

10			11			12		
999.98	0.99157	0.00019	16.00	0.93275	0.00029	12.00	0.91843	0.00033
999.99	0.99157	0.00019	17.00	0.94130	0.00030	12.25	0.92184	0.00031
			18.00	0.94807	0.00029	12.50	0.92587	0.00032
			19.00	0.95503	0.00028	12.75	0.93007	0.00032
			20.00	0.96130	0.00028	13.25	0.93725	0.00031
			21.00	0.96580	0.00027	13.50	0.93999	0.00031
			22.00	0.97133	0.00026	14.00	0.94653	0.00032
			23.00	0.97506	0.00027	14.25	0.94897	0.00032
			24.00	0.97901	0.00027	14.50	0.95254	0.00032
			25.00	0.98234	0.00026	14.75	0.95431	0.00030
			26.00	0.98553	0.00025	15.00	0.95719	0.00030
			27.00	0.98843	0.00025	15.50	0.96243	0.00029
			28.00	0.99085	0.00025	15.75	0.96517	0.00030
			29.00	0.99406	0.00025	16.00	0.96740	0.00031

30.00	0.99563	0.00025
31.00	0.99765	0.00025
33.00	1.00107	0.00024
34.00	1.00304	0.00023
35.00	1.00442	0.00023
36.00	1.00574	0.00024

16.25	0.97019	0.00030
16.50	0.97255	0.00030
16.75	0.97401	0.00030
17.00	0.97619	0.00029
17.25	0.97831	0.00029
17.50	0.98031	0.00030
17.75	0.98258	0.00029
18.00	0.98365	0.00029
18.25	0.98636	0.00029
18.50	0.98769	0.00028
18.75	0.98981	0.00029
19.00	0.99059	0.00031
19.25	0.99259	0.00028
19.75	0.99496	0.00029
20.00	0.99622	0.00029
20.25	0.99806	0.00029
20.50	0.99976	0.00028
20.75	1.00071	0.00028
21.00	1.00259	0.00028
21.25	1.00336	0.00027
21.75	1.00636	0.00027
22.00	1.00690	0.00028
22.25	1.00788	0.00027
22.50	1.00902	0.00028

15

8.00	0.90173	0.00038
8.40	0.91558	0.00037
8.60	0.92223	0.00038
8.80	0.92774	0.00037
9.00	0.93352	0.00037
9.20	0.93973	0.00037
9.40	0.94527	0.00037
9.60	0.95012	0.00038
10.00	0.95950	0.00036
10.20	0.96560	0.00037
10.40	0.96955	0.00037
10.60	0.97406	0.00037
10.80	0.97815	0.00035
11.00	0.98282	0.00037
11.20	0.98636	0.00036
11.40	0.99019	0.00036
11.60	0.99427	0.00036
11.80	0.99813	0.00036
12.00	1.00135	0.00037
12.20	1.00460	0.00036
12.40	1.00760	0.00033
12.60	1.01149	0.00034
13.00	1.01719	0.00035

20

6.40	0.92432	0.00045
6.45	0.92652	0.00045
6.50	0.92910	0.00043
6.55	0.93131	0.00040
6.60	0.93363	0.00043
6.65	0.93638	0.00044
6.75	0.94132	0.00044
6.80	0.94350	0.00042
6.85	0.94586	0.00042
6.90	0.94792	0.00041
6.95	0.95044	0.00043
7.00	0.95240	0.00045
7.05	0.95539	0.00044
7.10	0.95775	0.00043
7.20	0.96094	0.00043
7.25	0.96399	0.00044
7.30	0.96569	0.00043
7.35	0.96820	0.00043
7.40	0.96991	0.00041
7.45	0.97229	0.00042
7.55	0.97630	0.00041
7.60	0.97833	0.00043
7.65	0.98007	0.00043
7.70	0.98174	0.00042
7.75	0.98422	0.00041
7.80	0.98672	0.00043
7.85	0.98745	0.00044
7.90	0.98975	0.00042
7.95	0.99082	0.00042
8.00	0.99382	0.00042
8.05	0.99555	0.00042
8.10	0.99657	0.00042
8.15	0.99896	0.00041
8.20	1.00169	0.00043
8.25	1.00255	0.00043
8.30	1.00412	0.00041

25

5.40	0.92584	0.00047
5.45	0.92896	0.00047
5.50	0.93200	0.00046
5.55	0.93555	0.00047
5.60	0.93768	0.00046
5.65	0.94110	0.00045
5.70	0.94409	0.00046
5.85	0.95345	0.00046
5.90	0.95636	0.00047
5.95	0.95977	0.00046
6.00	0.96166	0.00046
6.05	0.96543	0.00046
6.10	0.96782	0.00047
6.20	0.97295	0.00045
6.25	0.97472	0.00046
6.30	0.97931	0.00047
6.35	0.98137	0.00047
6.40	0.98448	0.00044
6.45	0.98740	0.00047
6.50	0.99026	0.00045
6.60	0.99423	0.00046
6.65	0.99625	0.00046
6.70	1.00003	0.00046
6.75	1.00185	0.00046
6.80	1.00394	0.00046
6.85	1.00657	0.00046
6.90	1.00910	0.00048
6.95	1.01188	0.00047
7.00	1.01447	0.00047

30			40			50		
4.80	0.92413	0.00049	4.00	0.91436	0.00054	3.70	0.91862	0.00054
4.85	0.92897	0.00052	4.05	0.91834	0.00054	3.75	0.92434	0.00054
4.90	0.93318	0.00047	4.10	0.92354	0.00054	3.80	0.92895	0.00056
4.95	0.93688	0.00048	4.15	0.92788	0.00050	3.85	0.93379	0.00055
5.00	0.94085	0.00049	4.20	0.93202	0.00053	3.90	0.93869	0.00056
5.05	0.94463	0.00050	4.25	0.93598	0.00052	3.95	0.94356	0.00054
5.10	0.94745	0.00050	4.30	0.94004	0.00053	4.00	0.94805	0.00057
5.15	0.95091	0.00049	4.35	0.94506	0.00053	4.05	0.95246	0.00055
5.20	0.95413	0.00049	4.40	0.94918	0.00051	4.10	0.95794	0.00055
5.25	0.95803	0.00048	4.45	0.95273	0.00053	4.15	0.96146	0.00054
5.30	0.96209	0.00049	4.50	0.95719	0.00055	4.20	0.96529	0.00054
5.35	0.96446	0.00049	4.55	0.96144	0.00050	4.25	0.97088	0.00055
5.40	0.96843	0.00050	4.60	0.96554	0.00054	4.30	0.97442	0.00055
5.45	0.97121	0.00050	4.65	0.96911	0.00053	4.35	0.97912	0.00052
5.50	0.97482	0.00051	4.70	0.97412	0.00054	4.40	0.98301	0.00054
5.55	0.97766	0.00049	4.75	0.97766	0.00051	4.45	0.98661	0.00053
5.60	0.98123	0.00049	4.80	0.98010	0.00054	4.50	0.99208	0.00054
5.65	0.98388	0.00049	4.85	0.98550	0.00053	4.55	0.99528	0.00058
5.70	0.98742	0.00048	4.90	0.98858	0.00053	4.60	0.99911	0.00058
5.75	0.98995	0.00050	4.95	0.99197	0.00052	4.65	1.00340	0.00052
5.80	0.99355	0.00050	5.00	0.99541	0.00052	4.70	1.00614	0.00055
5.85	0.99671	0.00049	5.05	0.99981	0.00053			
5.90	0.99940	0.00049	5.10	1.00332	0.00051			
5.95	1.00206	0.00050	5.15	1.00734	0.00053			
6.00	1.00486	0.00049	5.20	1.00948	0.00052			

75			100			150		
3.30	0.92313	0.00058	3.00	0.91144	0.00057	3.00	0.92891	0.00060
3.35	0.92755	0.00059	3.05	0.91682	0.00058	3.05	0.93403	0.00060
3.40	0.93330	0.00057	3.10	0.92215	0.00059	3.10	0.93814	0.00062
3.45	0.93848	0.00057	3.15	0.92837	0.00058	3.15	0.94531	0.00060
3.50	0.94336	0.00057	3.20	0.93253	0.00057	3.20	0.95007	0.00059
3.55	0.94942	0.00058	3.25	0.93779	0.00059	3.25	0.95318	0.00059
3.60	0.95403	0.00059	3.30	0.94353	0.00058	3.30	0.95767	0.00058
3.70	0.96384	0.00056	3.35	0.94850	0.00059	3.35	0.96304	0.00060
3.75	0.96875	0.00057	3.40	0.95275	0.00058	3.40	0.96847	0.00059
3.80	0.97284	0.00057	3.45	0.95871	0.00060	3.45	0.97301	0.00057
3.85	0.97769	0.00060	3.50	0.96329	0.00061	3.50	0.97818	0.00061
3.90	0.98256	0.00060	3.55	0.96846	0.00060	3.55	0.98296	0.00060
3.95	0.98634	0.00058	3.60	0.97364	0.00060	3.60	0.98572	0.00058
4.00	0.99128	0.00057	3.65	0.97845	0.00060	3.65	0.99118	0.00056
4.05	0.99663	0.00058	3.70	0.98165	0.00058	3.70	0.99498	0.00060
4.10	1.00048	0.00056	3.75	0.98675	0.00058	3.75	0.99951	0.00059
4.15	1.00473	0.00057	3.80	0.99083	0.00059	3.80	1.00413	0.00060
4.20	1.00868	0.00059	3.85	0.99582	0.00057			
			3.90	1.00088	0.00058			
			3.95	1.00489	0.00060			
			4.00	1.00855	0.00059			

200		
2.90	0.92340	0.00061
2.95	0.92827	0.00060
3.00	0.93486	0.00060
3.05	0.93776	0.00058
3.10	0.94183	0.00062
3.15	0.94792	0.00062
3.20	0.95289	0.00059
3.25	0.95736	0.00059
3.30	0.96123	0.00063
3.35	0.96688	0.00061
3.40	0.97216	0.00063
3.45	0.97563	0.00062
3.50	0.97962	0.00062
3.55	0.98425	0.00062
3.60	0.98831	0.00059
3.65	0.99277	0.00060
3.70	0.99663	0.00058
3.75	1.00155	0.00060
3.80	1.00559	0.00060

350		
2.90	0.92529	0.00062
2.95	0.93016	0.00061
3.00	0.93551	0.00061
3.05	0.94071	0.00059
3.10	0.94462	0.00059
3.15	0.94884	0.00060
3.20	0.95284	0.00063
3.25	0.95700	0.00060
3.30	0.96160	0.00059
3.35	0.96529	0.00062
3.40	0.97018	0.00061
3.45	0.97403	0.00063
3.50	0.97817	0.00060
3.55	0.98291	0.00058
3.60	0.98514	0.00058
3.65	0.99071	0.00060
3.70	0.99439	0.00063
3.75	0.99777	0.00062
3.80	1.00102	0.00060
3.85	1.00471	0.00062
3.90	1.00920	0.00061
3.95	1.01278	0.00061
4.00	1.01573	0.00058

500		
2.80	0.91800	0.00059
2.85	0.92219	0.00060
2.90	0.92794	0.00062
2.95	0.93224	0.00059
3.00	0.93714	0.00062
3.05	0.94079	0.00058
3.10	0.94572	0.00058
3.15	0.94942	0.00058
3.20	0.95378	0.00060
3.25	0.95675	0.00061
3.30	0.96114	0.00059
3.35	0.96587	0.00057
3.40	0.96926	0.00061
3.45	0.97412	0.00062
3.50	0.97718	0.00061
3.55	0.98018	0.00061
3.60	0.98510	0.00060
3.65	0.98865	0.00058
3.70	0.99149	0.00062
3.75	0.99588	0.00063
3.80	0.99896	0.00058
3.85	1.00401	0.00059
3.90	1.00740	0.00060
3.95	1.01107	0.00059
4.00	1.01341	0.00060

750		
2.70	0.91691	0.00059
2.75	0.92178	0.00060
2.80	0.92717	0.00061
2.85	0.93021	0.00059
2.90	0.93651	0.00059
2.95	0.94005	0.00060
3.00	0.94496	0.00061
3.05	0.94839	0.00058
3.10	0.95216	0.00062
3.15	0.95750	0.00059
3.20	0.95965	0.00059
3.25	0.96455	0.00062
3.30	0.96860	0.00057
3.35	0.97269	0.00062
3.40	0.97704	0.00061
3.45	0.98144	0.00061
3.50	0.98414	0.00062
3.55	0.98784	0.00059
3.60	0.99264	0.00058
3.65	0.99459	0.00060
3.70	0.99773	0.00059
3.75	1.00271	0.00061
3.80	1.00612	0.00062
3.85	1.00769	0.00060
3.90	1.01279	0.00060
3.95	1.01551	0.00059
4.00	1.01835	0.00060

1000		
2.60	0.92043	0.00059
2.65	0.92542	0.00060
2.70	0.93031	0.00057
2.75	0.93469	0.00060
2.80	0.93853	0.00060
2.85	0.94467	0.00060
2.90	0.94753	0.00058
2.95	0.95272	0.00060
3.00	0.95652	0.00058
3.05	0.96100	0.00058
3.10	0.96607	0.00058
3.15	0.96973	0.00059
3.20	0.97355	0.00059
3.25	0.97774	0.00056
3.30	0.98132	0.00058
3.35	0.98640	0.00059
3.40	0.98905	0.00058
3.45	0.99298	0.00059
3.50	0.99684	0.00057
3.55	1.00006	0.00058
3.60	1.00421	0.00059

1500		
2.30	0.91955	0.00059
2.35	0.92500	0.00059
2.40	0.93065	0.00058
2.45	0.93669	0.00059
2.50	0.94121	0.00057
2.55	0.94585	0.00060
2.60	0.95155	0.00059
2.65	0.95593	0.00060
2.70	0.96078	0.00059
2.75	0.96611	0.00058
2.80	0.97019	0.00058
2.85	0.97537	0.00059
2.90	0.97985	0.00058
2.95	0.98516	0.00059
3.00	0.98898	0.00058
3.05	0.99308	0.00061
3.10	0.99777	0.00058
3.15	1.00135	0.00060
3.20	1.00585	0.00062

2000			2500			3000		
2.00	0.91501	0.00058	1.80	0.91757	0.00059	1.60	0.91355	0.00057
2.02	0.91653	0.00057	1.82	0.92017	0.00056	1.62	0.91725	0.00055
2.04	0.91976	0.00058	1.84	0.92274	0.00055	1.64	0.92097	0.00057
2.06	0.92254	0.00058	1.86	0.92541	0.00055	1.66	0.92320	0.00058
2.08	0.92490	0.00057	1.88	0.92879	0.00059	1.68	0.92655	0.00056
2.10	0.92745	0.00057	1.90	0.93032	0.00055	1.70	0.92981	0.00056
2.12	0.92990	0.00058	1.92	0.93383	0.00058	1.72	0.93274	0.00059
2.14	0.93267	0.00057	1.94	0.93674	0.00057	1.74	0.93672	0.00059
2.16	0.93487	0.00061	1.96	0.93991	0.00056	1.76	0.93949	0.00056
2.18	0.93775	0.00056	1.98	0.94214	0.00056	1.78	0.94201	0.00057
2.20	0.94038	0.00057	2.00	0.94556	0.00057	1.80	0.94554	0.00056
2.22	0.94075	0.00057	2.02	0.94771	0.00056	1.82	0.94753	0.00058
2.24	0.94460	0.00057	2.04	0.95004	0.00056	1.84	0.95106	0.00060
2.26	0.94668	0.00058	2.06	0.95347	0.00057	1.86	0.95430	0.00058
2.28	0.95005	0.00059	2.08	0.95562	0.00056	1.88	0.95774	0.00058
2.30	0.95066	0.00055	2.10	0.95814	0.00055	1.90	0.96110	0.00056
2.32	0.95286	0.00056	2.12	0.96112	0.00057	1.92	0.96318	0.00056
2.34	0.95556	0.00057	2.14	0.96368	0.00057	1.94	0.96527	0.00058
2.36	0.95809	0.00059	2.16	0.96628	0.00059	1.96	0.96879	0.00056
2.38	0.96100	0.00057	2.18	0.96859	0.00056	1.98	0.97177	0.00058
2.40	0.96365	0.00056	2.20	0.97122	0.00057	2.00	0.97428	0.00055
2.42	0.96449	0.00057	2.22	0.97507	0.00058	2.02	0.97827	0.00058
2.44	0.96788	0.00059	2.24	0.97676	0.00058	2.04	0.98043	0.00056
2.46	0.96878	0.00060	2.26	0.97922	0.00058	2.06	0.98383	0.00059
2.48	0.97138	0.00058	2.28	0.98081	0.00057	2.08	0.98523	0.00057
2.50	0.97363	0.00057	2.30	0.98401	0.00055	2.10	0.98953	0.00055
2.52	0.97615	0.00060	2.32	0.98611	0.00058	2.12	0.99162	0.00057
2.54	0.97816	0.00060	2.34	0.98839	0.00057	2.14	0.99409	0.00057
2.56	0.98013	0.00057	2.36	0.99079	0.00055	2.16	0.99725	0.00058
2.58	0.98271	0.00057	2.38	0.99335	0.00056	2.18	1.00040	0.00057
2.60	0.98414	0.00058	2.40	0.99557	0.00058	2.20	1.00246	0.00060
2.62	0.98716	0.00058	2.42	0.99756	0.00057	2.22	1.00458	0.00058
2.64	0.98950	0.00060	2.44	1.00037	0.00058	2.24	1.00777	0.00059
2.66	0.99154	0.00057	2.46	1.00287	0.00057	2.26	1.00980	0.00056
2.68	0.99253	0.00059	2.48	1.00541	0.00057	2.28	1.01393	0.00055
2.70	0.99541	0.00058	2.50	1.00749	0.00058	2.30	1.01566	0.00056
2.72	0.99755	0.00059						
2.74	0.99827	0.00058						
2.76	1.00104	0.00056						
2.78	1.00304	0.00058						
2.80	1.00491	0.00058						

4000			5000			7500		
1.40	0.92712	0.00055	1.15	0.91703	0.00057	0.80	0.90699	0.00055
1.42	0.93157	0.00059	1.17	0.92210	0.00056	0.82	0.91447	0.00055
1.44	0.93539	0.00058	1.19	0.92661	0.00055	0.84	0.91976	0.00057
1.46	0.93895	0.00059	1.21	0.93138	0.00056	0.86	0.92615	0.00056
1.48	0.94337	0.00059	1.23	0.93628	0.00059	0.88	0.93388	0.00055
1.50	0.94648	0.00057	1.25	0.94030	0.00055	0.90	0.93924	0.00057
1.52	0.95067	0.00055	1.27	0.94510	0.00058	0.92	0.94561	0.00057
1.54	0.95395	0.00055	1.29	0.94892	0.00058	0.94	0.95213	0.00060
1.56	0.95936	0.00057	1.31	0.95478	0.00056	0.96	0.95822	0.00058
1.58	0.96121	0.00058	1.33	0.95736	0.00059	0.98	0.96427	0.00056
1.60	0.96511	0.00059	1.35	0.96382	0.00057	1.00	0.96981	0.00057

1.62	0.96843	0.00056	1.37	0.96701	0.00057	1.02	0.97594	0.00056
1.64	0.97315	0.00057	1.39	0.97120	0.00059	1.04	0.98261	0.00058
1.66	0.97593	0.00057	1.41	0.97525	0.00058	1.06	0.98771	0.00057
1.68	0.97932	0.00056	1.43	0.97945	0.00058	1.08	0.99310	0.00055
1.70	0.98318	0.00059	1.45	0.98382	0.00059	1.10	0.99934	0.00056
1.72	0.98752	0.00055	1.47	0.98740	0.00058	1.12	1.00434	0.00056
1.74	0.99079	0.00058	1.49	0.99103	0.00056	1.14	1.01002	0.00057
1.76	0.99347	0.00058	1.51	0.99611	0.00057	1.16	1.01587	0.00058
1.78	0.99635	0.00058	1.53	1.00010	0.00057	1.18	1.02137	0.00058
1.80	0.99983	0.00056	1.55	1.00369	0.00055	1.20	1.02639	0.00057
1.82	1.00347	0.00059	1.57	1.00798	0.00056			
1.84	1.00806	0.00057	1.59	1.01181	0.00058			
1.86	1.00972	0.00058	1.60	1.01459	0.00059			
1.88	1.01359	0.00057						
1.90	1.01569	0.00059						
1.92	1.01965	0.00058						
1.94	1.02348	0.00058						
1.96	1.02612	0.00058						
1.98	1.02993	0.00054						
2.00	1.03161	0.00056						

10000			15000			19600		
0.65	0.92071	0.00056	0.45	0.92719	0.00057	0.30	0.89383	0.00055
0.67	0.92876	0.00056	0.46	0.93353	0.00057	0.31	0.90165	0.00057
0.69	0.93611	0.00057	0.47	0.93960	0.00057	0.32	0.90926	0.00055
0.71	0.94497	0.00057	0.48	0.94478	0.00056	0.33	0.91823	0.00056
0.73	0.95278	0.00056	0.49	0.95074	0.00055	0.34	0.92595	0.00058
0.75	0.96046	0.00056	0.50	0.95709	0.00057	0.35	0.93447	0.00056
0.77	0.96778	0.00056	0.51	0.96242	0.00057	0.36	0.94095	0.00056
0.79	0.97542	0.00058	0.52	0.96815	0.00058	0.37	0.95064	0.00057
0.81	0.98277	0.00058	0.53	0.97330	0.00057	0.38	0.95735	0.00056
0.83	0.98947	0.00056	0.54	0.98006	0.00057	0.39	0.96530	0.00056
0.85	0.99741	0.00054	0.55	0.98488	0.00060	0.40	0.97184	0.00058
0.87	1.00519	0.00057	0.56	0.99085	0.00057	0.41	0.97989	0.00057
0.89	1.01358	0.00057	0.57	0.99572	0.00056	0.42	0.98798	0.00058
0.90	1.01678	0.00057	0.58	1.00141	0.00057	0.43	0.99454	0.00059
			0.59	1.00744	0.00056	0.44	1.00187	0.00058
			0.60	1.01253	0.00058	0.45	1.00919	0.00057

sumtable.pu-pl-0850-00

10			11			12		
14.00	0.87477	0.00032	14.00	0.91187	0.00034	13.00	0.92560	0.00038
15.00	0.89099	0.00032	14.25	0.91697	0.00032	13.25	0.93088	0.00036
16.00	0.90441	0.00030	14.50	0.92096	0.00032	13.50	0.93661	0.00035
17.00	0.91688	0.00029	14.75	0.92540	0.00033	13.75	0.94116	0.00034
18.00	0.92708	0.00030	15.00	0.92924	0.00032	14.00	0.94631	0.00036
19.00	0.93712	0.00030	15.25	0.93240	0.00033	14.25	0.95113	0.00036
20.00	0.94387	0.00029	15.50	0.93637	0.00033	14.50	0.95481	0.00034
21.00	0.95135	0.00028	15.75	0.94050	0.00032	14.75	0.95956	0.00033
22.00	0.95813	0.00028	16.00	0.94281	0.00031	15.00	0.96395	0.00034
23.00	0.96415	0.00028	16.25	0.94756	0.00032	15.25	0.96806	0.00034
24.00	0.96920	0.00027	16.50	0.95021	0.00031	15.50	0.97040	0.00034
25.00	0.97368	0.00026	16.75	0.95350	0.00033	15.75	0.97561	0.00034

26.00	0.97745	0.00026
27.00	0.98131	0.00026
28.00	0.98518	0.00025
29.00	0.98762	0.00026
30.00	0.99028	0.00024
31.00	0.99374	0.00025
32.00	0.99536	0.00024
33.00	0.99841	0.00023
34.00	1.00028	0.00024
35.00	1.00225	0.00024
36.00	1.00383	0.00023
37.00	1.00504	0.00024
38.00	1.00655	0.00024
39.00	1.00776	0.00024
40.00	1.00937	0.00022

17.00	0.95588	0.00033
17.25	0.95926	0.00032
17.50	0.96188	0.00032
17.75	0.96497	0.00032
18.00	0.96658	0.00031
18.25	0.97000	0.00031
18.50	0.97255	0.00031
18.75	0.97409	0.00031
19.00	0.97717	0.00030
19.25	0.97885	0.00029
19.50	0.98094	0.00030
19.75	0.98336	0.00029
20.00	0.98519	0.00030
20.25	0.98709	0.00029
20.50	0.98887	0.00029
20.75	0.99089	0.00029
21.00	0.99272	0.00029
21.25	0.99483	0.00029
21.50	0.99572	0.00030
21.75	0.99774	0.00029
22.00	0.99924	0.00028
22.25	1.00046	0.00029
22.50	1.00209	0.00028
22.75	1.00323	0.00029
23.00	1.00564	0.00028

16.00	0.97928	0.00032
16.25	0.98226	0.00034
16.50	0.98532	0.00034
16.75	0.98865	0.00032
17.00	0.99155	0.00033
17.25	0.99437	0.00033
17.50	0.99656	0.00032
17.75	1.00061	0.00033
18.00	1.00298	0.00033
18.25	1.00511	0.00032
18.50	1.00758	0.00032
18.75	1.00986	0.00031
19.00	1.01305	0.00032
19.25	1.01465	0.00032
19.50	1.01747	0.00031
19.75	1.01980	0.00031
20.00	1.02014	0.00031

15		
10.00	0.91478	0.00043
10.10	0.91841	0.00042
10.20	0.92275	0.00044
10.30	0.92635	0.00042
10.40	0.93011	0.00043
10.50	0.93461	0.00042
10.60	0.93787	0.00042
10.70	0.94123	0.00042
10.80	0.94458	0.00041
10.90	0.94876	0.00040
11.00	0.95157	0.00042
11.10	0.95391	0.00042
11.20	0.95929	0.00041
11.30	0.96213	0.00042
11.40	0.96494	0.00040
11.50	0.96774	0.00042
11.60	0.96990	0.00042
11.70	0.97423	0.00041
11.80	0.97604	0.00040
11.90	0.97968	0.00041
12.00	0.98214	0.00041
12.10	0.98545	0.00042
12.20	0.98839	0.00040
12.30	0.99144	0.00039
12.40	0.99371	0.00040
12.50	0.99612	0.00039
12.60	0.99860	0.00040
12.70	1.00056	0.00039
12.80	1.00413	0.00039
12.90	1.00655	0.00041
13.00	1.00831	0.00041

20		
8.40	0.92202	0.00049
8.45	0.92514	0.00050
8.50	0.92800	0.00049
8.55	0.93049	0.00050
8.60	0.93380	0.00049
8.65	0.93556	0.00049
8.70	0.93917	0.00048
8.75	0.94207	0.00049
8.80	0.94517	0.00048
8.85	0.94724	0.00048
8.90	0.95102	0.00049
8.95	0.95262	0.00047
9.00	0.95593	0.00049
9.05	0.95814	0.00049
9.10	0.96100	0.00047
9.15	0.96408	0.00047
9.20	0.96623	0.00048
9.25	0.96905	0.00049
9.30	0.97114	0.00047
9.35	0.97323	0.00050
9.40	0.97599	0.00048
9.45	0.97850	0.00046
9.50	0.98124	0.00048
9.55	0.98402	0.00046
9.60	0.98619	0.00047
9.65	0.98800	0.00045
9.70	0.99054	0.00050
9.75	0.99261	0.00048
9.80	0.99531	0.00047
9.85	0.99698	0.00049
9.90	0.99959	0.00047
9.95	1.00120	0.00047
10.00	1.00379	0.00049
10.05	1.00630	0.00047
10.10	1.00834	0.00048

25		
7.50	0.91608	0.00051
7.55	0.92102	0.00052
7.60	0.92372	0.00052
7.65	0.92785	0.00053
7.70	0.93106	0.00053
7.75	0.93521	0.00054
7.80	0.93899	0.00052
7.85	0.94229	0.00054
7.90	0.94584	0.00053
7.95	0.95046	0.00053
8.00	0.95243	0.00052
8.05	0.95595	0.00054
8.10	0.95968	0.00053
8.15	0.96266	0.00054
8.20	0.96637	0.00052
8.25	0.96936	0.00053
8.30	0.97278	0.00052
8.35	0.97637	0.00052
8.40	0.97884	0.00051
8.45	0.98121	0.00053
8.50	0.98466	0.00052
8.55	0.98820	0.00051
8.60	0.99048	0.00051
8.65	0.99446	0.00053
8.70	0.99687	0.00052
8.75	1.00047	0.00051
8.80	1.00329	0.00054
8.85	1.00529	0.00052
8.90	1.00846	0.00052
8.95	1.01174	0.00054
9.00	1.01457	0.00050

30			40			50		
7.00	0.91425	0.00055	6.50	0.91688	0.00058	6.20	0.91254	0.00064
7.05	0.91895	0.00057	6.55	0.92142	0.00059	6.25	0.91909	0.00061
7.10	0.92364	0.00055	6.60	0.92589	0.00060	6.30	0.92421	0.00061
7.15	0.92714	0.00057	6.65	0.93088	0.00060	6.35	0.92926	0.00062
7.20	0.93101	0.00056	6.70	0.93540	0.00057	6.40	0.93315	0.00063
7.25	0.93612	0.00057	6.75	0.94035	0.00060	6.45	0.94008	0.00062
7.30	0.93992	0.00055	6.80	0.94539	0.00059	6.50	0.94406	0.00062
7.35	0.94431	0.00056	6.85	0.94970	0.00058	6.55	0.94955	0.00064
7.40	0.94725	0.00055	6.90	0.95460	0.00056	6.60	0.95415	0.00059
7.45	0.95225	0.00056	6.95	0.95896	0.00058	6.65	0.95897	0.00063
7.50	0.95501	0.00057	7.00	0.96289	0.00061	6.70	0.96266	0.00060
7.55	0.95970	0.00055	7.05	0.96702	0.00060	6.75	0.96857	0.00061
7.60	0.96339	0.00056	7.10	0.97228	0.00059	6.80	0.97321	0.00064
7.65	0.96700	0.00056	7.15	0.97662	0.00059	6.85	0.97810	0.00062
7.70	0.96987	0.00057	7.20	0.98019	0.00061	6.90	0.98243	0.00061
7.75	0.97426	0.00055	7.25	0.98476	0.00058	6.95	0.98698	0.00063
7.80	0.97776	0.00057	7.30	0.98892	0.00060	7.00	0.99157	0.00060
7.85	0.98138	0.00054	7.35	0.99286	0.00058	7.05	0.99728	0.00063
7.90	0.98506	0.00056	7.40	0.99854	0.00059	7.10	1.00063	0.00062
7.95	0.98929	0.00054	7.45	1.00158	0.00056	7.15	1.00479	0.00060
8.00	0.99161	0.00054	7.50	1.00538	0.00059	7.20	1.00858	0.00062
8.05	0.99542	0.00056						
8.10	0.99919	0.00055						
8.15	1.00234	0.00057						
8.20	1.00684	0.00054						

75			100			150		
6.00	0.92273	0.00067	5.90	0.92277	0.00064	5.80	0.91458	0.00067
6.05	0.92781	0.00065	5.95	0.92707	0.00065	5.85	0.91953	0.00068
6.10	0.93303	0.00066	6.00	0.93312	0.00064	5.90	0.92560	0.00066
6.15	0.93933	0.00064	6.05	0.93830	0.00066	5.95	0.93108	0.00067
6.20	0.94455	0.00064	6.10	0.94395	0.00065	6.00	0.93578	0.00068
6.25	0.94869	0.00065	6.15	0.94995	0.00067	6.05	0.94105	0.00066
6.30	0.95496	0.00065	6.20	0.95478	0.00067	6.10	0.94700	0.00068
6.35	0.96128	0.00063	6.25	0.96009	0.00065	6.15	0.95253	0.00067
6.40	0.96626	0.00067	6.30	0.96587	0.00067	6.20	0.95729	0.00065
6.45	0.97072	0.00065	6.35	0.97107	0.00067	6.25	0.96261	0.00064
6.50	0.97672	0.00065	6.40	0.97596	0.00068	6.30	0.96866	0.00067
6.55	0.98038	0.00066	6.45	0.98072	0.00067	6.35	0.97242	0.00065
6.60	0.98559	0.00064	6.50	0.98689	0.00066	6.40	0.97712	0.00070
6.65	0.99021	0.00064	6.55	0.99054	0.00065	6.45	0.98360	0.00064
6.70	0.99624	0.00064	6.60	0.99621	0.00066	6.50	0.98751	0.00067
6.75	1.00057	0.00068	6.65	1.00108	0.00069	6.55	0.99254	0.00064
6.80	1.00513	0.00065	6.70	1.00602	0.00063	6.60	0.99722	0.00068
6.85	1.01002	0.00065	6.75	1.00948	0.00067	6.65	1.00046	0.00069
6.90	1.01441	0.00065	6.80	1.01330	0.00067	6.70	1.00583	0.00067
6.95	1.01898	0.00065				6.75	1.01124	0.00069
7.00	1.02265	0.00065				6.80	1.01543	0.00068

200			350			500		
5.90	0.92157	0.00065	6.00	0.92239	0.00063	6.00	0.92235	0.00064
5.95	0.92752	0.00069	6.05	0.92805	0.00068	6.05	0.92776	0.00063
6.00	0.93294	0.00067	6.10	0.93300	0.00066	6.10	0.93275	0.00066
6.05	0.93906	0.00065	6.15	0.93868	0.00068	6.15	0.93760	0.00065
6.10	0.94367	0.00067	6.20	0.94406	0.00063	6.20	0.94161	0.00067
6.15	0.94907	0.00070	6.25	0.94780	0.00067	6.25	0.94646	0.00065
6.20	0.95349	0.00067	6.30	0.95263	0.00067	6.30	0.95087	0.00065
6.25	0.95826	0.00068	6.35	0.95672	0.00063	6.35	0.95526	0.00067
6.30	0.96383	0.00064	6.40	0.96188	0.00067	6.40	0.95960	0.00063
6.35	0.96869	0.00068	6.45	0.96600	0.00067	6.45	0.96328	0.00066
6.40	0.97344	0.00069	6.50	0.97053	0.00069	6.50	0.96816	0.00066
6.45	0.97853	0.00067	6.55	0.97492	0.00067	6.55	0.97168	0.00067
6.50	0.98352	0.00068	6.60	0.98064	0.00063	6.60	0.97646	0.00066
6.55	0.98721	0.00069	6.65	0.98367	0.00067	6.65	0.98127	0.00064
6.60	0.99258	0.00070	6.70	0.98783	0.00069	6.70	0.98445	0.00064
6.65	0.99611	0.00067	6.75	0.99266	0.00066	6.75	0.98917	0.00067
6.70	1.00060	0.00065	6.80	0.99794	0.00068	6.80	0.99477	0.00067
6.75	1.00659	0.00068	6.85	1.00077	0.00066	6.85	0.99718	0.00064
6.80	1.01016	0.00068	6.90	1.00465	0.00065	6.90	1.00201	0.00067
			6.95	1.00835	0.00068	6.95	1.00433	0.00064
			7.00	1.01300	0.00065	7.00	1.00849	0.00066

750			1000			1500		
5.80	0.91386	0.00062	5.70	0.92176	0.00063	5.30	0.92287	0.00062
5.85	0.91730	0.00065	5.75	0.92670	0.00063	5.35	0.92838	0.00061
5.90	0.92214	0.00063	5.80	0.93068	0.00064	5.40	0.93482	0.00065
5.95	0.92854	0.00065	5.85	0.93508	0.00065	5.45	0.94061	0.00061
6.00	0.93202	0.00063	5.90	0.94124	0.00064	5.50	0.94505	0.00060
6.05	0.93670	0.00066	5.95	0.94476	0.00063	5.55	0.95145	0.00064
6.10	0.94163	0.00063	6.00	0.95106	0.00066	5.60	0.95750	0.00059
6.15	0.94565	0.00066	6.05	0.95477	0.00066	5.65	0.96090	0.00063
6.20	0.95024	0.00064	6.10	0.95927	0.00065	5.70	0.96648	0.00063
6.25	0.95615	0.00065	6.15	0.96445	0.00063	5.75	0.97213	0.00060
6.30	0.96091	0.00066	6.20	0.96837	0.00063	5.80	0.97683	0.00063
6.35	0.96423	0.00064	6.25	0.97538	0.00062	5.85	0.98129	0.00061
6.40	0.96939	0.00065	6.30	0.97710	0.00066	5.90	0.98705	0.00062
6.45	0.97339	0.00065	6.35	0.98156	0.00067	5.95	0.99179	0.00063
6.50	0.97744	0.00063	6.40	0.98615	0.00064	6.00	0.99591	0.00063
6.55	0.98280	0.00064	6.45	0.99007	0.00065	6.05	1.00047	0.00062
6.60	0.98547	0.00067	6.50	0.99529	0.00066	6.10	1.00584	0.00060
6.65	0.98922	0.00063	6.55	0.99869	0.00062			
6.70	0.99363	0.00066	6.60	1.00398	0.00065			
6.75	0.99679	0.00065	6.65	1.00739	0.00064			
6.80	1.00222	0.00065	6.70	1.01153	0.00064			
6.85	1.00587	0.00066						
6.90	1.00941	0.00064						
6.95	1.01326	0.00063						
7.00	1.01775	0.00062						

2000			2500			3000		
4.80	0.91089	0.00060	4.50	0.91696	0.00060	4.20	0.91792	0.00058
4.82	0.91471	0.00060	4.52	0.92118	0.00058	4.22	0.92095	0.00060
4.84	0.91694	0.00062	4.54	0.92342	0.00057	4.24	0.92351	0.00059
4.86	0.91928	0.00060	4.56	0.92606	0.00060	4.26	0.92752	0.00060
4.88	0.92140	0.00060	4.58	0.92875	0.00061	4.28	0.93008	0.00058
4.90	0.92351	0.00059	4.60	0.93196	0.00061	4.30	0.93252	0.00057
4.92	0.92686	0.00063	4.62	0.93424	0.00061	4.32	0.93719	0.00061
4.94	0.93089	0.00060	4.64	0.93758	0.00060	4.34	0.93993	0.00058
4.96	0.93191	0.00059	4.66	0.94045	0.00062	4.36	0.94362	0.00059
4.98	0.93400	0.00060	4.68	0.94261	0.00062	4.38	0.94600	0.00059
5.00	0.93801	0.00063	4.70	0.94674	0.00062	4.40	0.94913	0.00060
5.02	0.93959	0.00060	4.72	0.94819	0.00059	4.42	0.95292	0.00059
5.04	0.94162	0.00059	4.74	0.95136	0.00063	4.44	0.95420	0.00059
5.06	0.94477	0.00062	4.76	0.95302	0.00060	4.46	0.95818	0.00062
5.08	0.94664	0.00057	4.78	0.95707	0.00061	4.48	0.96084	0.00059
5.10	0.94899	0.00062	4.80	0.95970	0.00061	4.50	0.96366	0.00059
5.12	0.95217	0.00063	4.82	0.96269	0.00061	4.52	0.96622	0.00061
5.14	0.95471	0.00060	4.84	0.96565	0.00062	4.54	0.96977	0.00057
5.16	0.95738	0.00061	4.86	0.96717	0.00061	4.56	0.97216	0.00058
5.18	0.95879	0.00060	4.88	0.97014	0.00062	4.58	0.97526	0.00060
5.20	0.96141	0.00060	4.90	0.97199	0.00058	4.60	0.97852	0.00059
5.22	0.96277	0.00059	4.92	0.97440	0.00060	4.62	0.98143	0.00060
5.24	0.96523	0.00060	4.94	0.97824	0.00062	4.64	0.98298	0.00058
5.26	0.96764	0.00062	4.96	0.98052	0.00061	4.66	0.98624	0.00060
5.28	0.97025	0.00060	4.98	0.98337	0.00061	4.68	0.98958	0.00059
5.30	0.97163	0.00060	5.00	0.98552	0.00059	4.70	0.99299	0.00060
5.32	0.97465	0.00061	5.02	0.98677	0.00060	4.72	0.99547	0.00060
5.34	0.97773	0.00060	5.04	0.98983	0.00060	4.74	0.99757	0.00060
5.36	0.97853	0.00061	5.06	0.99363	0.00060	4.76	1.00051	0.00059
5.38	0.98215	0.00060	5.08	0.99582	0.00060	4.78	1.00428	0.00060
5.40	0.98484	0.00060	5.10	0.99827	0.00059	4.80	1.00688	0.00060
5.42	0.98625	0.00061	5.12	1.00007	0.00060	4.82	1.00971	0.00061
5.44	0.98944	0.00064	5.14	1.00277	0.00061	4.84	1.01128	0.00061
5.46	0.99128	0.00059	5.16	1.00444	0.00061	4.86	1.01458	0.00060
5.48	0.99332	0.00060	5.18	1.00728	0.00061	4.88	1.01690	0.00059
5.50	0.99415	0.00062	5.20	1.00954	0.00059	4.90	1.01881	0.00063
5.52	0.99600	0.00061				4.92	1.02270	0.00063
5.54	0.99942	0.00060				4.94	1.02522	0.00059
5.56	1.00184	0.00061				4.96	1.02791	0.00061
5.58	1.00251	0.00061				4.98	1.03022	0.00059
5.60	1.00638	0.00060				5.00	1.03325	0.00060

4000			5000			7500		
3.70	0.91403	0.00057	3.30	0.90719	0.00056	2.70	0.91918	0.00052
3.72	0.91815	0.00058	3.32	0.91311	0.00056	2.72	0.92401	0.00052
3.74	0.92188	0.00054	3.34	0.91669	0.00058	2.74	0.93073	0.00049
3.76	0.92558	0.00056	3.36	0.92052	0.00057	2.76	0.93475	0.00053
3.78	0.92884	0.00057	3.38	0.92476	0.00056	2.78	0.94100	0.00053
3.80	0.93219	0.00060	3.40	0.92948	0.00054	2.80	0.94670	0.00054
3.82	0.93699	0.00058	3.42	0.93257	0.00057	2.82	0.95062	0.00052
3.84	0.94176	0.00058	3.44	0.93736	0.00056	2.84	0.95597	0.00055
3.86	0.94393	0.00057	3.46	0.94214	0.00057	2.86	0.96153	0.00055
3.88	0.94829	0.00059	3.48	0.94567	0.00057	2.88	0.96675	0.00056
3.90	0.95180	0.00058	3.50	0.95036	0.00059	2.90	0.97271	0.00053
3.92	0.95422	0.00058	3.52	0.95332	0.00056	2.92	0.97760	0.00054
3.94	0.95819	0.00058	3.54	0.95740	0.00058	2.94	0.98152	0.00056
3.96	0.96222	0.00058	3.56	0.96234	0.00058	2.96	0.98698	0.00057

3.98	0.96556	0.00058	3.58	0.96817	0.00057	2.98	0.99223	0.00055
4.00	0.96873	0.00058	3.60	0.97033	0.00058	3.00	0.99758	0.00057
4.02	0.97267	0.00060	3.62	0.97351	0.00057	3.02	1.00227	0.00055
4.04	0.97554	0.00057	3.64	0.97807	0.00059	3.04	1.00792	0.00056
4.06	0.97881	0.00059	3.66	0.98244	0.00059	3.06	1.01357	0.00054
4.08	0.98293	0.00059	3.68	0.98752	0.00056	3.08	1.01858	0.00056
4.10	0.98679	0.00060	3.70	0.99088	0.00058	3.10	1.02364	0.00055
4.12	0.98983	0.00055	3.72	0.99467	0.00056			
4.14	0.99353	0.00059	3.74	0.99793	0.00060			
4.16	0.99611	0.00062	3.76	1.00254	0.00060			
4.18	0.99917	0.00058	3.78	1.00524	0.00058			
4.20	1.00338	0.00061	3.80	1.01049	0.00058			
4.22	1.00639	0.00057						
4.24	1.00942	0.00060						
4.26	1.01288	0.00060						
4.28	1.01535	0.00059						
4.30	1.02013	0.00060						

10000			15000			19600		
2.20	0.90315	0.00050	1.60	0.90888	0.00046	1.20	0.89958	0.00049
2.22	0.90890	0.00051	1.62	0.91686	0.00048	1.22	0.91031	0.00046
2.24	0.91542	0.00050	1.64	0.92451	0.00047	1.24	0.92034	0.00050
2.26	0.92214	0.00051	1.66	0.93385	0.00049	1.26	0.93054	0.00048
2.28	0.92821	0.00052	1.68	0.94149	0.00045	1.28	0.94129	0.00049
2.30	0.93425	0.00050	1.70	0.94970	0.00048	1.30	0.95135	0.00050
2.32	0.94057	0.00051	1.72	0.95797	0.00049	1.32	0.96101	0.00048
2.34	0.94661	0.00051	1.74	0.96606	0.00050	1.34	0.97150	0.00050
2.36	0.95384	0.00053	1.76	0.97411	0.00049	1.36	0.98221	0.00050
2.38	0.95871	0.00052	1.78	0.98139	0.00049	1.38	0.99115	0.00051
2.40	0.96580	0.00050	1.80	0.99034	0.00049	1.40	1.00147	0.00051
2.42	0.97168	0.00053	1.82	0.99677	0.00049	1.42	1.01122	0.00051
2.44	0.97748	0.00053	1.84	1.00543	0.00052	1.44	1.02143	0.00049
2.46	0.98357	0.00053	1.85	1.00871	0.00050	1.45	1.02555	0.00053
2.48	0.99099	0.00051						
2.50	0.99649	0.00055						
2.52	1.00192	0.00053						
2.54	1.00862	0.00055						
2.56	1.01440	0.00055						
2.58	1.02039	0.00056						
2.60	1.02616	0.00052						

sumtable.pu-pl-0850-01

10			11			12		
17.00	0.93214	0.00028	13.00	0.92181	0.00034	11.00	0.91526	0.00035
18.00	0.94072	0.00027	13.25	0.92547	0.00032	11.25	0.92022	0.00036
19.00	0.94905	0.00027	13.50	0.92936	0.00033	11.50	0.92607	0.00036
20.00	0.95482	0.00026	13.75	0.93396	0.00034	11.75	0.93238	0.00036
21.00	0.96148	0.00027	14.00	0.93669	0.00031	12.00	0.93670	0.00035
22.00	0.96694	0.00027	14.25	0.94063	0.00032	12.25	0.94165	0.00035
23.00	0.97168	0.00027	14.50	0.94356	0.00034	12.50	0.94715	0.00034
24.00	0.97597	0.00024	14.75	0.94800	0.00032	12.75	0.95110	0.00035
25.00	0.97991	0.00025	15.00	0.95102	0.00031	13.00	0.95582	0.00035
26.00	0.98387	0.00025	15.25	0.95331	0.00032	13.25	0.95965	0.00034

27.00	0.98696	0.00025
28.00	0.98872	0.00025
29.00	0.99160	0.00023
30.00	0.99465	0.00025
31.00	0.99628	0.00024
32.00	0.99846	0.00023
33.00	1.00071	0.00022
34.00	1.00259	0.00024
35.00	1.00351	0.00022
36.00	1.00584	0.00024
37.00	1.00720	0.00023

15.50	0.95637	0.00031
15.75	0.95883	0.00031
16.00	0.96186	0.00031
16.25	0.96547	0.00030
16.50	0.96790	0.00031
16.75	0.96963	0.00031
17.00	0.97223	0.00031
17.25	0.97459	0.00030
17.50	0.97609	0.00030
17.75	0.97902	0.00029
18.00	0.98109	0.00029
18.25	0.98288	0.00030
18.50	0.98533	0.00030
18.75	0.98717	0.00028
19.00	0.98902	0.00029
19.25	0.99044	0.00029
19.50	0.99246	0.00030
19.75	0.99382	0.00028
20.00	0.99661	0.00028
20.25	0.99794	0.00028
20.50	0.99919	0.00028
20.75	1.00096	0.00028
21.00	1.00187	0.00028
21.25	1.00360	0.00029
21.50	1.00492	0.00027

13.50	0.96402	0.00033
13.75	0.96805	0.00033
14.00	0.97225	0.00034
14.25	0.97578	0.00032
14.50	0.97923	0.00034
14.75	0.98243	0.00032
15.00	0.98548	0.00032
15.25	0.98898	0.00031
15.50	0.99185	0.00032
15.75	0.99487	0.00033
16.00	0.99828	0.00033
16.25	1.00042	0.00032
16.50	1.00332	0.00031
16.75	1.00593	0.00031
17.00	1.00808	0.00031
17.25	1.01031	0.00031
17.50	1.01276	0.00032
17.75	1.01457	0.00030
18.00	1.01753	0.00030

15		
8.00	0.89477	0.00041
8.20	0.90321	0.00044
8.40	0.91085	0.00045
8.60	0.92004	0.00042
8.80	0.92721	0.00041
9.00	0.93500	0.00041
9.20	0.94243	0.00041
9.40	0.94995	0.00042
9.60	0.95594	0.00041
9.80	0.96198	0.00041
10.00	0.96807	0.00040
10.20	0.97448	0.00040
10.40	0.98048	0.00038
10.60	0.98616	0.00039
10.80	0.99054	0.00039
11.00	0.99657	0.00038
11.20	1.00133	0.00039
11.40	1.00646	0.00039
11.60	1.01163	0.00040
11.80	1.01632	0.00039
12.00	1.02070	0.00040
12.20	1.02437	0.00038
12.40	1.02836	0.00039
12.60	1.03226	0.00038
12.80	1.03640	0.00037
13.00	1.03997	0.00038

20		
6.90	0.92424	0.00046
6.95	0.92656	0.00048
7.00	0.92921	0.00049
7.05	0.93230	0.00047
7.10	0.93584	0.00047
7.15	0.93777	0.00047
7.20	0.94148	0.00047
7.25	0.94423	0.00046
7.30	0.94700	0.00046
7.35	0.94944	0.00047
7.40	0.95168	0.00046
7.45	0.95506	0.00047
7.50	0.95762	0.00047
7.55	0.96000	0.00046
7.60	0.96228	0.00046
7.65	0.96573	0.00046
7.70	0.96798	0.00047
7.75	0.97105	0.00045
7.80	0.97338	0.00047
7.85	0.97510	0.00047
7.90	0.97794	0.00046
7.95	0.98067	0.00046
8.00	0.98322	0.00045
8.05	0.98491	0.00046
8.10	0.98839	0.00047
8.15	0.98963	0.00045
8.20	0.99255	0.00046
8.25	0.99447	0.00046
8.30	0.99663	0.00047
8.35	0.99967	0.00045
8.40	1.00136	0.00045
8.45	1.00329	0.00046
8.50	1.00588	0.00045

25		
6.00	0.91964	0.00052
6.05	0.92384	0.00052
6.10	0.92683	0.00052
6.15	0.93010	0.00048
6.20	0.93410	0.00051
6.25	0.93774	0.00051
6.30	0.94143	0.00054
6.35	0.94533	0.00053
6.40	0.94847	0.00049
6.45	0.95165	0.00051
6.50	0.95475	0.00052
6.55	0.95902	0.00050
6.60	0.96214	0.00052
6.65	0.96583	0.00050
6.70	0.96851	0.00052
6.75	0.97161	0.00049
6.80	0.97500	0.00052
6.85	0.97742	0.00051
6.90	0.98107	0.00050
6.95	0.98380	0.00053
7.00	0.98678	0.00051
7.05	0.99117	0.00052
7.10	0.99432	0.00049
7.15	0.99654	0.00052
7.20	0.99920	0.00051
7.25	1.00222	0.00048
7.30	1.00614	0.00051

30			40			50		
5.50	0.91859	0.00055	5.00	0.92096	0.00060	4.70	0.91929	0.00060
5.55	0.92198	0.00052	5.05	0.92646	0.00059	4.75	0.92422	0.00060
5.60	0.92636	0.00055	5.10	0.93168	0.00057	4.80	0.93189	0.00058
5.65	0.93045	0.00054	5.15	0.93601	0.00057	4.85	0.93566	0.00061
5.70	0.93518	0.00054	5.20	0.94052	0.00057	4.90	0.94090	0.00060
5.75	0.93897	0.00052	5.25	0.94604	0.00058	4.95	0.94586	0.00058
5.80	0.94325	0.00054	5.30	0.95161	0.00059	5.00	0.95059	0.00059
5.85	0.94746	0.00053	5.35	0.95554	0.00057	5.05	0.95664	0.00061
5.90	0.95080	0.00055	5.40	0.95955	0.00058	5.10	0.96110	0.00061
5.95	0.95468	0.00052	5.45	0.96485	0.00057	5.15	0.96589	0.00062
6.00	0.95901	0.00054	5.50	0.96860	0.00058	5.20	0.96906	0.00060
6.05	0.96188	0.00054	5.55	0.97251	0.00058	5.25	0.97591	0.00060
6.10	0.96636	0.00055	5.60	0.97641	0.00058	5.30	0.97974	0.00058
6.15	0.97015	0.00054	5.65	0.98185	0.00059	5.35	0.98378	0.00061
6.20	0.97319	0.00054	5.70	0.98631	0.00058	5.40	0.98877	0.00059
6.25	0.97629	0.00055	5.75	0.99074	0.00056	5.45	0.99440	0.00061
6.30	0.98202	0.00054	5.80	0.99408	0.00059	5.50	0.99739	0.00059
6.35	0.98502	0.00053	5.85	0.99741	0.00056	5.55	1.00212	0.00061
6.40	0.98855	0.00052	5.90	1.00258	0.00058	5.60	1.00667	0.00061
6.45	0.99307	0.00053	5.95	1.00643	0.00061			
6.50	0.99622	0.00054	6.00	1.01068	0.00058			
6.55	0.99962	0.00053						
6.60	1.00212	0.00055						
6.65	1.00559	0.00052						
6.70	1.00911	0.00053						

75			100			150		
4.40	0.92250	0.00063	4.30	0.92323	0.00065	4.20	0.91679	0.00063
4.45	0.92748	0.00061	4.35	0.92788	0.00068	4.25	0.92390	0.00064
4.50	0.93193	0.00062	4.40	0.93364	0.00062	4.30	0.92829	0.00065
4.55	0.93823	0.00061	4.45	0.93974	0.00064	4.35	0.93332	0.00065
4.60	0.94319	0.00062	4.50	0.94555	0.00062	4.40	0.93945	0.00063
4.65	0.94886	0.00063	4.55	0.95146	0.00065	4.45	0.94419	0.00063
4.70	0.95415	0.00060	4.60	0.95555	0.00061	4.50	0.94970	0.00063
4.75	0.95862	0.00064	4.65	0.96144	0.00065	4.55	0.95493	0.00065
4.80	0.96429	0.00063	4.70	0.96687	0.00063	4.60	0.96056	0.00065
4.85	0.96907	0.00062	4.75	0.97090	0.00066	4.65	0.96613	0.00066
4.90	0.97582	0.00062	4.80	0.97591	0.00063	4.70	0.97100	0.00067
4.95	0.98030	0.00062	4.85	0.98122	0.00062	4.75	0.97492	0.00065
5.00	0.98492	0.00060	4.90	0.98613	0.00064	4.80	0.98125	0.00063
5.05	0.99031	0.00063	4.95	0.99164	0.00065	4.85	0.98503	0.00066
5.10	0.99518	0.00064	5.00	0.99657	0.00066	4.90	0.99111	0.00066
5.15	0.99898	0.00064	5.05	1.00073	0.00062	4.95	0.99580	0.00065
5.20	1.00431	0.00064	5.10	1.00615	0.00066	5.00	0.99958	0.00065
5.25	1.00974	0.00062				5.05	1.00504	0.00066
5.30	1.01248	0.00062				5.10	1.00875	0.00066

200			350			500		
4.30	0.92630	0.00066	4.30	0.91853	0.00067	4.30	0.91643	0.00067
4.35	0.93100	0.00066	4.35	0.92337	0.00065	4.35	0.92079	0.00066
4.40	0.93581	0.00063	4.40	0.92730	0.00066	4.40	0.92677	0.00067
4.45	0.94195	0.00066	4.45	0.93462	0.00064	4.45	0.93128	0.00064
4.50	0.94677	0.00068	4.50	0.93864	0.00067	4.50	0.93645	0.00067
4.55	0.95195	0.00068	4.55	0.94295	0.00066	4.55	0.94119	0.00063
4.60	0.95665	0.00065	4.60	0.94804	0.00061	4.60	0.94496	0.00066
4.65	0.96151	0.00065	4.65	0.95252	0.00066	4.65	0.95033	0.00064
4.70	0.96755	0.00066	4.70	0.95806	0.00067	4.70	0.95390	0.00065
4.75	0.97196	0.00065	4.75	0.96243	0.00067	4.75	0.95888	0.00066
4.80	0.97720	0.00061	4.80	0.96618	0.00063	4.80	0.96305	0.00066
4.85	0.98224	0.00066	4.85	0.97066	0.00065	4.85	0.96711	0.00067
4.90	0.98761	0.00065	4.90	0.97561	0.00065	4.90	0.97276	0.00065
4.95	0.99203	0.00067	4.95	0.98091	0.00066	4.95	0.97702	0.00065
5.00	0.99563	0.00067	5.00	0.98393	0.00067	5.00	0.98028	0.00066
5.05	1.00111	0.00064	5.05	0.98923	0.00066	5.05	0.98526	0.00065
5.10	1.00460	0.00065	5.10	0.99356	0.00067	5.10	0.98877	0.00064
5.15	1.00910	0.00064	5.15	0.99723	0.00066	5.15	0.99378	0.00065
5.20	1.01567	0.00065	5.20	1.00069	0.00064	5.20	0.99787	0.00066
			5.25	1.00587	0.00065	5.25	1.00224	0.00064
			5.30	1.00875	0.00066	5.30	1.00578	0.00066

750			1000			1500		
4.30	0.92456	0.00061	4.00	0.90745	0.00066	3.80	0.92455	0.00064
4.35	0.92967	0.00062	4.05	0.91475	0.00065	3.85	0.93012	0.00064
4.40	0.93360	0.00064	4.10	0.91856	0.00065	3.90	0.93667	0.00060
4.45	0.93886	0.00065	4.15	0.92411	0.00065	3.95	0.94210	0.00063
4.50	0.94472	0.00065	4.20	0.92845	0.00063	4.00	0.94725	0.00064
4.55	0.94766	0.00062	4.25	0.93410	0.00062	4.05	0.95248	0.00065
4.60	0.95351	0.00064	4.30	0.94025	0.00064	4.10	0.95758	0.00063
4.65	0.95683	0.00067	4.35	0.94403	0.00061	4.15	0.96159	0.00061
4.70	0.96216	0.00064	4.40	0.94864	0.00061	4.20	0.96815	0.00062
4.75	0.96610	0.00065	4.45	0.95367	0.00062	4.25	0.97327	0.00061
4.80	0.96965	0.00061	4.50	0.95892	0.00064	4.30	0.97816	0.00061
4.85	0.97559	0.00065	4.55	0.96249	0.00064	4.35	0.98239	0.00063
4.90	0.97979	0.00066	4.60	0.96748	0.00063	4.40	0.98814	0.00062
4.95	0.98386	0.00063	4.65	0.97213	0.00066	4.45	0.99317	0.00062
5.00	0.98807	0.00063	4.70	0.97612	0.00064	4.50	0.99723	0.00063
5.05	0.99193	0.00066	4.75	0.98016	0.00064	4.55	1.00266	0.00063
5.10	0.99565	0.00068	4.80	0.98477	0.00063	4.60	1.00576	0.00062
5.15	0.99992	0.00065	4.85	0.98962	0.00063			
5.20	1.00287	0.00063	4.90	0.99468	0.00063			
			4.95	0.99723	0.00066			
			5.00	1.00194	0.00064			
			5.05	1.00643	0.00062			
			5.10	1.01006	0.00063			

2000			2500			3000		
3.40	0.91676	0.00063	3.10	0.91423	0.00061	2.90	0.92228	0.00063
3.42	0.91854	0.00062	3.12	0.91717	0.00059	2.92	0.92541	0.00062
3.44	0.92166	0.00062	3.14	0.92058	0.00061	2.94	0.92733	0.00060
3.46	0.92485	0.00063	3.16	0.92337	0.00063	2.96	0.93190	0.00063
3.48	0.92591	0.00062	3.18	0.92612	0.00062	2.98	0.93460	0.00058
3.50	0.92974	0.00062	3.20	0.93041	0.00062	3.00	0.93803	0.00061
3.52	0.93250	0.00062	3.22	0.93269	0.00061	3.02	0.94046	0.00062
3.54	0.93488	0.00061	3.24	0.93510	0.00061	3.04	0.94541	0.00060
3.56	0.93689	0.00062	3.26	0.93817	0.00063	3.06	0.94765	0.00061
3.58	0.93898	0.00060	3.28	0.94086	0.00061	3.08	0.94989	0.00059
3.60	0.94148	0.00060	3.30	0.94380	0.00063	3.10	0.95377	0.00060
3.62	0.94441	0.00062	3.32	0.94715	0.00062	3.12	0.95610	0.00061
3.64	0.94802	0.00061	3.34	0.94951	0.00060	3.14	0.95972	0.00062
3.66	0.94903	0.00060	3.36	0.95143	0.00061	3.16	0.96241	0.00062
3.68	0.95132	0.00061	3.38	0.95467	0.00062	3.18	0.96525	0.00062
3.70	0.95433	0.00063	3.40	0.95698	0.00061	3.20	0.96858	0.00060
3.72	0.95506	0.00062	3.42	0.96070	0.00061	3.22	0.97097	0.00059
3.74	0.95884	0.00061	3.44	0.96251	0.00060	3.24	0.97486	0.00061
3.76	0.96154	0.00064	3.46	0.96537	0.00062	3.26	0.97657	0.00063
3.78	0.96354	0.00063	3.48	0.96852	0.00060	3.28	0.97986	0.00063
3.80	0.96620	0.00063	3.50	0.97041	0.00060	3.30	0.98267	0.00060
3.82	0.96893	0.00062	3.52	0.97205	0.00063	3.32	0.98620	0.00061
3.84	0.97131	0.00061	3.54	0.97688	0.00059	3.34	0.98915	0.00062
3.86	0.97382	0.00064	3.56	0.97829	0.00063	3.36	0.99040	0.00062
3.88	0.97445	0.00061	3.58	0.98140	0.00060	3.38	0.99481	0.00059
3.90	0.97787	0.00063	3.60	0.98385	0.00063	3.40	0.99740	0.00063
3.92	0.97997	0.00061	3.62	0.98591	0.00061	3.42	0.99934	0.00062
3.94	0.98319	0.00063	3.64	0.98839	0.00059	3.44	1.00364	0.00061
3.96	0.98534	0.00063	3.66	0.99104	0.00063	3.46	1.00613	0.00058
3.98	0.98810	0.00060	3.68	0.99365	0.00062	3.48	1.00865	0.00061
4.00	0.98970	0.00061	3.70	0.99661	0.00060	3.50	1.01127	0.00062
4.02	0.99161	0.00061	3.72	0.99881	0.00065			
4.04	0.99391	0.00061	3.74	1.00173	0.00063			
4.06	0.99737	0.00062	3.76	1.00385	0.00064			
4.08	0.99728	0.00061	3.78	1.00691	0.00063			
4.10	1.00029	0.00062	3.80	1.00878	0.00062			
4.12	1.00259	0.00063						
4.14	1.00526	0.00062						
4.16	1.00755	0.00061						
4.18	1.00944	0.00065						
4.20	1.01082	0.00063						

4000			5000			7500		
2.50	0.92111	0.00059	2.20	0.92159	0.00063	1.70	0.92264	0.00059
2.52	0.92503	0.00060	2.22	0.92488	0.00061	1.72	0.92760	0.00059
2.54	0.92889	0.00063	2.24	0.93002	0.00059	1.74	0.93455	0.00061
2.56	0.93308	0.00061	2.26	0.93408	0.00061	1.76	0.93991	0.00059
2.58	0.93640	0.00060	2.28	0.93825	0.00059	1.78	0.94517	0.00061
2.60	0.94112	0.00061	2.30	0.94278	0.00059	1.80	0.95064	0.00060
2.62	0.94431	0.00061	2.32	0.94659	0.00060	1.82	0.95736	0.00062
2.64	0.94793	0.00059	2.34	0.95171	0.00059	1.84	0.96191	0.00060
2.66	0.95109	0.00063	2.36	0.95527	0.00061	1.86	0.96844	0.00061
2.68	0.95567	0.00064	2.38	0.95997	0.00059	1.88	0.97382	0.00057
2.70	0.95926	0.00060	2.40	0.96413	0.00061	1.90	0.97910	0.00058
2.72	0.96355	0.00062	2.42	0.96822	0.00060	1.92	0.98449	0.00061
2.74	0.96703	0.00061	2.44	0.97235	0.00062	1.94	0.99110	0.00061
2.76	0.96946	0.00058	2.46	0.97646	0.00062	1.96	0.99505	0.00061

2.78	0.97401	0.00060	2.48	0.97986	0.00062	1.98	1.00012	0.00062
2.80	0.97614	0.00062	2.50	0.98488	0.00061	2.00	1.00513	0.00062
2.82	0.98086	0.00059	2.52	0.98775	0.00062			
2.84	0.98418	0.00059	2.54	0.99200	0.00060			
2.86	0.98786	0.00060	2.56	0.99611	0.00059			
2.88	0.99110	0.00062	2.58	1.00073	0.00061			
2.90	0.99384	0.00062	2.60	1.00478	0.00062			
2.92	0.99687	0.00060						
2.94	0.99977	0.00064						
2.96	1.00395	0.00060						
2.98	1.00755	0.00063						
3.00	1.01036	0.00060						

10000			15000			19600		
1.35	0.91450	0.00059	0.95	0.91426	0.00057	0.70	0.89496	0.00057
1.37	0.92111	0.00059	0.96	0.91916	0.00054	0.71	0.90079	0.00056
1.39	0.92756	0.00060	0.97	0.92391	0.00057	0.72	0.90707	0.00057
1.41	0.93631	0.00057	0.98	0.92832	0.00059	0.73	0.91417	0.00057
1.43	0.94223	0.00060	0.99	0.93385	0.00058	0.74	0.92108	0.00055
1.45	0.94910	0.00059	1.00	0.93821	0.00059	0.75	0.92746	0.00057
1.47	0.95643	0.00058	1.01	0.94330	0.00056	0.76	0.93340	0.00058
1.49	0.96283	0.00057	1.02	0.94861	0.00057	0.77	0.94030	0.00055
1.51	0.97095	0.00060	1.03	0.95452	0.00058	0.78	0.94579	0.00055
1.53	0.97679	0.00057	1.04	0.95777	0.00055	0.79	0.95301	0.00058
1.55	0.98411	0.00059	1.05	0.96279	0.00058	0.80	0.95858	0.00056
1.57	0.98976	0.00061	1.06	0.96748	0.00061	0.81	0.96448	0.00056
1.59	0.99714	0.00060	1.07	0.97242	0.00061	0.82	0.97162	0.00059
1.61	1.00361	0.00059	1.08	0.97667	0.00057	0.83	0.97741	0.00057
1.63	1.00943	0.00059	1.09	0.98238	0.00058	0.84	0.98335	0.00056
1.65	1.01567	0.00056	1.10	0.98619	0.00056	0.85	0.99014	0.00058
1.67	1.02236	0.00061	1.11	0.99086	0.00058	0.86	0.99587	0.00058
1.69	1.02783	0.00062	1.12	0.99585	0.00058	0.87	1.00226	0.00056
1.70	1.03234	0.00060	1.13	1.00012	0.00058	0.88	1.00790	0.00059
			1.14	1.00447	0.00059	0.89	1.01329	0.00060
			1.15	1.01060	0.00058	0.90	1.01955	0.00059

sumtable.pu-pl-0850-10

10			11			12		
15.00	0.92369	0.00028	12.00	0.92380	0.00031	10.00	0.91808	0.00035
16.00	0.93351	0.00028	12.25	0.92776	0.00031	10.25	0.92359	0.00032
17.00	0.94172	0.00028	12.50	0.93127	0.00032	10.50	0.92901	0.00032
18.00	0.95026	0.00027	12.75	0.93525	0.00031	10.75	0.93440	0.00035
19.00	0.95605	0.00027	13.00	0.93864	0.00031	11.00	0.93909	0.00034
20.00	0.96226	0.00026	13.25	0.94239	0.00030	11.25	0.94458	0.00034
21.00	0.96723	0.00026	13.50	0.94615	0.00029	11.50	0.94904	0.00032
22.00	0.97178	0.00025	13.75	0.94916	0.00031	11.75	0.95375	0.00032
23.00	0.97668	0.00025	14.00	0.95232	0.00028	12.00	0.95788	0.00032
24.00	0.98029	0.00025	14.25	0.95564	0.00030	12.25	0.96263	0.00031
25.00	0.98367	0.00024	14.50	0.95767	0.00030	12.50	0.96636	0.00033
26.00	0.98674	0.00026	14.75	0.96111	0.00029	12.75	0.96987	0.00032
27.00	0.98973	0.00025	15.00	0.96403	0.00029	13.00	0.97409	0.00032
28.00	0.99249	0.00024	15.25	0.96618	0.00029	13.25	0.97739	0.00031
29.00	0.99497	0.00024	15.50	0.96947	0.00029	13.50	0.98143	0.00032

30.00	0.99743	0.00023
31.00	0.99958	0.00023
32.00	1.00170	0.00022
33.00	1.00264	0.00023
34.00	1.00479	0.00022
35.00	1.00621	0.00022

15.75	0.97078	0.00029
16.00	0.97341	0.00029
16.25	0.97622	0.00028
16.50	0.97748	0.00029
16.75	0.98003	0.00029
17.00	0.98184	0.00028
17.25	0.98411	0.00030
17.50	0.98671	0.00028
17.75	0.98869	0.00028
18.00	0.99023	0.00028
18.25	0.99202	0.00027
18.50	0.99412	0.00028
18.75	0.99570	0.00028
19.00	0.99669	0.00027
19.25	0.99840	0.00028
19.50	1.00033	0.00026
19.75	1.00149	0.00027
20.00	1.00328	0.00028

13.75	0.98417	0.00031
14.00	0.98734	0.00031
14.25	0.99003	0.00031
14.50	0.99331	0.00031
14.75	0.99641	0.00031
15.00	0.99964	0.00031
15.25	1.00181	0.00031
15.50	1.00490	0.00030
15.75	1.00713	0.00030
16.00	1.00970	0.00029

15		
7.00	0.89986	0.00040
7.25	0.91096	0.00041
7.50	0.92052	0.00039
7.75	0.92994	0.00039
8.00	0.94014	0.00039
8.25	0.94901	0.00039
8.50	0.95716	0.00038
8.75	0.96579	0.00037
9.00	0.97415	0.00037
9.25	0.98007	0.00039
9.50	0.98738	0.00036
9.75	0.99509	0.00038
10.00	1.00056	0.00037
10.25	1.00599	0.00038
10.50	1.01314	0.00038
10.75	1.01843	0.00037
11.00	1.02364	0.00035
11.25	1.02958	0.00036
11.50	1.03392	0.00035
11.75	1.03880	0.00034
12.00	1.04378	0.00036
12.25	1.04759	0.00035
12.50	1.05220	0.00033
12.75	1.05661	0.00035
13.00	1.06045	0.00036

20		
5.70	0.92128	0.00043
5.75	0.92530	0.00043
5.80	0.92771	0.00044
5.85	0.93065	0.00045
5.90	0.93318	0.00042
5.95	0.93707	0.00044
6.00	0.93990	0.00043
6.05	0.94254	0.00044
6.10	0.94549	0.00043
6.15	0.94769	0.00043
6.20	0.95022	0.00043
6.25	0.95289	0.00043
6.30	0.95623	0.00045
6.35	0.95909	0.00044
6.40	0.96128	0.00041
6.45	0.96388	0.00044
6.50	0.96608	0.00045
6.55	0.96941	0.00044
6.60	0.97260	0.00043
6.65	0.97471	0.00046
6.70	0.97691	0.00043
6.75	0.97982	0.00043
6.80	0.98083	0.00044
6.85	0.98407	0.00043
6.90	0.98656	0.00045
6.95	0.98944	0.00042
7.00	0.99189	0.00045
7.05	0.99322	0.00045
7.10	0.99611	0.00043
7.15	0.99836	0.00042
7.20	1.00050	0.00043
7.25	1.00311	0.00042
7.30	1.00537	0.00043
7.35	1.00644	0.00042
7.40	1.00925	0.00042

25		
4.80	0.91810	0.00047
4.85	0.92222	0.00048
4.90	0.92558	0.00047
4.95	0.92975	0.00047
5.00	0.93352	0.00049
5.05	0.93784	0.00047
5.10	0.94073	0.00048
5.15	0.94550	0.00047
5.20	0.94775	0.00047
5.25	0.95156	0.00048
5.30	0.95431	0.00047
5.35	0.95882	0.00048
5.40	0.96178	0.00047
5.45	0.96652	0.00047
5.50	0.96874	0.00048
5.55	0.97273	0.00046
5.60	0.97543	0.00048
5.65	0.97878	0.00045
5.70	0.98160	0.00047
5.75	0.98588	0.00047
5.80	0.98785	0.00047
5.85	0.99098	0.00047
5.90	0.99459	0.00046
5.95	0.99672	0.00046
6.00	1.00009	0.00049
6.05	1.00261	0.00046
6.10	1.00575	0.00045

30			40			50		
4.30	0.91911	0.00051	3.70	0.91712	0.00052	3.40	0.91955	0.00056
4.35	0.92378	0.00048	3.75	0.92297	0.00051	3.45	0.92591	0.00057
4.40	0.92742	0.00050	3.80	0.92823	0.00053	3.50	0.93125	0.00056
4.45	0.93281	0.00050	3.85	0.93371	0.00054	3.55	0.93663	0.00056
4.50	0.93635	0.00051	3.90	0.93754	0.00052	3.60	0.94215	0.00055
4.55	0.94049	0.00050	3.95	0.94186	0.00053	3.65	0.94831	0.00055
4.60	0.94442	0.00050	4.00	0.94776	0.00051	3.70	0.95283	0.00054
4.65	0.94913	0.00050	4.05	0.95282	0.00053	3.75	0.95765	0.00056
4.70	0.95335	0.00049	4.10	0.95748	0.00054	3.80	0.96322	0.00055
4.75	0.95839	0.00049	4.15	0.96236	0.00053	3.85	0.96712	0.00056
4.80	0.96102	0.00051	4.20	0.96679	0.00052	3.90	0.97320	0.00055
4.85	0.96500	0.00050	4.25	0.97010	0.00052	3.95	0.97750	0.00055
4.90	0.96853	0.00049	4.30	0.97570	0.00052	4.00	0.98234	0.00056
4.95	0.97263	0.00050	4.35	0.98008	0.00051	4.05	0.98608	0.00056
5.00	0.97657	0.00050	4.40	0.98360	0.00053	4.10	0.99211	0.00055
5.05	0.98030	0.00051	4.45	0.98917	0.00052	4.15	0.99721	0.00055
5.10	0.98364	0.00050	4.50	0.99275	0.00050	4.20	1.00042	0.00058
5.15	0.98810	0.00051	4.55	0.99729	0.00052	4.25	1.00562	0.00054
5.20	0.99198	0.00050	4.60	1.00162	0.00052	4.30	1.00948	0.00053
5.25	0.99456	0.00049	4.65	1.00465	0.00056			
5.30	0.99753	0.00051	4.70	1.00918	0.00051			
5.35	1.00269	0.00049						
5.40	1.00604	0.00049						

75			100			150		
3.00	0.92069	0.00057	2.80	0.91827	0.00057	2.60	0.91361	0.00061
3.05	0.92574	0.00055	2.82	0.92064	0.00058	2.65	0.91847	0.00059
3.10	0.93219	0.00058	2.84	0.92254	0.00061	2.70	0.92605	0.00060
3.15	0.93799	0.00058	2.86	0.92602	0.00060	2.75	0.93096	0.00058
3.20	0.94406	0.00055	2.88	0.92807	0.00057	2.80	0.93756	0.00063
3.25	0.94956	0.00057	2.90	0.93068	0.00059	2.85	0.94222	0.00063
3.30	0.95452	0.00059	2.92	0.93233	0.00058	2.90	0.94893	0.00060
3.35	0.96046	0.00059	2.94	0.93522	0.00057	2.95	0.95387	0.00058
3.40	0.96681	0.00059	2.96	0.93720	0.00057	3.00	0.95994	0.00061
3.45	0.97155	0.00057	2.98	0.93999	0.00060	3.05	0.96443	0.00059
3.50	0.97632	0.00058	3.00	0.94231	0.00060	3.10	0.96991	0.00061
3.55	0.98247	0.00056	3.02	0.94479	0.00057	3.15	0.97604	0.00061
3.60	0.98686	0.00059	3.04	0.94614	0.00061	3.20	0.98031	0.00060
3.65	0.99199	0.00058	3.06	0.94827	0.00059	3.25	0.98602	0.00061
3.70	0.99746	0.00056	3.08	0.95085	0.00060	3.30	0.99178	0.00058
3.75	1.00234	0.00057	3.10	0.95395	0.00059	3.35	0.99789	0.00060
3.80	1.00614	0.00058	3.12	0.95593	0.00060	3.40	1.00058	0.00058
			3.14	0.95829	0.00060	3.45	1.00557	0.00063
			3.16	0.96102	0.00060	3.50	1.01102	0.00060
			3.18	0.96164	0.00057			
			3.20	0.96495	0.00058			
			3.22	0.96690	0.00063			
			3.24	0.96809	0.00059			
			3.26	0.97192	0.00060			
			3.28	0.97313	0.00059			
			3.30	0.97540	0.00060			
			3.32	0.97693	0.00058			
			3.34	0.97868	0.00059			
			3.36	0.98204	0.00058			
			3.38	0.98375	0.00061			
			3.40	0.98493	0.00058			
			3.42	0.98826	0.00058			
			3.44	0.98970	0.00056			

3.46	0.99223	0.00060
3.48	0.99431	0.00059
3.50	0.99651	0.00058
3.52	0.99901	0.00059
3.54	1.00044	0.00058
3.56	1.00266	0.00057
3.58	1.00448	0.00059
3.60	1.00706	0.00057

200

2.60	0.92108	0.00059
2.62	0.92355	0.00060
2.64	0.92454	0.00059
2.66	0.92762	0.00059
2.68	0.93002	0.00059
2.70	0.93292	0.00061
2.72	0.93398	0.00061
2.74	0.93714	0.00060
2.76	0.93972	0.00061
2.78	0.94183	0.00059
2.80	0.94440	0.00061
2.82	0.94602	0.00059
2.84	0.94823	0.00061
2.86	0.94946	0.00059
2.88	0.95271	0.00060
2.90	0.95500	0.00061
2.92	0.95679	0.00060
2.94	0.95834	0.00060
2.96	0.96168	0.00062
2.98	0.96261	0.00062
3.00	0.96559	0.00061
3.02	0.96843	0.00060
3.04	0.96860	0.00059
3.06	0.97192	0.00060
3.08	0.97285	0.00062
3.10	0.97422	0.00060
3.12	0.97709	0.00062
3.14	0.97881	0.00061
3.16	0.98091	0.00061
3.18	0.98324	0.00059
3.20	0.98585	0.00061
3.22	0.98760	0.00059
3.24	0.98906	0.00059
3.26	0.99216	0.00060
3.28	0.99286	0.00060
3.30	0.99478	0.00059
3.32	0.99702	0.00061
3.34	0.99869	0.00058
3.36	1.00084	0.00062
3.38	1.00271	0.00058
3.40	1.00454	0.00060

350

2.60	0.92751	0.00060
2.65	0.93319	0.00063
2.70	0.93894	0.00061
2.75	0.94262	0.00060
2.80	0.94873	0.00061
2.85	0.95253	0.00060
2.90	0.95878	0.00060
2.95	0.96399	0.00061
3.00	0.96896	0.00065
3.05	0.97313	0.00059
3.10	0.97693	0.00058
3.15	0.98137	0.00060
3.20	0.98591	0.00060
3.25	0.99254	0.00060
3.30	0.99598	0.00061
3.35	1.00069	0.00059
3.40	1.00468	0.00057

500

2.50	0.92059	0.00060
2.55	0.92611	0.00057
2.60	0.93091	0.00060
2.65	0.93577	0.00062
2.70	0.94119	0.00062
2.75	0.94685	0.00060
2.80	0.95029	0.00062
2.85	0.95684	0.00062
2.90	0.96058	0.00059
2.95	0.96609	0.00062
3.00	0.96948	0.00061
3.05	0.97558	0.00061
3.10	0.97886	0.00059
3.15	0.98412	0.00060
3.20	0.98867	0.00060
3.25	0.99370	0.00060
3.30	0.99777	0.00061
3.35	1.00078	0.00059
3.40	1.00607	0.00061

750			1000			1500		
2.40	0.92009	0.00060	2.30	0.92161	0.00059	2.00	0.91475	0.00060
2.45	0.92495	0.00060	2.35	0.92705	0.00058	2.02	0.91787	0.00055
2.50	0.93048	0.00061	2.40	0.93215	0.00058	2.04	0.91942	0.00058
2.55	0.93554	0.00059	2.45	0.93870	0.00059	2.06	0.92199	0.00059
2.60	0.94173	0.00060	2.50	0.94331	0.00059	2.08	0.92401	0.00057
2.65	0.94612	0.00059	2.55	0.94874	0.00059	2.10	0.92705	0.00060
2.70	0.95086	0.00058	2.60	0.95375	0.00059	2.12	0.92874	0.00058
2.75	0.95641	0.00060	2.65	0.95941	0.00060	2.14	0.93180	0.00061
2.80	0.96048	0.00060	2.70	0.96345	0.00059	2.16	0.93444	0.00061
2.85	0.96639	0.00059	2.75	0.96691	0.00062	2.18	0.93700	0.00058
2.90	0.97038	0.00061	2.80	0.97392	0.00061	2.20	0.93898	0.00057
2.95	0.97512	0.00059	2.85	0.97915	0.00059	2.22	0.94206	0.00060
3.00	0.98023	0.00059	2.90	0.98312	0.00060	2.24	0.94356	0.00059
3.05	0.98318	0.00062	2.95	0.98756	0.00059	2.26	0.94568	0.00058
3.10	0.98855	0.00060	3.00	0.99338	0.00063	2.28	0.94833	0.00057
3.15	0.99178	0.00063	3.05	0.99711	0.00060	2.30	0.95066	0.00058
3.20	0.99690	0.00060	3.10	1.00118	0.00057	2.32	0.95343	0.00061
3.25	1.00067	0.00060	3.15	1.00454	0.00058	2.34	0.95559	0.00059
3.30	1.00605	0.00059	3.20	1.00896	0.00058	2.36	0.95743	0.00060
						2.38	0.96065	0.00061
						2.40	0.96268	0.00059
						2.42	0.96526	0.00060
						2.44	0.96699	0.00059
						2.46	0.96810	0.00061
						2.48	0.97148	0.00058
						2.50	0.97346	0.00059
						2.52	0.97569	0.00058
						2.54	0.97741	0.00059
						2.56	0.97930	0.00058
						2.58	0.98268	0.00059
						2.60	0.98490	0.00059
						2.62	0.98733	0.00060
						2.64	0.98884	0.00060
						2.66	0.99086	0.00058
						2.68	0.99167	0.00060
						2.70	0.99407	0.00057
						2.72	0.99667	0.00058
						2.74	0.99760	0.00058
						2.76	1.00043	0.00061
						2.78	1.00240	0.00059
						2.80	1.00523	0.00059

2000			2500			3000		
1.80	0.91696	0.00059	1.60	0.91356	0.00058	1.50	0.92390	0.00059
1.82	0.91983	0.00056	1.62	0.91779	0.00058	1.52	0.92692	0.00058
1.84	0.92165	0.00057	1.64	0.92122	0.00058	1.54	0.93031	0.00057
1.86	0.92548	0.00060	1.66	0.92369	0.00059	1.56	0.93375	0.00058
1.88	0.92950	0.00058	1.68	0.92658	0.00058	1.58	0.93648	0.00058
1.90	0.92990	0.00059	1.70	0.93010	0.00059	1.60	0.93929	0.00058
1.92	0.93461	0.00059	1.72	0.93305	0.00059	1.62	0.94379	0.00059
1.94	0.93684	0.00058	1.74	0.93672	0.00059	1.64	0.94710	0.00058
1.96	0.93894	0.00059	1.76	0.93899	0.00056	1.66	0.95052	0.00058
1.98	0.94260	0.00057	1.78	0.94240	0.00057	1.68	0.95364	0.00057
2.00	0.94527	0.00057	1.80	0.94618	0.00058	1.70	0.95651	0.00056
2.02	0.94816	0.00060	1.82	0.94744	0.00057	1.72	0.96085	0.00058
2.04	0.94954	0.00058	1.84	0.94988	0.00059	1.74	0.96353	0.00060
2.06	0.95200	0.00059	1.86	0.95412	0.00058	1.76	0.96699	0.00057
2.08	0.95494	0.00059	1.88	0.95694	0.00057	1.78	0.96947	0.00059
2.10	0.95793	0.00060	1.90	0.96063	0.00058	1.80	0.97301	0.00061
2.12	0.96017	0.00059	1.92	0.96265	0.00057	1.82	0.97602	0.00057

2.14	0.96238	0.00060
2.16	0.96590	0.00059
2.18	0.96771	0.00059
2.20	0.96974	0.00060
2.22	0.97311	0.00060
2.24	0.97573	0.00058
2.26	0.97766	0.00059
2.28	0.97984	0.00062
2.30	0.98253	0.00057
2.32	0.98506	0.00060
2.34	0.98718	0.00060
2.36	0.99087	0.00056
2.38	0.99184	0.00060
2.40	0.99554	0.00058
2.42	0.99757	0.00060
2.44	0.99952	0.00059
2.46	1.00146	0.00059
2.48	1.00418	0.00058
2.50	1.00617	0.00058

1.94	0.96500	0.00055
1.96	0.96940	0.00061
1.98	0.97150	0.00058
2.00	0.97339	0.00055
2.02	0.97699	0.00056
2.04	0.97997	0.00059
2.06	0.98312	0.00058
2.08	0.98554	0.00055
2.10	0.98946	0.00060
2.12	0.99052	0.00060
2.14	0.99386	0.00059
2.16	0.99683	0.00058
2.18	0.99944	0.00059
2.20	1.00168	0.00059
2.22	1.00423	0.00059
2.24	1.00658	0.00058
2.26	1.01044	0.00058
2.28	1.01198	0.00058
2.30	1.01527	0.00057

1.84	0.97889	0.00056
1.86	0.98220	0.00059
1.88	0.98528	0.00060
1.90	0.98864	0.00056
1.92	0.99144	0.00057
1.94	0.99532	0.00059
1.96	0.99818	0.00057
1.98	1.00037	0.00057
2.00	1.00426	0.00060

4000

1.20	0.91136	0.00056
1.22	0.91581	0.00057
1.24	0.91888	0.00057
1.26	0.92387	0.00056
1.28	0.92739	0.00056
1.30	0.93240	0.00058
1.32	0.93643	0.00058
1.34	0.94118	0.00058
1.36	0.94494	0.00056
1.38	0.94950	0.00057
1.40	0.95217	0.00056
1.42	0.95731	0.00057
1.44	0.96066	0.00058
1.46	0.96490	0.00056
1.48	0.96861	0.00057
1.50	0.97215	0.00058
1.52	0.97650	0.00058
1.54	0.97942	0.00058
1.56	0.98425	0.00059
1.58	0.98853	0.00057
1.60	0.99067	0.00059
1.62	0.99424	0.00058
1.64	0.99821	0.00059
1.66	1.00212	0.00058
1.68	1.00606	0.00059
1.70	1.01006	0.00055

5000

1.10	0.92915	0.00057
1.12	0.93253	0.00059
1.14	0.93899	0.00058
1.16	0.94363	0.00056
1.18	0.94739	0.00054
1.20	0.95279	0.00058
1.22	0.95689	0.00058
1.24	0.96189	0.00056
1.26	0.96722	0.00059
1.28	0.97076	0.00057
1.30	0.97581	0.00058
1.32	0.98026	0.00057
1.34	0.98507	0.00058
1.36	0.98762	0.00058
1.38	0.99309	0.00057
1.40	0.99809	0.00057
1.42	1.00180	0.00059
1.44	1.00570	0.00058
1.46	1.01032	0.00059
1.48	1.01532	0.00058
1.50	1.01863	0.00057

7500

0.75	0.91231	0.00057
0.77	0.91782	0.00057
0.79	0.92540	0.00058
0.81	0.93102	0.00055
0.83	0.93798	0.00056
0.85	0.94403	0.00056
0.87	0.95048	0.00060
0.89	0.95815	0.00062
0.91	0.96398	0.00058
0.93	0.97026	0.00058
0.95	0.97604	0.00057
0.97	0.98306	0.00060
0.99	0.98916	0.00059
1.01	0.99436	0.00059
1.03	1.00082	0.00057
1.05	1.00698	0.00056
1.07	1.01212	0.00059
1.09	1.01684	0.00061
1.10	1.02070	0.00056

10000			15000			19600		
0.60	0.91864	0.00058	0.40	0.91439	0.00055	0.30	0.91016	0.00058
0.61	0.92237	0.00058	0.41	0.92061	0.00057	0.31	0.91843	0.00056
0.62	0.92801	0.00056	0.42	0.92611	0.00056	0.32	0.92769	0.00059
0.63	0.93233	0.00058	0.43	0.93360	0.00055	0.33	0.93598	0.00058
0.64	0.93588	0.00058	0.44	0.93995	0.00057	0.34	0.94397	0.00057
0.65	0.93972	0.00058	0.45	0.94517	0.00057	0.35	0.95116	0.00056
0.66	0.94504	0.00056	0.46	0.95123	0.00059	0.36	0.95978	0.00060
0.67	0.94794	0.00056	0.47	0.95761	0.00056	0.37	0.96799	0.00058
0.68	0.95243	0.00058	0.48	0.96373	0.00057	0.38	0.97535	0.00060
0.69	0.95636	0.00058	0.49	0.96957	0.00057	0.39	0.98357	0.00059
0.70	0.96135	0.00057	0.50	0.97552	0.00057	0.40	0.99074	0.00060
0.71	0.96465	0.00057	0.51	0.98132	0.00058	0.41	0.99794	0.00059
0.72	0.96933	0.00056	0.52	0.98718	0.00059	0.42	1.00577	0.00056
0.73	0.97312	0.00059	0.53	0.99323	0.00059	0.43	1.01365	0.00060
0.74	0.97739	0.00057	0.54	0.99895	0.00059	0.44	1.02026	0.00059
0.75	0.98139	0.00059	0.55	1.00497	0.00058	0.45	1.02690	0.00060
0.76	0.98460	0.00057						
0.77	0.98827	0.00057						
0.78	0.99259	0.00056						
0.79	0.99552	0.00057						
0.80	0.99981	0.00058						
0.81	1.00403	0.00058						
0.82	1.00753	0.00059						
0.83	1.01068	0.00059						
0.84	1.01457	0.00058						

sumtable.pu-pl-0900-00

10			11			12		
15.00	0.92816	0.00033	12.00	0.90591	0.00036	11.00	0.90934	0.00039
15.50	0.93608	0.00032	12.50	0.91813	0.00036	11.20	0.91549	0.00039
16.00	0.94308	0.00032	13.00	0.92965	0.00035	11.40	0.92208	0.00039
16.50	0.94960	0.00030	13.50	0.94032	0.00035	11.60	0.92803	0.00037
17.00	0.95611	0.00030	14.00	0.95058	0.00035	11.80	0.93333	0.00040
17.50	0.96087	0.00030	14.50	0.95863	0.00033	12.00	0.93874	0.00037
18.00	0.96644	0.00030	15.00	0.96866	0.00034	12.20	0.94358	0.00038
18.50	0.97147	0.00030	15.50	0.97600	0.00033	12.40	0.94992	0.00037
19.00	0.97612	0.00030	16.00	0.98319	0.00033	12.60	0.95390	0.00036
19.50	0.98047	0.00029	16.50	0.98980	0.00032	12.80	0.95940	0.00036
20.00	0.98424	0.00028	17.00	0.99583	0.00031	13.00	0.96396	0.00036
20.50	0.98835	0.00029	17.50	1.00119	0.00032	13.20	0.96837	0.00036
21.00	0.99229	0.00028	18.00	1.00774	0.00031	13.40	0.97284	0.00036
21.50	0.99536	0.00027	18.50	1.01235	0.00031	13.60	0.97681	0.00036
22.00	0.99890	0.00027	19.00	1.01738	0.00029	13.80	0.98047	0.00036
22.50	1.00116	0.00028	19.50	1.02212	0.00030	14.00	0.98472	0.00035
23.00	1.00432	0.00028	20.00	1.02594	0.00030	14.20	0.98927	0.00034
23.50	1.00669	0.00027	20.50	1.03051	0.00030	14.40	0.99231	0.00036
24.00	1.00946	0.00027	21.00	1.03376	0.00031	14.60	0.99676	0.00036
24.50	1.01242	0.00026	21.50	1.03729	0.00028	14.80	1.00034	0.00034
25.00	1.01444	0.00026	22.00	1.04041	0.00028	15.00	1.00360	0.00035
			22.50	1.04338	0.00029	15.10	1.00514	0.00034
			23.00	1.04672	0.00028			
			23.50	1.04934	0.00027			
			24.00	1.05230	0.00029			
			24.50	1.05480	0.00028			
			25.00	1.05664	0.00028			
			25.50	1.05935	0.00027			
			26.00	1.06187	0.00027			

15		
9.00	0.90484	0.00042
9.20	0.91472	0.00045
9.40	0.92487	0.00043
9.60	0.93424	0.00044
9.80	0.94275	0.00043
10.00	0.95203	0.00041
10.20	0.95964	0.00043
10.40	0.96768	0.00043
10.60	0.97568	0.00043
10.80	0.98334	0.00042
11.00	0.99003	0.00042
11.20	0.99685	0.00042
11.40	1.00335	0.00042
11.60	1.01022	0.00040
11.80	1.01583	0.00042
12.00	1.02261	0.00042
12.20	1.02731	0.00040
12.40	1.03251	0.00042
12.60	1.03887	0.00042
12.80	1.04394	0.00040
13.00	1.04874	0.00040

20		
7.80	0.91821	0.00049
7.85	0.92143	0.00049
7.90	0.92537	0.00051
7.95	0.92901	0.00048
8.00	0.93199	0.00051
8.05	0.93551	0.00049
8.10	0.93848	0.00052
8.15	0.94217	0.00051
8.20	0.94513	0.00051
8.25	0.94945	0.00051
8.30	0.95240	0.00048
8.35	0.95532	0.00049
8.40	0.95780	0.00048
8.45	0.96138	0.00052
8.50	0.96484	0.00051
8.55	0.96757	0.00050
8.60	0.97036	0.00050
8.65	0.97290	0.00049
8.70	0.97697	0.00050
8.75	0.98037	0.00048
8.80	0.98216	0.00049
8.85	0.98562	0.00047
8.90	0.98780	0.00047
8.95	0.99095	0.00051
9.00	0.99374	0.00048
9.05	0.99666	0.00048
9.10	0.99925	0.00051
9.15	1.00081	0.00050
9.20	1.00355	0.00049
9.25	1.00636	0.00049
9.30	1.00936	0.00046

25		
7.00	0.91083	0.00055
7.05	0.91428	0.00052
7.10	0.91958	0.00053
7.15	0.92426	0.00054
7.20	0.92924	0.00055
7.25	0.93224	0.00054
7.30	0.93642	0.00053
7.35	0.94025	0.00053
7.40	0.94432	0.00056
7.45	0.94936	0.00054
7.50	0.95206	0.00054
7.55	0.95617	0.00055
7.60	0.96039	0.00055
7.65	0.96439	0.00056
7.70	0.96732	0.00055
7.75	0.97156	0.00053
7.80	0.97523	0.00055
7.85	0.97870	0.00054
7.90	0.98299	0.00052
7.95	0.98512	0.00053
8.00	0.98955	0.00054
8.05	0.99350	0.00053
8.10	0.99622	0.00055
8.15	0.99993	0.00053
8.20	1.00406	0.00054
8.25	1.00691	0.00052
8.30	1.01076	0.00053

30		
6.70	0.92211	0.00056
6.75	0.92722	0.00059
6.80	0.93151	0.00058
6.85	0.93606	0.00057
6.90	0.94157	0.00055
6.95	0.94477	0.00057
7.00	0.94932	0.00058
7.05	0.95496	0.00056
7.10	0.95893	0.00056
7.15	0.96331	0.00056
7.20	0.96628	0.00056
7.25	0.97153	0.00055
7.30	0.97649	0.00056
7.35	0.97968	0.00058
7.40	0.98285	0.00055
7.45	0.98862	0.00055
7.50	0.99178	0.00057
7.55	0.99719	0.00056
7.60	0.99980	0.00056
7.65	1.00422	0.00057
7.70	1.00810	0.00055

40		
6.00	0.89586	0.00061
6.05	0.90266	0.00059
6.10	0.90691	0.00061
6.15	0.91321	0.00060
6.20	0.91859	0.00059
6.25	0.92516	0.00058
6.30	0.93005	0.00061
6.35	0.93456	0.00058
6.40	0.94077	0.00061
6.45	0.94712	0.00059
6.50	0.95148	0.00060
6.55	0.95610	0.00061
6.60	0.96199	0.00062
6.65	0.96642	0.00061
6.70	0.97106	0.00062
6.75	0.97608	0.00060
6.80	0.98032	0.00060
6.85	0.98517	0.00060
6.90	0.98969	0.00059
6.95	0.99522	0.00059
7.00	0.99932	0.00058
7.05	1.00382	0.00061
7.10	1.00823	0.00061
7.15	1.01376	0.00058
7.20	1.01734	0.00062

50		
5.90	0.91327	0.00061
5.95	0.91853	0.00062
6.00	0.92349	0.00064
6.05	0.93011	0.00065
6.10	0.93674	0.00063
6.15	0.94159	0.00063
6.20	0.94746	0.00064
6.25	0.95352	0.00064
6.30	0.95829	0.00063
6.35	0.96391	0.00064
6.40	0.96847	0.00063
6.45	0.97395	0.00059
6.50	0.97948	0.00064
6.55	0.98598	0.00064
6.60	0.99084	0.00063
6.65	0.99622	0.00066
6.70	0.99993	0.00060
6.75	1.00490	0.00061
6.80	1.00975	0.00060

75			100			150		
5.70	0.92155	0.00066	5.60	0.92098	0.00067	5.50	0.91338	0.00068
5.75	0.92831	0.00063	5.65	0.92725	0.00067	5.52	0.91687	0.00067
5.80	0.93365	0.00066	5.70	0.93351	0.00066	5.54	0.91800	0.00068
5.85	0.94087	0.00067	5.75	0.94006	0.00065	5.56	0.92072	0.00067
5.90	0.94563	0.00065	5.80	0.94621	0.00065	5.58	0.92308	0.00066
5.95	0.95260	0.00064	5.85	0.95189	0.00065	5.60	0.92621	0.00067
6.00	0.95705	0.00067	5.90	0.95655	0.00068	5.62	0.92772	0.00067
6.05	0.96290	0.00066	5.95	0.96456	0.00069	5.64	0.93122	0.00066
6.10	0.96942	0.00068	6.00	0.96949	0.00064	5.66	0.93265	0.00066
6.15	0.97489	0.00066	6.05	0.97490	0.00068	5.68	0.93667	0.00067
6.20	0.98097	0.00066	6.10	0.98022	0.00066	5.70	0.93818	0.00067
6.25	0.98695	0.00066	6.15	0.98674	0.00064	5.72	0.94134	0.00065
6.30	0.99256	0.00065	6.20	0.99235	0.00065	5.74	0.94232	0.00065
6.35	0.99649	0.00066	6.25	0.99709	0.00069	5.76	0.94535	0.00065
6.40	1.00318	0.00067	6.30	1.00424	0.00066	5.78	0.94718	0.00068
6.45	1.00708	0.00066	6.35	1.00856	0.00063	5.80	0.95008	0.00064
6.50	1.01234	0.00064	6.40	1.01282	0.00068	5.82	0.95158	0.00067
						5.84	0.95489	0.00067
						5.86	0.95684	0.00070
						5.88	0.96035	0.00067
						5.90	0.96223	0.00067
						5.92	0.96477	0.00067
						5.94	0.96639	0.00068
						5.96	0.96948	0.00066
						5.98	0.97103	0.00068
						6.00	0.97440	0.00067
						6.02	0.97540	0.00067
						6.04	0.97742	0.00067
						6.06	0.97914	0.00067
						6.08	0.98254	0.00064
						6.10	0.98501	0.00067
						6.12	0.98776	0.00069
						6.14	0.98846	0.00068
						6.16	0.99120	0.00066
						6.18	0.99217	0.00066
						6.20	0.99532	0.00068
						6.22	0.99778	0.00065
						6.24	1.00071	0.00071
						6.26	1.00225	0.00066
						6.28	1.00378	0.00067
						6.30	1.00605	0.00066

200			350			500		
5.50	0.91255	0.00069	5.60	0.91890	0.00067	5.60	0.92186	0.00066
5.55	0.91771	0.00068	5.65	0.92494	0.00068	5.65	0.92700	0.00065
5.60	0.92450	0.00070	5.70	0.93178	0.00066	5.70	0.93373	0.00068
5.65	0.93052	0.00068	5.75	0.93818	0.00067	5.75	0.93876	0.00065
5.70	0.93638	0.00065	5.80	0.94195	0.00067	5.80	0.94399	0.00069
5.75	0.94273	0.00068	5.85	0.94884	0.00064	5.85	0.94894	0.00065
5.80	0.94948	0.00069	5.90	0.95312	0.00067	5.90	0.95414	0.00065
5.85	0.95439	0.00067	5.95	0.95866	0.00068	5.95	0.95921	0.00065
5.90	0.96028	0.00067	6.00	0.96524	0.00064	6.00	0.96421	0.00067
5.95	0.96649	0.00068	6.05	0.97035	0.00065	6.05	0.97038	0.00067
6.00	0.97187	0.00065	6.10	0.97463	0.00066	6.10	0.97451	0.00065
6.05	0.97626	0.00066	6.15	0.98041	0.00066	6.15	0.97881	0.00066
6.10	0.98206	0.00069	6.20	0.98512	0.00066	6.20	0.98508	0.00068

6.15	0.98768	0.00066
6.25	0.99656	0.00068
6.30	1.00290	0.00067
6.35	1.00835	0.00069
6.40	1.01313	0.00066

6.25	0.98920	0.00067
6.30	0.99426	0.00069
6.35	0.99870	0.00067
6.40	1.00408	0.00068
6.45	1.00898	0.00070
6.50	1.01255	0.00065

6.25	0.99041	0.00065
6.30	0.99422	0.00066
6.35	1.00059	0.00062
6.40	1.00348	0.00065
6.45	1.00872	0.00066
6.50	1.01378	0.00069

750

5.50	0.92229	0.00064
5.55	0.92911	0.00065
5.60	0.93368	0.00070
5.65	0.93934	0.00067
5.70	0.94526	0.00066
5.75	0.95120	0.00067
5.80	0.95490	0.00065
5.85	0.95997	0.00063
5.90	0.96592	0.00064
5.95	0.97224	0.00065
6.00	0.97575	0.00069
6.05	0.98068	0.00067
6.10	0.98668	0.00064
6.15	0.99164	0.00067
6.20	0.99611	0.00065
6.25	1.00089	0.00067
6.30	1.00575	0.00068

1000

5.30	0.91965	0.00063
5.35	0.92545	0.00064
5.40	0.92991	0.00066
5.45	0.93633	0.00065
5.50	0.94136	0.00062
5.55	0.94715	0.00064
5.60	0.95213	0.00066
5.65	0.95853	0.00066
5.70	0.96436	0.00067
5.75	0.96893	0.00063
5.80	0.97460	0.00062
5.85	0.97840	0.00063
5.90	0.98516	0.00061
5.95	0.99000	0.00064
6.00	0.99403	0.00066
6.05	0.99972	0.00068
6.10	1.00475	0.00064
6.15	1.00859	0.00065
6.20	1.01591	0.00067

1500

4.90	0.91322	0.00063
4.92	0.91672	0.00063
4.94	0.91992	0.00063
4.96	0.92103	0.00061
4.98	0.92430	0.00062
5.00	0.92681	0.00066
5.02	0.92829	0.00063
5.04	0.93264	0.00064
5.06	0.93494	0.00066
5.08	0.93810	0.00060
5.10	0.93942	0.00061
5.12	0.94183	0.00063
5.14	0.94369	0.00062
5.16	0.94675	0.00066
5.18	0.94977	0.00063
5.20	0.95216	0.00064
5.22	0.95383	0.00063
5.24	0.95717	0.00062
5.26	0.95895	0.00062
5.28	0.96192	0.00063
5.30	0.96476	0.00064
5.32	0.96622	0.00064
5.34	0.96898	0.00066
5.36	0.97020	0.00061
5.38	0.97265	0.00063
5.40	0.97503	0.00062
5.42	0.97761	0.00064
5.44	0.98029	0.00065
5.46	0.98231	0.00064
5.48	0.98514	0.00064
5.50	0.98614	0.00064
5.52	0.98998	0.00065
5.56	0.99328	0.00063
5.58	0.99636	0.00061
5.60	0.99857	0.00065
5.62	1.00121	0.00064
5.64	1.00283	0.00064
5.66	1.00510	0.00062
5.68	1.00683	0.00066
5.70	1.00917	0.00067

2000			2500			3000		
4.60	0.92076	0.00063	4.30	0.92190	0.00061	4.00	0.91530	0.00060
4.62	0.92249	0.00060	4.32	0.92444	0.00061	4.02	0.91771	0.00060
4.64	0.92594	0.00063	4.34	0.92771	0.00062	4.04	0.92118	0.00059
4.66	0.92902	0.00060	4.36	0.93069	0.00061	4.06	0.92492	0.00060
4.68	0.93144	0.00063	4.38	0.93319	0.00061	4.08	0.92946	0.00061
4.70	0.93482	0.00060	4.40	0.93701	0.00059	4.10	0.93292	0.00062
4.72	0.93611	0.00061	4.42	0.94021	0.00059	4.12	0.93586	0.00061
4.74	0.94024	0.00060	4.44	0.94340	0.00061	4.14	0.93855	0.00063
4.76	0.94213	0.00063	4.46	0.94549	0.00061	4.16	0.94048	0.00061
4.78	0.94455	0.00060	4.48	0.94838	0.00061	4.18	0.94542	0.00059
4.80	0.94673	0.00064	4.50	0.95154	0.00060	4.20	0.94919	0.00061
4.82	0.95015	0.00061	4.52	0.95437	0.00059	4.22	0.95271	0.00059
4.84	0.95228	0.00064	4.54	0.95867	0.00063	4.24	0.95441	0.00061
4.86	0.95649	0.00061	4.56	0.96010	0.00060	4.26	0.95920	0.00061
4.88	0.95884	0.00062	4.58	0.96275	0.00060	4.28	0.96122	0.00060
4.90	0.96173	0.00061	4.60	0.96634	0.00063	4.30	0.96570	0.00060
4.92	0.96439	0.00062	4.62	0.96865	0.00063	4.32	0.96835	0.00059
4.94	0.96693	0.00062	4.64	0.97315	0.00061	4.34	0.97110	0.00061
4.96	0.96924	0.00063	4.66	0.97450	0.00060	4.36	0.97438	0.00060
4.98	0.97132	0.00060	4.68	0.97658	0.00060	4.38	0.97758	0.00062
5.00	0.97481	0.00062	4.70	0.98077	0.00063	4.40	0.98006	0.00064
5.02	0.97723	0.00062	4.72	0.98289	0.00061	4.42	0.98327	0.00062
5.04	0.98041	0.00062	4.74	0.98567	0.00061	4.44	0.98654	0.00063
5.06	0.98237	0.00063	4.76	0.98916	0.00061	4.46	0.98917	0.00062
5.08	0.98577	0.00058	4.78	0.99226	0.00062	4.48	0.99254	0.00061
5.10	0.98851	0.00060	4.80	0.99524	0.00063	4.50	0.99671	0.00064
5.12	0.98973	0.00062	4.82	0.99762	0.00061	4.52	0.99909	0.00063
5.14	0.99273	0.00063	4.84	1.00155	0.00063	4.54	1.00249	0.00062
5.16	0.99425	0.00063	4.86	1.00317	0.00061	4.56	1.00658	0.00063
5.18	0.99903	0.00063	4.88	1.00552	0.00061	4.58	1.00901	0.00061
5.20	0.99982	0.00061	4.90	1.00917	0.00062	4.60	1.01057	0.00061
5.22	1.00257	0.00062	4.92	1.01119	0.00061			
5.24	1.00412	0.00061	4.94	1.01347	0.00064			
5.26	1.00695	0.00065	4.96	1.01659	0.00063			
5.28	1.01017	0.00063	4.98	1.01967	0.00062			
5.30	1.01268	0.00062	5.00	1.02227	0.00063			

4000			5000			7500		
3.60	0.92103	0.00060	3.20	0.90740	0.00055	2.60	0.90888	0.00055
3.62	0.92437	0.00062	3.22	0.91116	0.00059	2.62	0.91383	0.00052
3.64	0.92902	0.00059	3.24	0.91625	0.00059	2.64	0.91988	0.00053
3.66	0.93243	0.00059	3.26	0.92070	0.00058	2.66	0.92533	0.00054
3.68	0.93590	0.00057	3.28	0.92559	0.00057	2.68	0.93163	0.00054
3.70	0.94085	0.00059	3.30	0.93093	0.00056	2.70	0.93638	0.00055
3.72	0.94450	0.00061	3.32	0.93439	0.00059	2.72	0.94303	0.00055
3.74	0.94792	0.00059	3.34	0.93941	0.00059	2.74	0.94720	0.00055
3.76	0.95259	0.00060	3.36	0.94302	0.00057	2.76	0.95395	0.00056
3.78	0.95555	0.00060	3.38	0.94736	0.00058	2.78	0.95830	0.00056
3.80	0.95980	0.00061	3.40	0.95206	0.00059	2.80	0.96442	0.00052
3.82	0.96339	0.00056	3.42	0.95652	0.00058	2.82	0.96942	0.00056
3.84	0.96774	0.00059	3.44	0.96120	0.00058	2.84	0.97473	0.00055
3.86	0.97068	0.00058	3.46	0.96442	0.00060	2.86	0.98034	0.00056
3.88	0.97529	0.00059	3.48	0.96893	0.00056	2.88	0.98535	0.00055
3.90	0.97856	0.00060	3.50	0.97333	0.00059	2.90	0.99135	0.00055
3.92	0.98239	0.00062	3.52	0.97678	0.00059	2.92	0.99602	0.00055
3.94	0.98556	0.00061	3.54	0.98179	0.00060	2.94	1.00210	0.00056
3.96	0.98968	0.00059	3.56	0.98553	0.00061	2.96	1.00584	0.00056

3.98	0.99230	0.00059	3.58	0.99112	0.00057	2.98	1.01109	0.00057
4.00	0.99635	0.00059	3.60	0.99472	0.00061	3.00	1.01701	0.00057
4.02	0.99940	0.00060	3.62	0.99839	0.00060			
4.04	1.00308	0.00063	3.64	1.00311	0.00061			
4.06	1.00813	0.00061	3.66	1.00669	0.00060			
4.08	1.01059	0.00059	3.68	1.01150	0.00060			
4.10	1.01504	0.00061	3.70	1.01478	0.00062			

10000			15000			19600		
2.20	0.91764	0.00050	1.60	0.92199	0.00048	1.20	0.91078	0.00048
2.22	0.92387	0.00052	1.62	0.92977	0.00050	1.21	0.91526	0.00050
2.24	0.93059	0.00050	1.64	0.93866	0.00046	1.22	0.92123	0.00049
2.26	0.93731	0.00052	1.66	0.94629	0.00050	1.23	0.92598	0.00049
2.28	0.94374	0.00052	1.68	0.95463	0.00049	1.24	0.93087	0.00048
2.30	0.94977	0.00050	1.70	0.96214	0.00047	1.25	0.93679	0.00051
2.32	0.95625	0.00053	1.72	0.97141	0.00050	1.26	0.94248	0.00050
2.34	0.96286	0.00052	1.74	0.97904	0.00047	1.27	0.94775	0.00048
2.36	0.96889	0.00049	1.76	0.98773	0.00049	1.28	0.95264	0.00049
2.38	0.97542	0.00053	1.78	0.99497	0.00049	1.29	0.95764	0.00050
2.40	0.98215	0.00052	1.80	1.00337	0.00049	1.30	0.96287	0.00052
2.42	0.98787	0.00052	1.82	1.01183	0.00049	1.31	0.96740	0.00050
2.44	0.99355	0.00052	1.84	1.01873	0.00052	1.32	0.97303	0.00050
2.46	1.00039	0.00054	1.86	1.02603	0.00054	1.33	0.97856	0.00051
2.48	1.00659	0.00052	1.88	1.03500	0.00052	1.34	0.98306	0.00050
2.50	1.01310	0.00051	1.90	1.04316	0.00051	1.35	0.98804	0.00051
						1.36	0.99389	0.00052
						1.37	0.99890	0.00051
						1.38	1.00352	0.00052
						1.39	1.00861	0.00050
						1.40	1.01329	0.00052

sumtable.pu-pl-0900-01

10			11			12		
11.00	0.87987	0.00033	11.00	0.91840	0.00036	10.00	0.92592	0.00039
11.50	0.89104	0.00034	11.25	0.92352	0.00034	10.20	0.93116	0.00037
12.00	0.90244	0.00033	11.50	0.93038	0.00036	10.40	0.93681	0.00037
12.50	0.91215	0.00033	11.75	0.93559	0.00035	10.60	0.94242	0.00038
13.00	0.92027	0.00032	12.00	0.94019	0.00034	10.80	0.94784	0.00035
13.50	0.92831	0.00031	12.25	0.94628	0.00032	11.00	0.95298	0.00036
14.00	0.93604	0.00031	12.50	0.95099	0.00033	11.20	0.95695	0.00036
14.50	0.94331	0.00031	12.75	0.95570	0.00033	11.40	0.96243	0.00035
15.00	0.94946	0.00031	13.00	0.95955	0.00033	11.60	0.96706	0.00035
15.50	0.95644	0.00028	13.25	0.96382	0.00033	11.80	0.97143	0.00036
16.00	0.96116	0.00029	13.50	0.96784	0.00032	12.00	0.97589	0.00033
16.50	0.96615	0.00029	13.75	0.97209	0.00032	12.20	0.98028	0.00036
17.00	0.97135	0.00029	14.00	0.97627	0.00032	12.40	0.98370	0.00035
17.50	0.97575	0.00029	14.25	0.97966	0.00033	12.60	0.98799	0.00035
18.00	0.98069	0.00027	14.50	0.98323	0.00032	12.80	0.99203	0.00033
18.50	0.98479	0.00027	14.75	0.98692	0.00033	13.00	0.99527	0.00033
19.00	0.98847	0.00027	15.00	0.99010	0.00031	13.20	0.99863	0.00035
19.50	0.99194	0.00027	15.25	0.99305	0.00032	13.40	1.00202	0.00034
20.00	0.99571	0.00027	15.50	0.99612	0.00031	13.60	1.00491	0.00034
20.50	0.99879	0.00027	15.75	0.99966	0.00030	13.80	1.00888	0.00032
21.00	1.00161	0.00026	16.00	1.00163	0.00031	14.00	1.01208	0.00033

15			20			25		
8.00	0.93016	0.00043	6.30	0.92084	0.00049	5.60	0.92345	0.00050
8.10	0.93448	0.00043	6.35	0.92447	0.00049	5.65	0.92647	0.00051
8.20	0.94001	0.00043	6.40	0.92775	0.00049	5.70	0.92973	0.00052
8.30	0.94420	0.00042	6.45	0.93161	0.00049	5.75	0.93354	0.00053
8.40	0.94871	0.00041	6.50	0.93540	0.00048	5.80	0.93954	0.00054
8.50	0.95277	0.00042	6.55	0.93793	0.00049	5.85	0.94349	0.00053
8.60	0.95665	0.00040	6.60	0.94043	0.00049	5.90	0.94749	0.00051
8.70	0.96082	0.00041	6.65	0.94412	0.00047	5.95	0.95117	0.00054
8.80	0.96509	0.00043	6.70	0.94785	0.00049	6.00	0.95494	0.00051
8.90	0.96875	0.00042	6.75	0.95046	0.00048	6.05	0.95877	0.00053
9.00	0.97283	0.00041	6.80	0.95419	0.00048	6.10	0.96375	0.00051
9.10	0.97682	0.00041	6.85	0.95733	0.00048	6.15	0.96684	0.00050
9.20	0.98047	0.00041	6.90	0.96051	0.00047	6.20	0.96987	0.00054
9.30	0.98355	0.00041	6.95	0.96352	0.00049	6.25	0.97509	0.00050
9.40	0.98770	0.00041	7.00	0.96533	0.00049	6.30	0.97836	0.00053
9.50	0.99118	0.00040	7.05	0.96905	0.00049	6.35	0.98182	0.00054
9.60	0.99480	0.00040	7.10	0.97257	0.00047	6.40	0.98435	0.00051
9.70	0.99851	0.00040	7.15	0.97483	0.00047	6.45	0.98906	0.00052
9.80	1.00092	0.00040	7.20	0.97795	0.00049	6.50	0.99236	0.00052
9.90	1.00454	0.00041	7.25	0.98091	0.00044	6.55	0.99571	0.00050
10.00	1.00762	0.00041	7.30	0.98429	0.00046	6.60	0.99966	0.00053
10.10	1.01061	0.00041	7.35	0.98730	0.00047	6.65	1.00280	0.00050
10.20	1.01425	0.00041	7.40	0.98946	0.00048	6.70	1.00596	0.00052
10.30	1.01649	0.00041	7.45	0.99277	0.00048	6.75	1.00826	0.00052
10.40	1.02008	0.00040	7.50	0.99511	0.00046	6.80	1.01213	0.00051
10.50	1.02211	0.00039	7.55	0.99805	0.00047	6.85	1.01619	0.00053
			7.60	1.00119	0.00046	6.90	1.01909	0.00048
			7.65	1.00311	0.00047	6.95	1.02153	0.00052
			7.70	1.00563	0.00047	7.00	1.02614	0.00050

30			40			50		
5.00	0.90533	0.00058	4.70	0.92511	0.00059	4.40	0.91914	0.00062
5.05	0.90999	0.00056	4.75	0.92965	0.00057	4.45	0.92545	0.00060
5.10	0.91538	0.00054	4.80	0.93498	0.00061	4.50	0.93064	0.00060
5.15	0.92002	0.00054	4.85	0.94015	0.00057	4.55	0.93623	0.00061
5.20	0.92634	0.00057	4.90	0.94656	0.00057	4.60	0.94329	0.00061
5.25	0.92961	0.00054	4.95	0.95133	0.00057	4.65	0.94915	0.00061
5.30	0.93475	0.00055	5.00	0.95637	0.00061	4.70	0.95459	0.00063
5.35	0.93904	0.00056	5.05	0.96099	0.00059	4.75	0.95979	0.00060
5.40	0.94488	0.00056	5.10	0.96717	0.00059	4.80	0.96430	0.00061
5.45	0.94821	0.00053	5.15	0.97148	0.00058	4.85	0.97048	0.00062
5.50	0.95423	0.00053	5.20	0.97678	0.00058	4.90	0.97541	0.00062
5.55	0.95777	0.00054	5.25	0.98045	0.00058	4.95	0.98034	0.00059
5.60	0.96245	0.00055	5.30	0.98655	0.00058	5.00	0.98517	0.00060
5.65	0.96642	0.00051	5.35	0.99028	0.00059	5.05	0.99099	0.00059
5.70	0.97060	0.00056	5.40	0.99556	0.00059	5.10	0.99736	0.00060
5.75	0.97566	0.00053	5.45	0.99959	0.00058	5.15	1.00229	0.00060
5.80	0.97859	0.00054	5.50	1.00474	0.00057	5.20	1.00639	0.00061
5.85	0.98354	0.00057				5.25	1.01244	0.00060
5.90	0.98668	0.00056				5.30	1.01538	0.00059
5.95	0.99176	0.00057						
6.00	0.99532	0.00053						
6.05	0.99992	0.00056						
6.10	1.00285	0.00056						
6.15	1.00772	0.00052						
6.20	1.01124	0.00056						

75			100			150		
4.10	0.91756	0.00061	4.00	0.91995	0.00062	3.90	0.91529	0.00067
4.12	0.92160	0.00063	4.02	0.92371	0.00064	3.92	0.91774	0.00067
4.14	0.92301	0.00063	4.04	0.92558	0.00064	3.94	0.91992	0.00064
4.16	0.92604	0.00064	4.06	0.92837	0.00065	3.96	0.92188	0.00065
4.18	0.92821	0.00061	4.08	0.93053	0.00065	3.98	0.92564	0.00065
4.20	0.93069	0.00064	4.10	0.93237	0.00066	4.00	0.92766	0.00066
4.22	0.93381	0.00062	4.12	0.93391	0.00067	4.02	0.93075	0.00062
4.24	0.93560	0.00065	4.14	0.93827	0.00063	4.04	0.93339	0.00066
4.26	0.93892	0.00064	4.16	0.93901	0.00063	4.06	0.93530	0.00067
4.28	0.94010	0.00062	4.18	0.94275	0.00066	4.08	0.93801	0.00064
4.30	0.94253	0.00062	4.20	0.94464	0.00065	4.10	0.93997	0.00064
4.32	0.94661	0.00062	4.22	0.94729	0.00064	4.12	0.94197	0.00067
4.34	0.94774	0.00063	4.24	0.95099	0.00062	4.14	0.94533	0.00064
4.36	0.95032	0.00062	4.26	0.95162	0.00066	4.16	0.94727	0.00065
4.38	0.95380	0.00063	4.28	0.95512	0.00065	4.18	0.94952	0.00066
4.40	0.95534	0.00065	4.30	0.95755	0.00063	4.20	0.95155	0.00063
4.42	0.95764	0.00063	4.32	0.95955	0.00064	4.22	0.95564	0.00065
4.44	0.95989	0.00065	4.34	0.96245	0.00066	4.24	0.95655	0.00065
4.46	0.96333	0.00062	4.36	0.96387	0.00065	4.26	0.95950	0.00064
4.48	0.96510	0.00064	4.38	0.96697	0.00067	4.28	0.96200	0.00066
4.50	0.96663	0.00061	4.40	0.96936	0.00067	4.30	0.96444	0.00065
4.52	0.96952	0.00063	4.42	0.96974	0.00065	4.32	0.96649	0.00066
4.54	0.97210	0.00064	4.44	0.97289	0.00063	4.34	0.96805	0.00065
4.56	0.97395	0.00064	4.46	0.97658	0.00065	4.36	0.97227	0.00065
4.58	0.97700	0.00062	4.48	0.97864	0.00063	4.38	0.97331	0.00064
4.60	0.97865	0.00065	4.50	0.97992	0.00063	4.40	0.97506	0.00065
4.62	0.98081	0.00063	4.52	0.98236	0.00065	4.42	0.97727	0.00064
4.64	0.98509	0.00063	4.54	0.98535	0.00064	4.44	0.97853	0.00065
4.66	0.98532	0.00061	4.56	0.98778	0.00067	4.46	0.98200	0.00067
4.68	0.98755	0.00064	4.58	0.98844	0.00063	4.48	0.98339	0.00066
4.70	0.98966	0.00064	4.60	0.99122	0.00064	4.50	0.98651	0.00064
4.72	0.99285	0.00062	4.62	0.99297	0.00063	4.52	0.98855	0.00064
4.74	0.99414	0.00061	4.64	0.99585	0.00062	4.54	0.99089	0.00066
4.76	0.99674	0.00060	4.66	0.99753	0.00065	4.56	0.99264	0.00067
4.78	0.99940	0.00060	4.68	1.00033	0.00065	4.58	0.99503	0.00065
4.80	1.00149	0.00063	4.70	1.00194	0.00065	4.60	0.99748	0.00064
4.82	1.00283	0.00062	4.72	1.00586	0.00064	4.62	0.99836	0.00064
4.84	1.00541	0.00063	4.74	1.00691	0.00064	4.64	1.00179	0.00065
4.86	1.00660	0.00063	4.76	1.00947	0.00064	4.66	1.00392	0.00064
4.88	1.00845	0.00061	4.78	1.01099	0.00063	4.68	1.00600	0.00064
4.90	1.01166	0.00062	4.80	1.01401	0.00063	4.70	1.00834	0.00063
4.92	1.01298	0.00065						
4.94	1.01564	0.00064						
4.96	1.01808	0.00061						
4.98	1.02084	0.00063						
5.00	1.02169	0.00065						

200			350			500		
3.90	0.91492	0.00065	4.00	0.92436	0.00067	3.90	0.91342	0.00066
3.92	0.91770	0.00066	4.05	0.92933	0.00067	3.95	0.91843	0.00068
3.94	0.91911	0.00066	4.10	0.93489	0.00065	4.00	0.92426	0.00066
3.96	0.92270	0.00068	4.15	0.94187	0.00065	4.05	0.92987	0.00065
3.98	0.92487	0.00064	4.20	0.94717	0.00066	4.10	0.93586	0.00066
4.00	0.92791	0.00067	4.25	0.95287	0.00064	4.15	0.94152	0.00063
4.02	0.93058	0.00066	4.30	0.95589	0.00068	4.20	0.94751	0.00064
4.04	0.93263	0.00065	4.35	0.96347	0.00064	4.25	0.95302	0.00065
4.06	0.93450	0.00064	4.40	0.96857	0.00067	4.30	0.95785	0.00064
4.08	0.93775	0.00067	4.45	0.97347	0.00068	4.35	0.96278	0.00065
4.10	0.93937	0.00066	4.50	0.97920	0.00065	4.40	0.96697	0.00066
4.12	0.94223	0.00065	4.55	0.98365	0.00066	4.45	0.97379	0.00064
4.14	0.94487	0.00066	4.60	0.98864	0.00066	4.50	0.97741	0.00067
4.16	0.94683	0.00064	4.65	0.99412	0.00065	4.55	0.98325	0.00065
4.18	0.94987	0.00066	4.70	0.99815	0.00066	4.60	0.98944	0.00066
4.20	0.95208	0.00065	4.75	1.00253	0.00066	4.65	0.99373	0.00066
4.22	0.95383	0.00064	4.80	1.00789	0.00065	4.70	0.99686	0.00066
4.24	0.95720	0.00066				4.75	1.00245	0.00065
4.26	0.95753	0.00066				4.80	1.00709	0.00064
4.28	0.95913	0.00065						
4.30	0.96327	0.00067						
4.32	0.96652	0.00064						
4.34	0.96637	0.00063						
4.36	0.97046	0.00065						
4.38	0.97085	0.00063						
4.40	0.97421	0.00067						
4.42	0.97675	0.00065						
4.44	0.97868	0.00062						
4.46	0.98182	0.00068						
4.48	0.98281	0.00066						
4.50	0.98540	0.00069						
4.52	0.98695	0.00066						
4.54	0.99019	0.00067						
4.56	0.99238	0.00066						
4.58	0.99422	0.00066						
4.60	0.99604	0.00065						
4.62	0.99804	0.00065						
4.64	0.99951	0.00066						
4.66	1.00208	0.00066						
4.68	1.00333	0.00067						
4.70	1.00595	0.00067						

750			1000			1500		
3.90	0.92334	0.00064	3.70	0.91379	0.00063	3.50	0.92703	0.00064
3.95	0.92806	0.00064	3.75	0.92090	0.00065	3.52	0.93001	0.00063
4.00	0.93341	0.00066	3.80	0.92664	0.00066	3.54	0.93181	0.00063
4.05	0.93998	0.00068	3.85	0.93178	0.00065	3.56	0.93484	0.00068
4.10	0.94528	0.00062	3.90	0.93902	0.00064	3.58	0.93656	0.00063
4.15	0.95066	0.00065	3.95	0.94392	0.00066	3.60	0.93942	0.00064
4.20	0.95524	0.00065	4.00	0.94890	0.00065	3.62	0.94138	0.00065
4.25	0.96060	0.00065	4.05	0.95568	0.00066	3.64	0.94447	0.00063
4.30	0.96643	0.00066	4.10	0.96061	0.00066	3.66	0.94755	0.00062
4.35	0.97017	0.00067	4.15	0.96662	0.00064	3.68	0.95082	0.00064
4.40	0.97651	0.00068	4.20	0.97109	0.00062	3.70	0.95306	0.00063
4.45	0.98169	0.00067	4.25	0.97604	0.00064	3.72	0.95419	0.00064
4.50	0.98619	0.00066	4.30	0.98168	0.00065	3.74	0.95672	0.00064
4.55	0.99166	0.00067	4.35	0.98621	0.00066	3.76	0.95907	0.00065

4.60	0.99685	0.00063
4.65	1.00042	0.00068
4.70	1.00565	0.00065
4.75	1.00994	0.00068
4.80	1.01474	0.00064

4.40	0.99166	0.00064
4.45	0.99734	0.00064
4.50	1.00128	0.00065
4.55	1.00672	0.00064
4.60	1.01078	0.00068

3.78	0.96131	0.00063
3.80	0.96427	0.00063
3.82	0.96627	0.00065
3.84	0.96894	0.00064
3.86	0.97136	0.00063
3.88	0.97395	0.00063
3.90	0.97600	0.00064
3.92	0.97761	0.00066
3.94	0.98003	0.00065
3.96	0.98300	0.00063
3.98	0.98517	0.00061
4.00	0.98742	0.00063
4.02	0.99044	0.00066
4.04	0.99207	0.00065
4.06	0.99442	0.00065
4.08	0.99627	0.00067
4.10	0.99771	0.00066
4.12	1.00128	0.00066
4.14	1.00230	0.00062
4.16	1.00587	0.00067
4.18	1.00769	0.00063
4.20	1.00996	0.00065

2000

3.10	0.90953	0.00064
3.12	0.91290	0.00062
3.14	0.91591	0.00062
3.16	0.91981	0.00060
3.18	0.92196	0.00063
3.20	0.92564	0.00064
3.22	0.92834	0.00060
3.24	0.93059	0.00064
3.26	0.93280	0.00065
3.28	0.93636	0.00061
3.30	0.93874	0.00065
3.32	0.94215	0.00063
3.34	0.94378	0.00062
3.36	0.94847	0.00062
3.38	0.94958	0.00062
3.40	0.95319	0.00064
3.42	0.95649	0.00062
3.44	0.95851	0.00063
3.46	0.96086	0.00064
3.48	0.96372	0.00064
3.50	0.96578	0.00062
3.52	0.96913	0.00061
3.54	0.97156	0.00060
3.56	0.97450	0.00063
3.58	0.97738	0.00064
3.60	0.97945	0.00061
3.62	0.98261	0.00066
3.64	0.98399	0.00063
3.66	0.98780	0.00063
3.68	0.99020	0.00061
3.70	0.99342	0.00064
3.72	0.99514	0.00063
3.74	0.99689	0.00063
3.76	1.00080	0.00062
3.78	1.00246	0.00063
3.80	1.00534	0.00063

2500

3.00	0.93262	0.00063
3.02	0.93662	0.00065
3.04	0.93963	0.00063
3.06	0.94278	0.00064
3.08	0.94539	0.00062
3.10	0.94849	0.00060
3.12	0.95212	0.00063
3.14	0.95445	0.00061
3.16	0.95782	0.00062
3.18	0.96110	0.00061
3.20	0.96403	0.00061
3.22	0.96696	0.00064
3.24	0.97021	0.00063
3.26	0.97277	0.00063
3.28	0.97644	0.00061
3.30	0.97853	0.00062
3.32	0.98246	0.00063
3.34	0.98417	0.00062
3.36	0.98651	0.00061
3.38	0.99022	0.00063
3.40	0.99345	0.00062
3.42	0.99529	0.00064
3.44	0.99834	0.00063
3.46	1.00093	0.00063
3.48	1.00370	0.00060
3.50	1.00664	0.00061

3000

2.70	0.91885	0.00063
2.72	0.92248	0.00062
2.74	0.92506	0.00063
2.76	0.93022	0.00064
2.78	0.93332	0.00062
2.80	0.93607	0.00062
2.82	0.94072	0.00061
2.84	0.94367	0.00063
2.86	0.94726	0.00061
2.88	0.95070	0.00060
2.90	0.95405	0.00062
2.92	0.95631	0.00062
2.94	0.95981	0.00063
2.96	0.96322	0.00060
2.98	0.96522	0.00061
3.00	0.96967	0.00061
3.02	0.97317	0.00064
3.04	0.97612	0.00060
3.06	0.97984	0.00061
3.08	0.98248	0.00062
3.10	0.98689	0.00064
3.12	0.98910	0.00062
3.14	0.99288	0.00065
3.16	0.99568	0.00063
3.18	0.99790	0.00062
3.20	1.00180	0.00061
3.22	1.00527	0.00064
3.24	1.00811	0.00063
3.26	1.01048	0.00060
3.28	1.01305	0.00063
3.30	1.01689	0.00062

4000			5000			7500		
2.30	0.90738	0.00063	2.10	0.92219	0.00061	1.60	0.91212	0.00059
2.32	0.91301	0.00060	2.12	0.92802	0.00062	1.62	0.91798	0.00060
2.34	0.91627	0.00061	2.14	0.93204	0.00060	1.64	0.92511	0.00059
2.36	0.92001	0.00059	2.16	0.93559	0.00060	1.66	0.93030	0.00060
2.38	0.92317	0.00062	2.18	0.94165	0.00062	1.68	0.93707	0.00060
2.40	0.92844	0.00062	2.20	0.94458	0.00063	1.70	0.94251	0.00060
2.42	0.93287	0.00059	2.22	0.94989	0.00063	1.72	0.94809	0.00058
2.44	0.93583	0.00062	2.24	0.95473	0.00059	1.74	0.95366	0.00061
2.46	0.93968	0.00062	2.26	0.95805	0.00062	1.76	0.95926	0.00062
2.48	0.94457	0.00060	2.28	0.96275	0.00062	1.78	0.96594	0.00060
2.50	0.94858	0.00059	2.30	0.96845	0.00059	1.80	0.97113	0.00060
2.52	0.95271	0.00062	2.32	0.97259	0.00061	1.82	0.97696	0.00061
2.54	0.95709	0.00062	2.34	0.97623	0.00061	1.84	0.98284	0.00061
2.56	0.96009	0.00061	2.36	0.98047	0.00063	1.86	0.98955	0.00062
2.58	0.96437	0.00065	2.38	0.98409	0.00061	1.88	0.99553	0.00060
2.60	0.96788	0.00064	2.40	0.98955	0.00062	1.90	0.99924	0.00061
2.62	0.97176	0.00060	2.42	0.99386	0.00060	1.92	1.00527	0.00060
2.64	0.97535	0.00059	2.44	0.99834	0.00061	1.94	1.01054	0.00063
2.66	0.98067	0.00063	2.46	1.00189	0.00064	1.96	1.01620	0.00062
2.68	0.98463	0.00063	2.48	1.00636	0.00063	1.98	1.02120	0.00061
2.70	0.98766	0.00060	2.50	1.01169	0.00063	2.00	1.02742	0.00061
2.72	0.99139	0.00065						
2.74	0.99393	0.00063						
2.76	0.99857	0.00063						
2.78	1.00242	0.00064						
2.80	1.00636	0.00064						

10000			15000			19600		
1.30	0.91363	0.00058	0.90	0.90404	0.00058	0.70	0.90814	0.00054
1.32	0.92082	0.00058	0.92	0.91453	0.00057	0.71	0.91488	0.00057
1.34	0.92865	0.00058	0.94	0.92451	0.00059	0.72	0.92217	0.00057
1.36	0.93482	0.00061	0.96	0.93433	0.00058	0.73	0.92898	0.00057
1.38	0.94228	0.00060	0.98	0.94454	0.00058	0.74	0.93491	0.00057
1.40	0.95021	0.00058	1.00	0.95454	0.00059	0.75	0.94162	0.00056
1.42	0.95728	0.00060	1.02	0.96451	0.00060	0.76	0.94804	0.00059
1.44	0.96406	0.00060	1.04	0.97414	0.00060	0.77	0.95507	0.00056
1.46	0.97194	0.00060	1.06	0.98404	0.00061	0.78	0.96097	0.00056
1.48	0.97813	0.00060	1.08	0.99393	0.00058	0.79	0.96785	0.00057
1.50	0.98512	0.00060	1.10	1.00224	0.00059	0.80	0.97413	0.00060
1.52	0.99102	0.00059	1.12	1.01282	0.00061	0.81	0.97976	0.00058
1.54	0.99833	0.00059	1.14	1.02109	0.00059	0.82	0.98675	0.00059
1.56	1.00582	0.00061	1.15	1.02575	0.00058	0.83	0.99192	0.00058
1.58	1.01145	0.00058				0.84	0.99852	0.00058
1.60	1.01929	0.00058				0.85	1.00405	0.00059

sumtable.pu-pl-0900-10

10			11			12		
11.00	0.90463	0.00030	10.00	0.92108	0.00034	8.90	0.92605	0.00035
11.50	0.91358	0.00030	10.25	0.92671	0.00033	9.10	0.93225	0.00035
12.00	0.92197	0.00030	10.50	0.93273	0.00033	9.30	0.93723	0.00035
12.50	0.93064	0.00030	10.75	0.93797	0.00031	9.50	0.94321	0.00034
13.00	0.93783	0.00030	11.00	0.94243	0.00033	9.70	0.94805	0.00035
13.50	0.94481	0.00029	11.25	0.94807	0.00033	9.90	0.95342	0.00034
14.00	0.95080	0.00029	11.50	0.95287	0.00032	10.10	0.95848	0.00033
14.50	0.95686	0.00029	11.75	0.95723	0.00031	10.30	0.96344	0.00036
15.00	0.96253	0.00029	12.00	0.96221	0.00031	10.50	0.96696	0.00034
15.50	0.96753	0.00028	12.25	0.96588	0.00031	10.70	0.97210	0.00033
16.00	0.97227	0.00027	12.50	0.97027	0.00032	10.90	0.97623	0.00034
16.50	0.97733	0.00027	12.75	0.97367	0.00032	11.10	0.98043	0.00033
17.00	0.98149	0.00028	13.00	0.97837	0.00031	11.30	0.98434	0.00033
17.50	0.98543	0.00028	13.25	0.98215	0.00030	11.50	0.98847	0.00033
18.00	0.98941	0.00027	13.50	0.98540	0.00030	11.70	0.99182	0.00033
18.50	0.99227	0.00027	13.75	0.98860	0.00029	11.90	0.99555	0.00032
19.00	0.99650	0.00027	14.00	0.99159	0.00029	12.10	0.99957	0.00032
19.50	0.99909	0.00027	14.25	0.99469	0.00031	12.30	1.00300	0.00032
20.00	1.00296	0.00025	14.50	0.99845	0.00029	12.50	1.00613	0.00032
20.50	1.00556	0.00026	14.75	1.00141	0.00030	12.70	1.00918	0.00033
21.00	1.00783	0.00025	15.00	1.00390	0.00029	12.90	1.01260	0.00032
						13.00	1.01440	0.00031

15			20			25		
6.70	0.92280	0.00043	5.00	0.91012	0.00045	4.40	0.91954	0.00047
6.80	0.92730	0.00039	5.05	0.91172	0.00044	4.45	0.92397	0.00049
6.90	0.93186	0.00040	5.10	0.91638	0.00044	4.50	0.92822	0.00048
7.00	0.93603	0.00039	5.15	0.92013	0.00045	4.55	0.93237	0.00050
7.10	0.94045	0.00040	5.20	0.92380	0.00045	4.60	0.93710	0.00050
7.20	0.94569	0.00038	5.25	0.92714	0.00045	4.65	0.94150	0.00048
7.30	0.94991	0.00038	5.30	0.93081	0.00044	4.70	0.94627	0.00049
7.40	0.95453	0.00040	5.35	0.93376	0.00044	4.75	0.94922	0.00048
7.50	0.95801	0.00038	5.40	0.93787	0.00045	4.80	0.95383	0.00048
7.60	0.96202	0.00038	5.45	0.94122	0.00045	4.85	0.95724	0.00049
7.70	0.96666	0.00040	5.50	0.94417	0.00045	4.90	0.96177	0.00047
7.80	0.97096	0.00038	5.55	0.94843	0.00045	4.95	0.96586	0.00048
7.90	0.97431	0.00038	5.60	0.95165	0.00044	5.00	0.96977	0.00049
8.00	0.97782	0.00040	5.65	0.95367	0.00044	5.05	0.97356	0.00049
8.10	0.98194	0.00039	5.70	0.95750	0.00044	5.10	0.97643	0.00047
8.20	0.98524	0.00039	5.75	0.96143	0.00045	5.15	0.98096	0.00050
8.30	0.98954	0.00038	5.80	0.96397	0.00044	5.20	0.98464	0.00047
8.40	0.99284	0.00037	5.85	0.96721	0.00045	5.25	0.98931	0.00049
8.50	0.99644	0.00037	5.90	0.97017	0.00044	5.30	0.99198	0.00048
8.60	0.99924	0.00038	5.95	0.97264	0.00045	5.35	0.99595	0.00047
8.70	1.00247	0.00039	6.00	0.97602	0.00044	5.40	0.99866	0.00048
8.80	1.00571	0.00038	6.05	0.97946	0.00045	5.45	1.00175	0.00047
8.90	1.00932	0.00037	6.10	0.98218	0.00042	5.50	1.00564	0.00050
9.00	1.01208	0.00037	6.15	0.98444	0.00045			
			6.20	0.98731	0.00044			
			6.25	0.99054	0.00044			
			6.30	0.99324	0.00045			
			6.35	0.99655	0.00044			
			6.40	0.99924	0.00044			
			6.45	1.00215	0.00043			
			6.50	1.00462	0.00044			

30			40			50		
3.90	0.91563	0.00049	3.40	0.91729	0.00054	3.10	0.91690	0.00054
3.95	0.91948	0.00051	3.45	0.92406	0.00053	3.15	0.92327	0.00053
4.00	0.92578	0.00051	3.50	0.92851	0.00055	3.20	0.92935	0.00058
4.05	0.92987	0.00051	3.55	0.93484	0.00052	3.25	0.93581	0.00057
4.10	0.93443	0.00052	3.60	0.94061	0.00052	3.30	0.94177	0.00056
4.15	0.93959	0.00052	3.65	0.94545	0.00052	3.35	0.94831	0.00055
4.20	0.94463	0.00049	3.70	0.95069	0.00055	3.40	0.95339	0.00054
4.25	0.94948	0.00051	3.75	0.95594	0.00053	3.45	0.95929	0.00054
4.30	0.95444	0.00052	3.80	0.96283	0.00054	3.50	0.96526	0.00055
4.35	0.95856	0.00053	3.85	0.96748	0.00054	3.55	0.96980	0.00055
4.40	0.96361	0.00051	3.90	0.97264	0.00054	3.60	0.97623	0.00056
4.45	0.96752	0.00053	3.95	0.97695	0.00054	3.65	0.98210	0.00053
4.50	0.97154	0.00050	4.00	0.98234	0.00055	3.70	0.98822	0.00055
4.55	0.97606	0.00050	4.05	0.98725	0.00053	3.75	0.99253	0.00053
4.60	0.98056	0.00051	4.10	0.99217	0.00053	3.80	0.99640	0.00055
4.65	0.98441	0.00049	4.15	0.99750	0.00055	3.85	1.00246	0.00056
4.70	0.98996	0.00051	4.20	1.00185	0.00051	3.90	1.00736	0.00056
4.75	0.99365	0.00052	4.25	1.00708	0.00053	3.95	1.01280	0.00057
4.80	0.99785	0.00051	4.30	1.01112	0.00052	4.00	1.01786	0.00055
4.85	1.00146	0.00051						
4.90	1.00520	0.00050						
4.95	1.00985	0.00050						
5.00	1.01366	0.00049						

75			100			150		
2.80	0.92814	0.00058	2.60	0.92360	0.00056	2.40	0.91823	0.00061
2.82	0.93002	0.00057	2.62	0.92649	0.00060	2.42	0.92150	0.00057
2.84	0.93173	0.00057	2.64	0.92953	0.00060	2.44	0.92359	0.00058
2.86	0.93506	0.00061	2.66	0.93201	0.00059	2.46	0.92665	0.00059
2.88	0.93735	0.00058	2.68	0.93432	0.00059	2.48	0.92950	0.00060
2.90	0.94044	0.00058	2.70	0.93659	0.00058	2.50	0.93270	0.00060
2.92	0.94331	0.00058	2.72	0.94036	0.00058	2.52	0.93420	0.00058
2.94	0.94611	0.00060	2.74	0.94238	0.00058	2.54	0.93714	0.00060
2.96	0.94731	0.00057	2.76	0.94501	0.00059	2.56	0.94029	0.00061
2.98	0.95054	0.00058	2.78	0.94808	0.00059	2.58	0.94237	0.00061
3.00	0.95227	0.00057	2.80	0.95023	0.00057	2.60	0.94430	0.00059
3.02	0.95603	0.00059	2.82	0.95212	0.00060	2.62	0.94755	0.00060
3.04	0.95750	0.00057	2.84	0.95394	0.00059	2.64	0.94989	0.00060
3.06	0.96107	0.00056	2.86	0.95737	0.00060	2.66	0.95226	0.00062
3.08	0.96279	0.00057	2.88	0.95987	0.00058	2.68	0.95525	0.00059
3.10	0.96567	0.00058	2.90	0.96293	0.00057	2.70	0.95715	0.00059
3.12	0.96762	0.00060	2.92	0.96572	0.00059	2.72	0.96005	0.00060
3.14	0.97031	0.00057	2.94	0.96805	0.00060	2.74	0.96306	0.00059
3.16	0.97203	0.00060	2.96	0.97082	0.00059	2.76	0.96474	0.00060
3.18	0.97474	0.00057	2.98	0.97266	0.00058	2.78	0.96678	0.00059
3.20	0.97686	0.00056	3.00	0.97584	0.00060	2.80	0.97015	0.00060
3.22	0.97998	0.00059	3.02	0.97777	0.00060	2.82	0.97321	0.00060
3.24	0.98174	0.00060	3.04	0.98074	0.00059	2.84	0.97382	0.00058
3.26	0.98486	0.00061	3.06	0.98178	0.00059	2.86	0.97719	0.00061
3.28	0.98670	0.00060	3.08	0.98524	0.00057	2.88	0.97985	0.00061
3.30	0.98898	0.00059	3.10	0.98745	0.00059	2.90	0.98200	0.00060
3.32	0.99177	0.00057	3.12	0.98929	0.00058	2.92	0.98335	0.00060

3.34	0.99321	0.00058
3.36	0.99545	0.00059
3.38	0.99843	0.00058
3.40	0.99984	0.00060
3.42	1.00265	0.00058
3.44	1.00434	0.00058
3.46	1.00723	0.00058
3.48	1.00848	0.00055
3.50	1.01154	0.00060

3.14	0.99261	0.00060
3.16	0.99407	0.00059
3.18	0.99621	0.00058
3.20	0.99939	0.00061
3.22	1.00184	0.00058
3.24	1.00184	0.00059
3.26	1.00456	0.00059
3.28	1.00890	0.00058
3.30	1.01079	0.00059

2.94	0.98584	0.00061
2.96	0.98903	0.00059
2.98	0.99071	0.00059
3.00	0.99345	0.00058
3.02	0.99552	0.00060
3.04	0.99848	0.00059
3.06	1.00101	0.00061
3.08	1.00361	0.00059
3.10	1.00456	0.00059

200

2.30	0.91461	0.00062
2.32	0.91762	0.00060
2.34	0.92019	0.00060
2.36	0.92312	0.00059
2.38	0.92517	0.00060
2.40	0.92761	0.00060
2.42	0.92945	0.00060
2.44	0.93362	0.00059
2.46	0.93629	0.00060
2.48	0.93799	0.00060
2.50	0.94079	0.00061
2.52	0.94325	0.00061
2.54	0.94543	0.00062
2.56	0.94898	0.00061
2.58	0.95076	0.00061
2.60	0.95311	0.00059
2.62	0.95536	0.00059
2.64	0.95863	0.00059
2.66	0.96014	0.00059
2.68	0.96301	0.00058
2.70	0.96491	0.00058
2.72	0.96774	0.00060
2.74	0.97091	0.00060
2.76	0.97305	0.00061
2.78	0.97558	0.00061
2.80	0.97699	0.00060
2.82	0.98013	0.00059
2.84	0.98187	0.00062
2.86	0.98410	0.00058
2.88	0.98551	0.00061
2.90	0.98890	0.00061
2.92	0.99109	0.00057
2.94	0.99270	0.00059
2.96	0.99643	0.00059
2.98	0.99733	0.00060
3.00	1.00001	0.00061
3.02	1.00229	0.00062
3.04	1.00464	0.00062
3.06	1.00596	0.00062
3.08	1.00867	0.00059
3.10	1.01045	0.00061

350

2.30	0.92573	0.00059
2.32	0.92784	0.00062
2.34	0.93073	0.00060
2.36	0.93356	0.00059
2.38	0.93512	0.00060
2.40	0.93789	0.00059
2.42	0.94061	0.00060
2.44	0.94203	0.00059
2.46	0.94465	0.00060
2.48	0.94785	0.00062
2.50	0.94973	0.00061
2.52	0.95256	0.00060
2.54	0.95393	0.00063
2.56	0.95630	0.00061
2.58	0.95927	0.00059
2.60	0.96273	0.00060
2.62	0.96353	0.00060
2.64	0.96678	0.00060
2.66	0.96839	0.00060
2.68	0.97119	0.00061
2.70	0.97297	0.00059
2.72	0.97514	0.00062
2.74	0.97745	0.00060
2.76	0.97909	0.00062
2.78	0.98251	0.00062
2.80	0.98425	0.00063
2.82	0.98531	0.00059
2.84	0.98790	0.00060
2.86	0.99105	0.00059
2.88	0.99251	0.00061
2.90	0.99430	0.00062
2.92	0.99593	0.00061
2.94	0.99875	0.00059
2.96	1.00049	0.00063
2.98	1.00266	0.00060
3.00	1.00435	0.00063

500

2.20	0.91973	0.00061
2.25	0.92650	0.00063
2.30	0.93219	0.00059
2.35	0.93890	0.00060
2.40	0.94465	0.00061
2.45	0.94957	0.00060
2.50	0.95587	0.00060
2.55	0.96081	0.00059
2.60	0.96545	0.00062
2.65	0.97257	0.00061
2.70	0.97845	0.00062
2.75	0.98301	0.00060
2.80	0.98828	0.00061
2.85	0.99332	0.00061
2.90	0.99944	0.00062
2.95	1.00328	0.00063
3.00	1.00897	0.00061

750			1000			1500		
2.00	0.90629	0.00060	2.00	0.92026	0.00062	1.80	0.92054	0.00059
2.02	0.90907	0.00060	2.02	0.92294	0.00061	1.82	0.92245	0.00060
2.04	0.91226	0.00060	2.04	0.92486	0.00062	1.84	0.92491	0.00061
2.06	0.91407	0.00059	2.06	0.92727	0.00059	1.86	0.92901	0.00059
2.08	0.91655	0.00063	2.08	0.93048	0.00060	1.88	0.93244	0.00059
2.10	0.91957	0.00061	2.10	0.93238	0.00058	1.90	0.93463	0.00058
2.12	0.92106	0.00061	2.12	0.93471	0.00058	1.92	0.93642	0.00059
2.14	0.92439	0.00060	2.14	0.93812	0.00061	1.94	0.94022	0.00058
2.16	0.92756	0.00058	2.16	0.93952	0.00058	1.96	0.94242	0.00060
2.18	0.92969	0.00059	2.18	0.94181	0.00061	1.98	0.94535	0.00059
2.20	0.93160	0.00061	2.20	0.94582	0.00058	2.00	0.94938	0.00058
2.22	0.93428	0.00059	2.22	0.94704	0.00062	2.02	0.95116	0.00061
2.24	0.93612	0.00059	2.24	0.94950	0.00059	2.04	0.95305	0.00059
2.26	0.93990	0.00060	2.26	0.95194	0.00060	2.06	0.95578	0.00058
2.28	0.94167	0.00058	2.28	0.95570	0.00060	2.08	0.95768	0.00059
2.30	0.94414	0.00063	2.30	0.95679	0.00062	2.10	0.96082	0.00057
2.32	0.94681	0.00063	2.32	0.95975	0.00062	2.12	0.96398	0.00060
2.34	0.94883	0.00059	2.34	0.96219	0.00059	2.14	0.96716	0.00059
2.36	0.95066	0.00062	2.36	0.96454	0.00060	2.16	0.96935	0.00062
2.38	0.95284	0.00063	2.38	0.96653	0.00061	2.18	0.97186	0.00061
2.40	0.95447	0.00062	2.40	0.96890	0.00061	2.20	0.97329	0.00061
2.42	0.95798	0.00062	2.42	0.97076	0.00061	2.22	0.97693	0.00059
2.44	0.96006	0.00062	2.44	0.97290	0.00061	2.24	0.97828	0.00059
2.46	0.96124	0.00059	2.46	0.97617	0.00059	2.26	0.98127	0.00060
2.48	0.96381	0.00061	2.48	0.97777	0.00058	2.28	0.98389	0.00061
2.50	0.96689	0.00061	2.50	0.98077	0.00060	2.30	0.98595	0.00059
2.52	0.96906	0.00061	2.52	0.98244	0.00061	2.32	0.98924	0.00061
2.54	0.97035	0.00059	2.54	0.98367	0.00059	2.34	0.99104	0.00063
2.56	0.97379	0.00061	2.56	0.98655	0.00062	2.36	0.99402	0.00060
2.58	0.97596	0.00061	2.58	0.98852	0.00061	2.38	0.99675	0.00061
2.60	0.97749	0.00062	2.60	0.99087	0.00060	2.40	0.99853	0.00058
2.62	0.98012	0.00061	2.62	0.99266	0.00060	2.42	1.00140	0.00058
2.64	0.98087	0.00060	2.64	0.99557	0.00059	2.44	1.00357	0.00062
2.66	0.98373	0.00062	2.66	0.99761	0.00057	2.46	1.00536	0.00060
2.68	0.98674	0.00061	2.68	0.99962	0.00058	2.48	1.00802	0.00060
2.70	0.98955	0.00060	2.70	1.00106	0.00060	2.50	1.00970	0.00060
2.72	0.99167	0.00061						
2.74	0.99390	0.00058						
2.76	0.99456	0.00061						
2.78	0.99621	0.00059						
2.80	0.99793	0.00061						
2.82	0.99978	0.00061						
2.84	1.00216	0.00062						
2.86	1.00375	0.00061						
2.88	1.00617	0.00062						
2.90	1.00787	0.00060						
2.92	1.01007	0.00060						
2.94	1.01283	0.00058						
2.96	1.01449	0.00063						
2.98	1.01691	0.00060						
3.00	1.01828	0.00060						

2000			2500			3000		
1.60	0.91814	0.00058	1.40	0.90857	0.00058	1.30	0.91350	0.00058
1.62	0.92023	0.00057	1.42	0.91284	0.00059	1.32	0.91852	0.00059
1.64	0.92412	0.00061	1.44	0.91653	0.00059	1.34	0.92081	0.00056
1.66	0.92697	0.00058	1.46	0.91886	0.00059	1.36	0.92491	0.00057

1.68	0.93017	0.00058
1.70	0.93212	0.00059
1.72	0.93731	0.00059
1.74	0.93999	0.00058
1.76	0.94277	0.00059
1.78	0.94552	0.00059
1.80	0.94868	0.00059
1.82	0.95164	0.00059
1.84	0.95469	0.00062
1.86	0.95709	0.00057
1.88	0.95996	0.00059
1.90	0.96324	0.00060
1.92	0.96592	0.00059
1.94	0.96933	0.00059
1.96	0.97172	0.00060
1.98	0.97408	0.00063
2.00	0.97770	0.00060
2.02	0.98092	0.00060
2.04	0.98210	0.00060
2.06	0.98660	0.00058
2.08	0.98884	0.00059
2.10	0.99154	0.00059
2.12	0.99477	0.00058
2.14	0.99701	0.00063
2.16	1.00031	0.00058
2.18	1.00270	0.00061
2.20	1.00382	0.00061

1.48	0.92351	0.00060
1.50	0.92719	0.00058
1.52	0.93050	0.00060
1.54	0.93339	0.00060
1.56	0.93605	0.00060
1.58	0.94047	0.00061
1.60	0.94316	0.00058
1.62	0.94647	0.00058
1.64	0.94950	0.00058
1.66	0.95421	0.00057
1.68	0.95648	0.00061
1.70	0.96025	0.00059
1.72	0.96376	0.00059
1.74	0.96746	0.00058
1.76	0.96992	0.00058
1.78	0.97212	0.00059
1.80	0.97636	0.00060
1.82	0.97929	0.00059
1.84	0.98270	0.00061
1.86	0.98584	0.00060
1.88	0.98877	0.00058
1.90	0.99213	0.00059
1.92	0.99462	0.00060
1.94	0.99735	0.00058
1.96	1.00129	0.00059
1.98	1.00300	0.00060
2.00	1.00675	0.00059

1.38	0.92962	0.00058
1.40	0.93252	0.00058
1.42	0.93672	0.00057
1.44	0.94045	0.00058
1.46	0.94476	0.00057
1.48	0.94819	0.00058
1.50	0.95159	0.00060
1.52	0.95481	0.00060
1.54	0.95837	0.00058
1.56	0.96190	0.00059
1.58	0.96644	0.00056
1.60	0.97029	0.00059
1.62	0.97187	0.00057
1.64	0.97653	0.00059
1.66	0.97973	0.00060
1.68	0.98311	0.00056
1.70	0.98718	0.00059
1.72	0.99018	0.00058
1.74	0.99443	0.00058
1.76	0.99713	0.00059
1.78	1.00015	0.00061
1.80	1.00358	0.00059

4000

1.10	0.91451	0.00059
1.12	0.91884	0.00058
1.14	0.92263	0.00059
1.16	0.92820	0.00059
1.18	0.93207	0.00058
1.20	0.93574	0.00059
1.22	0.94141	0.00059
1.24	0.94528	0.00060
1.26	0.95008	0.00059
1.28	0.95523	0.00060
1.30	0.95970	0.00059
1.32	0.96381	0.00060
1.34	0.96735	0.00061
1.36	0.97226	0.00060
1.38	0.97525	0.00057
1.40	0.97917	0.00058
1.42	0.98403	0.00058
1.44	0.98832	0.00059
1.46	0.99261	0.00059
1.48	0.99765	0.00062
1.50	0.99947	0.00059
1.52	1.00300	0.00056
1.54	1.00728	0.00057
1.56	1.01244	0.00060
1.58	1.01503	0.00059
1.60	1.01951	0.00059

5000

1.00	0.92781	0.00057
1.02	0.93205	0.00060
1.04	0.93877	0.00061
1.06	0.94360	0.00058
1.08	0.94818	0.00059
1.10	0.95379	0.00055
1.12	0.95787	0.00056
1.14	0.96307	0.00056
1.16	0.96839	0.00059
1.18	0.97318	0.00060
1.20	0.97783	0.00058
1.22	0.98230	0.00056
1.24	0.98730	0.00058
1.26	0.99249	0.00059
1.28	0.99660	0.00059
1.30	1.00148	0.00061
1.32	1.00584	0.00060
1.34	1.01036	0.00058
1.36	1.01589	0.00059
1.38	1.01998	0.00056
1.40	1.02369	0.00058

7500

0.70	0.91543	0.00055
0.72	0.92308	0.00056
0.74	0.92945	0.00057
0.76	0.93652	0.00059
0.78	0.94321	0.00057
0.80	0.95019	0.00059
0.82	0.95611	0.00058
0.84	0.96335	0.00056
0.86	0.97017	0.00057
0.88	0.97624	0.00059
0.90	0.98344	0.00057
0.92	0.98931	0.00058
0.94	0.99563	0.00061
0.96	1.00203	0.00059
0.98	1.00813	0.00060
1.00	1.01405	0.00058

10000			15000			19600		
0.55	0.91608	0.00057	0.35	0.89892	0.00058	0.25	0.88340	0.00056
0.56	0.92102	0.00056	0.36	0.90597	0.00057	0.26	0.89237	0.00058
0.57	0.92606	0.00060	0.37	0.91268	0.00056	0.27	0.90133	0.00061
0.58	0.92994	0.00059	0.38	0.91958	0.00057	0.28	0.91007	0.00060
0.59	0.93374	0.00058	0.39	0.92598	0.00058	0.29	0.91876	0.00058
0.60	0.93866	0.00057	0.40	0.93299	0.00056	0.30	0.92771	0.00058
0.61	0.94384	0.00056	0.41	0.93904	0.00057	0.31	0.93650	0.00058
0.62	0.94819	0.00059	0.42	0.94624	0.00059	0.32	0.94593	0.00059
0.63	0.95163	0.00057	0.43	0.95147	0.00057	0.33	0.95294	0.00059
0.64	0.95594	0.00056	0.44	0.95801	0.00057	0.34	0.96241	0.00058
0.65	0.96033	0.00057	0.45	0.96580	0.00057	0.35	0.96948	0.00060
0.66	0.96494	0.00060	0.46	0.97046	0.00058	0.36	0.97788	0.00058
0.67	0.96891	0.00062	0.47	0.97741	0.00057	0.37	0.98639	0.00058
0.68	0.97266	0.00058	0.48	0.98248	0.00057	0.38	0.99271	0.00059
0.69	0.97769	0.00057	0.49	0.98962	0.00059	0.39	1.00220	0.00061
0.70	0.98170	0.00058	0.50	0.99480	0.00056	0.40	1.00847	0.00060
0.71	0.98553	0.00059	0.51	0.99987	0.00059			
0.72	0.98993	0.00059	0.52	1.00667	0.00059			
0.73	0.99429	0.00058	0.53	1.01174	0.00062			
0.74	0.99716	0.00059	0.54	1.01732	0.00059			
0.75	1.00166	0.00060	0.55	1.02364	0.00059			

sumtable.pu-sp-0800-00

10			13			15		
999.98	0.99129	0.00019	30.00	0.93629	0.00040	25.00	0.93036	0.00044
999.99	0.99129	0.00019	30.50	0.94119	0.00038	25.25	0.93337	0.00045
			31.00	0.94535	0.00038	25.50	0.93627	0.00043
			31.50	0.94980	0.00037	25.75	0.93991	0.00042
			32.00	0.95310	0.00039	26.00	0.94269	0.00042
			32.50	0.95770	0.00037	26.25	0.94545	0.00044
			33.00	0.96058	0.00037	26.50	0.95023	0.00042
			33.50	0.96460	0.00037	26.75	0.95340	0.00042
			34.00	0.96829	0.00037	27.00	0.95622	0.00043
			34.50	0.97067	0.00036	27.25	0.95927	0.00043
			35.00	0.97500	0.00037	27.50	0.96264	0.00043
			35.50	0.97805	0.00036	27.75	0.96437	0.00043
			36.00	0.98083	0.00036	28.00	0.96844	0.00044
			36.50	0.98433	0.00035	28.25	0.97094	0.00042
			37.00	0.98638	0.00035	28.50	0.97293	0.00040
			37.50	0.98922	0.00034	28.75	0.97622	0.00040
			38.00	0.99228	0.00034	29.00	0.97870	0.00042
			38.50	0.99479	0.00035	29.25	0.98190	0.00043
			39.00	0.99655	0.00035	29.50	0.98321	0.00042
			39.50	0.99939	0.00034	29.75	0.98572	0.00041
			40.00	1.00157	0.00034	30.00	0.98875	0.00042
						30.25	0.99053	0.00039
						30.50	0.99358	0.00040
						30.75	0.99550	0.00039
						31.00	0.99788	0.00042
						31.25	0.99987	0.00040
						31.50	1.00280	0.00042
						31.75	1.00268	0.00040
						32.00	1.00657	0.00041

18			20			22		
20.00	0.89278	0.00048	20.00	0.92265	0.00051	19.00	0.92172	0.00052
20.25	0.89800	0.00049	20.25	0.92922	0.00052	19.20	0.92794	0.00054
20.50	0.90558	0.00047	20.50	0.93318	0.00051	19.40	0.93290	0.00054
20.75	0.90985	0.00049	20.75	0.93999	0.00052	19.60	0.93647	0.00052
21.00	0.91587	0.00049	21.00	0.94483	0.00050	19.80	0.94268	0.00052
21.25	0.92165	0.00048	21.25	0.95177	0.00049	20.00	0.94816	0.00052
21.50	0.92589	0.00048	21.50	0.95714	0.00051	20.20	0.95326	0.00054
21.75	0.93179	0.00050	21.75	0.96179	0.00049	20.40	0.95773	0.00054
22.00	0.93622	0.00051	22.00	0.96662	0.00050	20.60	0.96243	0.00051
22.25	0.94142	0.00047	22.25	0.97215	0.00052	20.80	0.96637	0.00053
22.50	0.94703	0.00047	22.50	0.97654	0.00049	21.00	0.97173	0.00055
22.75	0.95111	0.00050	22.75	0.98091	0.00053	21.20	0.97574	0.00049
23.00	0.95514	0.00048	23.00	0.98553	0.00049	21.40	0.98072	0.00050
23.25	0.95990	0.00046	23.25	0.99088	0.00050	21.60	0.98379	0.00052
23.50	0.96412	0.00047	23.50	0.99609	0.00047	21.80	0.98926	0.00051
23.75	0.96811	0.00048	23.75	0.99860	0.00050	22.00	0.99356	0.00053
24.00	0.97259	0.00048	24.00	1.00340	0.00049	22.20	0.99544	0.00054
24.25	0.97756	0.00047	24.25	1.00839	0.00048	22.40	1.00073	0.00053
24.50	0.98023	0.00047	24.50	1.01250	0.00050	22.60	1.00440	0.00051
24.75	0.98460	0.00047	24.75	1.01666	0.00047	22.80	1.00801	0.00050
25.00	0.98868	0.00048	25.00	1.01991	0.00047	23.00	1.01217	0.00052
25.25	0.99291	0.00045						
25.50	0.99606	0.00047						
25.75	0.99872	0.00046						
26.00	1.00205	0.00047						
26.25	1.00700	0.00046						
26.50	1.00966	0.00047						
26.75	1.01266	0.00045						
27.00	1.01583	0.00045						
27.25	1.01880	0.00045						
27.50	1.02243	0.00044						
27.75	1.02494	0.00046						
28.00	1.02927	0.00045						

24			25			26		
18.00	0.91327	0.00057	18.00	0.92281	0.00055	17.80	0.92408	0.00055
18.20	0.91938	0.00055	18.20	0.93049	0.00054	18.00	0.93078	0.00055
18.40	0.92562	0.00055	18.40	0.93470	0.00057	18.20	0.93727	0.00057
18.60	0.93053	0.00055	18.60	0.94055	0.00054	18.40	0.94339	0.00056
18.80	0.93656	0.00057	18.80	0.94688	0.00058	18.60	0.94939	0.00055
19.00	0.94299	0.00055	19.00	0.95334	0.00054	18.80	0.95566	0.00056
19.20	0.94750	0.00057	19.20	0.95815	0.00054	19.00	0.96029	0.00059
19.40	0.95359	0.00054	19.40	0.96297	0.00054	19.20	0.96692	0.00056
19.60	0.95851	0.00053	19.60	0.96848	0.00056	19.40	0.97257	0.00057
19.80	0.96464	0.00054	19.80	0.97403	0.00055	19.60	0.97700	0.00054
20.00	0.96888	0.00056	20.00	0.97921	0.00055	19.80	0.98187	0.00056
20.20	0.97470	0.00053	20.20	0.98486	0.00054	20.00	0.98892	0.00056
20.40	0.97960	0.00053	20.40	0.98852	0.00054	20.20	0.99222	0.00056
20.60	0.98416	0.00055	20.60	0.99406	0.00054	20.40	0.99792	0.00055
20.80	0.98831	0.00053	20.80	0.99777	0.00054	20.60	1.00404	0.00055
21.00	0.99292	0.00055	21.00	1.00190	0.00055	20.80	1.00728	0.00053
21.20	0.99803	0.00053	21.20	1.00701	0.00054	21.00	1.01201	0.00057
21.40	1.00124	0.00054						
21.60	1.00704	0.00052						
21.80	1.01056	0.00052						
22.00	1.01481	0.00055						

28			30			32		
17.00	0.91409	0.00057	16.90	0.92395	0.00057	16.00	0.90180	0.00061
17.20	0.92103	0.00056	17.10	0.93079	0.00058	16.20	0.90947	0.00059
17.40	0.92672	0.00058	17.30	0.93750	0.00058	16.40	0.91721	0.00060
17.60	0.93371	0.00057	17.50	0.94495	0.00059	16.60	0.92399	0.00062
17.80	0.94023	0.00057	17.70	0.95043	0.00056	16.80	0.93297	0.00059
18.00	0.94698	0.00058	17.90	0.95721	0.00059	17.00	0.93877	0.00063
18.20	0.95320	0.00057	18.10	0.96439	0.00056	17.20	0.94688	0.00060
18.40	0.95976	0.00057	18.30	0.96977	0.00057	17.40	0.95393	0.00058
18.60	0.96487	0.00056	18.50	0.97669	0.00058	17.60	0.95992	0.00059
18.80	0.97137	0.00057	18.70	0.98243	0.00057	17.80	0.96769	0.00059
19.00	0.97755	0.00056	18.90	0.98782	0.00060	18.00	0.97230	0.00061
19.20	0.98284	0.00057	19.10	0.99352	0.00060	18.20	0.97997	0.00058
19.40	0.98865	0.00055	19.30	0.99868	0.00058	18.40	0.98663	0.00059
19.60	0.99364	0.00057	19.50	1.00467	0.00058	18.60	0.99087	0.00060
19.80	0.99819	0.00056	19.70	1.01019	0.00060	18.80	0.99642	0.00062
20.00	1.00468	0.00054	19.90	1.01519	0.00055	19.00	1.00226	0.00058
20.20	1.00951	0.00056	20.10	1.02140	0.00059	19.20	1.00951	0.00058
20.40	1.01368	0.00057	20.30	1.02572	0.00055	19.40	1.01577	0.00060
20.60	1.01941	0.00056	20.50	1.03030	0.00057	19.60	1.01988	0.00059
20.80	1.02553	0.00059	20.70	1.03620	0.00055	19.80	1.02547	0.00058
21.00	1.02901	0.00056	20.90	1.04202	0.00056	20.00	1.03124	0.00057
			21.00	1.04395	0.00058			

36			40			45		
16.00	0.92144	0.00061	15.00	0.89409	0.00065	15.00	0.91022	0.00065
16.20	0.92897	0.00060	15.20	0.90411	0.00062	15.20	0.91855	0.00066
16.40	0.93813	0.00060	15.40	0.91287	0.00063	15.40	0.92628	0.00064
16.60	0.94485	0.00060	15.60	0.92001	0.00062	15.60	0.93522	0.00064
16.80	0.95038	0.00062	15.80	0.92904	0.00064	15.80	0.94348	0.00067
17.00	0.95986	0.00061	16.00	0.93671	0.00065	16.00	0.95256	0.00062
17.20	0.96529	0.00063	16.20	0.94413	0.00063	16.20	0.96021	0.00066
17.40	0.97399	0.00063	16.40	0.95260	0.00063	16.40	0.96790	0.00066
17.60	0.98049	0.00060	16.60	0.96084	0.00063	16.60	0.97456	0.00064
17.80	0.98759	0.00062	16.80	0.96667	0.00065	16.80	0.98255	0.00064
18.00	0.99351	0.00062	17.00	0.97538	0.00063	17.00	0.99021	0.00062
18.20	0.99903	0.00061	17.20	0.98154	0.00064	17.20	0.99586	0.00062
18.40	1.00672	0.00060	17.40	0.98994	0.00064	17.40	1.00391	0.00065
18.60	1.01304	0.00062	17.60	0.99642	0.00061	17.60	1.01126	0.00066
18.80	1.01908	0.00063	17.80	1.00307	0.00063	17.80	1.01963	0.00066
19.00	1.02421	0.00058	18.00	1.00903	0.00062	18.00	1.02625	0.00062
19.20	1.03060	0.00063	18.20	1.01507	0.00061	18.20	1.03347	0.00063
19.40	1.03534	0.00061	18.40	1.02242	0.00063	18.40	1.03711	0.00066
19.60	1.04133	0.00060	18.60	1.02832	0.00063	18.60	1.04504	0.00062
19.80	1.04732	0.00060	18.80	1.03495	0.00065	18.80	1.04981	0.00064
20.00	1.05226	0.00058	19.00	1.04056	0.00062	19.00	1.05579	0.00062

50			75			100		
15.00	0.92083	0.00065	14.00	0.90266	0.00067	14.00	0.91153	0.00070
15.20	0.93019	0.00065	14.20	0.91079	0.00067	14.20	0.92060	0.00071
15.40	0.93842	0.00066	14.40	0.92225	0.00072	14.40	0.93081	0.00071
15.60	0.94695	0.00067	14.60	0.93196	0.00068	14.60	0.93976	0.00068
15.80	0.95519	0.00067	14.80	0.94115	0.00071	14.80	0.94827	0.00071
16.00	0.96242	0.00068	15.00	0.95042	0.00070	15.00	0.95790	0.00070
16.20	0.97161	0.00066	15.20	0.95876	0.00071	15.20	0.96708	0.00071
16.40	0.97979	0.00064	15.40	0.96847	0.00067	15.40	0.97577	0.00068
16.60	0.98660	0.00066	15.60	0.97404	0.00070	15.60	0.98426	0.00071
16.80	0.99535	0.00067	15.80	0.98476	0.00068	15.80	0.99145	0.00068
17.00	1.00273	0.00063	16.00	0.99283	0.00068	16.00	1.00031	0.00072
17.20	1.00832	0.00064	16.20	1.00036	0.00068	16.20	1.00866	0.00069
17.40	1.01408	0.00068	16.40	1.00864	0.00069	16.40	1.01807	0.00070
17.60	1.02349	0.00064	16.60	1.01599	0.00069	16.60	1.02410	0.00070
17.80	1.02856	0.00064	16.80	1.02326	0.00071	16.80	1.03227	0.00071
18.00	1.03665	0.00064	17.00	1.03237	0.00070	17.00	1.03790	0.00072
18.20	1.04456	0.00065	17.20	1.03847	0.00072	17.20	1.04679	0.00069
18.40	1.04972	0.00062	17.40	1.04614	0.00066	17.30	1.04937	0.00072
18.60	1.05470	0.00065	17.60	1.05339	0.00069			
18.80	1.06232	0.00064	17.80	1.06005	0.00067			
19.00	1.06928	0.00067	18.00	1.06683	0.00069			

150			200			350		
14.00	0.91047	0.00072	14.00	0.90599	0.00073	14.00	0.89212	0.00070
14.20	0.92080	0.00068	14.20	0.91536	0.00074	14.20	0.90220	0.00069
14.40	0.93010	0.00066	14.40	0.92430	0.00070	14.40	0.91058	0.00067
14.60	0.93887	0.00071	14.60	0.93339	0.00071	14.60	0.91844	0.00069
14.80	0.94871	0.00071	14.80	0.94394	0.00072	14.80	0.92693	0.00072
15.00	0.95670	0.00072	15.00	0.95009	0.00071	15.00	0.93563	0.00071
15.20	0.96647	0.00069	15.20	0.95991	0.00070	15.20	0.94289	0.00071
15.40	0.97416	0.00071	15.40	0.96703	0.00068	15.40	0.95011	0.00071
15.60	0.98316	0.00074	15.60	0.97433	0.00071	15.60	0.95902	0.00072
15.80	0.98967	0.00069	15.80	0.98410	0.00071	15.80	0.96623	0.00070
16.00	0.99782	0.00071	16.00	0.99226	0.00072	16.00	0.97234	0.00071
16.20	1.00733	0.00070	16.20	0.99838	0.00071	16.20	0.98037	0.00071
16.40	1.01442	0.00070	16.40	1.00543	0.00072	16.40	0.98737	0.00071
16.60	1.02100	0.00072	16.60	1.01289	0.00074	16.60	0.99556	0.00070
16.80	1.02920	0.00067	16.80	1.02082	0.00072	16.80	1.00104	0.00070
17.00	1.03469	0.00070	17.00	1.02716	0.00069	17.00	1.00890	0.00068
17.20	1.04102	0.00069	17.20	1.03415	0.00072	17.20	1.01450	0.00069
17.40	1.05164	0.00069	17.40	1.04084	0.00074	17.40	1.02082	0.00068
17.60	1.05796	0.00070	17.60	1.04803	0.00070	17.60	1.02757	0.00071
17.80	1.06294	0.00072	17.80	1.05413	0.00071	17.80	1.03232	0.00067
18.00	1.06994	0.00075	18.00	1.06159	0.00072	18.00	1.03851	0.00070
						18.20	1.04554	0.00068

500			750			1000		
14.80	0.92187	0.00070	14.00	0.89718	0.00068	14.00	0.91232	0.00065
15.00	0.92879	0.00068	14.20	0.90492	0.00066	14.20	0.92200	0.00066
15.20	0.93909	0.00071	14.40	0.91241	0.00067	14.40	0.93012	0.00064
15.40	0.94582	0.00067	14.60	0.92248	0.00068	14.60	0.93692	0.00064
15.60	0.95364	0.00070	14.80	0.92988	0.00066	14.80	0.94525	0.00064
15.80	0.96070	0.00067	15.00	0.93637	0.00066	15.00	0.95394	0.00065
16.00	0.96822	0.00069	15.20	0.94515	0.00067	15.20	0.96113	0.00065
16.20	0.97533	0.00068	15.40	0.95269	0.00066	15.40	0.96938	0.00066
16.40	0.98129	0.00068	15.60	0.96073	0.00068	15.60	0.97499	0.00067
16.60	0.98920	0.00068	15.80	0.96917	0.00070	15.80	0.98264	0.00067
16.80	0.99591	0.00069	16.00	0.97272	0.00068	16.00	0.99104	0.00066
17.00	1.00065	0.00069	16.20	0.98062	0.00067	16.20	0.99727	0.00065
17.20	1.00868	0.00071	16.40	0.98748	0.00066	16.40	1.00397	0.00064
17.40	1.01520	0.00070	16.80	1.00123	0.00068	16.60	1.01049	0.00063
17.60	1.01915	0.00071	17.00	1.00687	0.00068	17.00	1.02227	0.00062
17.80	1.02592	0.00069	17.20	1.01417	0.00067	17.20	1.02921	0.00069
18.00	1.03181	0.00069	17.40	1.02093	0.00068	17.40	1.03446	0.00066
18.20	1.03846	0.00069	17.60	1.02499	0.00069	17.60	1.03975	0.00067
18.40	1.04325	0.00065	17.80	1.02984	0.00067	17.80	1.04636	0.00065
18.60	1.04934	0.00067	18.00	1.03757	0.00066	18.00	1.05269	0.00064
18.80	1.05368	0.00068	18.10	1.03959	0.00065			
19.00	1.05937	0.00068						

1500			2000			2500		
13.00	0.91186	0.00064	12.00	0.90927	0.00061	11.00	0.89654	0.00058
13.20	0.92199	0.00064	12.10	0.91352	0.00061	11.10	0.90396	0.00060
13.40	0.93204	0.00066	12.20	0.92013	0.00062	11.20	0.91027	0.00059
13.60	0.94064	0.00061	12.30	0.92475	0.00062	11.30	0.91663	0.00061
13.80	0.94922	0.00062	12.40	0.93137	0.00063	11.40	0.92220	0.00061
14.00	0.95833	0.00065	12.50	0.93485	0.00063	11.50	0.92809	0.00062
14.20	0.96681	0.00066	12.60	0.94138	0.00063	11.60	0.93483	0.00061
14.40	0.97438	0.00065	12.80	0.95200	0.00060	11.70	0.93973	0.00061
14.60	0.98300	0.00066	12.90	0.95690	0.00064	11.80	0.94605	0.00061
14.80	0.99120	0.00065	13.00	0.96202	0.00062	11.90	0.95206	0.00061
15.00	0.99870	0.00065	13.10	0.96642	0.00061	12.50	0.98561	0.00062
15.20	1.00517	0.00062	13.20	0.96976	0.00062	12.60	0.99053	0.00062
15.40	1.01360	0.00062	13.30	0.97674	0.00061	12.80	1.00054	0.00064
15.60	1.02120	0.00063	13.40	0.98015	0.00064	13.00	1.01260	0.00061
15.80	1.02826	0.00066	13.50	0.98518	0.00064	13.10	1.01684	0.00062
16.00	1.03516	0.00065	13.60	0.99064	0.00064	13.20	1.02108	0.00062
16.20	1.04159	0.00063	13.70	0.99488	0.00061	13.30	1.02544	0.00062
16.40	1.04922	0.00063	13.80	0.99786	0.00061	13.40	1.03074	0.00060
16.60	1.05407	0.00063	13.90	1.00270	0.00060	13.50	1.03600	0.00061
16.80	1.06152	0.00064	14.00	1.00751	0.00064	13.60	1.04094	0.00062
17.00	1.06944	0.00064	14.10	1.01311	0.00061	13.70	1.04568	0.00061
			14.20	1.01504	0.00062	13.80	1.04885	0.00062
			14.30	1.02025	0.00062	13.90	1.05490	0.00064
			14.40	1.02568	0.00063	14.00	1.05979	0.00061
			14.50	1.02968	0.00064			
			14.60	1.03401	0.00063			
			14.70	1.03880	0.00061			
			14.80	1.04269	0.00062			
			14.90	1.04574	0.00064			
			15.00	1.05043	0.00059			
			15.10	1.05266	0.00062			

3000			4000			5000		
10.70	0.92381	0.00061	9.50	0.91847	0.00057	8.60	0.91553	0.00059
10.77	0.92867	0.00061	9.57	0.92484	0.00057	8.65	0.92071	0.00057
10.84	0.93396	0.00062	9.64	0.93078	0.00059	8.70	0.92491	0.00057
10.91	0.93730	0.00056	9.71	0.93685	0.00059	8.75	0.92958	0.00059
10.98	0.94277	0.00063	9.78	0.94157	0.00057	8.80	0.93452	0.00057
11.05	0.94715	0.00059	9.85	0.94792	0.00056	8.85	0.93891	0.00057
11.12	0.95287	0.00060	9.92	0.95336	0.00059	8.90	0.94433	0.00057
11.19	0.95551	0.00059	10.06	0.96467	0.00060	8.95	0.94787	0.00059
11.26	0.95968	0.00061	10.13	0.96896	0.00058	9.00	0.95299	0.00059
11.33	0.96505	0.00064	10.20	0.97379	0.00058	9.05	0.95794	0.00058
11.40	0.96837	0.00063	10.27	0.97902	0.00059	9.10	0.96056	0.00056
11.47	0.97391	0.00062	10.41	0.98934	0.00058	9.15	0.96675	0.00059
11.54	0.97753	0.00060	10.48	0.99591	0.00059	9.20	0.97012	0.00058
11.61	0.98178	0.00060	10.55	0.99935	0.00061	9.25	0.97493	0.00058
11.68	0.98667	0.00062	10.62	1.00484	0.00061	9.30	0.97957	0.00056
11.75	0.99042	0.00060	10.69	1.00986	0.00060	9.35	0.98282	0.00059
11.82	0.99387	0.00060	10.76	1.01426	0.00059	9.40	0.98721	0.00058
11.96	1.00241	0.00059	10.83	1.01991	0.00060	9.45	0.99243	0.00057
12.03	1.00751	0.00062	10.90	1.02427	0.00057	9.50	0.99497	0.00057
12.10	1.01177	0.00061	10.97	1.03025	0.00062	9.55	1.00047	0.00056
12.17	1.01479	0.00058	11.00	1.03168	0.00058	9.60	1.00570	0.00060
12.24	1.01982	0.00061				9.65	1.00859	0.00060
12.31	1.02283	0.00060				9.70	1.01317	0.00058
12.38	1.02682	0.00059				9.75	1.01721	0.00061
12.45	1.03056	0.00061				9.80	1.02134	0.00059
12.52	1.03562	0.00063				9.95	1.03378	0.00060
12.59	1.03900	0.00062				10.00	1.03791	0.00060

6000			7000			7500		
7.90	0.91380	0.00055	7.40	0.92012	0.00054	7.10	0.91462	0.00051
7.97	0.92094	0.00055	7.47	0.92788	0.00052	7.15	0.92001	0.00054
8.04	0.92786	0.00057	7.54	0.93621	0.00054	7.20	0.92496	0.00052
8.11	0.93591	0.00054	7.61	0.94351	0.00054	7.25	0.93192	0.00052
8.18	0.94157	0.00056	7.68	0.95085	0.00053	7.30	0.93658	0.00052
8.25	0.94910	0.00055	7.75	0.95974	0.00055	7.35	0.94233	0.00055
8.32	0.95721	0.00054	7.82	0.96705	0.00056	7.40	0.94848	0.00054
8.39	0.96299	0.00057	7.89	0.97424	0.00053	7.45	0.95386	0.00054
8.46	0.97053	0.00057	7.96	0.98236	0.00054	7.50	0.95997	0.00055
8.53	0.97782	0.00058	8.03	0.98868	0.00055	7.55	0.96653	0.00054
8.60	0.98403	0.00056	8.10	0.99668	0.00053	7.60	0.97129	0.00052
8.67	0.99079	0.00055	8.17	1.00531	0.00055	7.65	0.97642	0.00055
8.74	0.99771	0.00057	8.24	1.01185	0.00059	7.70	0.98405	0.00053
8.81	1.00447	0.00058	8.31	1.01850	0.00055	7.75	0.98834	0.00053
8.88	1.01090	0.00055	8.38	1.02659	0.00056	7.80	0.99543	0.00055
8.95	1.01808	0.00058	8.45	1.03425	0.00054	7.85	1.00081	0.00055
9.02	1.02530	0.00057	8.52	1.04119	0.00056	7.90	1.00566	0.00055
9.09	1.03217	0.00059	8.59	1.04788	0.00057	7.95	1.01140	0.00057
9.16	1.03705	0.00055	8.66	1.05620	0.00056	8.00	1.01600	0.00055
9.23	1.04451	0.00055	8.73	1.06137	0.00057			
9.30	1.04904	0.00059	8.80	1.06913	0.00056			
9.37	1.05679	0.00056	8.87	1.07608	0.00057			
9.44	1.06248	0.00059	8.94	1.08255	0.00056			
9.50	1.06682	0.00058	9.00	1.08758	0.00059			

8000			9000			10000		
6.80	0.90456	0.00050	6.50	0.91796	0.00050	6.10	0.91376	0.00047
6.82	0.90617	0.00051	6.52	0.92046	0.00049	6.15	0.92061	0.00049
6.84	0.90919	0.00053	6.54	0.92385	0.00050	6.25	0.93548	0.00047
6.86	0.91157	0.00049	6.56	0.92543	0.00050	6.30	0.94158	0.00047
6.88	0.91461	0.00049	6.58	0.92828	0.00049	6.35	0.94826	0.00047
6.90	0.91696	0.00051	6.60	0.93211	0.00051	6.40	0.95679	0.00048
6.92	0.91881	0.00051	6.62	0.93422	0.00048	6.45	0.96209	0.00053
6.94	0.92248	0.00052	6.64	0.93646	0.00050	6.50	0.96958	0.00049
6.96	0.92469	0.00051	6.66	0.94034	0.00049	6.55	0.97576	0.00048
6.98	0.92734	0.00050	6.68	0.94169	0.00051	6.60	0.98273	0.00050
7.00	0.92956	0.00051	6.70	0.94454	0.00048	6.65	0.98862	0.00049
7.02	0.93207	0.00053	6.76	0.95251	0.00050	6.70	0.99613	0.00049
7.04	0.93487	0.00053	6.78	0.95406	0.00051	6.75	1.00243	0.00050
7.06	0.93624	0.00052	6.80	0.95809	0.00052	6.80	1.00908	0.00050
7.10	0.94071	0.00052	6.82	0.95953	0.00050	6.85	1.01660	0.00051
7.12	0.94350	0.00052	6.84	0.96252	0.00051	6.90	1.02192	0.00053
7.14	0.94582	0.00052	6.86	0.96555	0.00052	6.95	1.02838	0.00051
7.20	0.95296	0.00052	6.88	0.96814	0.00051	7.00	1.03481	0.00052
7.22	0.95633	0.00051	6.90	0.97009	0.00051			
7.24	0.95756	0.00052	6.92	0.97256	0.00049			
7.26	0.96024	0.00053	6.94	0.97590	0.00051			
7.28	0.96253	0.00050	6.96	0.97805	0.00051			
7.30	0.96503	0.00053	6.98	0.98172	0.00052			
7.32	0.96786	0.00052	7.00	0.98341	0.00051			
7.34	0.97112	0.00053	7.02	0.98552	0.00051			
7.36	0.97287	0.00052	7.04	0.98808	0.00053			
7.38	0.97431	0.00053	7.06	0.99109	0.00050			
7.40	0.97817	0.00054	7.08	0.99215	0.00051			
7.42	0.98024	0.00053	7.10	0.99599	0.00051			
7.44	0.98263	0.00054	7.12	0.99719	0.00054			
7.46	0.98396	0.00051	7.16	1.00424	0.00052			
7.50	0.98892	0.00053	7.18	1.00446	0.00051			
7.52	0.99136	0.00053	7.20	1.00858	0.00051			
7.54	0.99388	0.00051						
7.56	0.99506	0.00056						
7.58	0.99737	0.00052						
7.60	1.00120	0.00053						

15000			19600		
4.70	0.91599	0.00042	3.70	0.90205	0.00039
4.75	0.92435	0.00042	3.72	0.90615	0.00037
4.80	0.93374	0.00039	3.74	0.91035	0.00037
4.85	0.94291	0.00041	3.76	0.91503	0.00038
4.90	0.95083	0.00041	3.78	0.91813	0.00038
4.95	0.96062	0.00040	3.80	0.92221	0.00039
5.00	0.96812	0.00044	3.82	0.92702	0.00038
5.05	0.97667	0.00042	3.84	0.93118	0.00039
5.10	0.98572	0.00042	3.86	0.93505	0.00039
5.15	0.99395	0.00042	3.88	0.94001	0.00039
5.20	1.00238	0.00044	3.90	0.94401	0.00039
5.25	1.01124	0.00045	3.92	0.94833	0.00040

5.30	1.01952	0.00043	3.94	0.95212	0.00039
5.35	1.02797	0.00046	3.96	0.95613	0.00039
5.40	1.03591	0.00046	3.98	0.96119	0.00041
5.45	1.04360	0.00045	4.00	0.96450	0.00041
5.50	1.05213	0.00045	4.02	0.96929	0.00039
5.55	1.06045	0.00045	4.06	0.97693	0.00039
5.60	1.06897	0.00045	4.10	0.98593	0.00041
5.65	1.07740	0.00045	4.12	0.98959	0.00041
5.70	1.08466	0.00046	4.14	0.99373	0.00040
			4.16	0.99830	0.00041
			4.18	1.00228	0.00043
			4.20	1.00552	0.00043
			4.22	1.01003	0.00041
			4.26	1.01881	0.00042
			4.28	1.02204	0.00040
			4.30	1.02633	0.00043

sumtable.pu-sp-0800-01

10			13			15		
999.99	0.99129	0.00019	28.00	0.93202	0.00036	23.00	0.92280	0.00044
			28.50	0.93721	0.00039	23.25	0.92607	0.00043
			29.00	0.94162	0.00036	23.50	0.92945	0.00042
			29.50	0.94570	0.00037	23.75	0.93432	0.00043
			30.00	0.94968	0.00038	24.00	0.93666	0.00041
			30.50	0.95329	0.00037	24.25	0.94034	0.00042
			31.00	0.95730	0.00037	24.50	0.94408	0.00042
			31.50	0.96136	0.00037	24.75	0.94734	0.00041
			32.00	0.96505	0.00036	25.00	0.95020	0.00041
			32.50	0.96868	0.00036	25.25	0.95295	0.00042
			33.00	0.97143	0.00036	25.50	0.95663	0.00041
			33.50	0.97474	0.00035	25.75	0.95919	0.00042
			34.00	0.97744	0.00035	26.00	0.96273	0.00042
			34.50	0.98026	0.00035	26.25	0.96414	0.00042
			35.00	0.98414	0.00036	26.50	0.96713	0.00042
			35.50	0.98709	0.00035	26.75	0.97064	0.00040
			36.00	0.98905	0.00034	27.00	0.97438	0.00041
			36.50	0.99257	0.00034	27.25	0.97628	0.00043
			37.00	0.99529	0.00036	27.50	0.97854	0.00040
			37.50	0.99729	0.00035	27.75	0.98179	0.00040
			38.00	0.99906	0.00033	28.00	0.98363	0.00041
			38.50	1.00168	0.00033	28.25	0.98607	0.00039
			39.00	1.00392	0.00035	28.50	0.98903	0.00040
			39.50	1.00615	0.00033	28.75	0.99192	0.00040
			40.00	1.00871	0.00034	29.00	0.99309	0.00041
						29.25	0.99529	0.00040
						29.50	0.99795	0.00040
						29.75	1.00109	0.00040
						30.00	1.00044	0.00041
						30.25	1.00424	0.00040

18		
20.00	0.92707	0.00048
20.25	0.93220	0.00048
20.50	0.93722	0.00047
20.75	0.94209	0.00048
21.00	0.94600	0.00047
21.25	0.95052	0.00046
21.50	0.95580	0.00045
21.75	0.95981	0.00047
22.00	0.96377	0.00049
22.25	0.96977	0.00045
22.50	0.97291	0.00045
22.75	0.97658	0.00045
23.00	0.98113	0.00045
23.25	0.98565	0.00046
23.50	0.98879	0.00046
24.00	0.99720	0.00045
24.25	1.00010	0.00045
24.50	1.00253	0.00045
24.75	1.00582	0.00045
25.25	1.01247	0.00046
25.50	1.01640	0.00045
25.75	1.01956	0.00044
26.00	1.02275	0.00043

20		
19.00	0.93448	0.00051
19.20	0.93957	0.00049
19.40	0.94425	0.00049
19.60	0.94746	0.00049
19.80	0.95363	0.00049
20.00	0.95660	0.00048
20.20	0.96179	0.00050
20.40	0.96398	0.00048
20.80	0.97426	0.00048
21.00	0.97695	0.00048
21.20	0.98098	0.00048
21.40	0.98510	0.00047
21.60	0.98941	0.00048
22.00	0.99565	0.00049
22.20	0.99914	0.00048
22.40	1.00312	0.00048
22.80	1.00953	0.00048
23.00	1.01296	0.00049

22		
17.00	0.90719	0.00050
17.20	0.91408	0.00050
17.40	0.91956	0.00050
17.60	0.92438	0.00051
17.80	0.93004	0.00051
18.00	0.93615	0.00052
18.20	0.94110	0.00051
18.40	0.94592	0.00052
18.60	0.94989	0.00052
18.80	0.95635	0.00052
19.00	0.96037	0.00052
19.20	0.96442	0.00050
19.40	0.97050	0.00051
19.60	0.97445	0.00051
19.80	0.97811	0.00050
20.00	0.98273	0.00052
20.20	0.98719	0.00050
20.40	0.99153	0.00052
20.60	0.99559	0.00050
20.80	0.99968	0.00051
21.00	1.00364	0.00049
21.20	1.00726	0.00049
21.40	1.01236	0.00048
21.60	1.01445	0.00050
21.80	1.01843	0.00052
22.00	1.02289	0.00050

24		
16.00	0.89806	0.00050
16.20	0.90504	0.00056
16.40	0.91050	0.00052
16.60	0.91650	0.00055
16.80	0.92272	0.00053
17.00	0.92939	0.00053
17.20	0.93327	0.00053
17.40	0.94095	0.00053
17.60	0.94623	0.00055
17.80	0.95137	0.00056
18.00	0.95751	0.00054
18.20	0.96177	0.00053
18.40	0.96780	0.00054
18.60	0.97243	0.00054
18.80	0.97717	0.00053
19.00	0.98211	0.00050
19.20	0.98638	0.00053
19.40	0.99235	0.00052
19.60	0.99536	0.00051
19.80	1.00089	0.00051
20.00	1.00607	0.00053
20.20	1.00907	0.00055
20.40	1.01465	0.00051
20.60	1.01825	0.00051
20.80	1.02255	0.00051
21.00	1.02564	0.00051

25		
16.00	0.90797	0.00055
16.25	0.91525	0.00054
16.50	0.92383	0.00053
17.00	0.93873	0.00055
17.25	0.94598	0.00053
17.50	0.95308	0.00053
17.75	0.95840	0.00054
18.00	0.96599	0.00053
18.25	0.97292	0.00053
18.50	0.97889	0.00054
18.75	0.98516	0.00055
19.00	0.99232	0.00055
19.25	0.99848	0.00054
19.75	1.01004	0.00052
20.00	1.01581	0.00052
20.25	1.02028	0.00052
20.50	1.02566	0.00054
20.75	1.03158	0.00052
21.00	1.03599	0.00054

26		
16.00	0.91640	0.00053
16.20	0.92180	0.00056
16.40	0.92846	0.00055
16.60	0.93602	0.00055
16.80	0.94100	0.00057
17.00	0.94753	0.00055
17.20	0.95311	0.00055
17.40	0.95865	0.00055
17.60	0.96524	0.00054
17.80	0.96931	0.00055
18.00	0.97394	0.00054
18.20	0.97988	0.00054
18.40	0.98527	0.00052
18.60	0.99195	0.00054
18.80	0.99546	0.00053
19.00	1.00133	0.00055
19.20	1.00564	0.00053
19.40	1.01078	0.00054
19.80	1.02009	0.00053
20.00	1.02360	0.00053

28			30			32		
15.00	0.89760	0.00058	15.00	0.91054	0.00059	15.00	0.92245	0.00058
15.20	0.90485	0.00054	15.20	0.91786	0.00059	15.20	0.92987	0.00060
15.40	0.91139	0.00055	15.40	0.92445	0.00057	15.40	0.93689	0.00058
15.60	0.91873	0.00057	15.60	0.93272	0.00057	15.60	0.94384	0.00055
16.00	0.93256	0.00056	15.80	0.93808	0.00054	15.80	0.95045	0.00059
16.20	0.93803	0.00058	16.00	0.94618	0.00055	16.00	0.95735	0.00059
16.40	0.94372	0.00057	16.20	0.95257	0.00055	16.20	0.96528	0.00058
16.60	0.95090	0.00055	16.40	0.95858	0.00056	16.40	0.97094	0.00058
16.80	0.95637	0.00056	16.60	0.96410	0.00059	17.00	0.98911	0.00060
17.00	0.96254	0.00057	16.80	0.96993	0.00056	17.20	0.99596	0.00059
17.20	0.96995	0.00056	17.00	0.97682	0.00058	17.40	1.00155	0.00059
17.40	0.97597	0.00056	17.20	0.98358	0.00058	17.60	1.00825	0.00057
17.60	0.98011	0.00055	17.40	0.98890	0.00055	17.80	1.01277	0.00054
17.80	0.98577	0.00057	17.60	0.99552	0.00055	18.00	1.01785	0.00058
18.00	0.99163	0.00057	17.80	1.00048	0.00058	18.20	1.02320	0.00057
18.20	0.99604	0.00057	18.00	1.00683	0.00056	18.80	1.04069	0.00058
18.40	1.00311	0.00052	18.20	1.01096	0.00057	19.00	1.04426	0.00056
18.60	1.00827	0.00056	18.40	1.01577	0.00055			
18.80	1.01241	0.00056	18.60	1.02294	0.00056			
19.00	1.01935	0.00057	18.80	1.02746	0.00058			
19.20	1.02193	0.00054	19.00	1.03101	0.00056			
19.40	1.02779	0.00055	19.10	1.03495	0.00057			
19.60	1.03170	0.00054						
19.80	1.03580	0.00055						
20.00	1.04118	0.00054						

36			40			45		
14.00	0.90255	0.00060	14.00	0.91677	0.00062	13.80	0.92401	0.00064
14.20	0.90990	0.00061	14.20	0.92542	0.00062	14.00	0.93406	0.00064
14.40	0.91814	0.00059	14.40	0.93347	0.00060	14.20	0.94212	0.00064
14.80	0.93391	0.00063	14.60	0.94409	0.00060	14.40	0.95046	0.00062
15.00	0.94292	0.00061	14.80	0.95061	0.00062	14.60	0.95758	0.00063
15.20	0.94838	0.00059	15.00	0.95780	0.00062	14.80	0.96533	0.00063
15.40	0.95711	0.00059	15.20	0.96473	0.00062	15.00	0.97428	0.00061
15.60	0.96455	0.00058	15.40	0.97275	0.00059	15.20	0.97993	0.00062
15.80	0.97054	0.00060	15.60	0.98002	0.00061	15.80	1.00186	0.00062
16.00	0.97812	0.00060	15.80	0.98611	0.00063	16.00	1.00901	0.00061
16.20	0.98454	0.00062	16.00	0.99310	0.00061	16.20	1.01678	0.00064
16.40	0.99054	0.00063	16.20	1.00145	0.00060	16.40	1.02316	0.00061
16.60	0.99780	0.00060	16.40	1.00810	0.00062	16.60	1.03072	0.00061
16.80	1.00448	0.00057	16.60	1.01390	0.00062	16.80	1.03721	0.00064
17.00	1.01087	0.00058	17.00	1.02649	0.00062	17.00	1.04311	0.00060
17.20	1.01623	0.00061	17.20	1.03211	0.00059	17.20	1.04890	0.00061
17.40	1.02373	0.00058	17.40	1.03958	0.00060			
17.60	1.02800	0.00058	17.60	1.04469	0.00062			
17.80	1.03371	0.00059	17.80	1.05147	0.00059			
18.00	1.03937	0.00057	18.00	1.05621	0.00059			
18.10	1.04320	0.00059						

50			75			100		
13.00	0.90077	0.00067	13.00	0.93150	0.00063	12.20	0.89886	0.00066
13.20	0.90831	0.00063	13.20	0.93856	0.00067	12.60	0.91978	0.00068
13.40	0.91789	0.00062	13.40	0.94826	0.00064	12.80	0.92940	0.00067
13.60	0.92802	0.00061	13.60	0.95826	0.00066	13.00	0.93892	0.00067
13.80	0.93616	0.00062	13.80	0.96700	0.00066	13.20	0.94804	0.00066
14.00	0.94454	0.00062	14.00	0.97562	0.00066	13.40	0.95826	0.00068
14.20	0.95357	0.00062	14.20	0.98421	0.00066	13.60	0.96660	0.00068
14.40	0.96246	0.00062	14.40	0.99119	0.00068	13.80	0.97478	0.00067
14.60	0.96904	0.00063	14.60	0.99954	0.00066	14.00	0.98329	0.00067
14.80	0.97760	0.00064	14.80	1.00730	0.00067	14.20	0.99219	0.00069
15.00	0.98632	0.00062	15.00	1.01538	0.00068	14.40	1.00022	0.00067
15.20	0.99321	0.00063	15.20	1.02334	0.00068	14.60	1.00815	0.00066
15.40	1.00014	0.00063	15.40	1.03049	0.00065	14.80	1.01665	0.00067
15.60	1.00865	0.00065	15.60	1.03781	0.00070	15.00	1.02389	0.00068
15.80	1.01470	0.00066	15.80	1.04529	0.00066	15.20	1.03118	0.00073
16.00	1.02285	0.00060	16.00	1.05337	0.00064	15.40	1.03900	0.00068
16.20	1.02898	0.00063	16.20	1.05967	0.00067	15.60	1.04573	0.00070
16.40	1.03518	0.00063				15.80	1.05259	0.00069
16.60	1.04130	0.00065				16.00	1.05997	0.00068
16.80	1.04926	0.00065						
17.00	1.05559	0.00061						

150			200			350		
12.70	0.92461	0.00069	12.80	0.92549	0.00068	13.00	0.91997	0.00067
12.90	0.93530	0.00069	13.00	0.93372	0.00073	13.20	0.92829	0.00069
13.10	0.94452	0.00070	13.20	0.94361	0.00071	13.40	0.93805	0.00068
13.30	0.95208	0.00070	13.40	0.95287	0.00069	13.60	0.94363	0.00067
13.50	0.96354	0.00068	13.60	0.95935	0.00069	13.80	0.95273	0.00068
13.70	0.97065	0.00067	13.80	0.96870	0.00071	14.00	0.96103	0.00070
13.90	0.97914	0.00070	14.00	0.97734	0.00071	14.20	0.96794	0.00071
14.10	0.98695	0.00068	14.20	0.98689	0.00070	14.40	0.97578	0.00067
14.30	0.99432	0.00069	14.40	0.99168	0.00071	14.60	0.98151	0.00071
14.50	1.00376	0.00071	14.60	0.99947	0.00069	14.80	0.99016	0.00067
14.70	1.01133	0.00068	14.80	1.00755	0.00068	15.00	0.99657	0.00069
14.90	1.01891	0.00068	15.00	1.01424	0.00070	15.20	1.00279	0.00071
15.10	1.02547	0.00068	15.20	1.02136	0.00070	15.40	1.01078	0.00068
15.30	1.03335	0.00070	15.40	1.02818	0.00071	15.60	1.01585	0.00068
15.50	1.03957	0.00068	15.60	1.03612	0.00071	15.80	1.02343	0.00070
15.70	1.04691	0.00068	15.80	1.04243	0.00070	16.00	1.02832	0.00069
15.90	1.05506	0.00067	16.00	1.04948	0.00066	16.20	1.03555	0.00069
16.00	1.05683	0.00071				16.40	1.04073	0.00067
						16.60	1.04634	0.00071
						16.80	1.05288	0.00070
						17.00	1.05797	0.00069

500			750			1000		
13.00	0.91593	0.00068	13.00	0.92121	0.00065	12.00	0.89261	0.00066
13.20	0.92259	0.00068	13.20	0.92799	0.00069	12.20	0.90159	0.00068
13.40	0.93176	0.00069	13.40	0.93640	0.00066	12.40	0.90913	0.00063
13.60	0.93993	0.00069	13.60	0.94493	0.00065	12.60	0.92057	0.00065
13.80	0.94593	0.00070	13.80	0.95083	0.00064	12.80	0.92793	0.00065
14.00	0.95392	0.00067	14.00	0.95927	0.00069	13.00	0.93537	0.00065

14.20	0.96216	0.00072
14.40	0.96947	0.00067
14.60	0.97648	0.00070
14.80	0.98270	0.00068
15.00	0.98923	0.00065
15.20	0.99678	0.00068
15.40	1.00247	0.00065
15.60	1.00730	0.00068
15.80	1.01448	0.00068
16.00	1.02075	0.00069
16.20	1.02682	0.00067
16.40	1.03381	0.00064
16.60	1.03955	0.00067
16.80	1.04337	0.00070
17.00	1.04924	0.00072

14.20	0.96691	0.00067
14.40	0.97336	0.00066
14.60	0.98135	0.00066
14.80	0.98761	0.00068
15.00	0.99507	0.00068
15.20	1.00012	0.00067
15.40	1.00603	0.00067
15.60	1.01321	0.00067
15.80	1.01922	0.00063
16.00	1.02668	0.00065
16.20	1.03075	0.00066
16.40	1.03628	0.00067
16.60	1.04141	0.00065
16.80	1.04616	0.00068
17.00	1.05173	0.00065

13.20	0.94266	0.00065
13.40	0.95091	0.00067
13.60	0.95932	0.00066
13.80	0.96642	0.00067
14.00	0.97452	0.00065
14.20	0.98204	0.00068
14.40	0.98845	0.00066
14.60	0.99431	0.00065
14.80	1.00097	0.00065
15.00	1.00825	0.00066
15.20	1.01434	0.00065
15.40	1.02171	0.00063
15.60	1.02811	0.00063
15.80	1.03319	0.00064
16.00	1.03962	0.00066
16.10	1.04205	0.00065

1500

11.70	0.91935	0.00062
11.90	0.92832	0.00063
12.10	0.93863	0.00065
12.30	0.94723	0.00063
12.50	0.95654	0.00063
12.70	0.96443	0.00063
12.90	0.97208	0.00063
13.10	0.98176	0.00065
13.30	0.98909	0.00063
13.50	0.99777	0.00063
13.70	1.00640	0.00064
13.90	1.01262	0.00063
14.10	1.02028	0.00065
14.30	1.02720	0.00063
14.50	1.03469	0.00067
14.70	1.04172	0.00064
15.00	1.05205	0.00063

2000

10.90	0.92358	0.00061
11.00	0.92875	0.00064
11.10	0.93489	0.00063
11.20	0.94071	0.00061
11.30	0.94456	0.00063
11.40	0.94998	0.00064
11.50	0.95517	0.00062
11.60	0.95916	0.00062
11.70	0.96538	0.00060
11.80	0.97067	0.00062
11.90	0.97568	0.00064
12.00	0.98032	0.00062
12.10	0.98517	0.00063
12.20	0.98933	0.00063
12.30	0.99419	0.00062
12.40	0.99839	0.00064
12.50	1.00387	0.00062
12.60	1.00681	0.00063
12.70	1.01243	0.00062
12.80	1.01679	0.00060
12.90	1.02147	0.00061
13.00	1.02572	0.00062
13.10	1.02941	0.00063
13.20	1.03441	0.00062
13.30	1.03797	0.00062
13.40	1.04148	0.00065

2500

10.00	0.91608	0.00063
10.10	0.92194	0.00061
10.20	0.92900	0.00061
10.30	0.93528	0.00063
10.40	0.93954	0.00063
10.50	0.94720	0.00060
10.60	0.95285	0.00063
10.70	0.95843	0.00063
10.80	0.96334	0.00063
10.90	0.96893	0.00063
11.00	0.97607	0.00064
11.10	0.98092	0.00060
11.20	0.98694	0.00063
11.30	0.99176	0.00060
11.40	0.99613	0.00061
11.50	1.00153	0.00063
11.60	1.00659	0.00062
11.70	1.01216	0.00062
11.80	1.01699	0.00063
11.90	1.02216	0.00061
12.00	1.02662	0.00062

3000

9.50	0.92577	0.00062
9.64	0.93675	0.00058
9.71	0.93915	0.00060
9.78	0.94471	0.00065
9.85	0.94936	0.00061
9.92	0.95393	0.00060
9.99	0.95890	0.00061

4000

8.40	0.92229	0.00060
8.47	0.92685	0.00058
8.54	0.93309	0.00062
8.61	0.93945	0.00063
8.68	0.94377	0.00060
8.75	0.95072	0.00061
8.82	0.95553	0.00061

5000

7.60	0.92052	0.00061
7.67	0.92682	0.00060
7.74	0.93382	0.00062
7.88	0.94745	0.00059
7.95	0.95388	0.00060
8.02	0.95871	0.00062
8.09	0.96631	0.00060

10.06	0.96348	0.00062
10.13	0.96752	0.00061
10.20	0.97237	0.00063
10.27	0.97668	0.00062
10.34	0.98147	0.00060
10.41	0.98534	0.00064
10.48	0.98989	0.00061
10.55	0.99347	0.00062
10.62	0.99860	0.00064
10.69	1.00260	0.00061
10.76	1.00731	0.00063
10.83	1.00990	0.00064
10.90	1.01424	0.00062
10.97	1.01868	0.00062
11.00	1.02084	0.00062

8.89	0.96157	0.00061
8.96	0.96668	0.00062
9.03	0.97263	0.00062
9.10	0.97764	0.00061
9.17	0.98215	0.00061
9.24	0.98738	0.00062
9.31	0.99331	0.00061
9.38	0.99918	0.00060
9.45	1.00389	0.00061
9.52	1.00864	0.00063
9.59	1.01407	0.00061
9.66	1.01862	0.00062
9.73	1.02400	0.00063
9.80	1.02828	0.00065
9.87	1.03411	0.00059
9.94	1.03818	0.00058
10.01	1.04281	0.00060
10.08	1.04742	0.00060
10.15	1.05182	0.00064
10.20	1.05552	0.00060

8.16	0.97223	0.00062
8.23	0.97896	0.00060
8.30	0.98470	0.00060
8.37	0.99101	0.00059
8.44	0.99628	0.00061
8.51	1.00086	0.00061
8.58	1.00904	0.00059
8.65	1.01461	0.00059
8.72	1.02054	0.00059
8.79	1.02658	0.00061
8.86	1.03243	0.00061
8.93	1.03750	0.00060
9.00	1.04464	0.00064
9.07	1.04811	0.00061
9.14	1.05408	0.00059
9.21	1.06118	0.00062
9.28	1.06617	0.00063
9.35	1.07141	0.00061
9.42	1.07681	0.00061
9.49	1.08275	0.00061
9.50	1.08335	0.00063

6000		
7.00	0.92133	0.00060
7.05	0.92645	0.00059
7.10	0.93180	0.00057
7.15	0.93753	0.00060
7.20	0.94272	0.00059
7.25	0.94847	0.00060
7.30	0.95278	0.00060
7.35	0.95862	0.00060
7.40	0.96381	0.00059
7.45	0.96939	0.00061
7.50	0.97336	0.00058
7.55	0.97935	0.00058
7.60	0.98362	0.00060
7.65	0.98906	0.00059
7.70	0.99307	0.00060
7.75	0.99822	0.00061
7.80	1.00276	0.00056
7.85	1.00860	0.00058
7.90	1.01310	0.00059
7.95	1.01780	0.00060
8.00	1.02309	0.00061

7000		
6.50	0.92067	0.00059
6.55	0.92726	0.00056
6.60	0.93313	0.00057
6.65	0.93786	0.00058
6.70	0.94514	0.00055
6.75	0.95119	0.00058
6.80	0.95644	0.00058
6.85	0.96162	0.00058
6.90	0.96769	0.00059
6.95	0.97425	0.00058
7.00	0.97783	0.00058
7.05	0.98493	0.00055
7.10	0.98987	0.00057
7.15	0.99633	0.00059
7.20	1.00032	0.00059
7.25	1.00559	0.00058
7.30	1.01219	0.00059
7.35	1.01639	0.00058
7.40	1.02207	0.00060
7.45	1.02757	0.00059
7.50	1.03330	0.00062
7.55	1.03817	0.00061
7.60	1.04343	0.00060

7500		
6.00	0.88502	0.00056
6.05	0.89203	0.00056
6.10	0.89796	0.00056
6.15	0.90383	0.00057
6.20	0.91078	0.00057
6.25	0.91749	0.00057
6.30	0.92320	0.00056
6.35	0.93053	0.00056
6.40	0.93583	0.00058
6.45	0.94262	0.00060
6.50	0.94738	0.00059
6.55	0.95400	0.00056
6.60	0.95944	0.00057
6.65	0.96543	0.00059
6.70	0.97074	0.00059
6.80	0.98384	0.00057
6.85	0.98932	0.00058
6.90	0.99422	0.00060
6.95	1.00014	0.00058
7.00	1.00710	0.00057
7.05	1.01241	0.00057
7.10	1.01815	0.00059
7.15	1.02371	0.00055
7.20	1.02913	0.00057
7.25	1.03452	0.00059
7.30	1.03870	0.00056
7.35	1.04607	0.00061
7.40	1.05174	0.00058

8000			9000			10000		
6.00	0.91065	0.00057	5.70	0.91839	0.00053	5.40	0.92172	0.00051
6.05	0.91734	0.00056	5.75	0.92550	0.00053	5.45	0.92843	0.00052
6.10	0.92310	0.00057	5.80	0.93277	0.00055	5.50	0.93593	0.00054
6.15	0.93060	0.00057	5.85	0.93959	0.00054	5.55	0.94307	0.00054
6.20	0.93553	0.00056	5.90	0.94626	0.00056	5.60	0.95000	0.00054
6.25	0.94236	0.00056	5.95	0.95268	0.00055	5.65	0.95676	0.00054
6.30	0.94897	0.00056	6.00	0.95948	0.00056	5.70	0.96478	0.00053
6.35	0.95533	0.00059	6.05	0.96655	0.00055	5.75	0.97147	0.00053
6.40	0.96103	0.00056	6.10	0.97366	0.00058	5.80	0.97910	0.00056
6.45	0.96797	0.00059	6.15	0.97913	0.00056	5.85	0.98592	0.00054
6.50	0.97428	0.00058	6.20	0.98642	0.00056	5.90	0.99355	0.00057
6.55	0.97972	0.00057	6.25	0.99294	0.00057	5.95	0.99987	0.00056
6.60	0.98602	0.00058	6.30	0.99898	0.00058	6.00	1.00616	0.00057
6.65	0.99135	0.00058	6.35	1.00501	0.00056	6.05	1.01360	0.00055
6.70	0.99817	0.00058	6.40	1.01270	0.00058	6.10	1.02084	0.00056
6.75	1.00447	0.00056	6.45	1.01762	0.00057	6.15	1.02695	0.00056
6.80	1.01060	0.00059	6.50	1.02531	0.00056	6.20	1.03392	0.00057
6.85	1.01547	0.00058	6.55	1.03112	0.00057	6.25	1.04022	0.00055
6.90	1.02279	0.00059	6.60	1.03757	0.00060	6.30	1.04663	0.00056
6.95	1.02657	0.00059	6.65	1.04285	0.00057	6.35	1.05390	0.00056
7.00	1.03391	0.00058	6.70	1.04944	0.00060	6.40	1.06020	0.00057
7.05	1.03929	0.00058	6.75	1.05619	0.00060	6.45	1.06695	0.00057
7.10	1.04534	0.00058	6.80	1.06157	0.00059	6.50	1.07395	0.00057
7.15	1.05000	0.00057	6.90	1.07293	0.00058	6.55	1.08106	0.00056
7.20	1.05528	0.00059	6.95	1.08052	0.00059	6.60	1.08586	0.00057
			7.00	1.08624	0.00060			

15000			19600		
4.10	0.90308	0.00046	3.40	0.91466	0.00043
4.12	0.90649	0.00048	3.42	0.92030	0.00043
4.14	0.91070	0.00047	3.44	0.92399	0.00044
4.16	0.91423	0.00048	3.46	0.92943	0.00046
4.18	0.91749	0.00049	3.48	0.93370	0.00045
4.20	0.92055	0.00049	3.50	0.93844	0.00046
4.22	0.92634	0.00048	3.52	0.94217	0.00047
4.24	0.92983	0.00047	3.54	0.94754	0.00044
4.26	0.93423	0.00048	3.56	0.95192	0.00045
4.28	0.93917	0.00048	3.58	0.95615	0.00046
4.30	0.94133	0.00050	3.60	0.96155	0.00045
4.32	0.94532	0.00047	3.62	0.96450	0.00047
4.34	0.94839	0.00049	3.66	0.97491	0.00046
4.36	0.95189	0.00049	3.68	0.97949	0.00047
4.38	0.95536	0.00045	3.70	0.98391	0.00046
4.40	0.95892	0.00049	3.72	0.98819	0.00048
4.44	0.96668	0.00049	3.74	0.99286	0.00049
4.46	0.97176	0.00051	3.76	0.99666	0.00047
4.48	0.97456	0.00051	3.78	1.00078	0.00049
4.50	0.97796	0.00049	3.80	1.00522	0.00046
4.52	0.98200	0.00049	3.82	1.00952	0.00048
4.54	0.98573	0.00048	3.84	1.01458	0.00048
4.56	0.98908	0.00049	3.86	1.01905	0.00050
4.58	0.99239	0.00048	3.88	1.02406	0.00047
4.60	0.99650	0.00048	3.90	1.02775	0.00048
4.62	0.99974	0.00051			
4.64	1.00388	0.00048			
4.68	1.01046	0.00050			
4.70	1.01378	0.00052			

sumtable.pu-sp-0800-10

10			13			15		
999.98	0.99129	0.00019	27.00	0.93314	0.00037	22.00	0.92437	0.00040
999.99	0.99129	0.00019	27.50	0.93861	0.00036	22.25	0.92876	0.00038
			28.00	0.94224	0.00035	22.50	0.93134	0.00041
			28.50	0.94686	0.00037	22.75	0.93585	0.00041
			29.00	0.95127	0.00035	23.00	0.93836	0.00041
			29.50	0.95527	0.00035	23.25	0.94267	0.00042
			30.00	0.95900	0.00035	23.50	0.94487	0.00039
			30.50	0.96177	0.00036	23.75	0.94879	0.00043
			31.00	0.96594	0.00034	24.00	0.95187	0.00040
			31.50	0.96918	0.00036	24.25	0.95529	0.00040
			32.00	0.97329	0.00035	24.50	0.95778	0.00040
			32.50	0.97544	0.00033	24.75	0.96082	0.00041
			33.00	0.97779	0.00034	25.00	0.96384	0.00038
			33.50	0.98202	0.00033	25.25	0.96687	0.00040
			34.00	0.98539	0.00033	25.50	0.96903	0.00040
			34.50	0.98736	0.00034	25.75	0.97152	0.00038
			35.00	0.98918	0.00035	26.00	0.97432	0.00039
			35.50	0.99232	0.00033	26.25	0.97784	0.00039
			36.00	0.99520	0.00032	27.00	0.98502	0.00038
			36.50	0.99769	0.00033	27.25	0.98807	0.00039
			37.00	1.00042	0.00034	27.50	0.99080	0.00038
			37.50	1.00299	0.00034	27.75	0.99216	0.00038
			38.00	1.00507	0.00032	28.00	0.99442	0.00039
						28.25	0.99677	0.00038
						28.50	0.99893	0.00039
						28.75	1.00088	0.00038
						29.00	1.00314	0.00040
						29.25	1.00579	0.00040
						29.50	1.00781	0.00038
						30.00	1.01080	0.00039

18			20			22		
19.00	0.92977	0.00044	17.00	0.91468	0.00044	16.00	0.91272	0.00048
19.25	0.93526	0.00045	17.25	0.92075	0.00048	16.25	0.91947	0.00049
19.50	0.94005	0.00045	17.50	0.92806	0.00046	16.50	0.92675	0.00050
20.00	0.94999	0.00045	17.75	0.93302	0.00048	16.75	0.93241	0.00050
20.25	0.95375	0.00045	18.00	0.93859	0.00048	17.00	0.93898	0.00048
20.50	0.95863	0.00043	18.25	0.94429	0.00047	17.25	0.94631	0.00049
20.75	0.96265	0.00043	18.50	0.94970	0.00049	17.50	0.95215	0.00048
21.00	0.96799	0.00044	18.75	0.95503	0.00047	18.00	0.96391	0.00050
21.75	0.97983	0.00046	19.00	0.96083	0.00048	18.25	0.97062	0.00050
22.00	0.98229	0.00043	19.25	0.96539	0.00046	18.50	0.97503	0.00049
22.25	0.98715	0.00043	19.50	0.97070	0.00046	18.75	0.98192	0.00050
22.50	0.99093	0.00044	19.75	0.97553	0.00046	19.00	0.98671	0.00049
22.75	0.99457	0.00045	20.00	0.98060	0.00045	19.25	0.99176	0.00049
23.00	0.99825	0.00045	20.25	0.98527	0.00044	19.50	0.99684	0.00049
23.25	1.00253	0.00041	20.50	0.98902	0.00046	20.00	1.00784	0.00048
23.50	1.00513	0.00044	20.75	0.99439	0.00046	20.25	1.01254	0.00047
23.75	1.00787	0.00044	21.00	0.99929	0.00047	20.50	1.01731	0.00047
24.00	1.01172	0.00043	21.25	1.00291	0.00046	20.75	1.02160	0.00046
24.25	1.01521	0.00044	21.50	1.00663	0.00046	21.00	1.02502	0.00047
24.50	1.01775	0.00042	21.75	1.01132	0.00045			
24.75	1.02134	0.00042	22.00	1.01534	0.00045			
25.00	1.02483	0.00044						

24			25			26		
15.00	0.90354	0.00050	15.00	0.91281	0.00051	15.00	0.92142	0.00055
15.20	0.90887	0.00051	15.25	0.92170	0.00052	15.20	0.92918	0.00051
15.40	0.91640	0.00051	15.50	0.92874	0.00052	15.40	0.93363	0.00051
15.60	0.92251	0.00050	15.75	0.93646	0.00051	15.60	0.93992	0.00051
15.80	0.92771	0.00051	16.00	0.94309	0.00052	15.80	0.94622	0.00053
16.00	0.93381	0.00051	16.25	0.95108	0.00050	16.00	0.95273	0.00050
16.20	0.93975	0.00050	16.50	0.95745	0.00052	16.20	0.95846	0.00051
16.40	0.94477	0.00050	16.75	0.96409	0.00052	16.40	0.96390	0.00053
16.60	0.95086	0.00051	17.00	0.97194	0.00051	16.60	0.96988	0.00052
16.80	0.95628	0.00052	17.25	0.97779	0.00051	16.80	0.97483	0.00051
17.00	0.96150	0.00049	17.50	0.98409	0.00051	17.00	0.98084	0.00051
17.20	0.96752	0.00050	17.75	0.99095	0.00051	17.40	0.99116	0.00052
17.60	0.97674	0.00049	18.00	0.99591	0.00051	17.60	0.99671	0.00052
17.80	0.98090	0.00051	18.25	1.00135	0.00051	18.00	1.00562	0.00051
18.00	0.98718	0.00048	18.50	1.00896	0.00052	18.20	1.01039	0.00052
18.40	0.99663	0.00048	18.75	1.01307	0.00053	18.40	1.01613	0.00051
18.60	1.00068	0.00052	19.00	1.01940	0.00050	18.60	1.02051	0.00054
18.80	1.00535	0.00049	19.25	1.02460	0.00052	19.00	1.02966	0.00052
19.00	1.00949	0.00051	19.50	1.02975	0.00050			
19.20	1.01376	0.00048	19.75	1.03464	0.00049			
19.60	1.02179	0.00050	20.00	1.04031	0.00050			
19.80	1.02704	0.00049						
20.00	1.02941	0.00051						

28			30			32		
14.00	0.90266	0.00052	14.00	0.91737	0.00056	13.90	0.92577	0.00053
14.25	0.91222	0.00054	14.20	0.92376	0.00055	14.10	0.93359	0.00055
14.50	0.92083	0.00053	14.40	0.93140	0.00052	14.30	0.94004	0.00053
14.75	0.92913	0.00052	14.60	0.93928	0.00052	14.50	0.94797	0.00054
15.00	0.93774	0.00052	14.80	0.94478	0.00054	14.70	0.95377	0.00057
15.25	0.94680	0.00052	15.00	0.95192	0.00052	15.10	0.96844	0.00058
15.50	0.95365	0.00054	15.20	0.96010	0.00053	15.30	0.97443	0.00055
15.75	0.96202	0.00051	15.40	0.96584	0.00053	15.50	0.98095	0.00056
16.00	0.96981	0.00053	15.60	0.97059	0.00051	15.70	0.98722	0.00056
16.25	0.97739	0.00053	16.20	0.98874	0.00054	15.90	0.99339	0.00055
16.50	0.98345	0.00053	16.40	0.99511	0.00053	16.10	0.99935	0.00053
16.75	0.98987	0.00052	16.60	1.00029	0.00054	16.30	1.00578	0.00053
17.00	0.99787	0.00053	16.80	1.00597	0.00054	16.50	1.01073	0.00055
17.25	1.00469	0.00054	17.00	1.01235	0.00052	16.70	1.01726	0.00056
17.50	1.00960	0.00052	17.20	1.01639	0.00053	16.90	1.02339	0.00054
17.75	1.01651	0.00053	17.40	1.02251	0.00052	17.50	1.03869	0.00054
18.00	1.02309	0.00052	17.60	1.02861	0.00055	17.70	1.04320	0.00055
18.25	1.02902	0.00054	17.80	1.03352	0.00052	17.90	1.04875	0.00054
18.50	1.03498	0.00049	18.00	1.03719	0.00053	18.00	1.05021	0.00055
18.75	1.04097	0.00053						
19.00	1.04657	0.00054						

36			40			45		
13.00	0.91139	0.00057	12.90	0.92363	0.00056	12.00	0.89814	0.00059
13.20	0.91945	0.00055	13.10	0.93118	0.00056	12.20	0.90944	0.00056
13.40	0.92790	0.00058	13.30	0.94064	0.00058	12.40	0.91885	0.00062
13.60	0.93474	0.00055	13.50	0.94990	0.00057	12.60	0.92845	0.00057
13.80	0.94235	0.00056	13.70	0.95599	0.00058	12.80	0.93655	0.00058
14.00	0.95128	0.00056	13.90	0.96334	0.00059	13.00	0.94532	0.00058
14.20	0.95869	0.00056	14.10	0.97215	0.00059	13.20	0.95353	0.00060
14.40	0.96455	0.00056	14.30	0.97943	0.00059	13.40	0.96068	0.00058
14.60	0.97219	0.00059	14.50	0.98679	0.00057	13.60	0.96922	0.00057
15.00	0.98533	0.00056	14.70	0.99245	0.00059	13.80	0.97703	0.00058
15.20	0.99259	0.00053	14.90	0.99984	0.00058	14.00	0.98525	0.00058
15.40	0.99899	0.00058	15.10	1.00584	0.00055	14.20	0.99170	0.00059
15.60	1.00606	0.00057	15.30	1.01343	0.00055	14.40	0.99865	0.00059
15.80	1.01226	0.00054	15.50	1.02025	0.00057	14.60	1.00690	0.00057
16.20	1.02449	0.00054	15.70	1.02631	0.00058	14.80	1.01319	0.00057
16.40	1.03031	0.00055	15.90	1.03292	0.00058	15.00	1.02002	0.00059
16.60	1.03542	0.00056	16.10	1.03760	0.00057	15.20	1.02655	0.00060
16.80	1.04198	0.00055	16.30	1.04442	0.00056	15.60	1.03985	0.00060
17.00	1.04683	0.00056	16.50	1.04952	0.00056	16.00	1.05248	0.00058
17.10	1.05002	0.00057	16.70	1.05533	0.00056			
			16.90	1.06045	0.00056			
			17.00	1.06399	0.00058			

50			75			100		
12.00	0.91370	0.00059	11.80	0.93902	0.00062	11.00	0.91253	0.00062
12.20	0.92053	0.00059	11.90	0.94249	0.00059	11.10	0.91709	0.00065
12.40	0.93118	0.00059	12.00	0.94858	0.00063	11.40	0.93182	0.00062
12.60	0.93950	0.00062	12.10	0.95213	0.00063	11.50	0.93660	0.00063
12.80	0.94903	0.00060	12.20	0.95815	0.00059	11.60	0.94255	0.00063
13.00	0.95563	0.00059	12.30	0.96226	0.00064	11.70	0.94623	0.00066
13.20	0.96636	0.00060	12.40	0.96634	0.00061	11.80	0.95063	0.00062
13.40	0.97431	0.00060	12.50	0.97064	0.00062	12.00	0.96057	0.00064
13.60	0.98191	0.00061	12.60	0.97420	0.00062	12.10	0.96525	0.00063
13.80	0.98976	0.00057	12.70	0.97886	0.00062	12.20	0.96937	0.00065
14.00	0.99731	0.00063	12.80	0.98553	0.00063	12.30	0.97313	0.00063
14.20	1.00606	0.00060	12.90	0.98788	0.00064	12.40	0.97800	0.00065
14.40	1.01217	0.00060	13.00	0.99168	0.00064	12.50	0.98263	0.00063
14.60	1.01930	0.00057	13.30	1.00410	0.00065	12.60	0.98642	0.00065
14.80	1.02596	0.00062	13.40	1.00798	0.00063	12.70	0.99166	0.00064
15.00	1.03373	0.00059	13.50	1.01084	0.00061	12.80	0.99577	0.00062
15.60	1.05209	0.00060	13.60	1.01526	0.00062	12.90	0.99886	0.00067
15.80	1.05883	0.00062	13.70	1.02100	0.00063	13.00	1.00415	0.00064
16.00	1.06488	0.00060	14.00	1.03076	0.00063	13.30	1.01654	0.00065
			14.10	1.03503	0.00063	13.40	1.01998	0.00064
			14.20	1.03920	0.00066	13.50	1.02253	0.00066
			14.30	1.04311	0.00063	13.60	1.02676	0.00067
						13.70	1.03071	0.00066
						13.80	1.03468	0.00065
						13.90	1.03871	0.00062
						14.00	1.04291	0.00064

150			200			350		
11.00	0.91937	0.00064	11.00	0.91762	0.00065	11.20	0.91807	0.00066
11.20	0.92784	0.00065	11.20	0.92687	0.00066	11.40	0.92670	0.00063
11.40	0.93708	0.00065	11.40	0.93669	0.00065	11.60	0.93532	0.00065
11.60	0.94691	0.00065	11.60	0.94495	0.00065	11.80	0.94359	0.00065
11.80	0.95619	0.00066	11.80	0.95384	0.00066	12.40	0.96675	0.00065
12.00	0.96587	0.00063	12.00	0.96230	0.00067	12.60	0.97359	0.00066
12.20	0.97351	0.00064	12.20	0.97072	0.00063	13.40	1.00310	0.00066
12.40	0.98163	0.00066	12.40	0.97859	0.00067	13.60	1.01067	0.00063
12.80	0.99943	0.00066	12.60	0.98728	0.00069	13.80	1.01546	0.00065
13.00	1.00739	0.00064	12.80	0.99462	0.00065	15.00	1.05361	0.00065
13.20	1.01394	0.00063	13.00	1.00255	0.00064			
13.40	1.02305	0.00065	13.20	1.00982	0.00066			
13.60	1.02923	0.00065	13.40	1.01805	0.00064			
13.80	1.03583	0.00065	13.60	1.02531	0.00065			
14.00	1.04462	0.00064	13.80	1.03213	0.00066			
			14.00	1.03890	0.00066			

500			750			1000		
11.00	0.90505	0.00064	11.00	0.91383	0.00064	11.00	0.92733	0.00062
11.20	0.91551	0.00063	11.20	0.92030	0.00064	11.20	0.93542	0.00064
11.40	0.92343	0.00063	12.00	0.95418	0.00064	11.40	0.94346	0.00061
11.60	0.93146	0.00061	12.20	0.96254	0.00065	11.60	0.95139	0.00065
11.80	0.93953	0.00063	12.40	0.96880	0.00064	11.80	0.95921	0.00062
12.00	0.94846	0.00065	12.80	0.98327	0.00063	12.00	0.96707	0.00061
12.60	0.97122	0.00065	13.40	1.00346	0.00062	12.20	0.97495	0.00063
12.80	0.97676	0.00063	13.60	1.01028	0.00064	12.40	0.98233	0.00061
13.00	0.98544	0.00064	13.80	1.01616	0.00064	12.60	0.98917	0.00063
13.20	0.99129	0.00065	14.00	1.02139	0.00064	12.80	0.99690	0.00063
13.40	0.99842	0.00062	14.20	1.02800	0.00064	13.00	1.00414	0.00064
13.60	1.00444	0.00065	14.80	1.04439	0.00062	13.20	1.00945	0.00061
13.80	1.01200	0.00066	15.00	1.05137	0.00063	13.40	1.01746	0.00061
14.00	1.01786	0.00062				13.60	1.02387	0.00060
14.20	1.02415	0.00065				14.00	1.03578	0.00063
14.40	1.02991	0.00065				14.10	1.03871	0.00062
14.60	1.03626	0.00066						
14.80	1.04132	0.00063						
15.00	1.04735	0.00065						

1500			2000			2500		
10.00	0.91648	0.00060	9.30	0.91917	0.00059	8.80	0.92900	0.00059
10.20	0.92627	0.00060	9.37	0.92184	0.00060	8.90	0.93375	0.00060
10.80	0.95588	0.00063	9.44	0.92737	0.00058	9.00	0.94105	0.00061
11.00	0.96524	0.00063	9.51	0.93079	0.00059	9.10	0.94598	0.00062
11.20	0.97327	0.00063	9.58	0.93500	0.00061	9.20	0.95219	0.00059
11.40	0.98213	0.00062	9.65	0.94030	0.00061	9.30	0.95901	0.00063
11.60	0.98883	0.00061	9.72	0.94245	0.00062	9.40	0.96420	0.00062
11.80	0.99718	0.00062	9.79	0.94753	0.00061	9.50	0.97176	0.00059
12.00	1.00696	0.00060	9.86	0.94924	0.00060	9.60	0.97730	0.00060
12.40	1.02114	0.00063	9.93	0.95321	0.00063	9.70	0.98341	0.00061
12.60	1.02913	0.00061	10.00	0.95816	0.00062	9.80	0.98874	0.00061
12.80	1.03708	0.00060	10.07	0.96162	0.00060	10.10	1.00487	0.00060
13.00	1.04265	0.00062	10.28	0.97200	0.00062	10.20	1.00986	0.00058

10.35	0.97494	0.00064
10.42	0.97839	0.00062
10.49	0.98278	0.00062
10.56	0.98581	0.00060
10.63	0.98898	0.00061
10.70	0.99210	0.00062
10.77	0.99572	0.00061
10.84	0.99954	0.00061
10.91	1.00202	0.00061
10.98	1.00584	0.00059
11.05	1.00865	0.00062
11.10	1.01083	0.00060
10.30	1.01469	0.00058
10.40	1.02031	0.00060
10.50	1.02534	0.00061
10.60	1.03009	0.00059
10.70	1.03612	0.00061
10.80	1.03959	0.00059
10.90	1.04515	0.00058
11.00	1.05144	0.00061

3000			4000			5000		
8.10	0.91790	0.00062	7.00	0.89742	0.00060	6.60	0.92062	0.00058
8.20	0.92606	0.00059	7.05	0.90152	0.00057	6.67	0.92658	0.00061
8.40	0.93893	0.00060	7.10	0.90583	0.00058	6.74	0.93300	0.00061
8.50	0.94705	0.00059	7.15	0.91082	0.00060	6.81	0.94024	0.00057
8.60	0.95369	0.00060	7.20	0.91560	0.00058	6.88	0.94808	0.00059
8.70	0.96048	0.00057	7.25	0.91990	0.00058	6.95	0.95325	0.00060
8.80	0.96640	0.00061	7.30	0.92317	0.00060	7.02	0.96073	0.00060
8.90	0.97244	0.00060	7.35	0.92771	0.00061	7.09	0.96805	0.00058
9.00	0.98047	0.00062	7.40	0.93268	0.00058	7.16	0.97342	0.00058
9.10	0.98612	0.00058	7.50	0.94115	0.00058	7.23	0.98114	0.00059
9.20	0.99284	0.00060	7.55	0.94454	0.00058	7.30	0.98546	0.00058
9.30	0.99787	0.00060	7.60	0.94893	0.00059	7.37	0.99284	0.00059
9.40	1.00489	0.00062	7.65	0.95273	0.00060	7.51	1.00541	0.00060
9.50	1.01144	0.00060	7.70	0.95654	0.00058	7.58	1.01139	0.00059
9.60	1.01679	0.00060	7.75	0.96070	0.00059	7.65	1.01771	0.00060
9.80	1.02976	0.00059	7.80	0.96489	0.00059	7.72	1.02470	0.00061
9.90	1.03531	0.00058	7.85	0.96969	0.00058	7.79	1.03111	0.00059
10.00	1.03925	0.00061	7.90	0.97350	0.00061	7.86	1.03543	0.00060
10.10	1.04553	0.00059	7.95	0.97706	0.00060	7.93	1.04266	0.00061
10.20	1.05111	0.00060	8.00	0.98023	0.00061			
			8.05	0.98546	0.00060			
			8.15	0.99288	0.00061			
			8.20	0.99685	0.00064			
			8.30	1.00422	0.00059			
			8.35	1.00847	0.00058			
			8.45	1.01568	0.00057			

6000			7000			7500		
6.00	0.90928	0.00055	5.60	0.91004	0.00058	5.50	0.92141	0.00058
6.07	0.91741	0.00058	5.67	0.91972	0.00055	5.52	0.92340	0.00056
6.14	0.92578	0.00059	5.74	0.92837	0.00059	5.54	0.92563	0.00059
6.35	0.95009	0.00058	5.81	0.93603	0.00059	5.60	0.93361	0.00056
6.42	0.95602	0.00058	5.88	0.94469	0.00057	5.62	0.93597	0.00058
6.49	0.96357	0.00060	5.95	0.95308	0.00059	5.64	0.93976	0.00058
6.56	0.97169	0.00060	6.02	0.96170	0.00058	5.66	0.94136	0.00058
6.63	0.97904	0.00059	6.16	0.97888	0.00060	5.68	0.94362	0.00058
6.70	0.98669	0.00058	6.23	0.98686	0.00060	5.70	0.94612	0.00059
6.77	0.99309	0.00061	6.44	1.01084	0.00059	5.74	0.95205	0.00059
6.84	1.00003	0.00059	6.51	1.01801	0.00061	5.76	0.95420	0.00060

7.05	1.02183	0.00058
7.12	1.02831	0.00060
7.19	1.03485	0.00061
7.26	1.04226	0.00060
7.33	1.04820	0.00060
7.40	1.05540	0.00058
7.47	1.06148	0.00059
7.50	1.06415	0.00063

6.58	1.02571	0.00060
6.65	1.03364	0.00060
6.72	1.04023	0.00061
6.79	1.04965	0.00060
6.93	1.06337	0.00056
7.00	1.07106	0.00061
7.07	1.07746	0.00059
7.10	1.08281	0.00061

5.78	0.95710	0.00060
5.84	0.96463	0.00057
5.86	0.96676	0.00061
5.88	0.96844	0.00059
5.90	0.97131	0.00058
5.92	0.97431	0.00060
5.94	0.97586	0.00058
5.96	0.97871	0.00058
6.00	0.98371	0.00059
6.02	0.98583	0.00059
6.04	0.98849	0.00058
6.06	0.99074	0.00060
6.08	0.99341	0.00057
6.10	0.99655	0.00057
6.12	0.99827	0.00056
6.14	1.00083	0.00058
6.16	1.00348	0.00058
6.18	1.00452	0.00056
6.20	1.00773	0.00061

8000

5.30	0.91827	0.00057
5.32	0.91882	0.00057
5.34	0.92090	0.00058
5.36	0.92498	0.00057
5.38	0.92786	0.00057
5.40	0.92979	0.00057
5.42	0.93307	0.00056
5.44	0.93560	0.00057
5.46	0.93717	0.00058
5.48	0.94154	0.00059
5.50	0.94232	0.00056
5.52	0.94665	0.00058
5.54	0.94841	0.00058
5.56	0.95082	0.00058
5.60	0.95695	0.00058
5.62	0.95895	0.00056
5.64	0.96171	0.00058
5.66	0.96360	0.00057
5.68	0.96668	0.00056
5.70	0.96994	0.00057
5.72	0.97217	0.00058
5.74	0.97451	0.00055
5.76	0.97696	0.00058
5.78	0.98048	0.00060
5.80	0.98161	0.00056
5.82	0.98496	0.00057
5.84	0.98863	0.00056
5.86	0.99052	0.00057
5.88	0.99257	0.00059
5.90	0.99423	0.00060
5.92	0.99759	0.00056
5.94	1.00031	0.00058
5.96	1.00244	0.00058
5.98	1.00517	0.00058
6.00	1.00913	0.00057

9000

5.00	0.91650	0.00057
5.02	0.91886	0.00057
5.04	0.92283	0.00057
5.06	0.92531	0.00056
5.08	0.92945	0.00056
5.10	0.93168	0.00058
5.12	0.93372	0.00059
5.16	0.93995	0.00057
5.18	0.94256	0.00057
5.20	0.94593	0.00057
5.22	0.94817	0.00057
5.26	0.95414	0.00057
5.28	0.95642	0.00056
5.30	0.95986	0.00056
5.32	0.96260	0.00058
5.34	0.96538	0.00058
5.36	0.96896	0.00058
5.38	0.97038	0.00058
5.40	0.97472	0.00057
5.42	0.97631	0.00058
5.44	0.97977	0.00059
5.46	0.98245	0.00055
5.48	0.98527	0.00059
5.50	0.98741	0.00058
5.56	0.99628	0.00059
5.58	0.99789	0.00055
5.60	1.00127	0.00056
5.62	1.00337	0.00058
5.64	1.00593	0.00057
5.66	1.00907	0.00059
5.68	1.01336	0.00057
5.70	1.01333	0.00059

10000

4.72	0.91426	0.00055
4.76	0.92090	0.00059
4.78	0.92448	0.00056
4.80	0.92705	0.00053
4.82	0.92981	0.00052
4.84	0.93326	0.00057
4.86	0.93535	0.00055
4.88	0.93933	0.00056
4.90	0.94198	0.00057
4.92	0.94480	0.00055
4.96	0.95055	0.00057
4.98	0.95466	0.00057
5.00	0.95781	0.00058
5.02	0.96115	0.00054
5.04	0.96355	0.00057
5.06	0.96664	0.00056
5.08	0.96943	0.00056
5.10	0.97373	0.00057
5.12	0.97612	0.00058
5.14	0.97875	0.00059
5.16	0.98133	0.00059
5.18	0.98399	0.00056
5.20	0.98697	0.00058
5.22	0.99041	0.00058
5.24	0.99334	0.00058
5.26	0.99620	0.00057
5.28	0.99883	0.00058
5.30	1.00282	0.00058
5.32	1.00487	0.00058
5.34	1.00790	0.00059
5.36	1.01059	0.00056
5.38	1.01491	0.00060
5.40	1.01575	0.00058

15000			19600		
3.70	0.91075	0.00053	3.10	0.91721	0.00049
3.72	0.91364	0.00050	3.12	0.92169	0.00050
3.74	0.91790	0.00053	3.14	0.92683	0.00051
3.76	0.92295	0.00054	3.16	0.93255	0.00050
3.78	0.92700	0.00051	3.18	0.93784	0.00052
3.80	0.93096	0.00053	3.20	0.94200	0.00050
3.82	0.93472	0.00050	3.22	0.94671	0.00052
3.84	0.93820	0.00052	3.24	0.95221	0.00053
3.86	0.94268	0.00050	3.26	0.95636	0.00049
3.88	0.94517	0.00053	3.28	0.96214	0.00053
3.90	0.95000	0.00052	3.30	0.96662	0.00050
3.92	0.95414	0.00051	3.32	0.97089	0.00052
3.94	0.95776	0.00054	3.34	0.97620	0.00053
3.96	0.96252	0.00052	3.36	0.98134	0.00052
3.98	0.96663	0.00053	3.38	0.98552	0.00051
4.00	0.97072	0.00054	3.40	0.99114	0.00052
4.02	0.97365	0.00054	3.42	0.99611	0.00051
4.04	0.97699	0.00054	3.44	1.00036	0.00053
4.06	0.98172	0.00057	3.46	1.00495	0.00052
4.08	0.98648	0.00056	3.48	1.01005	0.00053
4.10	0.98954	0.00053	3.50	1.01532	0.00054
4.12	0.99455	0.00054			
4.14	0.99803	0.00055			
4.16	1.00084	0.00054			
4.18	1.00459	0.00053			
4.20	1.00933	0.00054			

sumtable.pu-sp-0850-00

10			13			15		
30.00	0.87435	0.00036	26.00	0.93164	0.00040	23.25	0.94079	0.00046
32.50	0.89416	0.00033	26.25	0.93582	0.00042	23.50	0.94499	0.00045
35.00	0.91018	0.00035	26.50	0.93925	0.00041	24.00	0.95403	0.00046
37.50	0.92421	0.00033	26.75	0.94226	0.00040	24.25	0.95693	0.00043
40.00	0.93649	0.00032	27.00	0.94464	0.00041	24.50	0.96161	0.00044
42.50	0.94612	0.00030	27.25	0.94776	0.00041	24.75	0.96470	0.00044
45.00	0.95466	0.00030	27.75	0.95367	0.00041	25.00	0.96895	0.00047
47.50	0.96306	0.00029	28.00	0.95680	0.00040	25.25	0.97231	0.00044
50.00	0.96861	0.00029	28.25	0.95898	0.00039	25.50	0.97547	0.00044
52.50	0.97436	0.00028	28.50	0.96247	0.00040	25.75	0.97935	0.00045
57.50	0.98383	0.00027	28.75	0.96477	0.00039	26.00	0.98320	0.00045
60.00	0.98780	0.00024	29.00	0.96740	0.00040	26.25	0.98530	0.00043
62.50	0.99136	0.00026	29.25	0.97029	0.00038	26.50	0.99020	0.00045
65.00	0.99492	0.00025	29.50	0.97206	0.00041	26.75	0.99326	0.00043
67.50	0.99733	0.00025	29.75	0.97441	0.00039	27.00	0.99658	0.00043
70.00	0.99989	0.00025	30.00	0.97672	0.00040	27.25	0.99951	0.00044
72.50	1.00176	0.00025	30.25	0.97949	0.00040	27.50	1.00222	0.00043
75.00	1.00401	0.00025	30.50	0.98090	0.00039	28.25	1.01160	0.00042
77.50	1.00612	0.00023	30.75	0.98431	0.00037	28.50	1.01477	0.00042
80.00	1.00725	0.00023	31.00	0.98657	0.00038	28.75	1.01601	0.00040
82.50	1.00882	0.00023	31.25	0.98870	0.00038	29.00	1.01963	0.00043
85.00	1.01015	0.00023	31.50	0.99135	0.00039	29.25	1.02275	0.00042
87.50	1.01205	0.00022	31.75	0.99273	0.00038	29.50	1.02482	0.00043
90.00	1.01282	0.00023	32.00	0.99529	0.00038	29.75	1.02788	0.00040

92.50	1.01391	0.00024	32.25	0.99687	0.00039	30.00	1.02954	0.00041
95.00	1.01621	0.00022	32.50	0.99824	0.00038			
97.50	1.01604	0.00022	32.75	1.00095	0.00039			
100.00	1.01753	0.00022	33.00	1.00230	0.00037			
102.50	1.01865	0.00021	33.50	1.00595	0.00038			
105.00	1.01849	0.00022	33.75	1.00776	0.00039			
107.50	1.02009	0.00021	34.00	1.00987	0.00038			
110.00	1.02038	0.00022						

18			20			22		
20.00	0.92985	0.00051	19.00	0.93394	0.00052	18.00	0.92865	0.00053
20.25	0.93591	0.00050	19.20	0.93879	0.00054	18.20	0.93436	0.00056
20.50	0.94067	0.00051	19.40	0.94414	0.00051	18.40	0.94133	0.00054
20.75	0.94824	0.00051	19.80	0.95393	0.00052	18.60	0.94643	0.00054
21.00	0.95294	0.00053	20.00	0.95907	0.00053	18.80	0.95160	0.00054
21.25	0.95880	0.00050	20.20	0.96460	0.00051	19.00	0.95849	0.00054
21.50	0.96483	0.00048	20.40	0.96967	0.00053	19.20	0.96521	0.00052
21.75	0.96960	0.00051	20.60	0.97426	0.00051	19.40	0.96944	0.00057
22.00	0.97548	0.00050	20.80	0.97935	0.00052	19.60	0.97572	0.00053
22.25	0.97983	0.00049	21.00	0.98427	0.00051	19.80	0.98049	0.00055
22.50	0.98432	0.00050	21.20	0.98894	0.00052	20.00	0.98561	0.00054
22.75	0.98965	0.00049	21.40	0.99235	0.00053	20.20	0.99040	0.00055
23.00	0.99381	0.00051	21.60	0.99703	0.00050	20.40	0.99554	0.00055
23.25	0.99946	0.00047	21.80	1.00232	0.00048	20.60	1.00097	0.00052
23.50	1.00339	0.00049	22.00	1.00481	0.00051	20.80	1.00480	0.00055
23.75	1.00661	0.00048	22.20	1.00929	0.00049	21.00	1.00936	0.00051
24.00	1.01337	0.00047	22.30	1.01196	0.00050			
24.25	1.01650	0.00049						
24.50	1.02151	0.00049						
24.75	1.02441	0.00048						
25.00	1.02876	0.00047						

24			25			26		
17.00	0.91465	0.00057	17.00	0.92590	0.00055	16.00	0.89550	0.00059
17.20	0.92338	0.00055	17.20	0.93202	0.00058	16.20	0.90385	0.00057
17.40	0.92933	0.00056	17.40	0.93908	0.00058	16.40	0.91166	0.00058
17.60	0.93774	0.00057	17.60	0.94557	0.00057	16.60	0.91920	0.00057
17.80	0.94278	0.00056	17.80	0.95142	0.00058	16.80	0.92786	0.00058
18.00	0.94965	0.00056	18.00	0.95867	0.00058	17.00	0.93354	0.00058
18.20	0.95616	0.00059	18.20	0.96482	0.00057	17.20	0.94017	0.00056
18.40	0.96227	0.00057	18.40	0.97313	0.00057	17.40	0.94836	0.00057
18.60	0.96803	0.00057	18.60	0.97746	0.00058	17.60	0.95555	0.00059
18.80	0.97313	0.00055	18.80	0.98301	0.00057	17.80	0.96023	0.00057
19.00	0.97926	0.00056	19.00	0.98880	0.00055	18.00	0.96725	0.00058
19.20	0.98624	0.00054	19.20	0.99395	0.00055	18.20	0.97420	0.00058
19.40	0.99059	0.00054	19.40	0.99972	0.00057	18.40	0.98034	0.00058
19.60	0.99732	0.00056	19.60	1.00581	0.00058	18.60	0.98612	0.00057
19.80	1.00253	0.00057	19.80	1.01304	0.00059	18.80	0.99395	0.00055
20.00	1.00751	0.00054	20.00	1.01624	0.00057	19.00	0.99919	0.00059
20.20	1.01395	0.00056	20.20	1.02212	0.00055	19.20	1.00427	0.00055
20.40	1.01714	0.00054	20.40	1.02647	0.00054	19.40	1.00972	0.00057
20.60	1.02201	0.00054	20.60	1.03225	0.00058	19.60	1.01658	0.00057
20.80	1.02823	0.00055	20.80	1.03721	0.00057	19.80	1.02107	0.00057
21.00	1.03316	0.00053	21.00	1.04143	0.00056	20.00	1.02683	0.00056

28			30			32		
16.00	0.91124	0.00059	15.90	0.92167	0.00059	15.00	0.89491	0.00060
16.60	0.93465	0.00060	16.10	0.93002	0.00061	15.20	0.90272	0.00061
16.80	0.94180	0.00059	16.30	0.93675	0.00060	15.40	0.91024	0.00062
17.00	0.94865	0.00061	16.50	0.94473	0.00061	15.60	0.91952	0.00062
17.20	0.95687	0.00059	16.70	0.95108	0.00061	15.80	0.92848	0.00060
17.40	0.96426	0.00059	16.90	0.95878	0.00061	16.00	0.93844	0.00062
17.60	0.96969	0.00059	17.10	0.96587	0.00061	16.20	0.94410	0.00059
17.80	0.97810	0.00055	17.30	0.97425	0.00059	16.80	0.96791	0.00062
18.00	0.98342	0.00058	17.50	0.98175	0.00057	17.00	0.97391	0.00060
18.20	0.99086	0.00060	17.70	0.98864	0.00060	17.20	0.98227	0.00063
18.40	0.99736	0.00061	17.90	0.99422	0.00061	17.40	0.98884	0.00063
18.60	1.00261	0.00058	18.10	1.00117	0.00059	17.60	0.99687	0.00059
18.80	1.00794	0.00058	18.30	1.00772	0.00058	17.80	1.00432	0.00060
19.00	1.01476	0.00059	18.50	1.01401	0.00056	18.00	1.01124	0.00062
19.20	1.02072	0.00058	18.70	1.02064	0.00060	18.20	1.01740	0.00059
19.40	1.02599	0.00057	18.90	1.02654	0.00058	18.40	1.02276	0.00061
20.00	1.04252	0.00059	19.10	1.03223	0.00060	18.60	1.03068	0.00060
			19.30	1.03856	0.00060	18.80	1.03592	0.00059
						19.00	1.04045	0.00060

36			40			45		
15.00	0.91295	0.00063	15.00	0.92793	0.00064	14.00	0.89484	0.00065
15.20	0.92251	0.00061	15.20	0.93793	0.00063	14.20	0.90496	0.00066
15.60	0.94055	0.00062	15.40	0.94672	0.00063	14.40	0.91408	0.00066
15.80	0.94695	0.00065	15.60	0.95506	0.00064	14.60	0.92494	0.00065
16.00	0.95512	0.00063	15.80	0.96384	0.00066	14.80	0.93475	0.00064
16.20	0.96577	0.00060	16.00	0.97238	0.00063	15.00	0.94434	0.00067
16.40	0.97250	0.00063	16.20	0.97977	0.00063	15.20	0.95178	0.00065
16.80	0.98903	0.00063	16.40	0.98901	0.00063	15.40	0.96046	0.00064
17.00	0.99527	0.00063	16.60	0.99691	0.00065	15.60	0.97031	0.00064
17.20	1.00279	0.00063	16.80	1.00404	0.00063	15.80	0.97890	0.00066
17.40	1.01084	0.00061	17.00	1.00999	0.00061	16.00	0.98770	0.00067
17.60	1.01744	0.00064	17.20	1.01966	0.00063	16.20	0.99579	0.00064
17.80	1.02350	0.00063	17.40	1.02752	0.00061	16.40	1.00242	0.00067
18.00	1.03048	0.00063	17.60	1.03391	0.00063	16.60	1.01309	0.00062
18.20	1.03775	0.00064	17.80	1.04099	0.00065	16.80	1.01948	0.00064
18.40	1.04344	0.00065				17.00	1.02718	0.00066
18.60	1.04982	0.00062				17.20	1.03422	0.00066
18.80	1.05679	0.00061				17.40	1.04321	0.00068
19.00	1.06303	0.00061				17.60	1.04939	0.00066
						17.80	1.05748	0.00064
						18.00	1.06317	0.00062

50			75			100		
14.00	0.90505	0.00067	13.80	0.92315	0.00069	13.00	0.88959	0.00071
14.20	0.91670	0.00066	14.00	0.93631	0.00071	13.20	0.90173	0.00071
14.40	0.92611	0.00066	14.20	0.94529	0.00069	13.40	0.91156	0.00072
14.60	0.93623	0.00065	14.40	0.95746	0.00070	13.60	0.92320	0.00070
15.20	0.96477	0.00069	14.60	0.96579	0.00069	13.80	0.93610	0.00070
15.40	0.97390	0.00066	14.80	0.97367	0.00070	14.00	0.94378	0.00074
15.60	0.98223	0.00067	15.00	0.98411	0.00070	14.20	0.95485	0.00072
15.80	0.99104	0.00067	15.20	0.99382	0.00070	14.40	0.96396	0.00071
16.00	0.99890	0.00066	15.40	1.00223	0.00070	14.60	0.97422	0.00072
16.20	1.00841	0.00064	15.60	1.01165	0.00071	14.80	0.98249	0.00072
16.40	1.01668	0.00069	15.80	1.01820	0.00072	15.00	0.99321	0.00071
16.60	1.02388	0.00064	16.00	1.02778	0.00068	15.20	1.00239	0.00070
16.80	1.03090	0.00066	16.20	1.03696	0.00069	15.40	1.01116	0.00070
17.00	1.03952	0.00069	16.40	1.04490	0.00070	15.60	1.02034	0.00071
17.20	1.04721	0.00065	16.60	1.05365	0.00070	15.80	1.02883	0.00073
17.40	1.05378	0.00064	16.80	1.06168	0.00069	16.00	1.03730	0.00072
17.60	1.06126	0.00065	17.00	1.06757	0.00068	16.20	1.04528	0.00071
17.80	1.06721	0.00064				16.40	1.05238	0.00070
18.00	1.07378	0.00064				16.60	1.06026	0.00072
						16.80	1.06865	0.00070
						17.00	1.07672	0.00070

150			200			350		
13.00	0.89152	0.00069	13.70	0.92566	0.00072	13.70	0.91263	0.00072
13.20	0.90288	0.00069	13.90	0.93454	0.00071	13.90	0.92359	0.00070
13.40	0.91398	0.00074	14.10	0.94528	0.00073	14.10	0.93275	0.00070
13.60	0.92414	0.00068	14.30	0.95429	0.00072	14.30	0.94204	0.00071
13.80	0.93507	0.00074	14.50	0.96363	0.00072	14.50	0.95141	0.00070
14.00	0.94554	0.00069	14.70	0.97184	0.00073	14.70	0.95961	0.00069
14.20	0.95492	0.00072	14.90	0.98294	0.00071	14.90	0.96876	0.00070
14.40	0.96447	0.00072	15.10	0.98991	0.00070	15.10	0.97740	0.00068
14.60	0.97443	0.00074	15.30	0.99997	0.00072	15.30	0.98527	0.00071
14.80	0.98380	0.00074	15.50	1.00756	0.00073	15.50	0.99314	0.00071
15.00	0.99315	0.00076	15.70	1.01625	0.00068	15.70	1.00275	0.00070
15.20	1.00233	0.00071	16.50	1.04706	0.00073	15.90	1.00935	0.00072
15.40	1.01179	0.00070	16.70	1.05611	0.00072	16.10	1.01621	0.00069
16.00	1.03582	0.00070	16.90	1.06056	0.00072	16.30	1.02546	0.00070
16.20	1.04265	0.00071	17.00	1.06657	0.00070	16.50	1.02934	0.00070
16.40	1.05075	0.00069				16.70	1.03766	0.00069
16.60	1.05951	0.00073				16.90	1.04630	0.00071
16.80	1.06452	0.00071				17.10	1.05226	0.00074
17.00	1.07412	0.00069						

500			750			1000		
13.80	0.91631	0.00068	13.00	0.88714	0.00067	13.00	0.90355	0.00066
14.00	0.92718	0.00071	13.20	0.89711	0.00070	13.20	0.91474	0.00066
14.20	0.93583	0.00068	13.40	0.90722	0.00065	13.40	0.92295	0.00067
14.40	0.94236	0.00067	13.60	0.91606	0.00068	13.60	0.93398	0.00064
14.60	0.95258	0.00069	13.80	0.92530	0.00069	13.80	0.94198	0.00069
14.80	0.96098	0.00069	14.00	0.93538	0.00070	14.00	0.95198	0.00068
15.00	0.96898	0.00071	14.20	0.94378	0.00068	14.20	0.96134	0.00064
15.20	0.97855	0.00069	14.40	0.95238	0.00067	14.60	0.97702	0.00067

15.40	0.98545	0.00071
15.60	0.99381	0.00073
15.80	1.00084	0.00069
16.00	1.00918	0.00069
16.20	1.01500	0.00069
16.40	1.02334	0.00069
16.60	1.03013	0.00069
16.80	1.03684	0.00068
17.00	1.04315	0.00067
17.20	1.04829	0.00070
17.40	1.05692	0.00068
17.80	1.06785	0.00068
18.00	1.07525	0.00068

14.60	0.96008	0.00068
14.80	0.96871	0.00067
15.00	0.97753	0.00068
15.20	0.98539	0.00068
15.40	0.99240	0.00068
15.60	0.99989	0.00068
15.80	1.00915	0.00066
16.00	1.01360	0.00069
16.20	1.02113	0.00069
16.40	1.02900	0.00069
16.60	1.03668	0.00068
16.80	1.04355	0.00068
17.00	1.05129	0.00066
17.10	1.05230	0.00067

14.80	0.98428	0.00066
15.00	0.99469	0.00072
15.20	1.00256	0.00067
15.40	1.01001	0.00066
15.60	1.01702	0.00067
15.80	1.02439	0.00066
16.00	1.03155	0.00068
16.20	1.03925	0.00069
16.40	1.04671	0.00065
16.60	1.05347	0.00066
16.80	1.06091	0.00067
17.00	1.06669	0.00067

1500		
12.00	0.89474	0.00065
12.10	0.90063	0.00065
12.20	0.90668	0.00064
12.30	0.91136	0.00066
12.40	0.91867	0.00065
12.50	0.92200	0.00065
12.60	0.92711	0.00065
12.70	0.93467	0.00066
12.80	0.93785	0.00062
12.90	0.94250	0.00063
13.10	0.95394	0.00064
13.20	0.95873	0.00065
13.30	0.96334	0.00064
13.40	0.96652	0.00065
13.50	0.97329	0.00068
13.60	0.97761	0.00066
13.70	0.98245	0.00067
13.80	0.98721	0.00067
14.00	0.99559	0.00065
14.10	1.00130	0.00065
14.20	1.00567	0.00065
14.50	1.01790	0.00066
14.60	1.02216	0.00065
14.70	1.02560	0.00066
14.80	1.03172	0.00065
14.90	1.03378	0.00066
15.00	1.03731	0.00067
15.10	1.04342	0.00065
15.20	1.04797	0.00065
15.30	1.05107	0.00064
15.40	1.05458	0.00065

2000		
11.70	0.92447	0.00063
11.80	0.93098	0.00060
11.90	0.93594	0.00064
12.00	0.94296	0.00064
12.10	0.94805	0.00063
12.20	0.95368	0.00061
12.30	0.96090	0.00062
12.40	0.96545	0.00063
12.50	0.97061	0.00064
12.60	0.97576	0.00061
12.70	0.98207	0.00062
12.80	0.98721	0.00063
12.90	0.99160	0.00064
13.00	0.99709	0.00063
13.10	1.00248	0.00066
13.20	1.00770	0.00062
13.30	1.01172	0.00065
13.40	1.01645	0.00064
13.50	1.02274	0.00062
13.60	1.02771	0.00063
13.70	1.03054	0.00064
13.80	1.03566	0.00062
13.90	1.04123	0.00064
14.00	1.04530	0.00064
14.10	1.04973	0.00068
14.20	1.05519	0.00063
14.30	1.05962	0.00061

2500		
11.00	0.92761	0.00062
11.10	0.93491	0.00063
11.20	0.94078	0.00062
11.30	0.94793	0.00060
11.40	0.95443	0.00061
11.50	0.96007	0.00062
11.60	0.96648	0.00063
11.70	0.97188	0.00061
11.80	0.97800	0.00061
11.90	0.98530	0.00066
12.00	0.99071	0.00061
12.10	0.99591	0.00063
12.20	1.00133	0.00061
12.30	1.00788	0.00064
12.40	1.01308	0.00063
12.50	1.01917	0.00062
12.60	1.02442	0.00065
12.70	1.02997	0.00063
12.80	1.03465	0.00061
12.90	1.04024	0.00063
13.00	1.04611	0.00063

3000			4000			5000		
10.07	0.90865	0.00060	9.20	0.91888	0.00059	8.40	0.91998	0.00058
10.14	0.91247	0.00060	9.25	0.92353	0.00061	8.47	0.92500	0.00057
10.21	0.91629	0.00061	9.30	0.92610	0.00059	8.54	0.93166	0.00058
10.28	0.92239	0.00060	9.35	0.93164	0.00061	8.61	0.93941	0.00057
10.35	0.92832	0.00060	9.40	0.93559	0.00062	8.68	0.94562	0.00060
10.42	0.93234	0.00059	9.45	0.93821	0.00064	8.75	0.95200	0.00057
10.49	0.93730	0.00063	9.50	0.94435	0.00058	8.82	0.95756	0.00058
10.56	0.94313	0.00063	9.55	0.94742	0.00062	8.89	0.96490	0.00060
10.63	0.94771	0.00064	9.60	0.95216	0.00060	8.96	0.97166	0.00061
10.70	0.95276	0.00061	9.65	0.95696	0.00061	9.03	0.97725	0.00057
10.84	0.96174	0.00062	9.70	0.96002	0.00059	9.10	0.98577	0.00057
10.91	0.96699	0.00062	9.75	0.96511	0.00060	9.17	0.99067	0.00060
10.98	0.97269	0.00062	9.80	0.96887	0.00059	9.24	0.99647	0.00060
11.05	0.97716	0.00060	9.85	0.97269	0.00061	9.31	1.00312	0.00059
11.12	0.98087	0.00063	9.90	0.97804	0.00060	9.38	1.00978	0.00061
11.19	0.98676	0.00062	9.95	0.98174	0.00060	9.45	1.01565	0.00061
11.26	0.98915	0.00061	10.00	0.98571	0.00059	9.52	1.02089	0.00062
11.33	0.99540	0.00061	10.05	0.98819	0.00057	9.59	1.02793	0.00060
11.40	1.00026	0.00062	10.10	0.99230	0.00060	9.66	1.03444	0.00061
11.47	1.00388	0.00061	10.15	0.99568	0.00059	9.73	1.03976	0.00061
11.54	1.00894	0.00062	10.20	0.99987	0.00063	9.80	1.04584	0.00060
11.61	1.01250	0.00062	10.25	1.00477	0.00061	9.87	1.05237	0.00059
11.68	1.01852	0.00060	10.40	1.01506	0.00059	9.94	1.05876	0.00058
11.75	1.02046	0.00063	10.45	1.02028	0.00062	10.00	1.06211	0.00060
11.82	1.02708	0.00063	10.50	1.02262	0.00060			
11.89	1.02930	0.00062	10.55	1.02752	0.00061			
11.96	1.03484	0.00062	10.60	1.03106	0.00062			
12.00	1.03737	0.00063						

6000			7000			7500		
7.70	0.91105	0.00056	7.30	0.92582	0.00055	7.00	0.91847	0.00052
7.77	0.91848	0.00056	7.32	0.92899	0.00055	7.07	0.92739	0.00052
7.84	0.92537	0.00056	7.34	0.93086	0.00054	7.14	0.93493	0.00054
7.91	0.93414	0.00056	7.36	0.93302	0.00054	7.21	0.94459	0.00055
7.98	0.94139	0.00054	7.38	0.93478	0.00053	7.28	0.95234	0.00054
8.05	0.94946	0.00056	7.40	0.93762	0.00056	7.35	0.96078	0.00053
8.12	0.95604	0.00057	7.42	0.93932	0.00054	7.42	0.96791	0.00054
8.19	0.96528	0.00057	7.48	0.94777	0.00056	7.49	0.97736	0.00054
8.26	0.97096	0.00057	7.50	0.94978	0.00054	7.56	0.98649	0.00056
8.47	0.99272	0.00059	7.52	0.95249	0.00057	7.63	0.99396	0.00054
8.54	0.99948	0.00059	7.54	0.95474	0.00053	7.70	1.00077	0.00054
8.61	1.00559	0.00058	7.56	0.95672	0.00056	7.77	1.01008	0.00056
8.68	1.01317	0.00058	7.58	0.95796	0.00055	7.84	1.01852	0.00055
8.89	1.03351	0.00058	7.64	0.96557	0.00055	7.91	1.02551	0.00054
8.96	1.03967	0.00061	7.66	0.96791	0.00055	7.98	1.03296	0.00055
9.03	1.04650	0.00059	7.68	0.96974	0.00056	8.05	1.04099	0.00057
9.10	1.05392	0.00058	7.72	0.97519	0.00057	8.12	1.04945	0.00057
9.17	1.05879	0.00060	7.74	0.97726	0.00054	8.19	1.05597	0.00057
9.20	1.06196	0.00058	7.76	0.97923	0.00056	8.26	1.06362	0.00058
			7.78	0.98171	0.00058	8.33	1.07135	0.00056
			7.80	0.98281	0.00054	8.40	1.07953	0.00059
			7.82	0.98524	0.00058	8.47	1.08660	0.00056
			7.84	0.98822	0.00055	8.50	1.09009	0.00059
			7.86	0.99078	0.00056			
			7.88	0.99293	0.00057			
			7.90	0.99449	0.00057			
			7.92	0.99709	0.00058			
			7.94	0.99905	0.00055			
			7.96	1.00056	0.00053			
			7.98	1.00357	0.00058			
			8.00	1.00615	0.00056			

8000			9000			10000		
6.80	0.91976	0.00050	6.42	0.92283	0.00050	6.04	0.91965	0.00047
6.82	0.92289	0.00052	6.44	0.92586	0.00051	6.06	0.92281	0.00045
6.84	0.92564	0.00055	6.46	0.92796	0.00051	6.08	0.92591	0.00047
6.86	0.92940	0.00052	6.48	0.93176	0.00050	6.10	0.92838	0.00046
6.88	0.93043	0.00051	6.50	0.93374	0.00049	6.12	0.93111	0.00047
6.90	0.93381	0.00052	6.52	0.93661	0.00050	6.14	0.93482	0.00047
6.92	0.93555	0.00052	6.54	0.93957	0.00050	6.16	0.93829	0.00048
6.94	0.93845	0.00051	6.56	0.94221	0.00051	6.18	0.94107	0.00049
6.96	0.94051	0.00053	6.58	0.94434	0.00051	6.20	0.94284	0.00047
6.98	0.94375	0.00053	6.60	0.94752	0.00049	6.22	0.94610	0.00049
7.00	0.94598	0.00052	6.62	0.95042	0.00052	6.24	0.94908	0.00050
7.02	0.94893	0.00053	6.64	0.95250	0.00050	6.26	0.95234	0.00048
7.04	0.95119	0.00054	6.66	0.95512	0.00050	6.28	0.95371	0.00048
7.06	0.95448	0.00053	6.68	0.95866	0.00051	6.30	0.95767	0.00049
7.08	0.95720	0.00052	6.70	0.96145	0.00050	6.32	0.96004	0.00048
7.10	0.95799	0.00054	6.72	0.96292	0.00052	6.34	0.96367	0.00048
7.12	0.96124	0.00052	6.74	0.96584	0.00052	6.36	0.96625	0.00048
7.14	0.96343	0.00053	6.76	0.96777	0.00053	6.38	0.96727	0.00047
7.16	0.96605	0.00052	6.78	0.97158	0.00050	6.40	0.97187	0.00049
7.18	0.96826	0.00053	6.80	0.97420	0.00052	6.42	0.97324	0.00050
7.20	0.96966	0.00052	6.82	0.97614	0.00052	6.44	0.97702	0.00048
7.22	0.97347	0.00052	6.84	0.97805	0.00050	6.46	0.97980	0.00049
7.24	0.97537	0.00053	6.86	0.98205	0.00053	6.48	0.98187	0.00051
7.26	0.97816	0.00053	6.88	0.98408	0.00053	6.50	0.98506	0.00049
7.28	0.97983	0.00051	6.90	0.98693	0.00051	6.52	0.98764	0.00050
7.30	0.98328	0.00054	6.92	0.98991	0.00053	6.54	0.99021	0.00050
7.32	0.98541	0.00055	6.94	0.99202	0.00052	6.56	0.99326	0.00050
7.34	0.98829	0.00054	6.96	0.99514	0.00053	6.58	0.99574	0.00049
7.36	0.99111	0.00055	6.98	0.99792	0.00052	6.60	0.99706	0.00050
7.38	0.99251	0.00051	7.00	1.00067	0.00054	6.62	1.00138	0.00051
7.44	1.00007	0.00052	7.02	1.00214	0.00052	6.64	1.00457	0.00049
7.46	1.00286	0.00054	7.04	1.00431	0.00052	6.66	1.00600	0.00051
7.48	1.00406	0.00054	7.06	1.00694	0.00052	6.68	1.01003	0.00050
			7.08	1.00989	0.00049	6.70	1.01243	0.00051
			7.10	1.01157	0.00055	6.72	1.01529	0.00050
						6.74	1.01696	0.00051
						6.76	1.01972	0.00052
						6.78	1.02387	0.00051
						6.80	1.02439	0.00050

15000			19600		
4.60	0.91152	0.00042	3.70	0.91309	0.00039
4.65	0.92037	0.00041	3.72	0.91686	0.00039
4.70	0.92959	0.00042	3.76	0.92628	0.00039
4.75	0.93815	0.00042	3.78	0.93008	0.00040
4.80	0.94796	0.00041	3.80	0.93432	0.00040
4.85	0.95599	0.00043	3.86	0.94727	0.00039
4.90	0.96463	0.00041	3.88	0.95083	0.00039
4.95	0.97315	0.00043	3.90	0.95519	0.00039
5.00	0.98204	0.00042	3.92	0.96067	0.00040
5.05	0.99021	0.00044	3.94	0.96396	0.00040
5.10	0.99850	0.00043	3.96	0.96854	0.00041
5.15	1.00803	0.00045	4.02	0.98105	0.00041
5.20	1.01601	0.00043	4.04	0.98453	0.00042
5.35	1.04202	0.00046	4.06	0.98880	0.00041
5.40	1.04991	0.00045	4.08	0.99370	0.00041
5.45	1.05838	0.00046	4.10	0.99788	0.00041
5.50	1.06739	0.00046	4.12	1.00189	0.00042
5.55	1.07551	0.00045	4.18	1.01427	0.00042
5.60	1.08355	0.00047	4.20	1.01961	0.00041

sumtable.pu-sp-0850-01

10			13			15		
30.00	0.88719	0.00034	23.00	0.91210	0.00040	20.00	0.90869	0.00044
32.50	0.90505	0.00033	23.50	0.91800	0.00042	20.25	0.91311	0.00043
35.00	0.91995	0.00032	24.00	0.92712	0.00042	20.50	0.91814	0.00046
37.50	0.93155	0.00031	24.50	0.93341	0.00039	20.75	0.92263	0.00044
40.00	0.94212	0.00030	25.00	0.93852	0.00041	21.00	0.92761	0.00045
42.50	0.95085	0.00031	25.50	0.94504	0.00040	21.25	0.93315	0.00043
45.00	0.95920	0.00029	26.00	0.95101	0.00038	21.50	0.93764	0.00047
47.50	0.96694	0.00027	26.50	0.95660	0.00038	21.75	0.94080	0.00044
50.00	0.97174	0.00028	27.00	0.96166	0.00039	22.00	0.94459	0.00043
52.50	0.97642	0.00027	27.50	0.96610	0.00038	22.25	0.94922	0.00043
55.00	0.98195	0.00027	28.00	0.97331	0.00038	22.50	0.95399	0.00044
57.50	0.98588	0.00025	28.50	0.97775	0.00037	22.75	0.95686	0.00043
60.00	0.99002	0.00025	29.00	0.98140	0.00037	23.00	0.96278	0.00043
62.50	0.99377	0.00025	29.50	0.98671	0.00040	23.25	0.96507	0.00043
65.00	0.99644	0.00024	31.50	1.00310	0.00036	23.50	0.96976	0.00043
67.50	0.99898	0.00025	32.00	1.00607	0.00036	23.75	0.97366	0.00043
70.00	1.00099	0.00025	32.50	1.01023	0.00038	24.00	0.97677	0.00043
72.50	1.00299	0.00023	33.00	1.01349	0.00037	24.25	0.98047	0.00045
75.00	1.00462	0.00025				24.50	0.98363	0.00042
77.50	1.00657	0.00022				24.75	0.98736	0.00043
80.00	1.00913	0.00023				25.00	0.99034	0.00042
82.50	1.00999	0.00022				25.25	0.99279	0.00042
85.00	1.01109	0.00023				25.50	0.99629	0.00043
87.50	1.01207	0.00023				25.75	1.00049	0.00043
90.00	1.01413	0.00023				26.75	1.01087	0.00042
92.50	1.01516	0.00022				27.00	1.01426	0.00042
95.00	1.01527	0.00022						

18			20			22		
18.00	0.91765	0.00050	17.00	0.91993	0.00050	16.50	0.92878	0.00053
18.25	0.92353	0.00050	17.20	0.92529	0.00053	16.75	0.93720	0.00052
18.50	0.93151	0.00048	17.40	0.93047	0.00052	17.00	0.94433	0.00054
18.75	0.93696	0.00047	17.60	0.93680	0.00052	17.25	0.95233	0.00054
19.00	0.94256	0.00049	17.80	0.94239	0.00049	17.50	0.95849	0.00052
19.25	0.94825	0.00049	18.00	0.94786	0.00052	18.25	0.97980	0.00052
19.50	0.95308	0.00047	18.20	0.95328	0.00050	18.50	0.98582	0.00050
19.75	0.96015	0.00048	18.40	0.95871	0.00051	18.75	0.99227	0.00052
20.00	0.96534	0.00049	18.60	0.96289	0.00051	19.00	0.99777	0.00053
20.25	0.97024	0.00048	18.80	0.96787	0.00051	19.25	1.00475	0.00052
20.50	0.97636	0.00048	19.00	0.97352	0.00049	19.50	1.00967	0.00052
20.75	0.98082	0.00048	19.20	0.97751	0.00052	19.75	1.01600	0.00052
21.00	0.98649	0.00046	19.40	0.98231	0.00052	20.00	1.02253	0.00051
21.25	0.98968	0.00049	19.60	0.98782	0.00049	20.25	1.02786	0.00051
21.50	0.99530	0.00047	19.80	0.99091	0.00051	20.50	1.03277	0.00051
21.75	0.99891	0.00046	20.00	0.99547	0.00049	20.75	1.03826	0.00051
22.00	1.00378	0.00046	20.20	1.00061	0.00050	21.00	1.04335	0.00051
22.25	1.00813	0.00045	20.40	1.00559	0.00048			
22.50	1.01320	0.00046	20.60	1.00900	0.00050			
22.75	1.01770	0.00045	20.80	1.01330	0.00048			
23.00	1.02106	0.00048						

24			25			26		
15.00	0.89934	0.00056	15.00	0.90784	0.00054	15.00	0.91710	0.00055
15.25	0.90691	0.00056	15.20	0.91450	0.00056	15.20	0.92399	0.00056
16.00	0.93408	0.00055	15.40	0.92122	0.00053	15.40	0.93093	0.00056
16.25	0.94314	0.00053	15.60	0.92861	0.00053	16.00	0.95281	0.00053
16.50	0.95017	0.00055	15.80	0.93566	0.00056	16.20	0.95928	0.00056
17.00	0.96492	0.00054	16.00	0.94266	0.00055	16.40	0.96606	0.00056
17.25	0.97217	0.00052	16.20	0.94961	0.00055	16.60	0.97158	0.00054
17.75	0.98910	0.00055	16.40	0.95758	0.00053	16.80	0.97843	0.00054
18.00	0.99474	0.00055	16.60	0.96290	0.00052	17.00	0.98427	0.00056
18.25	1.00080	0.00052	16.80	0.96976	0.00054	17.20	0.99111	0.00054
18.50	1.00831	0.00053	17.00	0.97517	0.00055	17.40	0.99568	0.00056
18.75	1.01400	0.00053	17.20	0.98295	0.00056	17.60	1.00219	0.00055
19.00	1.02078	0.00053	17.40	0.98762	0.00054	17.80	1.00823	0.00056
19.25	1.02764	0.00052	17.60	0.99369	0.00056	18.00	1.01314	0.00055
19.50	1.03158	0.00054	17.80	0.99916	0.00054	18.20	1.01987	0.00054
19.75	1.03900	0.00052	18.00	1.00401	0.00054	18.40	1.02413	0.00053
20.00	1.04286	0.00052	18.80	1.02646	0.00054	18.60	1.02899	0.00055
			19.00	1.03144	0.00057	18.80	1.03497	0.00054
						19.00	1.04103	0.00056

28			30			32		
14.00	0.89061	0.00058	14.00	0.90558	0.00060	14.00	0.91539	0.00061
14.20	0.89886	0.00056	14.20	0.91224	0.00059	14.20	0.92482	0.00062
14.40	0.90716	0.00056	14.40	0.92291	0.00059	14.40	0.93301	0.00059
14.60	0.91642	0.00057	14.60	0.92897	0.00060	14.60	0.94294	0.00059
14.80	0.92440	0.00059	14.80	0.93754	0.00058	14.80	0.94877	0.00060
15.00	0.93120	0.00059	15.00	0.94546	0.00058	15.00	0.95775	0.00058
15.20	0.93829	0.00057	15.20	0.95301	0.00059	15.20	0.96535	0.00056
15.40	0.94614	0.00057	15.40	0.95985	0.00058	15.40	0.97303	0.00058
15.60	0.95486	0.00055	15.60	0.96703	0.00058	15.60	0.97998	0.00060
15.80	0.96147	0.00058	15.80	0.97447	0.00059	15.80	0.98641	0.00057
16.00	0.96745	0.00056	16.00	0.98094	0.00057	16.00	0.99441	0.00059
16.20	0.97534	0.00056	16.20	0.98927	0.00057	16.20	1.00007	0.00058
16.40	0.98149	0.00056	16.40	0.99482	0.00058	16.40	1.00782	0.00060
16.60	0.98797	0.00060	16.60	1.00302	0.00056	17.40	1.03900	0.00058
16.80	0.99447	0.00058	16.80	1.00810	0.00057	17.60	1.04498	0.00060
17.00	1.00144	0.00056	17.00	1.01444	0.00059	17.80	1.05250	0.00058
17.20	1.00717	0.00057	17.20	1.02183	0.00058	18.00	1.05677	0.00054
17.40	1.01261	0.00058	17.40	1.02750	0.00057			
17.60	1.01915	0.00058	17.60	1.03317	0.00056			
17.80	1.02467	0.00056	17.80	1.03802	0.00058			
18.00	1.02996	0.00055	18.00	1.04432	0.00058			
18.20	1.03583	0.00055						
18.40	1.04107	0.00054						
18.60	1.04663	0.00054						
18.80	1.05123	0.00056						
19.00	1.05757	0.00057						

36			40			45		
14.10	0.94128	0.00062	13.00	0.90598	0.00062	12.00	0.86919	0.00063
14.30	0.94978	0.00060	13.20	0.91561	0.00061	12.20	0.87989	0.00061
14.50	0.95657	0.00063	13.40	0.92491	0.00063	13.00	0.92016	0.00062
14.70	0.96496	0.00059	13.60	0.93386	0.00062	13.20	0.93127	0.00064
14.90	0.97352	0.00061	13.80	0.94345	0.00059	13.40	0.93950	0.00064
15.10	0.98204	0.00063	14.00	0.95234	0.00060	13.60	0.94977	0.00064
15.30	0.98968	0.00062	14.20	0.96015	0.00063	14.40	0.98404	0.00062
15.50	0.99625	0.00059	14.40	0.97038	0.00061	14.60	0.99430	0.00064
15.70	1.00529	0.00060	14.60	0.97794	0.00061	14.80	0.99894	0.00063
15.90	1.01051	0.00061	14.80	0.98670	0.00061	15.00	1.00969	0.00062
16.10	1.01892	0.00059	15.00	0.99340	0.00063	15.20	1.01718	0.00064
16.30	1.02551	0.00060	15.20	1.00243	0.00059	15.40	1.02646	0.00062
16.50	1.03181	0.00060	15.40	1.00886	0.00063	15.60	1.03376	0.00062
16.70	1.03970	0.00060	15.60	1.01632	0.00063	15.80	1.03921	0.00063
			15.80	1.02479	0.00062	16.00	1.04678	0.00061
			16.00	1.03192	0.00061	16.20	1.05533	0.00061
			16.20	1.03821	0.00061	16.40	1.06031	0.00066
			16.80	1.05814	0.00063	16.60	1.06703	0.00062
			17.00	1.06355	0.00065	16.80	1.07502	0.00063
						17.00	1.08180	0.00064

50			75			100		
12.40	0.90242	0.00066	12.00	0.91019	0.00066	12.00	0.92093	0.00068
12.60	0.91214	0.00061	12.20	0.92283	0.00068	12.20	0.93187	0.00069
12.80	0.92231	0.00063	12.40	0.93333	0.00067	12.40	0.94185	0.00068
13.00	0.93264	0.00061	12.60	0.94334	0.00069	12.60	0.95335	0.00071
13.20	0.94230	0.00065	12.80	0.95356	0.00069	12.80	0.96358	0.00067
13.40	0.95251	0.00067	13.00	0.96298	0.00066	13.00	0.97324	0.00068
14.00	0.97945	0.00064	13.20	0.97268	0.00069	13.20	0.98308	0.00070
14.20	0.98811	0.00061	13.40	0.98233	0.00069	13.40	0.99060	0.00068
14.40	0.99610	0.00064	13.60	0.99125	0.00066	13.60	1.00046	0.00069
14.60	1.00661	0.00066	13.80	1.00096	0.00068	13.80	1.01098	0.00070
14.80	1.01416	0.00064	14.00	1.01075	0.00067	14.00	1.01981	0.00072
15.00	1.02090	0.00063	14.20	1.02001	0.00068	14.20	1.02808	0.00070
15.20	1.02922	0.00064	14.40	1.02769	0.00065	14.40	1.03636	0.00069
15.40	1.03869	0.00062	14.60	1.03540	0.00071	14.60	1.04440	0.00067
15.60	1.04360	0.00065	14.80	1.04456	0.00068	14.80	1.05291	0.00068
15.80	1.05209	0.00064	15.00	1.05144	0.00068	15.00	1.05966	0.00069
16.00	1.05846	0.00064	15.20	1.05937	0.00066			
16.10	1.06357	0.00067						

150			200			350		
11.90	0.91866	0.00072	12.00	0.91940	0.00069	12.20	0.91878	0.00070
12.10	0.92945	0.00068	12.10	0.92368	0.00069	12.80	0.94807	0.00070
12.30	0.93911	0.00067	12.20	0.92994	0.00072	13.40	0.97257	0.00070
12.50	0.95033	0.00072	12.30	0.93557	0.00068	13.60	0.98221	0.00068
12.70	0.95956	0.00068	12.40	0.93917	0.00072	13.80	0.98794	0.00069
12.90	0.96928	0.00071	12.50	0.94504	0.00065	14.00	0.99768	0.00069
13.10	0.97815	0.00068	12.60	0.94920	0.00071	14.80	1.02763	0.00070
13.30	0.98852	0.00070	12.70	0.95445	0.00069	15.00	1.03496	0.00068
13.50	0.99696	0.00068	12.80	0.95951	0.00067	15.20	1.04253	0.00069
13.70	1.00575	0.00067	12.90	0.96434	0.00071	15.40	1.04944	0.00071

13.90	1.01517	0.00070
14.10	1.02279	0.00067
14.30	1.03116	0.00072
14.50	1.03850	0.00069
14.70	1.04832	0.00068
14.90	1.05457	0.00071
15.00	1.06001	0.00069

13.00	0.96868	0.00069
13.10	0.97219	0.00068
13.20	0.97857	0.00069
13.30	0.98326	0.00068
13.40	0.98688	0.00070
13.50	0.99035	0.00072
13.60	0.99595	0.00069
13.70	0.99988	0.00073
13.80	1.00509	0.00069
13.90	1.00804	0.00068
14.00	1.01272	0.00071

15.60	1.05787	0.00070
15.80	1.06307	0.00071
16.00	1.06995	0.00070

500

12.00	0.90811	0.00071
12.20	0.91568	0.00065
12.40	0.92541	0.00067
12.60	0.93533	0.00068
12.80	0.94311	0.00067
13.00	0.95242	0.00068
13.20	0.96061	0.00069
13.40	0.97003	0.00067
13.60	0.97721	0.00067
13.80	0.98550	0.00070
14.00	0.99402	0.00066
14.20	1.00141	0.00068
15.00	1.02935	0.00067
15.20	1.03733	0.00070
15.40	1.04335	0.00070
15.60	1.05103	0.00068
15.80	1.05748	0.00066
16.00	1.06282	0.00067

750

12.00	0.91273	0.00069
12.60	0.94245	0.00067
12.80	0.95233	0.00067
13.00	0.95921	0.00065
13.20	0.96767	0.00064
13.40	0.97521	0.00068
13.60	0.98489	0.00067
13.80	0.99268	0.00068
14.00	0.99918	0.00070
14.20	1.00752	0.00067
14.40	1.01508	0.00068
14.60	1.02236	0.00067
14.80	1.02967	0.00066

1000

11.90	0.92475	0.00067
12.10	0.93432	0.00064
12.30	0.94431	0.00065
12.50	0.95241	0.00066
12.70	0.96118	0.00066
12.90	0.96916	0.00067
13.10	0.97892	0.00066
13.30	0.98834	0.00064
13.50	0.99516	0.00069
13.70	1.00376	0.00066
13.90	1.01212	0.00066
14.10	1.01893	0.00066
14.30	1.02666	0.00065
14.90	1.04765	0.00066
15.00	1.05053	0.00067

1500

11.00	0.91905	0.00066
11.10	0.92395	0.00065
11.20	0.92965	0.00065
11.30	0.93557	0.00065
11.40	0.94185	0.00065
11.50	0.94636	0.00065
11.60	0.95004	0.00064
11.70	0.95681	0.00065
11.80	0.96016	0.00064
11.90	0.96541	0.00066
12.00	0.96987	0.00066
12.10	0.97456	0.00065
12.20	0.97972	0.00068
12.30	0.98376	0.00062
12.40	0.98871	0.00066
12.50	0.99418	0.00066
12.60	0.99990	0.00063
12.70	1.00442	0.00065
12.80	1.00890	0.00067
12.90	1.01290	0.00063
13.00	1.01620	0.00066
13.10	1.02053	0.00065
13.20	1.02367	0.00064

2000

10.40	0.92871	0.00064
10.47	0.93330	0.00061
10.54	0.93763	0.00067
10.61	0.94229	0.00065
10.68	0.94487	0.00063
10.75	0.95002	0.00064
10.82	0.95303	0.00065
10.89	0.95696	0.00064
10.96	0.96183	0.00063
11.03	0.96490	0.00061
11.10	0.96873	0.00064
11.17	0.97336	0.00063
11.24	0.97656	0.00065
11.31	0.98119	0.00065
11.38	0.98482	0.00064
11.45	0.98735	0.00063
11.52	0.99216	0.00064
11.59	0.99616	0.00064
11.66	0.99942	0.00064
11.73	1.00283	0.00062
11.80	1.00571	0.00066

2500

9.57	0.91842	0.00061
9.64	0.92442	0.00063
9.71	0.92738	0.00063
9.78	0.93243	0.00063
9.85	0.93852	0.00063
9.92	0.94255	0.00063
9.99	0.94714	0.00061
10.06	0.95049	0.00064
10.13	0.95525	0.00064
10.20	0.96013	0.00065
10.27	0.96464	0.00064
10.34	0.96929	0.00065
10.41	0.97381	0.00066
10.48	0.97755	0.00063
10.55	0.98216	0.00064
10.62	0.98676	0.00063
10.69	0.99006	0.00064
10.76	0.99352	0.00064
10.83	0.99899	0.00063
10.90	1.00313	0.00063
10.97	1.00750	0.00063

3000			4000			5000		
9.00	0.91881	0.00063	8.00	0.91296	0.00061	7.40	0.92235	0.00060
9.10	0.92716	0.00065	8.10	0.92237	0.00061	7.45	0.92716	0.00061
9.20	0.93440	0.00062	8.20	0.93053	0.00060	7.50	0.93217	0.00060
9.30	0.94205	0.00064	8.30	0.93836	0.00063	7.55	0.93756	0.00059
9.40	0.94883	0.00065	8.60	0.96495	0.00063	7.60	0.94179	0.00063
9.50	0.95547	0.00062	9.00	0.99624	0.00062	7.65	0.94761	0.00062
9.60	0.96243	0.00061	9.10	1.00388	0.00061	7.70	0.95319	0.00060
9.70	0.96956	0.00063	9.20	1.01206	0.00063	7.75	0.95660	0.00061
9.80	0.97660	0.00064	9.30	1.01938	0.00064	7.80	0.96151	0.00060
9.90	0.98354	0.00065	9.40	1.02762	0.00061	7.85	0.96721	0.00061
10.40	1.01595	0.00063	9.50	1.03595	0.00062	7.90	0.97119	0.00062
10.50	1.02241	0.00064	9.60	1.04198	0.00063	7.95	0.97580	0.00061
10.60	1.02791	0.00062	9.70	1.05033	0.00061	8.00	0.98070	0.00063
10.70	1.03467	0.00061	9.80	1.05722	0.00063	8.05	0.98558	0.00062
10.80	1.04108	0.00063				8.10	0.99070	0.00064
10.90	1.04670	0.00062				8.15	0.99521	0.00062
11.00	1.05440	0.00063				8.20	0.99982	0.00061
						8.25	1.00316	0.00061
						8.30	1.00938	0.00062

6000			7000			7500		
6.80	0.91971	0.00058	6.30	0.91546	0.00058	6.15	0.92187	0.00057
6.85	0.92542	0.00058	6.35	0.92154	0.00057	6.20	0.92748	0.00056
6.90	0.92994	0.00062	6.40	0.92806	0.00057	6.25	0.93622	0.00058
6.95	0.93623	0.00061	6.45	0.93471	0.00060	6.30	0.94175	0.00056
7.00	0.94174	0.00060	6.50	0.94051	0.00057	6.35	0.94673	0.00060
7.05	0.94666	0.00062	6.55	0.94553	0.00060	6.40	0.95338	0.00060
7.10	0.95252	0.00060	6.60	0.95144	0.00057	6.45	0.96063	0.00056
7.30	0.97438	0.00060	6.65	0.95765	0.00059	6.50	0.96571	0.00058
7.35	0.98033	0.00060	6.70	0.96381	0.00058	6.55	0.97171	0.00058
7.40	0.98388	0.00061	6.75	0.96967	0.00059	6.75	0.99666	0.00057
7.45	0.99013	0.00058	6.80	0.97581	0.00060	6.80	1.00289	0.00061
7.50	0.99558	0.00058	6.85	0.98190	0.00059	6.85	1.00769	0.00062
7.55	1.00044	0.00061	6.90	0.98679	0.00057	6.90	1.01418	0.00058
7.60	1.00485	0.00061	6.95	0.99214	0.00058	6.95	1.01960	0.00060
7.65	1.01006	0.00062	7.00	0.99820	0.00059	7.00	1.02590	0.00060
7.70	1.01582	0.00061	7.05	1.00508	0.00057	7.05	1.03263	0.00059
7.75	1.01947	0.00062	7.10	1.00953	0.00061	7.10	1.03726	0.00060
7.80	1.02550	0.00060	7.15	1.01584	0.00060	7.15	1.04366	0.00058
7.85	1.03100	0.00060	7.20	1.02232	0.00061	7.20	1.04895	0.00061
7.90	1.03541	0.00061	7.25	1.02689	0.00059			
7.95	1.04032	0.00062	7.30	1.03169	0.00062			
8.00	1.04490	0.00063	7.35	1.03863	0.00062			

8000

6.00	0.92896	0.00057
6.05	0.93465	0.00057
6.10	0.94085	0.00057
6.15	0.94731	0.00058
6.20	0.95383	0.00056
6.25	0.96013	0.00056
6.30	0.96610	0.00059
6.35	0.97446	0.00060
6.40	0.98014	0.00059
6.45	0.98678	0.00058
6.50	0.99221	0.00058
6.55	0.99779	0.00057
6.60	1.00464	0.00058
6.65	1.01126	0.00059
6.70	1.01670	0.00059
6.75	1.02299	0.00059
6.80	1.02909	0.00060
7.00	1.05320	0.00059

9000

5.60	0.92141	0.00055
5.67	0.93179	0.00055
5.74	0.94123	0.00057
5.81	0.95132	0.00057
5.88	0.96032	0.00055
5.95	0.96892	0.00056
6.02	0.97955	0.00056
6.23	1.00727	0.00058
6.58	1.05358	0.00060
6.65	1.06162	0.00060
6.72	1.06983	0.00059
6.79	1.07901	0.00059
6.86	1.08744	0.00060
6.93	1.09593	0.00061
7.00	1.10429	0.00058

10000

5.20	0.90683	0.00053
5.25	0.91486	0.00056
5.30	0.92206	0.00052
5.35	0.93011	0.00054
5.40	0.93712	0.00053
5.45	0.94573	0.00053
5.50	0.95220	0.00058
5.55	0.95996	0.00057
5.60	0.96733	0.00055
5.65	0.97403	0.00057
5.70	0.98079	0.00056
5.75	0.98776	0.00055
5.80	0.99602	0.00056
5.85	1.00348	0.00056
5.90	1.00888	0.00057
5.95	1.01563	0.00056
6.00	1.02316	0.00057
6.15	1.04450	0.00057
6.20	1.05195	0.00055
6.25	1.05905	0.00056

15000

4.10	0.91698	0.00047
4.12	0.92102	0.00049
4.14	0.92405	0.00047
4.16	0.92774	0.00047
4.22	0.94002	0.00048
4.24	0.94486	0.00048
4.26	0.94678	0.00048
4.28	0.95049	0.00050
4.30	0.95410	0.00049
4.32	0.95876	0.00049
4.34	0.96286	0.00049
4.36	0.96595	0.00050
4.38	0.96989	0.00050
4.40	0.97384	0.00048
4.42	0.97713	0.00051
4.44	0.98050	0.00051
4.46	0.98442	0.00052
4.48	0.98837	0.00050
4.56	1.00305	0.00051
4.58	1.00665	0.00049
4.60	1.01118	0.00050

19600

3.30	0.90386	0.00042
3.34	0.91242	0.00045
3.36	0.91773	0.00044
3.38	0.92284	0.00045
3.40	0.92821	0.00043
3.42	0.93279	0.00045
3.44	0.93672	0.00045
3.46	0.94155	0.00045
3.48	0.94596	0.00045
3.50	0.95045	0.00046
3.52	0.95494	0.00044
3.54	0.96007	0.00045
3.56	0.96438	0.00047
3.58	0.96875	0.00045
3.60	0.97404	0.00048
3.62	0.97828	0.00048
3.64	0.98286	0.00046
3.66	0.98758	0.00047
3.68	0.99137	0.00047
3.70	0.99675	0.00048
3.72	1.00115	0.00048
3.74	1.00643	0.00049
3.76	1.01025	0.00047
3.78	1.01502	0.00047
3.80	1.01916	0.00048

sumtable.pu-sp-0850-10

10			13			15		
30.00	0.89481	0.00032	23.00	0.92754	0.00037	20.00	0.92890	0.00044
45.00	0.96269	0.00028	23.25	0.93105	0.00039	20.25	0.93395	0.00043
47.50	0.96927	0.00029	23.50	0.93382	0.00037	20.50	0.93848	0.00042
50.00	0.97514	0.00027	23.75	0.93748	0.00040	20.75	0.94347	0.00041
52.50	0.97856	0.00026	24.00	0.94001	0.00038	21.00	0.94651	0.00042
55.00	0.98404	0.00026	24.25	0.94392	0.00038	21.25	0.95139	0.00044
57.50	0.98827	0.00025	24.50	0.94556	0.00037	21.50	0.95589	0.00043
60.00	0.99123	0.00025	24.75	0.94929	0.00040	21.75	0.95964	0.00042
62.50	0.99448	0.00025	25.00	0.95251	0.00039	22.00	0.96253	0.00042
65.00	0.99828	0.00023	25.25	0.95557	0.00037	22.25	0.96713	0.00042
67.50	0.99982	0.00024	25.50	0.95823	0.00039	22.50	0.97077	0.00041
70.00	1.00147	0.00023	26.75	0.97082	0.00038	22.75	0.97542	0.00040
72.50	1.00390	0.00023	27.00	0.97456	0.00037	23.75	0.98948	0.00042
75.00	1.00666	0.00023	27.25	0.97569	0.00037	24.00	0.99137	0.00041
77.50	1.00723	0.00023	27.50	0.97915	0.00036	24.25	0.99420	0.00042
80.00	1.00895	0.00023	27.75	0.98087	0.00037	24.50	0.99855	0.00041
82.50	1.01145	0.00022	28.50	0.98685	0.00037	24.75	1.00256	0.00041
85.00	1.01216	0.00023	28.75	0.98954	0.00038	25.00	1.00459	0.00040
87.50	1.01345	0.00021	29.00	0.99213	0.00036	25.25	1.00768	0.00041
90.00	1.01393	0.00022	29.25	0.99334	0.00037	25.50	1.01005	0.00040
92.50	1.01486	0.00022	29.50	0.99568	0.00036	25.75	1.01350	0.00042
105.00	1.02011	0.00021	29.75	0.99770	0.00037	26.00	1.01494	0.00038
107.50	1.01990	0.00022	30.00	0.99891	0.00037	26.25	1.01866	0.00039
110.00	1.02132	0.00021	30.25	1.00269	0.00037	26.50	1.02162	0.00039
			30.50	1.00319	0.00036	26.75	1.02356	0.00040
			30.75	1.00561	0.00036	27.00	1.02630	0.00039
			31.00	1.00737	0.00036			

18			20			22		
17.75	0.94060	0.00046	16.40	0.93457	0.00047	15.00	0.91745	0.00051
18.00	0.94627	0.00047	16.60	0.94130	0.00048	15.25	0.92655	0.00052
18.25	0.95221	0.00045	16.80	0.94653	0.00048	15.50	0.93351	0.00051
18.50	0.95723	0.00046	17.00	0.95066	0.00048	15.75	0.94095	0.00050
18.75	0.96236	0.00043	17.80	0.97192	0.00050	16.00	0.94908	0.00050
19.00	0.96728	0.00047	18.00	0.97555	0.00048	16.25	0.95612	0.00049
19.25	0.97335	0.00045	18.20	0.98152	0.00049	16.50	0.96347	0.00051
19.50	0.97838	0.00045	18.40	0.98545	0.00047	16.75	0.96973	0.00049
19.75	0.98396	0.00047	18.60	0.99037	0.00048	17.00	0.97694	0.00048
20.00	0.98821	0.00046	18.80	0.99521	0.00047	17.25	0.98284	0.00050
20.25	0.99242	0.00043	19.00	0.99955	0.00048	17.50	0.99042	0.00051
20.50	0.99795	0.00045	19.20	1.00300	0.00047	17.75	0.99668	0.00049
20.75	1.00227	0.00045	19.40	1.00815	0.00049	18.00	1.00278	0.00049
21.00	1.00742	0.00043	19.60	1.01102	0.00047	18.25	1.00871	0.00048
21.25	1.01044	0.00042	19.80	1.01578	0.00047	18.50	1.01441	0.00047
21.50	1.01485	0.00045	20.00	1.01910	0.00046	18.75	1.02097	0.00050
21.75	1.01948	0.00043				19.00	1.02564	0.00049
						19.25	1.03221	0.00048
						19.50	1.03736	0.00049
						19.75	1.04210	0.00049
						20.00	1.04698	0.00048

24

14.00	0.90336	0.00051
14.20	0.91191	0.00051
14.40	0.91665	0.00052
15.20	0.94412	0.00053
15.40	0.95230	0.00052
15.60	0.95874	0.00052
15.80	0.96588	0.00051
16.00	0.97105	0.00053
16.20	0.97616	0.00051
16.40	0.98287	0.00050
16.60	0.98915	0.00052
16.80	0.99354	0.00051
17.00	0.99914	0.00051
17.20	1.00497	0.00051
17.80	1.02062	0.00050
18.00	1.02508	0.00049
18.20	1.03033	0.00050
18.40	1.03495	0.00052

25

14.00	0.91337	0.00054
14.20	0.92086	0.00051
14.40	0.92717	0.00053
14.60	0.93605	0.00054
14.80	0.94162	0.00055
15.00	0.94913	0.00053
15.20	0.95436	0.00052
15.40	0.96228	0.00052
15.60	0.96900	0.00051
15.80	0.97480	0.00051
16.00	0.98020	0.00049
16.20	0.98657	0.00052
16.40	0.99336	0.00053
16.60	0.99798	0.00053
16.80	1.00400	0.00052
17.00	1.00897	0.00050
17.20	1.01483	0.00052
17.40	1.02038	0.00049
17.60	1.02547	0.00050
17.80	1.03084	0.00051
18.00	1.03523	0.00052
18.10	1.03801	0.00050

26

14.00	0.92164	0.00054
14.20	0.92844	0.00053
14.40	0.93788	0.00052
14.60	0.94382	0.00053
14.80	0.95125	0.00055
15.00	0.95749	0.00054
15.20	0.96415	0.00053
15.40	0.97090	0.00055
15.60	0.97811	0.00051
15.80	0.98322	0.00054
16.00	0.98946	0.00055
17.00	1.01926	0.00052
17.20	1.02482	0.00052
17.40	1.02944	0.00052
17.80	1.03971	0.00053

28

13.40	0.91479	0.00055
13.60	0.92249	0.00054
13.80	0.93080	0.00055
14.00	0.93775	0.00053
14.20	0.94626	0.00053
14.40	0.95356	0.00053
14.60	0.95867	0.00057
14.80	0.96732	0.00053
15.00	0.97449	0.00055
15.20	0.98042	0.00055
15.40	0.98794	0.00055
15.60	0.99384	0.00053
15.80	1.00035	0.00052
16.00	1.00796	0.00053
17.00	1.03694	0.00055
17.20	1.04040	0.00053
17.40	1.04727	0.00052
17.60	1.05186	0.00052
17.80	1.05713	0.00052
18.00	1.06290	0.00053

30

13.00	0.91129	0.00056
13.20	0.92125	0.00055
13.40	0.92823	0.00055
13.60	0.93687	0.00056
13.80	0.94523	0.00055
14.00	0.95258	0.00055
14.20	0.96081	0.00053
14.40	0.96730	0.00055
14.80	0.98090	0.00055
15.00	0.98819	0.00053
15.20	0.99661	0.00056
15.40	1.00247	0.00055
16.00	1.02123	0.00053
16.20	1.02690	0.00055
16.40	1.03401	0.00055
16.60	1.03939	0.00056
16.80	1.04502	0.00054
17.00	1.05057	0.00055

32

13.00	0.92498	0.00056
13.20	0.93283	0.00058
13.40	0.94238	0.00058
13.60	0.95054	0.00054
13.80	0.95781	0.00055
14.00	0.96583	0.00055
15.00	1.00236	0.00055
15.20	1.00856	0.00054
15.40	1.01444	0.00055
15.60	1.02233	0.00056
15.80	1.02850	0.00053
16.00	1.03493	0.00056
16.20	1.04190	0.00055
16.40	1.04622	0.00053
16.60	1.05198	0.00052
16.80	1.05815	0.00055
17.00	1.06525	0.00056

36			40			45		
12.00	0.90102	0.00057	12.00	0.91667	0.00057	12.00	0.93295	0.00058
12.20	0.90853	0.00056	12.20	0.92668	0.00059	12.10	0.93701	0.00061
12.40	0.91811	0.00055	12.40	0.93492	0.00058	12.20	0.94209	0.00061
12.60	0.92765	0.00057	12.60	0.94462	0.00061	12.30	0.94698	0.00059
12.80	0.93692	0.00059	13.20	0.97077	0.00059	12.40	0.95224	0.00061
13.00	0.94590	0.00058	13.40	0.98000	0.00059	12.50	0.95794	0.00060
13.20	0.95427	0.00058	13.60	0.98660	0.00056	12.60	0.96124	0.00061
13.40	0.96218	0.00055	13.80	0.99601	0.00057	12.70	0.96649	0.00061
13.60	0.97057	0.00059	14.00	1.00324	0.00061	12.80	0.96939	0.00061
13.80	0.97775	0.00058	14.20	1.01101	0.00057	12.90	0.97621	0.00059
14.00	0.98651	0.00059	14.40	1.01845	0.00057	13.00	0.97835	0.00061
14.20	0.99340	0.00059	14.60	1.02630	0.00060	13.40	0.99588	0.00061
15.00	1.02238	0.00055	14.80	1.03390	0.00060	13.50	0.99992	0.00059
15.20	1.03049	0.00056	15.00	1.04074	0.00058	13.60	1.00286	0.00057
15.40	1.03677	0.00056				13.70	1.00842	0.00061
15.60	1.04366	0.00057				13.80	1.01209	0.00057
15.80	1.04902	0.00056				13.90	1.01724	0.00059
16.00	1.05628	0.00059				14.00	1.01953	0.00059
						14.10	1.02381	0.00059
						14.20	1.02782	0.00063
						14.30	1.03291	0.00058
						14.40	1.03456	0.00061
						14.50	1.03905	0.00058

50			75			100		
11.00	0.89457	0.00061	11.00	0.92967	0.00061	10.70	0.92692	0.00065
11.20	0.90443	0.00060	11.10	0.93518	0.00060	10.80	0.93211	0.00067
11.40	0.91559	0.00062	11.20	0.94097	0.00063	10.90	0.93747	0.00062
11.60	0.92625	0.00060	11.30	0.94532	0.00061	11.00	0.94310	0.00063
11.80	0.93569	0.00058	11.70	0.96712	0.00062	11.10	0.95058	0.00065
12.00	0.94656	0.00057	11.80	0.97288	0.00063	11.20	0.95393	0.00065
12.20	0.95696	0.00061	11.90	0.97713	0.00065	11.30	0.95942	0.00066
12.40	0.96556	0.00060	12.30	0.99594	0.00061	11.40	0.96356	0.00064
12.60	0.97436	0.00060	12.40	1.00000	0.00063	11.50	0.96982	0.00064
12.80	0.98264	0.00062	12.50	1.00587	0.00062	11.60	0.97530	0.00060
13.00	0.99312	0.00063	12.60	1.00994	0.00064	11.70	0.97935	0.00065
13.20	1.00054	0.00061	12.70	1.01359	0.00061	11.80	0.98330	0.00064
14.20	1.04068	0.00059	12.80	1.01804	0.00064	11.90	0.98786	0.00064
14.40	1.04870	0.00061	12.90	1.02368	0.00061	12.00	0.99455	0.00065
14.60	1.05661	0.00061	13.00	1.02649	0.00063	12.10	0.99854	0.00063
14.80	1.06463	0.00060	13.10	1.03204	0.00064	12.20	1.00343	0.00066
15.00	1.06977	0.00061				12.30	1.00885	0.00066
						12.40	1.01321	0.00064
						12.90	1.03558	0.00065
						13.00	1.03913	0.00066

150			200			350		
10.50	0.92461	0.00066	10.60	0.92870	0.00064	10.60	0.92396	0.00065
10.60	0.93008	0.00065	10.70	0.93326	0.00065	10.70	0.92972	0.00065
10.70	0.93472	0.00066	10.80	0.93921	0.00067	10.80	0.93442	0.00065
10.80	0.93908	0.00066	10.90	0.94509	0.00062	10.90	0.93842	0.00066
10.90	0.94581	0.00067	11.00	0.94945	0.00069	11.00	0.94401	0.00062
11.00	0.95138	0.00064	11.50	0.97408	0.00066	11.10	0.94825	0.00065
11.10	0.95602	0.00065	11.60	0.97892	0.00064	11.50	0.96616	0.00067
11.20	0.96019	0.00066	11.70	0.98422	0.00066	11.60	0.97047	0.00064
11.30	0.96558	0.00064	11.80	0.98760	0.00065	11.70	0.97671	0.00067
11.40	0.97067	0.00067	11.90	0.99196	0.00067	11.80	0.98038	0.00064
11.50	0.97553	0.00067	12.00	0.99766	0.00063	11.90	0.98398	0.00066
11.60	0.98008	0.00065	12.10	1.00158	0.00065	12.00	0.98776	0.00066
11.70	0.98590	0.00065	12.20	1.00596	0.00066	12.10	0.99220	0.00065
12.20	1.00839	0.00064	12.30	1.01062	0.00064	12.20	0.99706	0.00064
12.30	1.01169	0.00064	12.40	1.01311	0.00067	12.30	1.00269	0.00064
12.40	1.01722	0.00066	12.50	1.01847	0.00065	12.40	1.00425	0.00067
12.50	1.02073	0.00064	12.60	1.02264	0.00067	12.50	1.00783	0.00064
12.60	1.02687	0.00066	12.70	1.02807	0.00066	12.60	1.01156	0.00065
12.70	1.02956	0.00067	12.80	1.03020	0.00066			
12.80	1.03442	0.00067	12.90	1.03458	0.00064			
12.90	1.03802	0.00065	13.00	1.03841	0.00066			
13.00	1.04246	0.00064						

500			750			1000		
10.00	0.89122	0.00062	10.00	0.90108	0.00061	10.00	0.91470	0.00063
10.10	0.89779	0.00062	10.10	0.90717	0.00063	10.10	0.91909	0.00063
10.20	0.90392	0.00066	10.20	0.91156	0.00064	10.20	0.92561	0.00061
10.30	0.90858	0.00066	10.30	0.91608	0.00065	10.30	0.93085	0.00062
10.40	0.91305	0.00065	10.40	0.92146	0.00064	10.40	0.93579	0.00063
10.50	0.91856	0.00066	10.50	0.92651	0.00065	10.50	0.94090	0.00061
10.60	0.92308	0.00064	10.60	0.93112	0.00063	10.60	0.94578	0.00065
10.70	0.92699	0.00064	10.70	0.93414	0.00062	11.00	0.96414	0.00063
10.80	0.93359	0.00065	10.80	0.94186	0.00064	11.10	0.96979	0.00063
10.90	0.93707	0.00066	10.90	0.94583	0.00064	11.20	0.97269	0.00063
11.00	0.94229	0.00063	11.00	0.95094	0.00065	11.30	0.97706	0.00063
11.10	0.94634	0.00064	11.10	0.95391	0.00063	11.40	0.98152	0.00062
11.20	0.95050	0.00065	11.20	0.95844	0.00064	11.50	0.98540	0.00061
11.30	0.95609	0.00065	11.30	0.96242	0.00066	11.60	0.98944	0.00062
11.40	0.96111	0.00066	11.40	0.96763	0.00062	11.70	0.99418	0.00063
11.50	0.96465	0.00063	11.50	0.97014	0.00061	11.80	0.99747	0.00063
11.60	0.96790	0.00062	11.60	0.97530	0.00063	11.90	1.00216	0.00061
11.70	0.97296	0.00063	11.70	0.97976	0.00061	12.00	1.00614	0.00064
11.80	0.97643	0.00065	11.80	0.98475	0.00064	12.10	1.01046	0.00063
11.90	0.98057	0.00065	11.90	0.98845	0.00065	12.20	1.01482	0.00064
12.00	0.98668	0.00066	12.00	0.99162	0.00064	12.30	1.01803	0.00061
12.10	0.98958	0.00065	12.10	0.99671	0.00065	12.40	1.02175	0.00062
12.20	0.99366	0.00062	12.20	0.99993	0.00064			
12.30	0.99772	0.00065	12.30	1.00368	0.00064			
12.40	1.00101	0.00062	12.40	1.00732	0.00064			
12.50	1.00547	0.00061	12.50	1.01160	0.00062			
12.60	1.00941	0.00062	12.60	1.01622	0.00063			
12.70	1.01327	0.00065	12.70	1.01869	0.00064			
12.80	1.01623	0.00064	12.80	1.02274	0.00065			
12.90	1.02138	0.00061	12.90	1.02553	0.00064			
13.00	1.02466	0.00063	13.00	1.02977	0.00063			
13.10	1.02628	0.00064	13.10	1.03416	0.00066			

1500			2000			2500		
9.50	0.92404	0.00061	8.70	0.91365	0.00062	8.00	0.90306	0.00060
9.57	0.92823	0.00061	8.80	0.92214	0.00062	8.10	0.90889	0.00060
9.64	0.93158	0.00061	8.90	0.92710	0.00061	8.20	0.91737	0.00064
9.71	0.93490	0.00063	9.00	0.93374	0.00061	8.70	0.95243	0.00062
9.78	0.93923	0.00061	9.10	0.93867	0.00061	8.80	0.95904	0.00060
9.85	0.94360	0.00062	9.20	0.94484	0.00061	8.90	0.96566	0.00063
9.92	0.94718	0.00062	9.30	0.95153	0.00061	9.00	0.97131	0.00062
9.99	0.95069	0.00059	9.40	0.95722	0.00061	9.10	0.97828	0.00063
10.06	0.95394	0.00063	9.50	0.96341	0.00062	9.50	1.00273	0.00060
10.13	0.95741	0.00064	9.60	0.96927	0.00062	9.60	1.00831	0.00062
10.20	0.96187	0.00063	9.70	0.97456	0.00062	9.70	1.01499	0.00062
10.27	0.96426	0.00064	10.10	0.99710	0.00062	9.80	1.02118	0.00062
10.34	0.96780	0.00062	10.20	1.00252	0.00062	9.90	1.02761	0.00061
10.41	0.97250	0.00062	10.30	1.00746	0.00061	10.00	1.03241	0.00058
10.48	0.97500	0.00062	10.40	1.01147	0.00064	10.10	1.03669	0.00063
10.55	0.97954	0.00058	10.50	1.01818	0.00061	10.20	1.04255	0.00062
10.62	0.98135	0.00062	10.60	1.02312	0.00061	10.30	1.04862	0.00062
10.69	0.98570	0.00059	10.70	1.02814	0.00063	10.40	1.05354	0.00060
10.76	0.98886	0.00062	10.80	1.03279	0.00062			
10.83	0.99163	0.00062	10.90	1.03753	0.00058			
10.90	0.99722	0.00060	11.00	1.04228	0.00062			
10.97	1.00045	0.00062						
11.04	1.00317	0.00061						
11.10	1.00495	0.00063						

3000			4000			5000		
7.85	0.92756	0.00062	6.90	0.91334	0.00057	6.40	0.92211	0.00060
7.90	0.93105	0.00057	6.95	0.91651	0.00060	6.47	0.92910	0.00063
7.95	0.93557	0.00062	7.00	0.92128	0.00059	6.54	0.93510	0.00061
8.00	0.93988	0.00059	7.05	0.92517	0.00059	6.61	0.94233	0.00058
8.05	0.94347	0.00059	7.10	0.93023	0.00058	6.68	0.95014	0.00060
8.10	0.94680	0.00060	7.15	0.93531	0.00061	6.75	0.95656	0.00060
8.15	0.94915	0.00060	7.20	0.93952	0.00059	6.82	0.96358	0.00062
8.20	0.95429	0.00061	7.25	0.94524	0.00060	6.89	0.97048	0.00061
8.25	0.95762	0.00062	7.30	0.94944	0.00059	6.96	0.97813	0.00062
8.30	0.96134	0.00060	7.45	0.96192	0.00060	7.03	0.98491	0.00061
8.35	0.96463	0.00060	7.70	0.98412	0.00063	7.38	1.01749	0.00059
8.40	0.96870	0.00062	7.75	0.98719	0.00064	7.45	1.02388	0.00058
8.45	0.97224	0.00060	7.80	0.99171	0.00062	7.52	1.03151	0.00061
8.50	0.97638	0.00062	7.85	0.99717	0.00060	7.59	1.03652	0.00059
8.55	0.97978	0.00061	7.90	1.00031	0.00061	7.66	1.04255	0.00062
8.60	0.98283	0.00060	7.95	1.00419	0.00060	7.73	1.04903	0.00064
8.65	0.98587	0.00060	8.00	1.00797	0.00060	7.80	1.05611	0.00060
8.70	0.98935	0.00061	8.05	1.01205	0.00064	7.87	1.06162	0.00062
8.75	0.99343	0.00062	8.10	1.01557	0.00061	7.94	1.06815	0.00064
8.80	0.99717	0.00060	8.15	1.02026	0.00062	8.00	1.07218	0.00061
8.85	1.00100	0.00059	8.20	1.02394	0.00064			
8.90	1.00377	0.00062	8.25	1.02803	0.00062			
8.95	1.00602	0.00060	8.30	1.03188	0.00063			
9.00	1.01013	0.00061						

6000			7000			7500		
5.90	0.91750	0.00059	5.50	0.91577	0.00057	5.20	0.89941	0.00057
5.97	0.92567	0.00057	5.78	0.95205	0.00061	5.22	0.90050	0.00057
6.04	0.93337	0.00057	5.85	0.96091	0.00059	5.24	0.90360	0.00060
6.11	0.94255	0.00057	5.92	0.96932	0.00060	5.26	0.90704	0.00058
6.46	0.98140	0.00062	5.99	0.97830	0.00062	5.28	0.91021	0.00057
6.53	0.98970	0.00061	6.06	0.98607	0.00058	5.30	0.91232	0.00061
6.60	0.99647	0.00062	6.13	0.99450	0.00060	5.38	0.92348	0.00059
6.67	1.00456	0.00063	6.20	1.00252	0.00057	5.40	0.92600	0.00057
6.74	1.01145	0.00060	6.27	1.01203	0.00061	5.42	0.92783	0.00060
6.81	1.01992	0.00060	6.34	1.02074	0.00059	5.44	0.93045	0.00059
6.88	1.02616	0.00060	6.41	1.02790	0.00059	5.46	0.93425	0.00057
6.95	1.03347	0.00061	6.48	1.03680	0.00060	5.48	0.93658	0.00057
7.02	1.04092	0.00059	6.55	1.04363	0.00059	5.50	0.93931	0.00059
7.09	1.04818	0.00060	6.62	1.05166	0.00061	5.52	0.94287	0.00059
7.16	1.05505	0.00060	6.69	1.05910	0.00061	5.54	0.94342	0.00061
7.30	1.06921	0.00061	6.76	1.06660	0.00064	5.56	0.94730	0.00060
7.37	1.07588	0.00059	7.00	1.09332	0.00060	5.58	0.94997	0.00057
7.40	1.07831	0.00061				5.60	0.95298	0.00058
						5.72	0.96812	0.00060
						5.74	0.97106	0.00059
						5.86	0.98591	0.00059
						5.88	0.98826	0.00061
						5.90	0.99091	0.00060
						6.00	1.00317	0.00061
						6.02	1.00560	0.00059
						6.06	1.01102	0.00058
						6.08	1.01282	0.00060
						6.10	1.01678	0.00059

8000			9000			10000		
5.20	0.92127	0.00056	4.90	0.91824	0.00057	4.60	0.91188	0.00056
5.22	0.92244	0.00057	4.92	0.92261	0.00057	4.62	0.91438	0.00057
5.24	0.92621	0.00059	4.94	0.92521	0.00058	4.64	0.91777	0.00056
5.26	0.92995	0.00057	4.96	0.92801	0.00059	4.66	0.92135	0.00057
5.28	0.93114	0.00057	4.98	0.93078	0.00058	4.68	0.92422	0.00057
5.30	0.93406	0.00057	5.00	0.93408	0.00055	4.70	0.92709	0.00057
5.32	0.93827	0.00056	5.02	0.93714	0.00057	4.72	0.93122	0.00057
5.34	0.93904	0.00055	5.04	0.94028	0.00060	4.74	0.93338	0.00057
5.36	0.94297	0.00058	5.06	0.94154	0.00057	4.76	0.93701	0.00056
5.38	0.94697	0.00057	5.18	0.95976	0.00059	4.78	0.94103	0.00056
5.40	0.94878	0.00058	5.20	0.96357	0.00057	4.80	0.94258	0.00058
5.42	0.95040	0.00060	5.22	0.96539	0.00060	4.82	0.94622	0.00057
5.44	0.95419	0.00061	5.24	0.96912	0.00054	4.90	0.95896	0.00057
5.46	0.95620	0.00058	5.26	0.97163	0.00057	4.92	0.96257	0.00059
5.48	0.95944	0.00059	5.28	0.97489	0.00059	4.94	0.96633	0.00056
5.50	0.96206	0.00058	5.30	0.97795	0.00058	4.96	0.96730	0.00057
5.52	0.96475	0.00060	5.32	0.97997	0.00058	4.98	0.97116	0.00058
5.54	0.96665	0.00056	5.34	0.98261	0.00060	5.00	0.97378	0.00057
5.56	0.96898	0.00059	5.36	0.98711	0.00059	5.10	0.98886	0.00058
5.68	0.98632	0.00060	5.44	0.99731	0.00058	5.12	0.99377	0.00058
5.72	0.99055	0.00058	5.46	1.00182	0.00057	5.14	0.99626	0.00056
5.74	0.99418	0.00058	5.48	1.00320	0.00059	5.16	0.99883	0.00057
5.76	0.99670	0.00059	5.50	1.00626	0.00060	5.18	1.00254	0.00057
5.78	0.99800	0.00059				5.20	1.00458	0.00057
5.80	1.00181	0.00061				5.22	1.00805	0.00057
5.82	1.00322	0.00059				5.24	1.01029	0.00059
5.84	1.00663	0.00062				5.26	1.01426	0.00057
5.86	1.00832	0.00059				5.28	1.01673	0.00058
5.88	1.01239	0.00059						

15000			19600		
3.76	0.93564	0.00054	3.00	0.90481	0.00051
3.78	0.93991	0.00054	3.02	0.90939	0.00049
3.80	0.94523	0.00054	3.04	0.91543	0.00050
3.82	0.94854	0.00055	3.06	0.91899	0.00049
3.84	0.95265	0.00054	3.08	0.92504	0.00050
3.86	0.95710	0.00054	3.10	0.93093	0.00051
3.88	0.96017	0.00055	3.12	0.93580	0.00051
3.90	0.96555	0.00054	3.14	0.94054	0.00052
3.92	0.96953	0.00053	3.16	0.94578	0.00052
3.94	0.97362	0.00052	3.26	0.97046	0.00052
3.96	0.97759	0.00055	3.28	0.97443	0.00052
4.08	1.00173	0.00055	3.30	0.98064	0.00053
4.10	1.00393	0.00053	3.32	0.98530	0.00051
			3.34	0.99002	0.00053
			3.36	0.99438	0.00053
			3.38	0.99960	0.00054
			3.40	1.00325	0.00052
			3.42	1.00935	0.00053
			3.44	1.01414	0.00054
			3.46	1.01788	0.00052
			3.48	1.02445	0.00054
			3.50	1.02817	0.00053

sumtable.pu-sp-0900-00

10			13			15		
30.00	0.91186	0.00034	23.00	0.92271	0.00044	21.00	0.93306	0.00047
30.75	0.91766	0.00035	23.25	0.92881	0.00044	21.20	0.93808	0.00047
31.50	0.92403	0.00033	23.75	0.93730	0.00043	21.40	0.94139	0.00048
32.25	0.92980	0.00034	25.00	0.95620	0.00042	21.60	0.94649	0.00047
33.00	0.93582	0.00035	25.25	0.96014	0.00042	21.80	0.95019	0.00046
33.75	0.94104	0.00034	25.50	0.96341	0.00044	22.00	0.95415	0.00048
34.50	0.94647	0.00033	25.75	0.96722	0.00043	22.20	0.95854	0.00046
35.25	0.95099	0.00034	26.00	0.96966	0.00043	22.40	0.96316	0.00046
36.00	0.95486	0.00034	26.25	0.97330	0.00042	22.60	0.96600	0.00047
36.75	0.96045	0.00033	26.50	0.97722	0.00043	22.80	0.96983	0.00047
37.50	0.96404	0.00033	27.75	0.99184	0.00042	23.00	0.97428	0.00046
38.25	0.96684	0.00031	28.00	0.99555	0.00041	23.20	0.97795	0.00047
39.00	0.97094	0.00031	28.25	0.99829	0.00041	23.40	0.98175	0.00046
39.75	0.97400	0.00032	28.50	1.00136	0.00040	23.60	0.98449	0.00044
40.50	0.97763	0.00032	28.75	1.00364	0.00042	23.80	0.98878	0.00044
41.25	0.98120	0.00030				24.00	0.99072	0.00045
42.00	0.98354	0.00031				24.20	0.99492	0.00047
42.75	0.98766	0.00029				24.40	0.99740	0.00044
43.50	0.99005	0.00030				24.60	1.00124	0.00045
44.25	0.99176	0.00030				24.80	1.00525	0.00047
45.00	0.99494	0.00030				25.00	1.00684	0.00046
45.75	0.99755	0.00029				25.10	1.00894	0.00044
46.50	0.99991	0.00028						
47.25	1.00187	0.00028						
48.00	1.00397	0.00029						
48.75	1.00563	0.00029						
49.50	1.00783	0.00028						
50.00	1.00926	0.00028						

18		
18.00	0.91045	0.00053
18.10	0.91252	0.00051
18.20	0.91690	0.00050
18.30	0.91887	0.00051
18.40	0.92177	0.00050
18.50	0.92557	0.00050
18.60	0.92902	0.00054
19.30	0.94820	0.00048
19.40	0.95213	0.00052
19.50	0.95406	0.00051
19.90	0.96343	0.00051
20.00	0.96650	0.00051
20.10	0.97059	0.00051
20.20	0.97244	0.00050
20.30	0.97442	0.00049
20.40	0.97674	0.00050
20.50	0.98034	0.00052
21.10	0.99379	0.00051
21.20	0.99520	0.00052
21.30	0.99810	0.00050
21.40	1.00010	0.00051

20		
17.00	0.90485	0.00056
17.20	0.91166	0.00055
17.40	0.92021	0.00056
17.60	0.92680	0.00055
18.40	0.95159	0.00055
18.60	0.95758	0.00054
18.80	0.96359	0.00052
19.00	0.96986	0.00054
19.20	0.97618	0.00054
19.40	0.98183	0.00054
20.40	1.00803	0.00052
20.60	1.01360	0.00052
20.80	1.01647	0.00054
21.00	1.02327	0.00054

22		
16.00	0.89284	0.00057
16.20	0.89959	0.00056
16.40	0.90648	0.00058
16.60	0.91520	0.00054
16.80	0.92286	0.00057
17.00	0.93007	0.00057
17.20	0.93742	0.00056
17.40	0.94496	0.00057
17.60	0.95144	0.00054
17.80	0.95725	0.00057
18.00	0.96439	0.00056
18.20	0.97078	0.00057
18.40	0.97833	0.00054
18.60	0.98291	0.00056
18.80	0.99042	0.00054
19.00	0.99645	0.00056
19.20	1.00104	0.00057
19.40	1.00726	0.00056
19.60	1.01375	0.00056
19.80	1.01833	0.00055
20.00	1.02383	0.00055
20.20	1.02953	0.00056

24		
16.00	0.91202	0.00060
16.20	0.92150	0.00058
16.40	0.92912	0.00058
16.60	0.93733	0.00058
16.80	0.94431	0.00059
17.00	0.95180	0.00057
18.60	1.00562	0.00058
19.00	1.01807	0.00056
19.20	1.02419	0.00055
19.40	1.03006	0.00054
19.60	1.03537	0.00056
19.80	1.04132	0.00056

25		
16.00	0.92251	0.00058
16.20	0.92997	0.00058
16.40	0.93777	0.00057
16.60	0.94661	0.00060
16.80	0.95384	0.00057
17.00	0.96073	0.00061
17.20	0.96830	0.00060
17.40	0.97477	0.00058
17.60	0.98291	0.00056
17.80	0.98855	0.00059
18.00	0.99608	0.00057
18.20	1.00245	0.00058
18.40	1.00859	0.00057
18.60	1.01546	0.00058
18.80	1.02167	0.00058
19.00	1.02751	0.00058
19.20	1.03371	0.00057
19.40	1.04051	0.00057
19.60	1.04464	0.00056
19.80	1.05072	0.00057
20.00	1.05608	0.00057

26		
15.80	0.92288	0.00058
16.00	0.92945	0.00058
16.20	0.93955	0.00059
16.40	0.94635	0.00062
16.60	0.95512	0.00060
16.80	0.96312	0.00056
17.00	0.97004	0.00061
17.20	0.97859	0.00059
18.20	1.01326	0.00058
18.40	1.01792	0.00058
18.60	1.02461	0.00060
18.80	1.03078	0.00059
19.00	1.03636	0.00058

28

15.60	0.92969	0.00061
15.80	0.93739	0.00061
16.00	0.94587	0.00061
17.00	0.98562	0.00061
17.20	0.99318	0.00060
17.40	1.00132	0.00059
17.60	1.00828	0.00059
18.00	1.02137	0.00060

30

15.00	0.91583	0.00064
15.20	0.92595	0.00061
15.40	0.93507	0.00061
15.60	0.94273	0.00060
15.80	0.95205	0.00061
16.00	0.95960	0.00060
16.20	0.96923	0.00063
16.40	0.97636	0.00062
16.60	0.98554	0.00059
16.80	0.99317	0.00058
17.80	1.02917	0.00058
18.00	1.03468	0.00062
18.20	1.04138	0.00062
18.40	1.04863	0.00058
18.60	1.05511	0.00060
18.80	1.06205	0.00060
19.00	1.06778	0.00062

32

14.90	0.92348	0.00064
15.10	0.93131	0.00063
15.30	0.94189	0.00064
15.50	0.95115	0.00064
15.70	0.95989	0.00064
15.90	0.96688	0.00063
16.10	0.97736	0.00062
16.30	0.98519	0.00062
16.50	0.99298	0.00062
16.70	1.00026	0.00063
16.90	1.00923	0.00063
17.10	1.01670	0.00061
17.30	1.02479	0.00063
17.50	1.02930	0.00062
17.70	1.03699	0.00060
17.90	1.04488	0.00062
18.10	1.05158	0.00061
18.30	1.05832	0.00061
18.50	1.06554	0.00061
18.70	1.07215	0.00060
18.90	1.07763	0.00059
19.00	1.08117	0.00061

36

14.00	0.89683	0.00063
14.80	0.93726	0.00064
15.00	0.94830	0.00064
15.20	0.95621	0.00065
15.60	0.97537	0.00064
15.80	0.98358	0.00066
16.00	0.99246	0.00062
16.20	1.00128	0.00064
17.20	1.04232	0.00065
17.40	1.04739	0.00063

40

14.00	0.91346	0.00068
14.10	0.91676	0.00066
14.20	0.92410	0.00065
14.30	0.92759	0.00066
14.40	0.93281	0.00066
14.50	0.93849	0.00068
14.60	0.94434	0.00065
14.70	0.94885	0.00064
14.80	0.95483	0.00065
14.90	0.95880	0.00067
15.00	0.96272	0.00065
15.10	0.96880	0.00064
15.20	0.97344	0.00066
15.30	0.97819	0.00063
15.40	0.98241	0.00065
15.50	0.98650	0.00066
15.60	0.99062	0.00066
15.70	0.99506	0.00068
15.80	1.00023	0.00066
15.90	1.00486	0.00066
16.00	1.00842	0.00067
16.10	1.01299	0.00064
16.20	1.01616	0.00065
16.30	1.02078	0.00065
16.40	1.02576	0.00067
16.50	1.02909	0.00065
16.60	1.03428	0.00064
16.70	1.03706	0.00066
16.80	1.04165	0.00064
16.90	1.04616	0.00066
17.00	1.04793	0.00066

45

14.10	0.93364	0.00065
14.30	0.94304	0.00066
14.50	0.95295	0.00063
14.70	0.96482	0.00069
14.90	0.97348	0.00065
15.10	0.98285	0.00065
15.30	0.99404	0.00065
15.50	1.00249	0.00065
15.70	1.01172	0.00065
15.90	1.01967	0.00066
16.10	1.02917	0.00069

50			75			100		
13.60	0.91719	0.00069	13.40	0.93716	0.00069	13.30	0.94228	0.00072
13.70	0.92386	0.00068	13.60	0.94874	0.00069	13.50	0.95388	0.00071
13.80	0.92784	0.00068	13.80	0.95952	0.00072	13.70	0.96406	0.00073
13.90	0.93302	0.00068	14.00	0.96961	0.00071	13.90	0.97436	0.00071
14.00	0.94020	0.00066	14.20	0.98149	0.00069	14.10	0.98587	0.00071
14.10	0.94582	0.00065	14.40	0.99161	0.00069	15.10	1.03556	0.00073
14.20	0.95050	0.00067	14.60	1.00283	0.00071	15.30	1.04535	0.00074
14.30	0.95526	0.00067	15.80	1.05816	0.00070	16.00	1.07805	0.00073
14.40	0.96019	0.00068	16.00	1.06804	0.00074			
14.50	0.96630	0.00067						
14.60	0.97141	0.00065						
14.70	0.97724	0.00068						
14.80	0.98020	0.00067						
14.90	0.98676	0.00066						
15.00	0.99156	0.00067						
15.10	0.99367	0.00066						
15.20	0.99944	0.00068						
15.30	1.00502	0.00071						
15.40	1.00908	0.00067						
15.50	1.01588	0.00070						
15.60	1.02000	0.00064						

150			200			350		
12.80	0.91540	0.00074	12.90	0.91956	0.00070	13.00	0.91729	0.00070
13.00	0.92667	0.00069	13.10	0.92986	0.00076	13.20	0.92855	0.00072
13.20	0.93930	0.00071	13.30	0.94065	0.00073	13.40	0.93830	0.00070
13.40	0.94907	0.00071	13.50	0.95095	0.00072	13.60	0.94833	0.00071
13.60	0.96092	0.00072	13.70	0.96286	0.00071	13.80	0.96071	0.00071
13.80	0.97161	0.00073	13.90	0.97281	0.00072	14.00	0.96887	0.00073
14.00	0.98163	0.00073	14.10	0.98359	0.00074	14.20	0.97936	0.00071
15.60	1.05939	0.00073	14.30	0.99485	0.00072	14.40	0.98930	0.00071
15.80	1.06696	0.00073	14.50	1.00439	0.00074	14.60	0.99873	0.00073
16.00	1.07641	0.00071	15.50	1.04951	0.00073	14.80	1.00589	0.00072
			15.70	1.05878	0.00071			
			15.90	1.06669	0.00072			
			16.00	1.06906	0.00070			

500			750			1000		
13.10	0.92313	0.00067	12.80	0.91770	0.00069	12.10	0.89724	0.00068
13.30	0.93407	0.00070	13.00	0.92954	0.00069	12.20	0.90134	0.00066
13.50	0.94431	0.00069	13.20	0.93957	0.00069	12.30	0.90777	0.00068
14.10	0.97445	0.00073	13.40	0.94984	0.00067	12.40	0.91413	0.00067
14.30	0.98104	0.00071	13.60	0.95976	0.00071	12.50	0.91991	0.00069
15.10	1.01889	0.00073	14.60	1.00670	0.00068	13.00	0.94801	0.00067
15.30	1.02776	0.00073	14.80	1.01417	0.00067	13.10	0.95278	0.00069
15.50	1.03604	0.00074	15.00	1.02331	0.00071	13.20	0.95769	0.00068
15.70	1.04232	0.00070	15.20	1.03365	0.00069	14.10	1.00136	0.00069
15.90	1.05070	0.00072	15.40	1.04102	0.00071	14.20	1.00720	0.00067
16.20	1.06283	0.00072				14.30	1.00995	0.00067
						14.40	1.01449	0.00067
						14.90	1.03652	0.00068
						15.00	1.04046	0.00068
						15.10	1.04518	0.00067
						15.20	1.04855	0.00067
						15.30	1.05286	0.00066

1500			2000			2500		
11.70	0.91693	0.00069	11.00	0.91744	0.00062	10.50	0.92687	0.00063
12.20	0.94667	0.00067	11.10	0.92377	0.00063	10.57	0.93241	0.00064
12.30	0.95142	0.00067	11.30	0.93675	0.00065	10.64	0.93797	0.00063
12.40	0.95752	0.00066	11.50	0.95108	0.00064	10.71	0.94160	0.00064
12.50	0.96249	0.00068	12.00	0.97969	0.00066	10.78	0.94755	0.00065
12.60	0.96864	0.00064	12.10	0.98724	0.00063	10.85	0.95200	0.00063
12.70	0.97321	0.00068	12.20	0.99273	0.00064	10.92	0.95754	0.00062
13.30	1.00620	0.00067	12.30	0.99879	0.00067	11.34	0.98487	0.00064
13.90	1.03523	0.00068	12.40	1.00375	0.00063	11.41	0.98977	0.00063
14.00	1.04017	0.00067	12.50	1.00897	0.00064	11.55	1.00027	0.00066
14.10	1.04480	0.00068	12.60	1.01517	0.00064	11.62	1.00287	0.00065
14.20	1.04959	0.00067	12.70	1.02220	0.00065	11.69	1.00726	0.00063
14.30	1.05496	0.00068	12.80	1.02669	0.00068	11.76	1.01372	0.00063
			12.90	1.03174	0.00065	11.83	1.01674	0.00064
			13.00	1.03687	0.00066	11.90	1.02085	0.00064
			13.10	1.04318	0.00067	11.97	1.02477	0.00064
						12.00	1.02625	0.00064

3000			4000			5000		
10.00	0.93171	0.00061	8.90	0.91787	0.00060	8.10	0.91048	0.00060
10.10	0.94115	0.00063	8.95	0.92246	0.00060	8.15	0.91564	0.00060
10.20	0.94764	0.00063	9.00	0.92773	0.00058	8.20	0.92067	0.00059
10.30	0.95486	0.00065	9.05	0.93147	0.00061	8.25	0.92519	0.00058
10.40	0.96371	0.00065	9.10	0.93646	0.00061	8.50	0.95049	0.00060
10.50	0.97011	0.00062	9.15	0.94029	0.00060	8.55	0.95722	0.00058
10.60	0.97897	0.00062	9.20	0.94544	0.00059	8.65	0.96654	0.00060
10.70	0.98585	0.00062	9.25	0.94941	0.00062	8.70	0.97153	0.00060
10.80	0.99244	0.00061	9.30	0.95390	0.00064	8.75	0.97577	0.00058
10.90	0.99841	0.00064	9.35	0.95784	0.00060	8.80	0.98060	0.00060
11.00	1.00528	0.00062	9.40	0.96265	0.00060	8.85	0.98386	0.00058
11.10	1.01302	0.00065	9.45	0.96700	0.00062	8.90	0.99001	0.00059
11.20	1.02058	0.00065	9.50	0.97153	0.00061	8.95	0.99477	0.00060
11.30	1.02693	0.00063	9.55	0.97582	0.00061	9.00	0.99901	0.00062
11.40	1.03438	0.00063	9.60	0.97945	0.00063	9.05	1.00413	0.00059
11.50	1.04046	0.00063	9.65	0.98432	0.00061	9.10	1.00804	0.00060
11.60	1.04706	0.00065	9.70	0.98804	0.00060	9.15	1.01348	0.00062
11.70	1.05333	0.00065	9.75	0.99133	0.00061	9.20	1.01728	0.00059
11.80	1.06036	0.00064	9.80	0.99759	0.00060	9.25	1.02342	0.00061
11.90	1.06530	0.00062	9.85	1.00032	0.00062	9.30	1.02863	0.00061
12.00	1.07248	0.00065	9.90	1.00483	0.00061	9.50	1.04521	0.00061
			9.95	1.01047	0.00063	9.55	1.05020	0.00064
			10.00	1.01323	0.00065	9.60	1.05455	0.00061
			10.05	1.01648	0.00061			
			10.10	1.02082	0.00064			
			10.15	1.02556	0.00060			
			10.20	1.02901	0.00063			
			10.25	1.03222	0.00059			
			10.30	1.03631	0.00061			

6000			7000			7500		
7.57	0.91553	0.00058	7.21	0.93268	0.00055	6.95	0.92982	0.00055
7.64	0.92407	0.00056	7.49	0.96601	0.00055	7.00	0.93622	0.00052
8.06	0.97055	0.00056	7.56	0.97488	0.00057	7.05	0.94288	0.00055
8.13	0.97816	0.00057	7.98	1.02468	0.00057	7.15	0.95359	0.00055
8.48	1.01665	0.00058	8.05	1.03084	0.00058	7.20	0.96141	0.00055
8.55	1.02249	0.00060	8.19	1.04757	0.00056	7.25	0.96722	0.00056
8.62	1.02885	0.00061	8.26	1.05334	0.00058	7.35	0.97853	0.00054
8.69	1.03678	0.00059	8.33	1.06194	0.00058	7.65	1.01626	0.00058
8.76	1.04304	0.00059				7.70	1.02192	0.00056
8.83	1.05171	0.00060						
8.90	1.05571	0.00058						

8000			9000			10000		
6.68	0.92116	0.00054	6.28	0.92074	0.00048	5.98	0.92707	0.00048
6.70	0.92467	0.00052	6.30	0.92326	0.00050	6.00	0.92962	0.00048
6.72	0.92677	0.00051	6.38	0.93347	0.00050	6.02	0.93289	0.00050
6.74	0.93056	0.00052	6.40	0.93589	0.00050	6.04	0.93563	0.00048
6.76	0.93202	0.00051	6.44	0.94362	0.00051	6.06	0.93856	0.00050
6.78	0.93582	0.00052	6.54	0.95536	0.00051	6.08	0.94037	0.00048
6.80	0.93768	0.00052	6.56	0.95735	0.00053	6.10	0.94420	0.00050
6.82	0.93941	0.00053	6.58	0.96007	0.00052	6.12	0.94694	0.00050
6.84	0.94258	0.00053	6.62	0.96684	0.00052	6.14	0.94991	0.00046
6.94	0.95528	0.00053	6.64	0.96892	0.00051	6.16	0.95352	0.00049
6.96	0.95878	0.00052	6.66	0.97181	0.00051	6.24	0.96422	0.00049
7.00	0.96374	0.00055	6.80	0.99008	0.00052	6.26	0.96679	0.00049
7.02	0.96606	0.00054	6.82	0.99291	0.00055	6.28	0.97137	0.00052
7.04	0.96836	0.00056	6.84	0.99579	0.00052	6.30	0.97234	0.00048
7.06	0.97089	0.00054	6.86	0.99789	0.00053	6.32	0.97632	0.00049
7.26	0.99571	0.00054	6.88	1.00174	0.00051	6.34	0.97795	0.00048
7.32	1.00465	0.00055	6.90	1.00478	0.00051	6.36	0.98100	0.00053
7.34	1.00568	0.00055	6.92	1.00660	0.00053	6.38	0.98361	0.00050
			6.94	1.00732	0.00054	6.40	0.98604	0.00051
			6.96	1.01122	0.00052	6.42	0.98949	0.00052
						6.44	0.99225	0.00051
						6.46	0.99565	0.00051
						6.48	0.99921	0.00053
						6.50	1.00004	0.00052
						6.56	1.00940	0.00051
						6.58	1.01111	0.00051
						6.60	1.01488	0.00053
						6.62	1.01824	0.00053
						6.64	1.02000	0.00050
						6.70	1.02794	0.00051

15000			19600		
4.60	0.92398	0.00039	3.60	0.90277	0.00037
4.65	0.93372	0.00042	3.62	0.90609	0.00037
4.70	0.94192	0.00041	3.64	0.91046	0.00038
4.75	0.95109	0.00041	3.66	0.91585	0.00036
4.80	0.96058	0.00042	3.68	0.92025	0.00038
4.85	0.96958	0.00042	3.70	0.92458	0.00039
4.90	0.97791	0.00043	3.72	0.92913	0.00038

4.95	0.98740	0.00043	3.74	0.93389	0.00040
5.00	0.99566	0.00045	3.76	0.93682	0.00039
5.20	1.02971	0.00046	3.78	0.94234	0.00039
5.25	1.03921	0.00047	3.80	0.94528	0.00037
5.30	1.04762	0.00046	3.82	0.95121	0.00040
5.35	1.05616	0.00046	3.84	0.95512	0.00038
5.40	1.06410	0.00047	3.86	0.95936	0.00040
5.45	1.07315	0.00047	3.88	0.96348	0.00041
5.50	1.08184	0.00046	3.90	0.96638	0.00041
			3.92	0.97145	0.00040
			3.94	0.97562	0.00039
			3.96	0.98000	0.00041
			3.98	0.98451	0.00041
			4.00	0.98968	0.00039
			4.02	0.99271	0.00040
			4.04	0.99768	0.00041
			4.06	1.00164	0.00041
			4.08	1.00592	0.00042
			4.10	1.00971	0.00042

sumtable.pu-sp-0900-01

10			13			15		
31.00	0.93240	0.00033	22.00	0.93130	0.00042	19.50	0.93454	0.00044
32.00	0.93947	0.00033	22.25	0.93644	0.00042	19.75	0.93890	0.00046
33.00	0.94547	0.00033	22.50	0.94097	0.00043	20.00	0.94472	0.00046
34.00	0.95244	0.00032	22.75	0.94578	0.00042	20.25	0.95009	0.00046
35.00	0.95783	0.00032	23.00	0.94731	0.00041	20.50	0.95541	0.00047
36.00	0.96321	0.00031	23.25	0.95240	0.00042	20.75	0.95959	0.00047
37.00	0.96819	0.00033	23.50	0.95610	0.00042	21.00	0.96569	0.00045
38.00	0.97298	0.00030	23.75	0.96045	0.00042	21.25	0.97054	0.00046
39.00	0.97896	0.00030	24.00	0.96338	0.00041	21.50	0.97432	0.00046
40.00	0.98252	0.00030	24.25	0.96802	0.00039	21.75	0.97872	0.00045
41.00	0.98627	0.00029	24.50	0.97032	0.00041	22.00	0.98328	0.00045
42.00	0.99011	0.00029	24.75	0.97438	0.00039	22.25	0.98821	0.00044
43.00	0.99359	0.00029	25.00	0.97736	0.00041	22.50	0.99243	0.00045
44.00	0.99724	0.00028	25.25	0.98077	0.00041	22.75	0.99648	0.00045
45.00	1.00005	0.00029	25.50	0.98440	0.00040	23.00	1.00016	0.00045
46.00	1.00246	0.00029	25.75	0.98731	0.00040	23.25	1.00361	0.00045
47.00	1.00550	0.00028	26.00	0.98916	0.00039	23.50	1.00803	0.00042
48.00	1.00883	0.00027	26.25	0.99298	0.00038	23.75	1.01206	0.00042
			26.50	0.99640	0.00040	24.00	1.01550	0.00042
			26.75	0.99919	0.00038	24.25	1.01970	0.00043
			27.00	1.00129	0.00039	24.50	1.02262	0.00045
			27.25	1.00447	0.00039	24.75	1.02602	0.00044
			27.50	1.00607	0.00038			
			27.75	1.00951	0.00038			
			28.00	1.01244	0.00040			
			28.25	1.01446	0.00039			
			28.50	1.01604	0.00039			
			28.75	1.01955	0.00039			
			29.00	1.02189	0.00038			
			29.25	1.02478	0.00039			
			29.50	1.02720	0.00038			

18			20			22		
16.00	0.89382	0.00052	16.40	0.93644	0.00052	15.20	0.91892	0.00056
16.20	0.89956	0.00049	16.60	0.94331	0.00052	15.40	0.92673	0.00053
16.40	0.90750	0.00049	16.80	0.94970	0.00054	15.60	0.93411	0.00054
16.60	0.91313	0.00050	17.00	0.95572	0.00051	15.80	0.94153	0.00056
16.80	0.92016	0.00050	17.20	0.96195	0.00051	16.00	0.94845	0.00055
17.00	0.92581	0.00051	17.40	0.96820	0.00052	16.20	0.95540	0.00054
17.20	0.93124	0.00050	17.60	0.97326	0.00052	16.40	0.96182	0.00051
17.40	0.93788	0.00051	17.80	0.97919	0.00053	17.00	0.98057	0.00055
17.60	0.94256	0.00049	18.00	0.98480	0.00051	17.20	0.98706	0.00054
17.80	0.94804	0.00050	18.20	0.99035	0.00053	17.40	0.99384	0.00052
18.00	0.95394	0.00050	18.40	0.99552	0.00052	17.60	0.99894	0.00052
18.20	0.95906	0.00050	18.60	1.00002	0.00052	18.20	1.01601	0.00055
18.40	0.96451	0.00048	18.80	1.00643	0.00054	18.40	1.02144	0.00053
18.60	0.96976	0.00050	19.00	1.01025	0.00054	18.60	1.02765	0.00055
18.80	0.97583	0.00051	19.60	1.02597	0.00050			
19.00	0.98026	0.00049	19.80	1.03021	0.00049			
19.20	0.98446	0.00052						
19.40	0.98880	0.00049						
19.60	0.99412	0.00050						
19.80	0.99903	0.00052						
20.00	1.00333	0.00049						
20.20	1.00780	0.00049						
20.40	1.01103	0.00049						
20.60	1.01581	0.00049						
20.80	1.02037	0.00048						
21.00	1.02442	0.00047						

24			25			26		
14.40	0.90917	0.00055	14.00	0.90141	0.00059	14.00	0.91023	0.00055
14.60	0.91686	0.00056	14.20	0.91000	0.00060	14.20	0.91921	0.00057
14.80	0.92517	0.00055	14.40	0.91821	0.00055	14.40	0.92731	0.00058
15.00	0.93250	0.00055	14.60	0.92726	0.00055	14.60	0.93404	0.00057
15.20	0.94111	0.00056	14.80	0.93547	0.00060	14.80	0.94289	0.00057
15.40	0.94835	0.00055	15.00	0.94327	0.00055	15.00	0.95110	0.00057
15.60	0.95571	0.00056	15.20	0.95067	0.00056	15.20	0.95864	0.00056
15.80	0.96215	0.00058	15.40	0.95572	0.00056	15.40	0.96697	0.00059
16.00	0.96910	0.00055	15.60	0.96486	0.00057	15.60	0.97354	0.00057
16.20	0.97658	0.00054	15.80	0.97364	0.00056	15.80	0.98077	0.00059
16.40	0.98332	0.00054	16.00	0.98060	0.00056	16.00	0.98954	0.00059
16.60	0.98986	0.00056	16.20	0.98791	0.00055	16.20	0.99585	0.00058
16.80	0.99613	0.00055	16.40	0.99405	0.00055	16.40	1.00298	0.00056
17.00	1.00246	0.00053	16.60	0.99854	0.00058	16.60	1.00946	0.00055
17.20	1.00887	0.00056	17.40	1.02541	0.00056	16.80	1.01508	0.00057
17.40	1.01554	0.00055	17.60	1.03191	0.00056	17.00	1.02267	0.00058
17.60	1.02248	0.00055	17.80	1.03684	0.00054	17.20	1.02833	0.00056
17.80	1.02777	0.00053	18.00	1.04295	0.00057	17.40	1.03385	0.00055
18.00	1.03290	0.00056	18.20	1.04794	0.00054	17.60	1.04046	0.00056
18.20	1.03945	0.00053	18.40	1.05465	0.00055	17.80	1.04670	0.00056
18.40	1.04355	0.00054	18.60	1.05991	0.00053	18.00	1.05244	0.00055
18.60	1.04909	0.00054	18.80	1.06489	0.00054			
18.80	1.05482	0.00054	19.00	1.07084	0.00054			
19.00	1.05948	0.00057						

28			30			32		
13.90	0.92235	0.00059	14.00	0.94030	0.00061	13.40	0.92243	0.00061
14.10	0.93000	0.00059	14.20	0.94841	0.00059	13.60	0.93341	0.00058
14.30	0.93866	0.00056	14.40	0.95676	0.00059	13.80	0.94267	0.00061
14.50	0.94738	0.00057	14.60	0.96569	0.00058	14.00	0.95165	0.00060
14.70	0.95492	0.00056	14.80	0.97377	0.00057	15.40	1.00994	0.00062
14.90	0.96497	0.00058	15.00	0.98146	0.00059	15.60	1.01685	0.00061
15.10	0.97216	0.00058	15.20	0.98905	0.00057	15.80	1.02582	0.00059
15.30	0.97899	0.00060	15.40	0.99730	0.00058	16.00	1.03056	0.00057
15.50	0.98629	0.00059	15.60	1.00551	0.00059	16.20	1.03885	0.00059
15.70	0.99343	0.00055	15.80	1.01274	0.00060	16.40	1.04429	0.00056
15.90	1.00216	0.00061	16.00	1.01993	0.00059	17.00	1.06697	0.00059
16.10	1.00916	0.00057	16.20	1.02638	0.00058			
16.30	1.01504	0.00058	16.40	1.03397	0.00058			
16.50	1.02339	0.00059	16.60	1.04110	0.00059			
16.70	1.02946	0.00059	16.80	1.04756	0.00057			
16.90	1.03604	0.00059						
17.10	1.04181	0.00061						
17.30	1.04870	0.00057						
17.70	1.06054	0.00057						
17.90	1.06645	0.00057						
18.00	1.06990	0.00056						

36			40			45		
13.40	0.94348	0.00062	12.20	0.89707	0.00064	12.00	0.90200	0.00063
13.60	0.95436	0.00061	12.40	0.90799	0.00063	12.10	0.90688	0.00066
13.80	0.96244	0.00059	12.60	0.91991	0.00062	12.20	0.91224	0.00065
14.00	0.97208	0.00062	12.80	0.93008	0.00064	12.30	0.91831	0.00061
14.60	0.99823	0.00063	13.00	0.94070	0.00064	12.40	0.92411	0.00063
14.80	1.00709	0.00061	13.20	0.95027	0.00061	12.50	0.92884	0.00065
15.00	1.01436	0.00060	13.40	0.95929	0.00063	12.60	0.93411	0.00064
15.20	1.02212	0.00064	13.60	0.96946	0.00061	12.70	0.93931	0.00064
15.40	1.02974	0.00063	13.80	0.97909	0.00065	12.80	0.94451	0.00063
15.60	1.03889	0.00062	15.00	1.03046	0.00062	12.90	0.94997	0.00064
			15.20	1.04034	0.00065	13.00	0.95505	0.00065
			15.40	1.04671	0.00062	13.10	0.96163	0.00064
			15.60	1.05528	0.00063	13.90	0.99931	0.00065
			15.80	1.06192	0.00063	14.00	1.00469	0.00066
			16.00	1.07015	0.00060	14.10	1.00840	0.00063
						14.20	1.01203	0.00063
						14.40	1.02226	0.00062
						14.50	1.02505	0.00064
						15.10	1.05082	0.00063
						15.20	1.05466	0.00065

50			75			100		
12.00	0.91356	0.00064	11.60	0.92191	0.00069	11.00	0.89619	0.00069
12.10	0.91913	0.00066	11.70	0.92819	0.00066	11.10	0.90370	0.00070
12.20	0.92594	0.00065	11.80	0.93299	0.00070	11.20	0.90945	0.00068
12.30	0.93109	0.00065	11.90	0.93977	0.00068	11.30	0.91666	0.00066
12.80	0.95817	0.00065	12.00	0.94481	0.00068	11.40	0.92175	0.00067
12.90	0.96167	0.00065	12.10	0.95226	0.00072	11.50	0.92693	0.00069
13.00	0.96760	0.00067	12.20	0.95757	0.00067	11.60	0.93380	0.00070
13.10	0.97318	0.00067	12.70	0.98328	0.00067	11.70	0.94014	0.00071
13.20	0.97755	0.00068	12.80	0.99014	0.00068	11.80	0.94528	0.00068
13.30	0.98274	0.00066	12.90	0.99448	0.00071	11.90	0.94967	0.00068
13.40	0.98852	0.00064	13.00	0.99999	0.00066	12.00	0.95653	0.00064
13.50	0.99359	0.00062	13.10	1.00405	0.00069	12.10	0.96179	0.00069
13.60	0.99733	0.00067	13.20	1.00991	0.00068	12.20	0.96785	0.00069
13.70	1.00231	0.00065	13.30	1.01536	0.00068	12.30	0.97257	0.00069
14.20	1.02569	0.00063	13.40	1.01869	0.00068	12.40	0.97789	0.00068
14.30	1.03132	0.00066	13.50	1.02427	0.00067	12.50	0.98407	0.00071
14.40	1.03506	0.00064	13.60	1.02907	0.00072	12.60	0.98861	0.00071
14.50	1.03953	0.00066	13.70	1.03502	0.00071	12.70	0.99311	0.00069
14.60	1.04354	0.00066	13.90	1.04363	0.00069	12.80	0.99936	0.00071
14.70	1.04658	0.00067	14.00	1.04804	0.00067	12.90	1.00483	0.00069
			14.10	1.05301	0.00067	13.00	1.01027	0.00067
						13.10	1.01378	0.00070
						13.20	1.01996	0.00069
						13.30	1.02633	0.00068
						13.40	1.03027	0.00070
						13.50	1.03519	0.00073

150			200			350		
11.50	0.92946	0.00070	11.00	0.90097	0.00070	11.30	0.91116	0.00069
11.60	0.93691	0.00072	11.80	0.94573	0.00071	11.40	0.91513	0.00067
11.70	0.94404	0.00069	11.90	0.95133	0.00068	11.50	0.92158	0.00070
11.80	0.94764	0.00070	12.10	0.96106	0.00071	11.60	0.92685	0.00070
11.90	0.95379	0.00072	12.20	0.96737	0.00069	11.70	0.93336	0.00069
12.40	0.98091	0.00071	12.30	0.97230	0.00072	11.80	0.93822	0.00068
12.50	0.98673	0.00069	12.40	0.97731	0.00070	11.90	0.94370	0.00074
12.60	0.99230	0.00069	12.50	0.98379	0.00070	12.40	0.96864	0.00071
12.70	0.99762	0.00071	12.60	0.98955	0.00072	12.50	0.97384	0.00070
12.80	1.00139	0.00071	12.70	0.99274	0.00070	12.60	0.97900	0.00069
12.90	1.00785	0.00071	13.30	1.02392	0.00071	12.70	0.98307	0.00071
13.00	1.01087	0.00071	13.40	1.02601	0.00072	12.80	0.98883	0.00070
13.60	1.04060	0.00071	13.50	1.03107	0.00069	12.90	0.99335	0.00069
13.70	1.04551	0.00069	13.60	1.03530	0.00071	13.00	0.99715	0.00070
13.80	1.04832	0.00069	13.70	1.04012	0.00070	13.10	1.00300	0.00069
13.90	1.05490	0.00067	13.80	1.04617	0.00070	13.20	1.00651	0.00070
14.00	1.05944	0.00072	13.90	1.04894	0.00071	13.70	1.02851	0.00068
			14.00	1.05477	0.00070	13.80	1.03254	0.00071
						13.90	1.03748	0.00068
						14.00	1.04263	0.00071
						14.10	1.04568	0.00072

500		
11.00	0.89374	0.00069
11.10	0.89918	0.00067
11.20	0.90557	0.00071
11.30	0.91001	0.00068
11.40	0.91559	0.00069
11.50	0.92236	0.00068
12.00	0.94828	0.00070
12.10	0.95356	0.00071
12.20	0.95853	0.00070
12.30	0.96150	0.00069
12.40	0.96858	0.00071
12.50	0.97332	0.00067
12.90	0.99062	0.00065
13.20	1.00588	0.00070
13.70	1.02636	0.00071
13.80	1.03057	0.00071
13.90	1.03391	0.00069
14.00	1.03943	0.00071
14.10	1.04249	0.00068
14.20	1.04654	0.00070
14.30	1.05139	0.00068

750		
11.00	0.90404	0.00068
11.10	0.90959	0.00070
11.20	0.91562	0.00070
11.30	0.91936	0.00067
12.10	0.96213	0.00069
12.20	0.96770	0.00067
12.60	0.98687	0.00067
12.70	0.99050	0.00067
12.80	0.99418	0.00070
12.90	1.00052	0.00067
13.00	1.00293	0.00066
13.70	1.03471	0.00071
13.80	1.03894	0.00069

1000		
11.00	0.91971	0.00068
11.10	0.92510	0.00068
11.20	0.93090	0.00065
11.30	0.93686	0.00069
11.40	0.94031	0.00065
11.50	0.94616	0.00067
11.60	0.95267	0.00068
11.70	0.95740	0.00066
11.80	0.96245	0.00067
11.90	0.96864	0.00067
12.50	0.99719	0.00066
12.60	1.00170	0.00070
12.70	1.00600	0.00068
12.80	1.01223	0.00068
12.90	1.01627	0.00067
13.30	1.03328	0.00068
13.40	1.03777	0.00068
13.50	1.04087	0.00067
13.60	1.04619	0.00066
13.70	1.05113	0.00065
13.80	1.05426	0.00068
13.90	1.05858	0.00067
14.00	1.06209	0.00067

1500		
10.00	0.89966	0.00064
10.50	0.93080	0.00067
10.60	0.93611	0.00064
10.70	0.94186	0.00065
10.80	0.94759	0.00066
10.90	0.95316	0.00066
11.00	0.95859	0.00066
11.90	1.00933	0.00064
12.00	1.01369	0.00065
12.10	1.01799	0.00066
12.20	1.02431	0.00065

2000		
9.70	0.92058	0.00062
9.80	0.92844	0.00061
9.90	0.93349	0.00066
10.00	0.94050	0.00067
10.10	0.94648	0.00065
10.20	0.95400	0.00066
10.30	0.96035	0.00069
10.40	0.96602	0.00063
10.50	0.97163	0.00064
10.60	0.97861	0.00064
10.70	0.98553	0.00063
10.80	0.99119	0.00064
10.90	0.99669	0.00063
11.00	1.00122	0.00065
11.10	1.00973	0.00065
11.20	1.01269	0.00064
11.30	1.01991	0.00067
11.40	1.02499	0.00065
11.50	1.02973	0.00067
11.60	1.03688	0.00066
11.70	1.04104	0.00066
11.80	1.04696	0.00063
11.90	1.05216	0.00068
12.00	1.05803	0.00063

2500		
9.00	0.91147	0.00062
9.10	0.91905	0.00064
9.20	0.92554	0.00063
9.30	0.93312	0.00063
10.00	0.98223	0.00067
10.10	0.98905	0.00063
10.20	0.99558	0.00065
10.30	1.00283	0.00065
10.40	1.00856	0.00064

3000			4000			5000		
8.50	0.91113	0.00061	7.80	0.92119	0.00065	7.05	0.90767	0.00061
8.57	0.91740	0.00063	7.87	0.92778	0.00061	7.10	0.91503	0.00061
8.64	0.92158	0.00065	8.08	0.94727	0.00064	7.15	0.91969	0.00060
9.06	0.95621	0.00064	8.15	0.95222	0.00064	7.20	0.92589	0.00062
9.20	0.96501	0.00066	8.36	0.97062	0.00062	7.45	0.95272	0.00059
9.27	0.97045	0.00064	8.43	0.97786	0.00062	7.50	0.95679	0.00062
9.34	0.97585	0.00064	8.50	0.98426	0.00065	7.55	0.96055	0.00059
9.41	0.98187	0.00065	8.57	0.99024	0.00065	7.60	0.96704	0.00064
9.48	0.98629	0.00065	8.92	1.01918	0.00063	7.65	0.97198	0.00061
9.83	1.01140	0.00062	8.99	1.02523	0.00062	7.70	0.97635	0.00063
9.90	1.01697	0.00063	9.06	1.03135	0.00062	7.75	0.98248	0.00063
9.97	1.02185	0.00062	9.13	1.03532	0.00064	8.00	1.00706	0.00062
10.04	1.02623	0.00063	9.20	1.04263	0.00064			
10.11	1.03116	0.00065	9.48	1.06395	0.00064			
10.18	1.03620	0.00065						
10.25	1.03993	0.00063						
10.30	1.04360	0.00065						

6000			7000			7500		
6.60	0.91752	0.00061	6.05	0.90335	0.00058	6.05	0.92841	0.00059
6.70	0.92963	0.00059	6.10	0.90895	0.00061	6.10	0.93481	0.00059
6.75	0.93465	0.00059	6.15	0.91536	0.00060	6.15	0.94069	0.00059
6.80	0.94110	0.00060	6.20	0.92201	0.00058	6.20	0.94862	0.00060
6.90	0.95213	0.00058	6.25	0.92814	0.00060	6.25	0.95353	0.00057
6.95	0.95783	0.00062	6.30	0.93566	0.00060	6.30	0.96096	0.00059
7.00	0.96162	0.00062	6.35	0.94028	0.00061	6.35	0.96765	0.00059
7.05	0.96805	0.00062	6.40	0.94722	0.00061	6.40	0.97360	0.00059
7.10	0.97376	0.00062	6.45	0.95298	0.00062	6.45	0.97903	0.00062
7.15	0.98021	0.00064	6.70	0.98289	0.00061	6.50	0.98530	0.00056
7.20	0.98521	0.00061	6.75	0.98991	0.00062	6.80	1.02124	0.00061
7.25	0.99184	0.00062	6.80	0.99600	0.00062	6.85	1.02821	0.00061
7.30	0.99599	0.00062	6.85	1.00258	0.00059	6.90	1.03424	0.00060
7.35	1.00089	0.00062	6.90	1.00694	0.00060	6.95	1.04056	0.00060
			6.95	1.01396	0.00061			
			7.00	1.01878	0.00060			
			7.05	1.02368	0.00060			
			7.10	1.03096	0.00062			
			7.15	1.03646	0.00061			
			7.20	1.04250	0.00060			
			7.30	1.05531	0.00062			

8000			9000			10000		
5.70	0.90440	0.00057	5.55	0.93056	0.00056	5.15	0.91504	0.00056
5.80	0.91936	0.00058	5.60	0.93760	0.00057	5.20	0.92334	0.00055
5.95	0.93931	0.00058	5.65	0.94501	0.00054	5.40	0.95435	0.00056
6.00	0.94711	0.00057	5.70	0.95128	0.00055	5.45	0.96150	0.00056
6.05	0.95317	0.00060	5.75	0.95926	0.00055	5.55	0.97574	0.00057
6.25	0.98003	0.00058	5.80	0.96773	0.00058	5.60	0.98428	0.00056
6.30	0.98626	0.00059	6.05	1.00159	0.00057	5.85	1.01924	0.00057
6.35	0.99046	0.00060	6.10	1.00826	0.00059	5.90	1.02702	0.00056
6.40	0.99869	0.00060	6.15	1.01381	0.00059	5.95	1.03448	0.00058
6.45	1.00535	0.00060	6.20	1.02246	0.00058	6.00	1.04070	0.00059
6.50	1.01040	0.00057	6.30	1.03424	0.00058	6.25	1.07660	0.00059
6.55	1.01715	0.00058	6.35	1.04143	0.00059	6.30	1.08387	0.00059
6.65	1.02976	0.00057	6.40	1.04780	0.00061			

15000			19600		
4.00	0.91071	0.00048	3.34	0.92548	0.00047
4.02	0.91413	0.00046	3.36	0.93023	0.00044
4.04	0.91837	0.00047	3.38	0.93369	0.00044
4.06	0.92202	0.00049	3.40	0.93929	0.00045
4.08	0.92602	0.00050	3.42	0.94347	0.00045
4.10	0.93096	0.00048	3.54	0.97313	0.00046
4.20	0.94945	0.00050	3.56	0.97688	0.00046
4.22	0.95329	0.00050	3.58	0.98200	0.00047
4.24	0.95711	0.00050	3.66	0.99938	0.00047
4.26	0.96108	0.00050	3.68	1.00425	0.00046
4.28	0.96550	0.00050	3.70	1.00923	0.00048
4.30	0.96915	0.00050	3.72	1.01450	0.00047
4.32	0.97342	0.00049	3.74	1.01942	0.00050
4.42	0.99182	0.00049	3.80	1.03214	0.00047
4.44	0.99509	0.00052			
4.46	1.00021	0.00050			
4.48	1.00311	0.00050			
4.50	1.00665	0.00052			
4.52	1.01100	0.00051			
4.54	1.01441	0.00051			

sumtable.pu-sp-0900-10

10			13			15		
30.00	0.93402	0.00032	20.00	0.91615	0.00040	17.00	0.89966	0.00044
31.00	0.94066	0.00032	20.25	0.92089	0.00043	17.25	0.90592	0.00044
32.00	0.94685	0.00032	20.50	0.92488	0.00041	17.50	0.91202	0.00043
33.00	0.95277	0.00033	20.75	0.93002	0.00040	17.75	0.91776	0.00042
34.00	0.95907	0.00032	21.00	0.93430	0.00041	18.00	0.92474	0.00044
35.00	0.96461	0.00029	21.25	0.93845	0.00040	18.25	0.93032	0.00044
36.00	0.97019	0.00030	21.50	0.94222	0.00041	18.50	0.93576	0.00044
37.00	0.97441	0.00031	22.50	0.95784	0.00040	18.75	0.94030	0.00043
38.00	0.97828	0.00029	22.75	0.96067	0.00040	19.00	0.94668	0.00044
39.00	0.98254	0.00029	23.00	0.96468	0.00040	19.25	0.95196	0.00045
40.00	0.98637	0.00031	23.25	0.96900	0.00040	19.50	0.95731	0.00044
41.00	0.98992	0.00028	23.50	0.97109	0.00038	19.75	0.96109	0.00043
42.00	0.99316	0.00029	23.75	0.97444	0.00039	20.00	0.96644	0.00043
43.00	0.99742	0.00029	24.00	0.97865	0.00038	20.25	0.97209	0.00044
44.00	0.99967	0.00027	24.25	0.98184	0.00037	20.50	0.97575	0.00041
45.00	1.00279	0.00028	24.50	0.98442	0.00038	20.75	0.98131	0.00042
46.00	1.00571	0.00027	24.75	0.98883	0.00038	21.00	0.98385	0.00044
47.00	1.00825	0.00027	25.00	0.99106	0.00036	21.25	0.98931	0.00043
48.00	1.01094	0.00027	25.25	0.99405	0.00037	21.50	0.99411	0.00041
49.00	1.01348	0.00027	25.50	0.99735	0.00038	21.75	0.99765	0.00042
50.00	1.01530	0.00027	25.75	0.99961	0.00039	22.00	1.00202	0.00041
			26.00	1.00252	0.00038	22.25	1.00540	0.00044
			26.25	1.00573	0.00037	22.50	1.00992	0.00041
			26.50	1.00863	0.00039	22.75	1.01340	0.00041
			26.75	1.01097	0.00037	23.00	1.01740	0.00042
			27.00	1.01340	0.00037			
			27.25	1.01544	0.00037			
			27.50	1.01886	0.00038			
			27.75	1.02083	0.00038			
			28.00	1.02262	0.00037			

18			20			22		
16.00	0.92738	0.00050	14.90	0.92456	0.00051	14.00	0.91599	0.00052
16.20	0.93377	0.00048	15.10	0.93119	0.00052	14.20	0.92343	0.00052
16.40	0.94080	0.00046	15.30	0.93641	0.00051	14.40	0.93084	0.00051
16.60	0.94662	0.00046	15.50	0.94328	0.00049	14.60	0.93905	0.00049
16.80	0.95244	0.00047	15.70	0.94981	0.00052	14.80	0.94543	0.00050
17.00	0.95783	0.00045	15.90	0.95605	0.00050	15.00	0.95308	0.00051
17.20	0.96166	0.00046	16.10	0.96185	0.00050	15.20	0.95941	0.00052
17.40	0.96745	0.00045	16.30	0.96860	0.00049	15.40	0.96633	0.00049
17.60	0.97287	0.00045	16.50	0.97389	0.00047	15.60	0.97341	0.00049
17.80	0.97740	0.00046	16.70	0.97949	0.00050	15.80	0.97994	0.00051
18.00	0.98231	0.00047	16.90	0.98613	0.00051	16.00	0.98542	0.00052
18.20	0.98802	0.00047	17.10	0.99092	0.00049	16.20	0.99297	0.00049
18.40	0.99152	0.00048	17.30	0.99642	0.00049	16.40	0.99838	0.00051
18.60	0.99605	0.00046	17.50	1.00172	0.00049	16.60	1.00428	0.00052
18.80	1.00083	0.00047	17.70	1.00665	0.00049	16.80	1.00931	0.00053
19.00	1.00650	0.00047	17.90	1.01159	0.00051	17.00	1.01500	0.00053
19.20	1.01069	0.00047	18.10	1.01647	0.00048	17.20	1.02014	0.00051
19.40	1.01505	0.00047	18.30	1.02197	0.00048	17.30	1.02214	0.00051
19.60	1.01846	0.00046	18.50	1.02677	0.00049			
19.80	1.02319	0.00045	18.70	1.03121	0.00047			
20.00	1.02840	0.00045	18.90	1.03742	0.00047			
			19.00	1.03770	0.00048			

24			25			26		
13.00	0.89851	0.00051	13.00	0.90726	0.00052	13.00	0.91648	0.00055
13.20	0.90565	0.00051	13.20	0.91591	0.00055	13.10	0.92057	0.00054
13.40	0.91483	0.00053	13.40	0.92454	0.00052	13.20	0.92377	0.00054
13.60	0.92220	0.00053	13.60	0.93300	0.00051	13.30	0.92894	0.00054
13.80	0.93049	0.00051	13.80	0.94071	0.00053	13.40	0.93309	0.00053
14.00	0.93848	0.00051	14.00	0.94766	0.00053	13.50	0.93655	0.00053
14.20	0.94577	0.00050	14.20	0.95438	0.00053	13.60	0.94149	0.00054
14.40	0.95310	0.00053	14.40	0.96324	0.00053	13.70	0.94634	0.00053
14.60	0.96035	0.00054	14.60	0.96977	0.00053	13.80	0.95057	0.00055
14.80	0.96831	0.00052	14.80	0.97888	0.00053	14.40	0.97354	0.00053
15.00	0.97558	0.00053	15.00	0.98459	0.00053	14.50	0.97645	0.00054
15.20	0.98152	0.00052	15.20	0.99188	0.00048	14.60	0.97973	0.00055
15.40	0.99010	0.00052	15.40	0.99773	0.00054	14.70	0.98383	0.00056
15.60	0.99448	0.00052	15.60	1.00490	0.00052	14.80	0.98729	0.00053
15.80	1.00201	0.00052	15.80	1.01288	0.00053	14.90	0.99003	0.00057
16.00	1.00737	0.00051	16.00	1.01775	0.00052	15.30	1.00482	0.00052
16.20	1.01470	0.00051	16.20	1.02317	0.00053	15.40	1.00817	0.00054
16.40	1.02161	0.00051	16.40	1.03082	0.00054	15.50	1.01247	0.00052
16.60	1.02582	0.00050	16.60	1.03622	0.00053	15.60	1.01514	0.00051
16.80	1.03264	0.00052	16.80	1.04302	0.00051	16.00	1.02751	0.00052
			17.00	1.04853	0.00052			

28		
12.90	0.92855	0.00054
13.10	0.93599	0.00056
13.30	0.94492	0.00056
13.50	0.95408	0.00054
13.70	0.96186	0.00055
13.90	0.96997	0.00056
14.10	0.97815	0.00055
14.30	0.98614	0.00055
14.50	0.99301	0.00056
14.70	0.99988	0.00054
14.90	1.00775	0.00056
15.10	1.01448	0.00054
15.30	1.02103	0.00054
15.50	1.02884	0.00055
15.70	1.03585	0.00055
15.90	1.04086	0.00053
16.00	1.04409	0.00054

30		
12.60	0.92865	0.00056
12.70	0.93381	0.00055
12.80	0.93782	0.00054
12.90	0.94263	0.00056
13.00	0.94532	0.00054
13.10	0.95104	0.00057
13.20	0.95487	0.00055
13.30	0.95940	0.00056
13.40	0.96373	0.00057
13.50	0.96839	0.00057
13.60	0.97251	0.00057
13.70	0.97716	0.00054
13.80	0.98133	0.00055
13.90	0.98597	0.00056
14.00	0.98818	0.00057
14.10	0.99343	0.00056
14.20	0.99574	0.00056
14.30	1.00074	0.00056
14.40	1.00399	0.00056
14.50	1.00727	0.00057
14.60	1.01222	0.00055
14.70	1.01398	0.00055
14.80	1.01932	0.00055
14.90	1.02263	0.00053
15.00	1.02550	0.00055

32		
12.00	0.91314	0.00059
12.20	0.92210	0.00057
12.40	0.93154	0.00055
12.60	0.94138	0.00057
12.80	0.95067	0.00055
13.00	0.95981	0.00056
13.20	0.96816	0.00056
13.40	0.97682	0.00055
13.60	0.98597	0.00058
13.80	0.99286	0.00055
14.00	1.00126	0.00058
14.20	1.00921	0.00056
14.40	1.01789	0.00056
14.60	1.02519	0.00054
14.80	1.03252	0.00058
15.00	1.03957	0.00056
15.20	1.04711	0.00054
15.40	1.05345	0.00056
15.60	1.06070	0.00058
15.80	1.06576	0.00055
16.00	1.07197	0.00055

36		
12.00	0.93270	0.00058
12.20	0.94253	0.00057
12.40	0.95334	0.00057
12.60	0.96151	0.00058
12.80	0.97113	0.00059
13.00	0.98174	0.00057
13.20	0.99006	0.00058
13.40	0.99955	0.00057
13.60	1.00772	0.00057
13.80	1.01495	0.00056
14.00	1.02338	0.00057
14.20	1.03097	0.00056
14.40	1.03916	0.00057
14.60	1.04760	0.00061
14.80	1.05456	0.00058
15.00	1.06051	0.00058

40		
11.00	0.89748	0.00057
11.10	0.90208	0.00058
11.20	0.90850	0.00056
11.30	0.91368	0.00060
11.40	0.91799	0.00059
11.50	0.92454	0.00059
11.60	0.92995	0.00059
11.70	0.93489	0.00059
11.80	0.94075	0.00061
11.90	0.94550	0.00059
12.00	0.95087	0.00060
12.10	0.95598	0.00057
12.20	0.95908	0.00061
12.30	0.96576	0.00062
12.40	0.96985	0.00060
12.90	0.99377	0.00059
13.00	0.99829	0.00058
13.10	1.00348	0.00062
13.20	1.00695	0.00059
13.30	1.01095	0.00059
13.40	1.01599	0.00058
13.50	1.01965	0.00058
13.60	1.02415	0.00059
13.70	1.02747	0.00060
13.80	1.03288	0.00058
13.90	1.03724	0.00059
14.00	1.04115	0.00061
14.10	1.04490	0.00060
14.20	1.04823	0.00059
14.30	1.05290	0.00058

45		
11.00	0.91423	0.00060
11.10	0.91868	0.00060
11.20	0.92614	0.00058
11.30	0.93128	0.00061
11.40	0.93623	0.00060
11.80	0.95800	0.00059
11.90	0.96107	0.00058
12.00	0.96853	0.00063
12.10	0.97220	0.00061
12.20	0.97731	0.00060
12.30	0.98243	0.00060
12.40	0.98816	0.00058
12.50	0.99199	0.00059
12.60	0.99660	0.00060
12.70	1.00140	0.00063
12.80	1.00601	0.00057
12.90	1.01021	0.00062
13.00	1.01591	0.00059
13.10	1.01947	0.00063
13.50	1.03734	0.00061
13.60	1.04226	0.00061
13.70	1.04550	0.00057
13.80	1.05016	0.00057
13.90	1.05494	0.00061
14.00	1.05927	0.00060

50			75			100		
11.00	0.92726	0.00061	10.00	0.90428	0.00064	9.90	0.91320	0.00064
11.10	0.93239	0.00059	10.30	0.92211	0.00063	10.00	0.92045	0.00065
11.20	0.93735	0.00063	10.40	0.92872	0.00065	10.10	0.92677	0.00062
11.30	0.94388	0.00060	10.50	0.93557	0.00063	10.20	0.93282	0.00062
11.60	0.96033	0.00060	10.60	0.94027	0.00062	10.30	0.93785	0.00066
11.70	0.96466	0.00061	10.70	0.94762	0.00067	10.40	0.94457	0.00065
11.80	0.97098	0.00063	10.80	0.95178	0.00064	10.50	0.95005	0.00065
11.90	0.97626	0.00060	10.90	0.95841	0.00064	10.60	0.95658	0.00065
12.00	0.98156	0.00059	11.00	0.96434	0.00065	10.70	0.96006	0.00064
12.10	0.98565	0.00062	11.10	0.96793	0.00061	10.80	0.96762	0.00064
12.20	0.98944	0.00059	11.20	0.97551	0.00065	10.90	0.97277	0.00066
12.60	1.01058	0.00058	11.30	0.98226	0.00062	11.00	0.97945	0.00064
12.70	1.01449	0.00061	11.40	0.98649	0.00063	11.10	0.98435	0.00065
12.80	1.01971	0.00061	11.50	0.99162	0.00064	11.20	0.98877	0.00065
12.90	1.02441	0.00062	11.60	0.99661	0.00065	11.30	0.99467	0.00065
13.00	1.02842	0.00061	11.70	1.00221	0.00064	11.40	1.00037	0.00067
13.10	1.03584	0.00061	12.10	1.02342	0.00063	11.50	1.00544	0.00064
			12.20	1.02850	0.00063	11.60	1.01013	0.00063
			12.30	1.03248	0.00061	11.70	1.01570	0.00064
			12.40	1.03806	0.00066	11.80	1.02142	0.00067
						11.90	1.02601	0.00066
						12.00	1.03089	0.00065

150			200			350		
9.80	0.91719	0.00064	9.80	0.91978	0.00064	10.00	0.92922	0.00064
9.87	0.92115	0.00065	9.87	0.92331	0.00066	10.10	0.93525	0.00065
9.94	0.92686	0.00066	9.94	0.92710	0.00068	10.20	0.94102	0.00065
10.01	0.93081	0.00064	10.01	0.93155	0.00067	10.70	0.96678	0.00063
10.08	0.93458	0.00067	10.08	0.93580	0.00065	10.80	0.97238	0.00067
10.15	0.93767	0.00066	10.15	0.94008	0.00063	10.90	0.97706	0.00065
10.22	0.94244	0.00064	10.22	0.94377	0.00066	11.00	0.98214	0.00065
10.29	0.94685	0.00065	10.29	0.94838	0.00065	11.10	0.98747	0.00065
10.36	0.95088	0.00065	10.36	0.95123	0.00065	11.20	0.99220	0.00065
10.43	0.95402	0.00064	10.43	0.95571	0.00069	11.30	0.99667	0.00065
10.50	0.95878	0.00066	10.50	0.95902	0.00064	11.40	1.00316	0.00065
10.57	0.96377	0.00065	10.57	0.96317	0.00066	11.50	1.00628	0.00066
10.64	0.96641	0.00066	10.64	0.96729	0.00066	11.60	1.01160	0.00066
10.71	0.97166	0.00066	10.71	0.97101	0.00066	11.70	1.01587	0.00064
10.78	0.97460	0.00063	10.78	0.97526	0.00065	11.80	1.02020	0.00065
10.85	0.97848	0.00065	10.85	0.97821	0.00062	11.90	1.02424	0.00066
10.92	0.98358	0.00065	10.92	0.98077	0.00065	12.00	1.02820	0.00064
10.99	0.98483	0.00064	11.34	1.00493	0.00063			
11.06	0.98959	0.00067	11.41	1.00828	0.00065			
11.13	0.99425	0.00066	11.48	1.01115	0.00063			
11.20	0.99833	0.00065	11.55	1.01404	0.00065			
11.27	1.00099	0.00066	11.60	1.01792	0.00068			
11.34	1.00491	0.00066						
11.40	1.00689	0.00066						

500			750			1000		
9.90	0.92459	0.00064	9.77	0.92745	0.00063	9.40	0.92138	0.00063
10.00	0.93054	0.00064	9.84	0.93248	0.00064	9.75	0.94202	0.00064
10.10	0.93667	0.00066	9.91	0.93481	0.00065	9.82	0.94581	0.00065
10.20	0.94162	0.00067	9.98	0.93894	0.00061	9.89	0.94988	0.00062
10.70	0.96734	0.00062	10.05	0.94285	0.00065	9.96	0.95265	0.00065
10.80	0.97238	0.00064	10.12	0.94729	0.00064	10.03	0.95597	0.00065
10.90	0.97740	0.00063	10.19	0.95011	0.00063	10.10	0.96025	0.00064
11.00	0.98245	0.00065	10.40	0.96181	0.00063	10.17	0.96303	0.00066
11.10	0.98700	0.00064	10.47	0.96550	0.00063	10.24	0.96721	0.00065
11.20	0.99155	0.00065	10.54	0.96826	0.00065	10.31	0.97073	0.00062
11.30	0.99770	0.00064	10.82	0.98216	0.00066	10.38	0.97457	0.00064
11.40	1.00082	0.00063	10.89	0.98735	0.00065	10.45	0.97778	0.00064
11.50	1.00590	0.00065	10.96	0.98903	0.00064	10.52	0.98177	0.00065
11.80	1.01885	0.00062	11.03	0.99290	0.00061	10.59	0.98653	0.00066
			11.10	0.99728	0.00062	10.66	0.98977	0.00064
			11.17	0.99811	0.00066	10.73	0.99222	0.00062
			11.24	1.00236	0.00064	10.80	0.99540	0.00063
			11.31	1.00557	0.00064	10.87	1.00003	0.00064
			11.38	1.01003	0.00064	10.94	1.00376	0.00063
			11.45	1.01289	0.00064	11.00	1.00553	0.00064
			11.52	1.01598	0.00066			
			11.59	1.01888	0.00064			

1500			2000			2500		
8.80	0.91868	0.00062	8.00	0.89866	0.00064	7.90	0.92839	0.00063
8.90	0.92640	0.00064	8.10	0.90724	0.00063	8.00	0.93590	0.00061
9.00	0.93229	0.00063	8.20	0.91513	0.00062	8.10	0.94270	0.00062
9.10	0.93737	0.00064	8.30	0.92141	0.00062	8.20	0.95020	0.00061
9.20	0.94495	0.00063	8.40	0.92808	0.00062	8.30	0.95760	0.00060
9.30	0.95119	0.00062	8.50	0.93670	0.00064	8.40	0.96515	0.00063
9.40	0.95716	0.00064	8.60	0.94158	0.00065	8.50	0.97327	0.00062
9.50	0.96238	0.00061	8.70	0.94918	0.00063	8.60	0.97989	0.00064
9.60	0.96776	0.00061	8.80	0.95606	0.00064	8.70	0.98615	0.00063
9.70	0.97402	0.00062	8.90	0.96257	0.00062	8.80	0.99279	0.00063
9.80	0.97984	0.00066	9.00	0.96911	0.00063	8.90	0.99939	0.00063
9.90	0.98517	0.00065	9.10	0.97483	0.00061	9.00	1.00680	0.00064
10.00	0.99097	0.00064	9.20	0.98083	0.00060	9.10	1.01359	0.00063
10.10	0.99681	0.00064	9.30	0.98771	0.00064	9.20	1.01909	0.00060
10.20	1.00186	0.00064	9.40	0.99379	0.00062	9.30	1.02612	0.00063
10.30	1.00722	0.00064	9.50	0.99978	0.00061	9.40	1.03306	0.00064
10.40	1.01291	0.00061	9.60	1.00544	0.00062	9.50	1.03905	0.00063
10.50	1.01708	0.00063	9.70	1.01180	0.00061	9.60	1.04442	0.00061
10.60	1.02238	0.00062	9.80	1.01846	0.00061	9.70	1.05096	0.00064
10.70	1.02791	0.00064	9.90	1.02427	0.00063	9.80	1.05703	0.00063
10.80	1.03267	0.00065	10.00	1.02935	0.00063	9.90	1.06304	0.00065
10.90	1.03809	0.00063	10.10	1.03547	0.00062	10.00	1.06959	0.00061
11.00	1.04284	0.00062	10.20	1.04051	0.00061			
			10.30	1.04705	0.00061			

3000			4000			5000		
7.40	0.92069	0.00058	6.85	0.93325	0.00062	6.14	0.91463	0.00059
7.82	0.95673	0.00063	6.90	0.93863	0.00063	6.21	0.92298	0.00061
7.89	0.96157	0.00061	6.95	0.94284	0.00061	6.28	0.93058	0.00059
7.96	0.96687	0.00061	7.00	0.94855	0.00063	6.35	0.93889	0.00062
8.03	0.97247	0.00062	7.05	0.95282	0.00062	6.42	0.94702	0.00062
8.10	0.97783	0.00064	7.10	0.95742	0.00061	6.49	0.95398	0.00059
8.17	0.98431	0.00063	7.15	0.96243	0.00061	6.84	0.99032	0.00063
8.24	0.98831	0.00064	7.20	0.96766	0.00059	6.91	0.99707	0.00062
8.31	0.99494	0.00062	7.25	0.97132	0.00063	6.98	1.00517	0.00062
8.38	0.99914	0.00063	7.30	0.97626	0.00061	7.05	1.01194	0.00062
8.45	1.00394	0.00063	7.35	0.98152	0.00061	7.12	1.01794	0.00060
8.52	1.01011	0.00063	7.55	0.99929	0.00061	7.19	1.02524	0.00063
8.80	1.03047	0.00063	7.60	1.00311	0.00060	7.26	1.03215	0.00060
8.87	1.03468	0.00064	7.65	1.00627	0.00062	7.33	1.03912	0.00063
8.94	1.03912	0.00061	7.70	1.01142	0.00060	7.40	1.04638	0.00062
			7.75	1.01463	0.00062	7.47	1.05256	0.00061
			7.80	1.02122	0.00063	7.54	1.06002	0.00063
			7.85	1.02425	0.00061	7.60	1.06531	0.00062
			7.90	1.02870	0.00061			
			7.95	1.03333	0.00061			

6000			7000			7500		
5.70	0.91453	0.00060	5.40	0.92241	0.00062	5.20	0.91780	0.00059
5.77	0.92340	0.00059	5.42	0.92514	0.00058	5.25	0.92424	0.00057
5.84	0.93205	0.00058	5.44	0.92696	0.00058	5.30	0.93180	0.00060
6.12	0.96482	0.00061	5.46	0.93047	0.00058	5.35	0.93803	0.00059
6.19	0.97317	0.00060	5.48	0.93302	0.00059	5.40	0.94559	0.00058
6.26	0.98169	0.00063	5.50	0.93561	0.00062	5.45	0.95317	0.00057
6.33	0.98852	0.00059	5.52	0.93866	0.00059	5.50	0.95831	0.00058
6.40	0.99748	0.00058	5.54	0.94149	0.00058	5.55	0.96564	0.00060
6.47	1.00496	0.00061	5.56	0.94318	0.00058	5.60	0.97174	0.00058
6.54	1.01317	0.00062	5.58	0.94745	0.00058	5.65	0.97879	0.00061
6.61	1.02109	0.00062	5.60	0.94991	0.00058	5.70	0.98540	0.00057
6.68	1.02832	0.00062	5.62	0.95209	0.00060	5.75	0.99179	0.00062
6.75	1.03646	0.00061	5.64	0.95421	0.00059	5.80	0.99918	0.00062
6.82	1.04431	0.00063	5.66	0.95692	0.00061	5.85	1.00519	0.00061
6.89	1.05085	0.00064	5.68	0.95965	0.00062	5.90	1.01051	0.00058
6.96	1.05885	0.00058	5.70	0.96138	0.00061	5.95	1.01724	0.00062
7.20	1.08448	0.00062	5.72	0.96505	0.00058	6.00	1.02456	0.00059
			5.74	0.96777	0.00061			
			5.76	0.96998	0.00061			
			5.78	0.97197	0.00060			
			5.80	0.97565	0.00062			
			5.82	0.97734	0.00060			
			5.84	0.97976	0.00060			
			5.86	0.98213	0.00061			
			5.88	0.98565	0.00060			
			5.90	0.98897	0.00063			
			5.92	0.99030	0.00059			
			5.94	0.99311	0.00061			
			5.96	0.99582	0.00062			
			5.98	0.99708	0.00059			
			6.00	0.99954	0.00060			
			6.02	1.00328	0.00059			
			6.04	1.00465	0.00058			
			6.06	1.00786	0.00058			
			6.08	1.01040	0.00063			
			6.10	1.01228	0.00063			

8000		
5.00	0.91085	0.00057
5.02	0.91405	0.00060
5.04	0.91582	0.00056
5.06	0.92029	0.00057
5.08	0.92090	0.00058
5.10	0.92456	0.00060
5.12	0.92729	0.00057
5.14	0.93001	0.00059
5.16	0.93306	0.00058
5.18	0.93597	0.00058
5.20	0.93910	0.00061
5.22	0.94090	0.00060
5.24	0.94406	0.00060
5.26	0.94767	0.00059
5.28	0.95022	0.00060
5.30	0.95247	0.00057
5.44	0.97258	0.00060
5.46	0.97565	0.00060
5.48	0.97736	0.00060
5.50	0.98014	0.00059
5.52	0.98315	0.00059
5.54	0.98513	0.00060
5.56	0.98953	0.00059
5.58	0.99229	0.00060
5.60	0.99440	0.00060
5.62	0.99623	0.00060
5.64	0.99837	0.00059
5.66	1.00214	0.00061
5.68	1.00583	0.00059
5.70	1.00836	0.00062

9000		
4.80	0.92027	0.00059
4.82	0.92367	0.00058
4.92	0.93932	0.00057
4.94	0.94314	0.00056
4.96	0.94566	0.00059
4.98	0.94872	0.00058
5.00	0.95130	0.00058
5.02	0.95492	0.00057
5.04	0.95653	0.00059
5.06	0.96091	0.00061
5.08	0.96285	0.00060
5.10	0.96646	0.00058
5.12	0.97015	0.00058
5.14	0.97290	0.00058
5.26	0.99074	0.00060
5.28	0.99299	0.00058
5.30	0.99616	0.00061
5.32	0.99956	0.00059
5.34	1.00219	0.00059

10000		
4.50	0.91134	0.00057
4.52	0.91511	0.00055
4.54	0.91803	0.00055
4.56	0.92223	0.00056
4.58	0.92478	0.00056
4.60	0.92794	0.00058
4.62	0.93126	0.00056
4.64	0.93539	0.00058
4.66	0.93699	0.00057
4.68	0.94137	0.00057
4.70	0.94431	0.00057
4.72	0.94702	0.00058
4.74	0.95136	0.00058
4.76	0.95448	0.00058
4.78	0.95875	0.00058
4.80	0.96007	0.00058
4.90	0.97612	0.00058
4.92	0.97907	0.00058
4.94	0.98252	0.00057
4.96	0.98684	0.00059
4.98	0.98901	0.00057
5.00	0.99224	0.00057
5.02	0.99451	0.00058
5.04	0.99874	0.00058
5.06	1.00088	0.00060

15000		
3.62	0.92109	0.00053
3.64	0.92587	0.00053
3.72	0.94200	0.00053
3.74	0.94607	0.00052
3.76	0.95091	0.00055
3.78	0.95461	0.00053
3.80	0.95985	0.00055
3.82	0.96269	0.00055
3.84	0.96664	0.00056
3.86	0.97088	0.00052
3.88	0.97494	0.00055
3.90	0.97886	0.00054
3.92	0.98356	0.00055
3.94	0.98750	0.00055
3.96	0.99145	0.00055
4.06	1.01192	0.00055
4.08	1.01555	0.00054
4.10	1.02037	0.00056

19600		
3.00	0.91676	0.00048
3.02	0.92319	0.00050
3.04	0.92859	0.00052
3.06	0.93283	0.00053
3.08	0.93744	0.00052
3.10	0.94301	0.00051
3.14	0.95291	0.00051
3.16	0.95889	0.00051
3.18	0.96237	0.00054
3.20	0.96891	0.00052
3.22	0.97277	0.00051
3.24	0.97834	0.00055
3.26	0.98312	0.00050
3.28	0.98842	0.00052
3.30	0.99336	0.00050
3.32	0.99752	0.00054
3.34	1.00334	0.00053
3.36	1.00815	0.00052
3.38	1.01198	0.00056
3.40	1.01780	0.00053

sumtable.u5-sp-0013-00

	20			25			30	
999.98	0.04049	0.00002	999.98	0.05018	0.00002	999.98	0.05981	0.00002
999.99	0.04049	0.00002	999.99	0.05018	0.00002	999.99	0.05981	0.00002
	40			45			50	
999.98	0.07859	0.00003	999.98	0.08766	0.00004	999.98	0.09680	0.00004
999.99	0.07859	0.00003	999.99	0.08766	0.00004	999.99	0.09680	0.00004
	55			60			65	
999.98	0.10566	0.00004	999.98	0.11447	0.00005	999.98	0.12309	0.00005
999.99	0.10566	0.00004	999.99	0.11447	0.00005	999.99	0.12309	0.00005
	70			80			100	
999.98	0.13149	0.00005	999.98	0.14847	0.00006	999.98	0.18070	0.00007
999.99	0.13149	0.00005	999.99	0.14847	0.00006	999.99	0.18070	0.00007
	130			150			170	
999.98	0.22565	0.00009	999.98	0.25433	0.00010	999.98	0.28148	0.00012
999.99	0.22565	0.00009	999.99	0.25433	0.00010	999.99	0.28148	0.00012
	200			350			500	
999.98	0.31987	0.00013	999.98	0.47773	0.00019	999.98	0.59494	0.00025
999.99	0.31987	0.00013	999.99	0.47773	0.00019	999.99	0.59494	0.00025
	800			1000			1500	
999.98	0.75713	0.00031	999.98	0.83142	0.00034	999.98	0.94924	0.00045
999.99	0.75713	0.00031	999.99	0.83142	0.00034	999.99	0.94924	0.00045
	1700			1900			2000	
999.98	0.98058	0.00043	40.00	0.91503	0.00057	40.00	0.92489	0.00060
999.99	0.98058	0.00043	45.00	0.92944	0.00060	42.50	0.93340	0.00060
			50.00	0.94552	0.00055	45.00	0.94044	0.00060
			55.00	0.95316	0.00059	47.50	0.94868	0.00062
			60.00	0.96284	0.00050	50.00	0.95488	0.00055
			65.00	0.96734	0.00053	52.50	0.95950	0.00060
			70.00	0.97285	0.00050	55.00	0.96466	0.00058
			75.00	0.97778	0.00051	57.50	0.96891	0.00060
			80.00	0.97885	0.00053	60.00	0.97098	0.00058
			85.00	0.98160	0.00051	62.50	0.97591	0.00053
			90.00	0.98447	0.00048	65.00	0.97714	0.00054
			95.00	0.98721	0.00048	67.50	0.98084	0.00056
			100.00	0.98816	0.00050	70.00	0.98206	0.00054
			105.00	0.98892	0.00047	72.50	0.98418	0.00051
			110.00	0.99037	0.00051	75.00	0.98593	0.00053
			115.00	0.99239	0.00051	77.50	0.98945	0.00055
			120.00	0.99515	0.00051	80.00	0.98845	0.00054
			125.00	0.99476	0.00048	82.50	0.99082	0.00052
			130.00	0.99470	0.00053	85.00	0.99257	0.00053
			135.00	0.99620	0.00049	87.50	0.99270	0.00053
			140.00	0.99719	0.00049	90.00	0.99418	0.00052
			145.00	0.99668	0.00046	92.50	0.99670	0.00048
			150.00	0.99661	0.00049	95.00	0.99693	0.00048
			155.00	0.99799	0.00046	97.50	0.99988	0.00051
			160.00	0.99809	0.00048	100.00	0.99913	0.00052
			165.00	0.99807	0.00048	102.50	0.99999	0.00048
			170.00	0.99934	0.00049	105.00	1.00106	0.00051
			175.00	0.99966	0.00045	107.50	1.00065	0.00051
			180.00	0.99959	0.00049	110.00	1.00252	0.00052
			185.00	1.00009	0.00050			
			190.00	1.00068	0.00047			
			195.00	1.00027	0.00048			
			200.00	1.00203	0.00048			

2100		
40.00	0.93253	0.00062
42.00	0.94052	0.00061
44.00	0.94613	0.00056
46.00	0.95300	0.00059
48.00	0.95832	0.00055
50.00	0.96378	0.00056
52.00	0.96694	0.00058
54.00	0.96998	0.00057
56.00	0.97388	0.00058
58.00	0.97824	0.00062
60.00	0.97955	0.00058
62.00	0.98205	0.00056
64.00	0.98532	0.00053
66.00	0.98716	0.00053
68.00	0.99076	0.00056
70.00	0.99141	0.00056
72.00	0.99419	0.00052
74.00	0.99450	0.00052
76.00	0.99635	0.00053
78.00	0.99805	0.00057
80.00	0.99851	0.00050
82.00	0.99972	0.00057
84.00	1.00208	0.00056

2300		
36.00	0.92946	0.00063
37.00	0.93497	0.00062
38.00	0.94001	0.00059
39.00	0.94423	0.00061
40.00	0.94986	0.00064
41.00	0.95298	0.00060
42.00	0.95348	0.00062
43.00	0.95980	0.00059
44.00	0.96164	0.00060
45.00	0.96505	0.00063
46.00	0.96777	0.00063
47.00	0.97105	0.00067
48.00	0.97407	0.00061
49.00	0.97565	0.00058
50.00	0.97928	0.00061
51.00	0.97966	0.00058
52.00	0.98107	0.00059
53.00	0.98442	0.00059
54.00	0.98494	0.00055
55.00	0.98837	0.00056
56.00	0.99154	0.00057
57.00	0.99231	0.00060
58.00	0.99282	0.00060
59.00	0.99359	0.00056
60.00	0.99811	0.00055
61.00	0.99735	0.00056
62.00	1.00045	0.00055
63.00	0.99876	0.00060
64.00	1.00150	0.00057
65.00	1.00475	0.00057
66.00	1.00362	0.00057
67.00	1.00383	0.00057
68.00	1.00654	0.00050
69.00	1.00560	0.00055
70.00	1.00702	0.00053

2500		
35.00	0.93635	0.00066
36.00	0.94233	0.00064
37.00	0.94673	0.00064
38.00	0.95047	0.00066
39.00	0.95485	0.00068
40.00	0.95961	0.00065
41.00	0.96428	0.00064
42.00	0.96729	0.00063
43.00	0.97031	0.00066
44.00	0.97358	0.00067
45.00	0.97703	0.00062
46.00	0.98154	0.00060
47.00	0.98289	0.00063
48.00	0.98734	0.00061
49.00	0.98827	0.00062
50.00	0.99043	0.00055
51.00	0.99345	0.00063
52.00	0.99543	0.00061
53.00	0.99647	0.00059
54.00	0.99916	0.00061
55.00	1.00029	0.00054
56.00	1.00265	0.00059
57.00	1.00351	0.00058
58.00	1.00540	0.00062
59.00	1.00669	0.00058
60.00	1.00983	0.00056
61.00	1.01041	0.00060
62.00	1.01175	0.00061
63.00	1.01316	0.00054
64.00	1.01270	0.00057
65.00	1.01377	0.00056

2700		
30.00	0.91034	0.00072
31.00	0.91943	0.00064
32.00	0.92457	0.00069
33.00	0.93254	0.00070
34.00	0.93875	0.00065
35.00	0.94507	0.00065
36.00	0.95136	0.00062
37.00	0.95657	0.00065
38.00	0.96218	0.00067
39.00	0.96573	0.00068
40.00	0.96963	0.00067
41.00	0.97417	0.00060
42.00	0.97519	0.00071
43.00	0.98069	0.00060
44.00	0.98449	0.00066
45.00	0.98794	0.00062
46.00	0.99182	0.00061
47.00	0.99355	0.00067
48.00	0.99436	0.00064

3000		
30.00	0.92165	0.00068
31.00	0.92959	0.00068
32.00	0.93750	0.00067
33.00	0.94311	0.00071
34.00	0.94971	0.00069
35.00	0.95550	0.00062
36.00	0.96106	0.00072
37.00	0.96871	0.00068
38.00	0.97360	0.00065
39.00	0.97672	0.00064
40.00	0.98243	0.00070
41.00	0.98457	0.00066
42.00	0.99015	0.00061
43.00	0.99185	0.00064
44.00	0.99383	0.00064
45.00	0.99937	0.00069
46.00	1.00168	0.00066
47.00	1.00420	0.00066
48.00	1.00758	0.00063

3500		
30.00	0.93325	0.00073
30.50	0.93598	0.00073
31.00	0.94067	0.00066
31.50	0.94426	0.00068
32.00	0.94747	0.00073
32.50	0.94938	0.00073
33.00	0.95525	0.00069
33.50	0.95845	0.00068
34.00	0.96138	0.00073
34.50	0.96407	0.00070
35.00	0.96782	0.00070
35.50	0.97024	0.00068
36.00	0.97338	0.00069
36.50	0.97407	0.00068
37.00	0.97682	0.00075
37.50	0.97986	0.00068
38.00	0.98505	0.00065
38.50	0.98455	0.00070
39.00	0.98830	0.00067

49.00	0.99965	0.00065	49.00	1.00964	0.00059	39.50	0.99058	0.00068
50.00	1.00175	0.00063	50.00	1.01091	0.00062	40.00	0.99091	0.00069
51.00	1.00340	0.00064	51.00	1.01305	0.00059	40.50	0.99286	0.00068
52.00	1.00550	0.00056	52.00	1.01557	0.00064	41.00	0.99716	0.00071
53.00	1.00761	0.00061				41.50	1.00035	0.00068
54.00	1.01012	0.00059				42.00	1.00016	0.00068
55.00	1.01045	0.00060				42.50	1.00054	0.00067
56.00	1.01293	0.00061				43.00	1.00326	0.00067
57.00	1.01376	0.00060				43.50	1.00452	0.00069
58.00	1.01527	0.00063				44.00	1.00701	0.00064
59.00	1.01577	0.00057				44.50	1.00758	0.00070
60.00	1.01863	0.00060				45.00	1.01039	0.00067

4000			4500			5000		
29.00	0.92762	0.00068	30.00	0.93503	0.00072	30.00	0.93189	0.00078
29.50	0.93225	0.00074	30.50	0.93885	0.00073	30.50	0.93608	0.00070
30.00	0.93674	0.00073	31.00	0.94191	0.00072	31.00	0.94200	0.00068
30.50	0.94135	0.00069	31.50	0.94903	0.00080	31.50	0.94326	0.00077
31.00	0.94356	0.00074	32.00	0.95099	0.00076	32.00	0.94686	0.00071
31.50	0.94832	0.00072	32.50	0.95530	0.00073	32.50	0.95223	0.00079
32.00	0.95234	0.00068	33.00	0.95745	0.00075	33.00	0.95476	0.00076
32.50	0.95385	0.00074	33.50	0.96173	0.00075	33.50	0.95916	0.00071
33.00	0.95893	0.00072	34.00	0.96512	0.00071	34.00	0.96206	0.00072
33.50	0.96096	0.00073	34.50	0.96741	0.00076	34.50	0.96416	0.00070
34.00	0.96388	0.00069	35.00	0.97239	0.00073	35.00	0.96742	0.00071
34.50	0.96804	0.00075	35.50	0.97480	0.00071	35.50	0.97176	0.00071
35.00	0.96918	0.00067	36.00	0.97675	0.00067	36.00	0.97291	0.00070
35.50	0.97370	0.00072	36.50	0.97865	0.00070	36.50	0.97496	0.00067
36.00	0.97691	0.00074	37.00	0.98199	0.00072	37.00	0.97854	0.00071
36.50	0.97999	0.00073	37.50	0.98317	0.00072	37.50	0.98011	0.00068
37.00	0.98268	0.00066	38.00	0.98769	0.00075	38.00	0.98294	0.00069
37.50	0.98528	0.00069	38.50	0.98993	0.00073	38.50	0.98681	0.00080
38.00	0.98778	0.00068	39.00	0.99119	0.00073	39.00	0.98813	0.00069
38.50	0.98964	0.00069	39.50	0.99403	0.00071	39.50	0.99222	0.00069
39.00	0.99129	0.00073	40.00	0.99580	0.00068	40.00	0.99138	0.00070
39.50	0.99631	0.00067	40.50	0.99870	0.00075	40.50	0.99328	0.00071
40.00	0.99745	0.00069	41.00	0.99913	0.00071	41.00	0.99442	0.00073
40.50	0.99820	0.00067	41.50	1.00240	0.00069	41.50	1.00006	0.00067
41.00	1.00202	0.00064	42.00	1.00399	0.00070	42.00	0.99960	0.00075
41.50	1.00153	0.00069	42.50	1.00636	0.00071	42.50	1.00205	0.00075
42.00	1.00422	0.00074	43.00	1.00954	0.00072	43.00	1.00265	0.00072
42.50	1.00416	0.00071	43.50	1.00783	0.00071	43.50	1.00279	0.00071
43.00	1.00887	0.00070	44.00	1.01124	0.00069	44.00	1.00778	0.00069
						44.50	1.01017	0.00070
						45.00	1.01103	0.00068

5500			6000			7000		
30.00	0.92521	0.00073	30.00	0.91890	0.00074	30.00	0.89688	0.00073
31.00	0.93372	0.00079	31.00	0.92629	0.00076	31.00	0.90639	0.00073
32.00	0.94019	0.00079	32.00	0.93433	0.00071	32.00	0.91340	0.00075
33.00	0.94918	0.00076	33.00	0.93875	0.00078	33.00	0.92023	0.00076
34.00	0.95642	0.00076	34.00	0.94829	0.00073	34.00	0.92675	0.00073
35.00	0.96196	0.00075	35.00	0.95408	0.00074	35.00	0.93141	0.00075

36.00	0.96759	0.00073
37.00	0.97252	0.00075
38.00	0.97799	0.00075
39.00	0.98214	0.00077
40.00	0.98587	0.00073
41.00	0.99083	0.00077
42.00	0.99452	0.00075
43.00	0.99872	0.00074
44.00	0.99973	0.00069
45.00	1.00366	0.00065
46.00	1.00627	0.00071
47.00	1.01037	0.00069
48.00	1.01369	0.00074
49.00	1.01424	0.00069
50.00	1.01735	0.00070

36.00	0.95860	0.00071
37.00	0.96260	0.00074
38.00	0.96880	0.00071
39.00	0.97227	0.00074
40.00	0.97810	0.00067
41.00	0.98122	0.00068
42.00	0.98517	0.00071
43.00	0.98781	0.00073
44.00	0.99301	0.00070
45.00	0.99558	0.00071
46.00	0.99918	0.00068
47.00	1.00010	0.00071
48.00	1.00395	0.00071
49.00	1.00797	0.00074
50.00	1.01051	0.00068

36.00	0.93809	0.00073
37.00	0.94230	0.00070
38.00	0.94771	0.00069
39.00	0.95322	0.00077
40.00	0.95638	0.00072
41.00	0.96196	0.00077
42.00	0.96524	0.00069
43.00	0.96810	0.00073
44.00	0.97178	0.00068
45.00	0.97402	0.00071
46.00	0.97772	0.00072
47.00	0.97960	0.00069
48.00	0.98220	0.00070
49.00	0.98458	0.00073
50.00	0.98690	0.00067
51.00	0.99055	0.00069
52.00	0.99341	0.00074
53.00	0.99254	0.00071
54.00	0.99611	0.00067
55.00	0.99840	0.00069
56.00	0.99752	0.00073
57.00	1.00053	0.00066
58.00	1.00072	0.00065
59.00	1.00411	0.00066
60.00	1.00520	0.00067

7500		
30.00	0.88545	0.00077
32.00	0.89951	0.00070
34.00	0.91357	0.00073
36.00	0.92742	0.00071
38.00	0.93525	0.00071
40.00	0.94453	0.00072
42.00	0.95284	0.00074
44.00	0.95938	0.00073
46.00	0.96563	0.00072
48.00	0.97015	0.00069
50.00	0.97454	0.00069
52.00	0.97696	0.00074
54.00	0.98283	0.00071
56.00	0.98723	0.00071
58.00	0.99013	0.00069
60.00	0.99158	0.00069
62.00	0.99645	0.00069
64.00	0.99886	0.00066
66.00	1.00007	0.00070
68.00	1.00242	0.00068
70.00	1.00383	0.00068

8000		
40.00	0.92968	0.00075
42.00	0.93883	0.00074
44.00	0.94694	0.00067
46.00	0.95200	0.00067
48.00	0.95860	0.00070
50.00	0.96050	0.00070
52.00	0.96557	0.00071
54.00	0.97084	0.00070
56.00	0.97269	0.00069
58.00	0.97598	0.00068
60.00	0.98031	0.00067
62.00	0.98047	0.00067
64.00	0.98374	0.00070
66.00	0.98520	0.00068
68.00	0.98916	0.00070
70.00	0.98998	0.00068
72.00	0.99210	0.00068
74.00	0.99291	0.00066
76.00	0.99407	0.00067
78.00	0.99681	0.00066
80.00	0.99705	0.00066
82.00	0.99862	0.00066
84.00	1.00068	0.00065
86.00	1.00087	0.00068
88.00	1.00159	0.00069
90.00	1.00446	0.00066
92.00	1.00231	0.00067
94.00	1.00628	0.00068
96.00	1.00418	0.00067
98.00	1.00494	0.00067
100.00	1.00503	0.00068

9000		
999.98	0.99150	0.00063
999.99	0.99150	0.00063

```
         10000                     15000                     18900
999.98 0.95856 0.00065   999.98 0.74393 0.00056   999.98 0.54866 0.00047
999.99 0.95856 0.00065   999.99 0.74393 0.00056   999.99 0.54866 0.00047


sumtable.u5-sp-0013-01
            20                        25                        30
999.98 0.04049 0.00002   999.98 0.05018 0.00002   999.98 0.05981 0.00002
999.99 0.04049 0.00002   999.99 0.05018 0.00002   999.99 0.05981 0.00002

            40                        45                        50
999.98 0.07859 0.00003   999.98 0.08766 0.00004   999.98 0.09680 0.00004
                         999.99 0.08766 0.00004   999.99 0.09680 0.00004

            55                        60                        65
999.98 0.10566 0.00004   999.98 0.11447 0.00005   999.98 0.12309 0.00005
999.99 0.10566 0.00004   999.99 0.11447 0.00005   999.99 0.12309 0.00005

            70                        80                       100
999.98 0.13149 0.00005   999.98 0.14847 0.00006   999.98 0.18070 0.00007
999.99 0.13149 0.00005   999.99 0.14847 0.00006   999.99 0.18070 0.00007

           130                       150                       170
999.98 0.22565 0.00009   999.98 0.25433 0.00010   999.98 0.28148 0.00012
999.99 0.22565 0.00009   999.99 0.25433 0.00010   999.99 0.28148 0.00012

           200                       350                       500
999.98 0.31987 0.00013   999.98 0.47773 0.00019   999.98 0.59494 0.00025
999.99 0.31987 0.00013   999.99 0.47773 0.00019   999.99 0.59494 0.00025

           800                      1000                      1500
999.98 0.75713 0.00031   999.98 0.83142 0.00034   999.99 0.94924 0.00045
999.99 0.75713 0.00031   999.99 0.83142 0.00034

          1700                      1900                      2000
999.98 0.98058 0.00043    40.00 0.92040 0.00059    40.00 0.93036 0.00061
999.99 0.98058 0.00043    45.00 0.93558 0.00053    42.50 0.93813 0.00060
                          50.00 0.94716 0.00058    45.00 0.94743 0.00058
                          55.00 0.95742 0.00052    47.50 0.95252 0.00058
                          60.00 0.96320 0.00053    50.00 0.95709 0.00056
                          65.00 0.97081 0.00049    52.50 0.96275 0.00054
                          70.00 0.97439 0.00049    55.00 0.96626 0.00058
                          75.00 0.97731 0.00050    57.50 0.96862 0.00056
                          80.00 0.98111 0.00053    60.00 0.97455 0.00055
                          85.00 0.98266 0.00051    62.50 0.97558 0.00053
                          90.00 0.98467 0.00049    65.00 0.97944 0.00054
                          95.00 0.98633 0.00051    67.50 0.98089 0.00054
                         100.00 0.98983 0.00049    70.00 0.98357 0.00051
                         105.00 0.99061 0.00048    72.50 0.98627 0.00050
                         110.00 0.99211 0.00049    75.00 0.98907 0.00050
                         115.00 0.99202 0.00049    77.50 0.98871 0.00052
                         120.00 0.99352 0.00048    80.00 0.99119 0.00051
                         125.00 0.99408 0.00050    82.50 0.99326 0.00052
                         130.00 0.99452 0.00052    85.00 0.99278 0.00054
                         135.00 0.99476 0.00048    87.50 0.99487 0.00052
                         140.00 0.99610 0.00048    90.00 0.99701 0.00053
                         145.00 0.99793 0.00048    92.50 0.99649 0.00052
```

150.00	0.99679	0.00049
155.00	0.99784	0.00048
160.00	0.99753	0.00048
165.00	0.99874	0.00046
170.00	0.99937	0.00043
175.00	1.00088	0.00048
180.00	1.00047	0.00043
185.00	1.00027	0.00047
190.00	1.00128	0.00048
195.00	1.00176	0.00048
200.00	1.00132	0.00048

95.00	0.99689	0.00049
97.50	0.99690	0.00051
100.00	0.99786	0.00054
102.50	1.00133	0.00053
105.00	0.99945	0.00052
107.50	1.00122	0.00050
110.00	1.00285	0.00050
112.50	1.00269	0.00050
115.00	1.00251	0.00052
117.50	1.00220	0.00049
120.00	1.00457	0.00049

2100		
40.00	0.93873	0.00060
42.00	0.94679	0.00059
44.00	0.95077	0.00058
46.00	0.95664	0.00061
48.00	0.96220	0.00058
50.00	0.96671	0.00057
52.00	0.97036	0.00059
54.00	0.97442	0.00055
56.00	0.97781	0.00057
58.00	0.97784	0.00053
60.00	0.98402	0.00056
62.00	0.98460	0.00056
64.00	0.98703	0.00053
66.00	0.98863	0.00053
68.00	0.99160	0.00058
70.00	0.99208	0.00051
72.00	0.99352	0.00051
74.00	0.99734	0.00056
76.00	0.99887	0.00053
78.00	0.99844	0.00055
80.00	1.00051	0.00053
82.00	1.00334	0.00051
84.00	1.00294	0.00053
86.00	1.00367	0.00051
88.00	1.00435	0.00052
90.00	1.00483	0.00051

2300		
35.00	0.93262	0.00066
36.00	0.93916	0.00059
37.00	0.94211	0.00063
38.00	0.94657	0.00058
39.00	0.95076	0.00061
40.00	0.95384	0.00061
41.00	0.95814	0.00059
42.00	0.96023	0.00061
43.00	0.96267	0.00062
44.00	0.96701	0.00061
45.00	0.97035	0.00055
46.00	0.97286	0.00062
47.00	0.97455	0.00063
48.00	0.97836	0.00060
49.00	0.97953	0.00059
50.00	0.98186	0.00059
51.00	0.98343	0.00060
52.00	0.98523	0.00055
53.00	0.98793	0.00057
54.00	0.98876	0.00058
55.00	0.99054	0.00060
56.00	0.99172	0.00061
57.00	0.99367	0.00058
58.00	0.99624	0.00055
59.00	0.99623	0.00057
60.00	0.99709	0.00056
61.00	0.99969	0.00056
62.00	0.99941	0.00057
63.00	1.00184	0.00055
64.00	1.00388	0.00057
65.00	1.00280	0.00058

2500		
33.00	0.93380	0.00066
34.00	0.94050	0.00064
35.00	0.94410	0.00066
36.00	0.95089	0.00063
37.00	0.95442	0.00064
38.00	0.95810	0.00063
39.00	0.96388	0.00062
40.00	0.96660	0.00064
41.00	0.96949	0.00065
42.00	0.97346	0.00062
43.00	0.97625	0.00056
44.00	0.97992	0.00062
45.00	0.98236	0.00060
46.00	0.98493	0.00060
47.00	0.98708	0.00059
48.00	0.99015	0.00060
49.00	0.99274	0.00059
50.00	0.99509	0.00060
51.00	0.99818	0.00064
52.00	0.99855	0.00057
53.00	1.00020	0.00060
54.00	1.00285	0.00059
55.00	1.00324	0.00056

2700		
30.00	0.92268	0.00067
31.00	0.93034	0.00068
32.00	0.93685	0.00067
33.00	0.94315	0.00067
34.00	0.94993	0.00066
35.00	0.95497	0.00067
36.00	0.95924	0.00066

3000		
29.00	0.92651	0.00071
30.00	0.93345	0.00071
31.00	0.94352	0.00069
32.00	0.94673	0.00067
33.00	0.95389	0.00069
34.00	0.95993	0.00069
35.00	0.96412	0.00071

3500		
28.00	0.92841	0.00068
29.00	0.93889	0.00073
30.00	0.94549	0.00070
31.00	0.95167	0.00068
32.00	0.95721	0.00073
33.00	0.96371	0.00071
34.00	0.97024	0.00066

37.00	0.96306	0.00065
38.00	0.96893	0.00064
39.00	0.97230	0.00063
40.00	0.97701	0.00067
41.00	0.97876	0.00062
42.00	0.98273	0.00064
43.00	0.98496	0.00067
44.00	0.98817	0.00062
45.00	0.99256	0.00063
46.00	0.99581	0.00061
47.00	0.99883	0.00060
48.00	1.00083	0.00062
49.00	1.00293	0.00061
50.00	1.00439	0.00064
51.00	1.00643	0.00058
52.00	1.00825	0.00060
53.00	1.00932	0.00061
54.00	1.01111	0.00059

36.00	0.97026	0.00062
37.00	0.97480	0.00066
38.00	0.98019	0.00064
39.00	0.98399	0.00069
40.00	0.98782	0.00065
41.00	0.99015	0.00061
42.00	0.99567	0.00063
43.00	0.99695	0.00062
44.00	1.00232	0.00067
45.00	1.00222	0.00063
46.00	1.00419	0.00067
47.00	1.00708	0.00064
48.00	1.01157	0.00061
49.00	1.01359	0.00061
50.00	1.01582	0.00062

35.00	0.97572	0.00075
36.00	0.98185	0.00074
37.00	0.98685	0.00068
38.00	0.99028	0.00067
39.00	0.99403	0.00066
40.00	0.99843	0.00065
41.00	1.00274	0.00067
42.00	1.00568	0.00068
43.00	1.00900	0.00066
44.00	1.01142	0.00071
45.00	1.01405	0.00069
46.00	1.01731	0.00063
47.00	1.01774	0.00069
48.00	1.02282	0.00062
49.00	1.02447	0.00067
50.00	1.02724	0.00064

4000

28.00	0.93195	0.00072
28.50	0.93738	0.00075
29.00	0.94088	0.00073
29.50	0.94470	0.00071
30.00	0.94935	0.00072
30.50	0.95188	0.00072
31.00	0.95800	0.00070
31.50	0.96045	0.00067
32.00	0.96189	0.00074
32.50	0.96635	0.00068
33.00	0.96702	0.00075
33.50	0.97223	0.00074
34.00	0.97336	0.00068
34.50	0.97909	0.00068
35.00	0.98032	0.00066
35.50	0.98220	0.00071
36.00	0.98503	0.00074
36.50	0.98832	0.00066
37.00	0.99086	0.00065
37.50	0.99289	0.00071
38.00	0.99471	0.00071
38.50	0.99585	0.00065
39.00	0.99869	0.00072
39.50	1.00124	0.00070
40.00	1.00356	0.00069
40.50	1.00294	0.00064
41.00	1.00720	0.00072
41.50	1.00792	0.00074
42.00	1.01084	0.00068

4500

28.00	0.93291	0.00074
28.50	0.93595	0.00070
29.00	0.94122	0.00075
29.50	0.94548	0.00076
30.00	0.94881	0.00071
30.50	0.95245	0.00078
31.00	0.95622	0.00068
31.50	0.96004	0.00074
32.00	0.96205	0.00075
32.50	0.96624	0.00072
33.00	0.96924	0.00073
33.50	0.97320	0.00071
34.00	0.97495	0.00069
34.50	0.97780	0.00072
35.00	0.98160	0.00075
35.50	0.98389	0.00070
36.00	0.98532	0.00067
36.50	0.98677	0.00072
37.00	0.99061	0.00071
37.50	0.99450	0.00071
38.00	0.99454	0.00068
38.50	0.99782	0.00069
39.00	0.99899	0.00069
39.50	1.00257	0.00066
40.00	1.00398	0.00072
40.50	1.00452	0.00069
41.00	1.00848	0.00074
41.50	1.00835	0.00070
42.00	1.01009	0.00070

5000

28.00	0.93131	0.00076
28.50	0.93389	0.00070
29.00	0.93832	0.00069
29.50	0.94251	0.00074
30.00	0.94499	0.00071
30.50	0.95005	0.00074
31.00	0.95127	0.00072
31.50	0.95600	0.00069
32.00	0.95949	0.00072
32.50	0.96373	0.00072
33.00	0.96574	0.00068
33.50	0.96814	0.00074
34.00	0.97088	0.00068
34.50	0.97502	0.00070
35.00	0.97590	0.00071
35.50	0.97898	0.00071
36.00	0.98284	0.00063
36.50	0.98404	0.00069
37.00	0.98745	0.00070
37.50	0.98988	0.00072
38.00	0.99277	0.00067
38.50	0.99285	0.00069
39.00	0.99598	0.00070
39.50	0.99731	0.00069
40.00	0.99934	0.00068
40.50	1.00089	0.00070
41.00	1.00265	0.00069
41.50	1.00447	0.00070
42.00	1.00650	0.00069
42.50	1.00849	0.00066
43.00	1.00907	0.00069
43.50	1.01192	0.00073
44.00	1.01234	0.00067

5500			6000			7000		
30.00	0.94000	0.00069	30.00	0.93138	0.00073	30.00	0.91180	0.00073
30.50	0.94282	0.00080	31.00	0.93835	0.00073	31.00	0.91976	0.00070
31.00	0.94693	0.00074	32.00	0.94726	0.00077	32.00	0.92533	0.00077
31.50	0.94960	0.00075	33.00	0.95191	0.00075	33.00	0.93162	0.00074
32.00	0.95604	0.00073	34.00	0.95586	0.00072	34.00	0.93652	0.00069
32.50	0.95629	0.00077	35.00	0.96309	0.00071	35.00	0.94103	0.00070
33.00	0.95923	0.00074	36.00	0.96717	0.00072	36.00	0.94730	0.00073
33.50	0.96225	0.00075	37.00	0.97454	0.00074	37.00	0.95184	0.00071
34.00	0.96486	0.00074	38.00	0.97736	0.00073	38.00	0.95724	0.00073
34.50	0.97013	0.00070	39.00	0.98032	0.00070	39.00	0.96148	0.00075
35.00	0.97118	0.00071	40.00	0.98330	0.00073	40.00	0.96305	0.00074
35.50	0.97504	0.00071	41.00	0.98743	0.00068	41.00	0.96728	0.00069
36.00	0.97544	0.00068	42.00	0.99419	0.00070	42.00	0.97035	0.00071
36.50	0.97883	0.00073	43.00	0.99473	0.00078	43.00	0.97542	0.00071
37.00	0.98118	0.00067	44.00	0.99979	0.00071	44.00	0.97564	0.00071
37.50	0.98380	0.00072	45.00	1.00075	0.00070	45.00	0.98124	0.00071
38.00	0.98363	0.00076	46.00	1.00440	0.00072	46.00	0.98039	0.00070
38.50	0.98719	0.00075	47.00	1.00623	0.00069	47.00	0.98518	0.00072
39.00	0.98965	0.00077	48.00	1.00841	0.00069	48.00	0.98785	0.00070
39.50	0.99165	0.00069	49.00	1.01064	0.00068	49.00	0.98680	0.00070
40.00	0.99546	0.00072	50.00	1.01346	0.00071	50.00	0.99114	0.00068
40.50	0.99365	0.00068				51.00	0.99553	0.00067
41.00	0.99822	0.00071				52.00	0.99594	0.00071
41.50	0.99695	0.00069				53.00	0.99777	0.00071
42.00	0.99876	0.00079				54.00	0.99964	0.00071
42.50	1.00145	0.00065				55.00	1.00166	0.00067
43.00	1.00329	0.00065				56.00	1.00379	0.00073
43.50	1.00332	0.00072				57.00	1.00416	0.00071
44.00	1.00687	0.00075				58.00	1.00550	0.00067
44.50	1.00958	0.00071				59.00	1.00782	0.00070
45.00	1.01061	0.00073				60.00	1.00678	0.00069
45.50	1.01121	0.00072						
46.00	1.01201	0.00068						

7500			8000			9000		
30.00	0.90230	0.00072	30.00	0.88821	0.00077	999.98	0.99150	0.00063
32.00	0.91276	0.00069	32.00	0.89912	0.00074	999.99	0.99150	0.00063
34.00	0.92562	0.00072	34.00	0.91214	0.00073			
36.00	0.93452	0.00072	36.00	0.92196	0.00074			
38.00	0.94323	0.00064	38.00	0.93040	0.00070			
40.00	0.95164	0.00073	40.00	0.93756	0.00072			
42.00	0.95720	0.00072	42.00	0.94543	0.00074			
44.00	0.96560	0.00075	44.00	0.95070	0.00074			
46.00	0.97148	0.00070	46.00	0.95698	0.00069			
48.00	0.97540	0.00068	48.00	0.96092	0.00069			
50.00	0.97853	0.00069	50.00	0.96616	0.00067			
52.00	0.98368	0.00069	52.00	0.96899	0.00066			
54.00	0.98683	0.00066	54.00	0.97209	0.00070			
56.00	0.98789	0.00068	56.00	0.97620	0.00071			
58.00	0.99270	0.00069	58.00	0.97980	0.00073			
60.00	0.99544	0.00071	60.00	0.98101	0.00068			
62.00	0.99755	0.00071	62.00	0.98327	0.00070			
64.00	1.00047	0.00071	64.00	0.98640	0.00070			
66.00	1.00330	0.00063	66.00	0.98663	0.00069			
68.00	1.00371	0.00071	68.00	0.98873	0.00071			
70.00	1.00697	0.00065	70.00	0.99293	0.00063			

```
                          72.00 0.99355 0.00067
                          74.00 0.99497 0.00064
                          76.00 0.99524 0.00065
                          78.00 0.99791 0.00064
                          80.00 0.99884 0.00068
                          82.00 1.00079 0.00065
                          84.00 1.00088 0.00069
                          86.00 1.00279 0.00067
                          88.00 1.00196 0.00062
                          90.00 1.00295 0.00064
```

```
         10000                     15000
999.98 0.95856 0.00065   999.98 0.74393 0.00056
999.99 0.95856 0.00065   999.99 0.74393 0.00056
```

```
sumtable.u5-sp-0013-10
            20                        25                        30
999.98 0.04049 0.00002   999.98 0.05018 0.00002   999.98 0.05981 0.00002
999.99 0.04049 0.00002   999.99 0.05018 0.00002   999.99 0.05981 0.00002

            40                        45                        50
999.98 0.07859 0.00003   999.98 0.08766 0.00004   999.98 0.09680 0.00004
999.99 0.07859 0.00003   999.99 0.08766 0.00004   999.99 0.09680 0.00004

            55                        60                        65
999.98 0.10566 0.00004   999.98 0.11447 0.00005   999.98 0.12309 0.00005
999.99 0.10566 0.00004   999.99 0.11447 0.00005   999.99 0.12309 0.00005

            70                        80                       100
999.98 0.13149 0.00005   999.98 0.14847 0.00006   999.98 0.18070 0.00007
999.99 0.13149 0.00005   999.99 0.14847 0.00006   999.99 0.18070 0.00007

           130                       150                       170
999.98 0.22565 0.00009   999.98 0.25433 0.00010   999.98 0.28148 0.00012
999.99 0.22565 0.00009   999.99 0.25433 0.00010   999.99 0.28148 0.00012

           200                       350                       500
999.98 0.31987 0.00013   999.98 0.47773 0.00019   999.98 0.59494 0.00025
999.99 0.31987 0.00013   999.99 0.47773 0.00019   999.99 0.59494 0.00025

           800                      1000                      1500
999.98 0.75713 0.00031   999.98 0.83142 0.00034   999.98 0.94924 0.00045
999.99 0.75713 0.00031   999.99 0.83142 0.00034   999.99 0.94924 0.00045

          1700                      1900                      2000
999.98 0.98058 0.00043    40.00 0.92462 0.00058    40.00 0.93420 0.00059
999.99 0.98058 0.00043    45.00 0.93913 0.00058    42.50 0.94299 0.00057
                          50.00 0.94928 0.00053    45.00 0.94949 0.00055
                          55.00 0.95756 0.00050    47.50 0.95495 0.00059
                          60.00 0.96500 0.00053    50.00 0.96075 0.00060
                          65.00 0.97130 0.00053    52.50 0.96340 0.00053
                          70.00 0.97303 0.00053    55.00 0.96848 0.00054
                          75.00 0.97810 0.00048    57.50 0.97244 0.00055
                          80.00 0.98096 0.00047    60.00 0.97470 0.00050
                          85.00 0.98483 0.00049    62.50 0.97730 0.00054
                          90.00 0.98532 0.00051    65.00 0.98001 0.00051
```

95.00	0.98600	0.00052
100.00	0.98841	0.00048
105.00	0.98989	0.00050
110.00	0.99150	0.00051
115.00	0.99126	0.00050
120.00	0.99396	0.00050
125.00	0.99398	0.00050
130.00	0.99578	0.00049
135.00	0.99683	0.00051
140.00	0.99746	0.00047
145.00	0.99695	0.00048
150.00	0.99851	0.00049
155.00	0.99726	0.00048
160.00	0.99899	0.00049
165.00	0.99799	0.00048
170.00	1.00057	0.00049
175.00	0.99913	0.00047
180.00	1.00006	0.00046
185.00	1.00081	0.00047
190.00	0.99956	0.00051
195.00	1.00043	0.00047
200.00	1.00147	0.00046

67.50	0.98179	0.00054
70.00	0.98492	0.00056
72.50	0.98675	0.00052
75.00	0.98778	0.00057
77.50	0.98939	0.00053
80.00	0.99217	0.00050
82.50	0.99270	0.00049
85.00	0.99466	0.00051
87.50	0.99463	0.00049
90.00	0.99664	0.00050
92.50	0.99703	0.00049
95.00	0.99720	0.00048
97.50	0.99755	0.00053
100.00	0.99894	0.00050
102.50	1.00131	0.00051
105.00	0.99983	0.00050
107.50	1.00103	0.00051
110.00	1.00243	0.00051
112.50	1.00149	0.00048
115.00	1.00306	0.00051
117.50	1.00267	0.00049
120.00	1.00329	0.00051

2100

37.00	0.93315	0.00058
39.00	0.94030	0.00061
41.00	0.94749	0.00056
43.00	0.95248	0.00053
45.00	0.95821	0.00054
47.00	0.96257	0.00058
49.00	0.96762	0.00055
51.00	0.97144	0.00053
53.00	0.97573	0.00056
55.00	0.97757	0.00058
57.00	0.98020	0.00057
59.00	0.98338	0.00056
61.00	0.98610	0.00061
63.00	0.98746	0.00053
65.00	0.99053	0.00052
67.00	0.99086	0.00053
69.00	0.99379	0.00049
71.00	0.99516	0.00056
73.00	0.99711	0.00055
75.00	0.99767	0.00052
77.00	1.00077	0.00053
79.00	0.99982	0.00054
81.00	1.00026	0.00053
83.00	1.00153	0.00051
85.00	1.00333	0.00053

2300

26.00	0.88169	0.00065
27.00	0.88874	0.00064
28.00	0.89637	0.00059
29.00	0.90509	0.00064
30.00	0.91265	0.00064
31.00	0.91804	0.00062
32.00	0.92471	0.00063
33.00	0.92973	0.00060
34.00	0.93364	0.00064
35.00	0.93923	0.00062
36.00	0.94402	0.00057
37.00	0.94734	0.00064
38.00	0.95151	0.00057
39.00	0.95482	0.00063
40.00	0.95932	0.00055
41.00	0.96138	0.00059
42.00	0.96666	0.00058
43.00	0.96913	0.00056
44.00	0.97109	0.00062
45.00	0.97534	0.00054
46.00	0.97638	0.00059
47.00	0.97841	0.00055
48.00	0.98091	0.00058
49.00	0.98316	0.00059
50.00	0.98544	0.00057
51.00	0.98889	0.00058
52.00	0.98927	0.00056
53.00	0.98873	0.00053
54.00	0.99245	0.00058
55.00	0.99336	0.00061
56.00	0.99640	0.00052
57.00	0.99551	0.00058
58.00	0.99702	0.00057
59.00	0.99814	0.00054
60.00	1.00003	0.00058
61.00	1.00127	0.00058
62.00	1.00110	0.00054

2500

26.00	0.89209	0.00048
27.00	0.90196	0.00048
28.00	0.91019	0.00048
29.00	0.91608	0.00049
30.00	0.92374	0.00050
31.00	0.93068	0.00048
32.00	0.93611	0.00048
33.00	0.94155	0.00048
34.00	0.94699	0.00048
35.00	0.95209	0.00046
36.00	0.95478	0.00047
37.00	0.95936	0.00049
38.00	0.96282	0.00045
39.00	0.96862	0.00045
40.00	0.97155	0.00046
41.00	0.97501	0.00046
42.00	0.97729	0.00045
43.00	0.97947	0.00044
44.00	0.98440	0.00045
45.00	0.98632	0.00045
46.00	0.98918	0.00045
47.00	0.99063	0.00044
48.00	0.99325	0.00044
49.00	0.99455	0.00045
50.00	0.99748	0.00043
51.00	0.99735	0.00046
52.00	0.99991	0.00043
53.00	1.00365	0.00044
54.00	1.00358	0.00043
55.00	1.00659	0.00044

2700			3000			3500		
30.00	0.93183	0.00065	27.00	0.92162	0.00070	20.00	0.85393	0.00074
31.00	0.94098	0.00068	28.00	0.93083	0.00067	21.00	0.86779	0.00070
32.00	0.94715	0.00065	29.00	0.93656	0.00064	22.00	0.88162	0.00072
33.00	0.95289	0.00061	30.00	0.94366	0.00065	23.00	0.89398	0.00073
34.00	0.95752	0.00064	31.00	0.95003	0.00070	24.00	0.90374	0.00069
35.00	0.96156	0.00060	32.00	0.95704	0.00065	25.00	0.91586	0.00070
36.00	0.96540	0.00062	33.00	0.96297	0.00064	26.00	0.92404	0.00070
37.00	0.97040	0.00065	34.00	0.96782	0.00061	27.00	0.93345	0.00066
38.00	0.97476	0.00066	35.00	0.97303	0.00065	28.00	0.94055	0.00070
39.00	0.97758	0.00068	36.00	0.97721	0.00068	29.00	0.94697	0.00066
40.00	0.98099	0.00060	37.00	0.98072	0.00070	30.00	0.95665	0.00068
41.00	0.98392	0.00063	38.00	0.98800	0.00063	31.00	0.96299	0.00064
42.00	0.98956	0.00061	39.00	0.98961	0.00065	32.00	0.96822	0.00068
43.00	0.99110	0.00066	40.00	0.99342	0.00063	33.00	0.97415	0.00069
44.00	0.99432	0.00060	41.00	0.99660	0.00062	34.00	0.97840	0.00068
45.00	0.99602	0.00066	42.00	1.00017	0.00059	35.00	0.98360	0.00071
46.00	0.99862	0.00061	43.00	1.00216	0.00064	36.00	0.98759	0.00067
47.00	1.00172	0.00059	44.00	1.00457	0.00065	37.00	0.99245	0.00067
48.00	1.00259	0.00058	45.00	1.00737	0.00067	38.00	0.99687	0.00068
49.00	1.00491	0.00060	46.00	1.01065	0.00064	39.00	1.00021	0.00065
50.00	1.00763	0.00060	47.00	1.01265	0.00065	40.00	1.00341	0.00064
51.00	1.00924	0.00062	48.00	1.01482	0.00062			
52.00	1.01108	0.00061	49.00	1.01585	0.00061			
53.00	1.01222	0.00059	50.00	1.02027	0.00059			
			51.00	1.02180	0.00064			

4000			4500			5000		
25.00	0.92082	0.00071	26.00	0.93026	0.00072	26.00	0.92810	0.00073
26.00	0.93002	0.00067	26.50	0.93404	0.00074	26.50	0.93089	0.00072
27.00	0.93759	0.00071	27.00	0.94142	0.00068	27.00	0.93623	0.00081
28.00	0.94541	0.00071	27.50	0.94255	0.00070	27.50	0.94062	0.00070
29.00	0.95379	0.00072	28.00	0.94740	0.00069	28.00	0.94688	0.00077
30.00	0.96019	0.00069	28.50	0.95120	0.00071	28.50	0.94763	0.00070
31.00	0.96783	0.00070	29.00	0.95416	0.00070	29.00	0.95193	0.00071
32.00	0.97385	0.00066	29.50	0.95687	0.00070	29.50	0.95591	0.00071
33.00	0.97805	0.00069	30.00	0.96119	0.00070	30.00	0.95964	0.00073
34.00	0.98435	0.00069	30.50	0.96646	0.00071	30.50	0.96216	0.00070
35.00	0.98891	0.00070	31.00	0.96693	0.00067	31.00	0.96529	0.00069
36.00	0.99409	0.00064	31.50	0.97328	0.00068	31.50	0.96810	0.00068
37.00	0.99661	0.00069	32.00	0.97448	0.00070	32.00	0.97034	0.00070
38.00	1.00093	0.00070	32.50	0.97582	0.00069	32.50	0.97424	0.00071
39.00	1.00726	0.00064	33.00	0.97781	0.00071	33.00	0.97531	0.00074
40.00	1.01019	0.00069	33.50	0.98196	0.00069	33.50	0.97950	0.00069
41.00	1.01025	0.00063	34.00	0.98397	0.00066	34.00	0.98004	0.00072
42.00	1.01673	0.00064	34.50	0.98643	0.00070	34.50	0.98401	0.00067
43.00	1.01877	0.00069	35.00	0.98965	0.00069	35.00	0.98589	0.00069
44.00	1.02015	0.00066	35.50	0.99258	0.00070	35.50	0.98749	0.00075
45.00	1.02334	0.00064	36.00	0.99419	0.00072	36.00	0.99011	0.00068
			36.50	0.99439	0.00069	36.50	0.99056	0.00070
			37.00	0.99834	0.00068	37.00	0.99417	0.00067
			37.50	1.00019	0.00072	37.50	0.99635	0.00066
			38.00	1.00300	0.00069	38.00	0.99890	0.00069
			38.50	1.00581	0.00070	38.50	1.00142	0.00072
			39.00	1.00675	0.00069	39.00	1.00375	0.00071
			39.50	1.00811	0.00072	39.50	1.00421	0.00067
			40.00	1.00973	0.00065	40.00	1.00640	0.00072
						40.50	1.00679	0.00071
						41.00	1.01053	0.00071

5500			6000			7000		
20.00	0.85289	0.00077	28.00	0.93107	0.00072	30.00	0.92742	0.00074
21.00	0.86624	0.00073	28.50	0.93587	0.00071	31.00	0.93353	0.00071
22.00	0.88017	0.00071	29.00	0.93733	0.00068	32.00	0.93836	0.00070
23.00	0.89243	0.00072	29.50	0.94198	0.00074	33.00	0.94287	0.00068
24.00	0.90310	0.00070	30.00	0.94441	0.00074	34.00	0.94729	0.00067
25.00	0.91330	0.00072	30.50	0.94784	0.00072	35.00	0.95196	0.00068
26.00	0.92399	0.00076	31.00	0.95188	0.00070	36.00	0.95604	0.00072
27.00	0.93149	0.00073	31.50	0.95486	0.00074	37.00	0.96035	0.00073
28.00	0.93965	0.00072	32.00	0.95609	0.00072	38.00	0.96501	0.00072
29.00	0.94567	0.00070	32.50	0.96238	0.00067	39.00	0.96843	0.00074
30.00	0.95413	0.00071	33.00	0.96178	0.00068	40.00	0.97179	0.00072
31.00	0.96036	0.00070	33.50	0.96444	0.00069	41.00	0.97494	0.00070
32.00	0.96454	0.00072	34.00	0.96671	0.00066	42.00	0.97905	0.00067
33.00	0.97017	0.00068	34.50	0.96904	0.00071	43.00	0.98014	0.00067
34.00	0.97569	0.00075	35.00	0.97171	0.00075	44.00	0.98306	0.00071
35.00	0.98073	0.00068	35.50	0.97399	0.00069	45.00	0.98495	0.00070
36.00	0.98422	0.00068	36.00	0.97658	0.00068	46.00	0.98765	0.00068
37.00	0.98806	0.00070	36.50	0.97741	0.00068	47.00	0.98952	0.00070
38.00	0.99038	0.00069	37.00	0.98035	0.00070	48.00	0.99152	0.00068
39.00	0.99533	0.00071	37.50	0.98396	0.00070	49.00	0.99382	0.00066
40.00	0.99869	0.00068	38.00	0.98654	0.00069	50.00	0.99410	0.00068
41.00	1.00178	0.00072	38.50	0.98470	0.00075	51.00	0.99832	0.00068
42.00	1.00556	0.00063	39.00	0.99047	0.00072	52.00	0.99686	0.00066
			39.50	0.98788	0.00069	53.00	1.00212	0.00067
			40.00	0.99155	0.00070	54.00	1.00239	0.00064
			40.50	0.99243	0.00068	55.00	1.00394	0.00070
			41.00	0.99578	0.00070			
			41.50	0.99516	0.00063			
			42.00	0.99862	0.00072			
			42.50	0.99985	0.00068			
			43.00	1.00136	0.00068			
			43.50	1.00261	0.00072			
			44.00	1.00174	0.00072			
			44.50	1.00563	0.00069			
			45.00	1.00557	0.00065			
			45.50	1.00810	0.00067			
			46.00	1.00870	0.00067			

7500			8000			9000		
30.00	0.91418	0.00069	36.00	0.93167	0.00071	999.98	0.99150	0.00063
32.00	0.92495	0.00070	38.00	0.93981	0.00074	999.99	0.99150	0.00063
34.00	0.93707	0.00072	40.00	0.94563	0.00070			
36.00	0.94594	0.00075	42.00	0.95252	0.00066			
38.00	0.95193	0.00072	44.00	0.95694	0.00070			
40.00	0.95954	0.00070	46.00	0.96230	0.00066			
42.00	0.96579	0.00067	48.00	0.96624	0.00068			
44.00	0.97093	0.00070	50.00	0.96926	0.00070			
46.00	0.97467	0.00071	52.00	0.97332	0.00062			
48.00	0.98060	0.00068	54.00	0.97807	0.00072			
50.00	0.98224	0.00071	56.00	0.98024	0.00070			
52.00	0.98602	0.00066	58.00	0.98175	0.00065			
54.00	0.99023	0.00067	60.00	0.98360	0.00066			
56.00	0.99140	0.00062	62.00	0.98707	0.00074			
58.00	0.99434	0.00068	64.00	0.98765	0.00067			
60.00	0.99677	0.00067	66.00	0.98955	0.00066			
62.00	1.00078	0.00068	68.00	0.99173	0.00071			

```
 64.00 1.00113 0.00069    70.00 0.99516 0.00068
 66.00 1.00664 0.00066    72.00 0.99603 0.00071
 68.00 1.00560 0.00064    74.00 0.99692 0.00065
 70.00 1.00789 0.00071    76.00 0.99743 0.00071
                          78.00 0.99934 0.00071
                          80.00 1.00070 0.00069
                          82.00 1.00126 0.00067
                          84.00 1.00216 0.00070
                          86.00 1.00374 0.00067
                          88.00 1.00419 0.00064
                          90.00 1.00409 0.00068
```

```
         10000                     15000                     18900
999.98 0.95856 0.00065   999.98 0.74393 0.00056   999.96 0.54866 0.00047
999.99 0.95856 0.00065   999.99 0.74393 0.00056   999.97 0.54866 0.00047
                                                  999.98 0.54866 0.00047
                                                  999.99 0.54866 0.00047
```

```
sumtable.u5o2-icyl-0013-00
            20                        25                        30
999.98 0.03586 0.00001   999.98 0.04454 0.00001   999.98 0.05317 0.00001
999.99 0.03586 0.00001   999.99 0.04454 0.00001   999.99 0.05317 0.00001

            40                        45                        50
999.98 0.06982 0.00002   999.98 0.07803 0.00002   999.98 0.08622 0.00002
999.99 0.06982 0.00002   999.99 0.07803 0.00002   999.99 0.08622 0.00002

            55                        60                        65
999.98 0.09422 0.00003   999.98 0.10220 0.00003   999.98 0.10994 0.00003
999.99 0.09422 0.00003   999.99 0.10220 0.00003   999.99 0.10994 0.00003

            70                        80                       100
999.98 0.11772 0.00003   999.98 0.13293 0.00004   999.98 0.16229 0.00004
999.99 0.11772 0.00003   999.99 0.13293 0.00004   999.99 0.16229 0.00004

           130                       150                       170
999.98 0.20392 0.00006   999.98 0.23047 0.00006   999.98 0.25550 0.00007
999.99 0.20392 0.00006   999.99 0.23047 0.00006   999.99 0.25550 0.00007

           200                       350                       500
999.98 0.29164 0.00008   999.98 0.44341 0.00012   999.98 0.56020 0.00015
999.99 0.29164 0.00008   999.99 0.44341 0.00012   999.99 0.56020 0.00015

           800                      1000                      1500
999.98 0.72602 0.00020   999.98 0.80396 0.00023   999.98 0.93217 0.00027
999.99 0.72602 0.00020   999.99 0.80396 0.00023   999.99 0.93217 0.00027
```

1700			1900			2000		
999.98	0.96635	0.00029	999.98	0.99395	0.00030	35.00	0.92977	0.00038
999.99	0.96635	0.00029	999.99	0.99395	0.00030	40.00	0.94546	0.00038
						45.00	0.95793	0.00036
						50.00	0.96597	0.00036
						55.00	0.97148	0.00035
						60.00	0.97706	0.00034
						65.00	0.98130	0.00035
						70.00	0.98444	0.00034
						75.00	0.98718	0.00033
						80.00	0.98936	0.00033
						85.00	0.99135	0.00034
						90.00	0.99287	0.00033
						95.00	0.99394	0.00034
						100.00	0.99438	0.00033
						105.00	0.99671	0.00032
						110.00	0.99687	0.00033
						115.00	0.99699	0.00032
						120.00	0.99739	0.00034
						125.00	0.99868	0.00033
						130.00	1.00001	0.00032
						135.00	0.99936	0.00032
						140.00	0.99988	0.00033
						145.00	1.00028	0.00032
						150.00	1.00066	0.00031

2100			2300			2500		
34.00	0.93591	0.00039	28.00	0.91803	0.00039	28.00	0.93000	0.00043
36.00	0.94314	0.00038	30.00	0.93082	0.00040	29.00	0.93836	0.00043
38.00	0.94975	0.00038	32.00	0.94197	0.00037	30.00	0.94395	0.00042
40.00	0.95552	0.00038	34.00	0.95166	0.00039	31.00	0.94979	0.00041
42.00	0.96077	0.00037	36.00	0.95849	0.00040	32.00	0.95508	0.00041
44.00	0.96498	0.00038	38.00	0.96491	0.00040	33.00	0.95962	0.00040
46.00	0.96890	0.00036	40.00	0.97199	0.00038	34.00	0.96424	0.00041
48.00	0.97250	0.00037	42.00	0.97699	0.00040	35.00	0.96957	0.00042
50.00	0.97583	0.00037	44.00	0.98202	0.00038	36.00	0.97274	0.00041
52.00	0.97900	0.00037	46.00	0.98605	0.00039	37.00	0.97569	0.00042
54.00	0.98229	0.00036	48.00	0.98892	0.00038	38.00	0.97915	0.00039
56.00	0.98352	0.00036	50.00	0.99224	0.00038	39.00	0.98221	0.00040
58.00	0.98477	0.00035	52.00	0.99583	0.00039	40.00	0.98486	0.00041
60.00	0.98764	0.00035	54.00	0.99777	0.00037	41.00	0.98770	0.00038
62.00	0.98919	0.00034	56.00	0.99981	0.00036	42.00	0.99101	0.00042
64.00	0.99002	0.00037	58.00	1.00207	0.00038	43.00	0.99305	0.00040
66.00	0.99265	0.00035	60.00	1.00490	0.00035	44.00	0.99469	0.00039
68.00	0.99457	0.00034	62.00	1.00633	0.00036	45.00	0.99692	0.00040
70.00	0.99560	0.00035	64.00	1.00783	0.00035	46.00	0.99978	0.00039
72.00	0.99617	0.00034	66.00	1.00969	0.00036	47.00	1.00023	0.00038
74.00	0.99678	0.00034	68.00	1.01085	0.00036	48.00	1.00303	0.00039
76.00	0.99777	0.00035	70.00	1.01200	0.00037	49.00	1.00354	0.00040
78.00	0.99838	0.00034	72.00	1.01363	0.00036	50.00	1.00689	0.00038
80.00	0.99946	0.00034	74.00	1.01360	0.00036	51.00	1.00782	0.00038
82.00	0.99997	0.00035	76.00	1.01578	0.00038	52.00	1.00855	0.00039
84.00	1.00074	0.00033	78.00	1.01604	0.00035	53.00	1.01074	0.00038
			80.00	1.01747	0.00036	54.00	1.01137	0.00038
			82.00	1.01701	0.00036	55.00	1.01343	0.00037
			84.00	1.01832	0.00035	56.00	1.01304	0.00039
						57.00	1.01543	0.00038
						58.00	1.01581	0.00038
						59.00	1.01694	0.00037
						60.00	1.01712	0.00038

2700			3000			3500		
28.00	0.94082	0.00044	26.00	0.93450	0.00044	26.00	0.93949	0.00047
29.00	0.94689	0.00042	26.50	0.93826	0.00044	26.50	0.94454	0.00046
30.00	0.95375	0.00044	27.00	0.94257	0.00045	27.00	0.94877	0.00048
31.00	0.95837	0.00046	27.50	0.94573	0.00045	27.50	0.95219	0.00046
32.00	0.96413	0.00043	28.00	0.94974	0.00045	28.00	0.95585	0.00045
33.00	0.96884	0.00042	28.50	0.95377	0.00044	28.50	0.95950	0.00046
34.00	0.97381	0.00041	29.00	0.95740	0.00044	29.00	0.96374	0.00045
35.00	0.97682	0.00042	29.50	0.95927	0.00048	29.50	0.96764	0.00047
36.00	0.98189	0.00042	30.00	0.96180	0.00044	30.00	0.97128	0.00047
37.00	0.98623	0.00042	30.50	0.96570	0.00045	30.50	0.97440	0.00046
38.00	0.98887	0.00041	31.00	0.96806	0.00044	31.00	0.97599	0.00048
39.00	0.99194	0.00039	31.50	0.97116	0.00043	31.50	0.97938	0.00045
40.00	0.99482	0.00041	32.00	0.97400	0.00044	32.00	0.98205	0.00046
41.00	0.99781	0.00041	32.50	0.97714	0.00043	32.50	0.98499	0.00044
42.00	1.00165	0.00040	33.00	0.97876	0.00042	33.00	0.98668	0.00045
43.00	1.00246	0.00040	33.50	0.98263	0.00043	33.50	0.98980	0.00045
44.00	1.00402	0.00039	34.00	0.98505	0.00043	34.00	0.99237	0.00044
45.00	1.00783	0.00041	34.50	0.98553	0.00042	34.50	0.99507	0.00045
46.00	1.00874	0.00040	35.00	0.98839	0.00042	35.00	0.99727	0.00044
47.00	1.01144	0.00041	35.50	0.98995	0.00042	35.50	0.99900	0.00046
48.00	1.01274	0.00040	36.00	0.99264	0.00042	36.00	1.00094	0.00045
49.00	1.01445	0.00039	36.50	0.99482	0.00043	36.50	1.00175	0.00044
50.00	1.01647	0.00038	37.00	0.99566	0.00043	37.00	1.00435	0.00045
51.00	1.01824	0.00040	37.50	0.99784	0.00042	37.50	1.00613	0.00043
52.00	1.01944	0.00040	38.00	1.00006	0.00040	38.00	1.00759	0.00044
53.00	1.02035	0.00039	38.50	1.00140	0.00042	38.50	1.00947	0.00047
54.00	1.02216	0.00040	39.00	1.00373	0.00041	39.00	1.01107	0.00044
55.00	1.02334	0.00038	39.50	1.00398	0.00043	39.50	1.01213	0.00044
56.00	1.02442	0.00040	40.00	1.00562	0.00044	40.00	1.01476	0.00044
57.00	1.02609	0.00040						
58.00	1.02681	0.00038						
59.00	1.02804	0.00038						
60.00	1.02848	0.00039						

4000			4500			5000		
24.00	0.91711	0.00049	24.00	0.90792	0.00048	27.00	0.92389	0.00048
24.50	0.92256	0.00051	24.50	0.91333	0.00049	27.75	0.92974	0.00048
25.00	0.92749	0.00046	25.00	0.91906	0.00050	28.50	0.93522	0.00049
25.50	0.93320	0.00047	25.50	0.92339	0.00050	29.25	0.94164	0.00047
26.00	0.93851	0.00051	26.00	0.92795	0.00049	30.00	0.94608	0.00048
26.50	0.94225	0.00048	26.50	0.93425	0.00049	30.75	0.95036	0.00047
27.00	0.94664	0.00047	27.00	0.93724	0.00048	31.50	0.95610	0.00049
27.50	0.95019	0.00048	27.50	0.94123	0.00047	32.25	0.95953	0.00047
28.00	0.95366	0.00049	28.00	0.94621	0.00047	33.00	0.96384	0.00046
28.50	0.96001	0.00046	28.50	0.94983	0.00049	33.75	0.96674	0.00048
29.00	0.96228	0.00048	29.00	0.95388	0.00049	34.50	0.97200	0.00048
29.50	0.96536	0.00047	29.50	0.95756	0.00050	35.25	0.97431	0.00046
30.00	0.96905	0.00048	30.00	0.96048	0.00050	36.00	0.97802	0.00046
30.50	0.97192	0.00046	30.50	0.96338	0.00045	36.75	0.98038	0.00047
31.00	0.97557	0.00046	31.00	0.96563	0.00050	37.50	0.98444	0.00046
31.50	0.97925	0.00047	31.50	0.96862	0.00047	38.25	0.98707	0.00045
32.00	0.98116	0.00047	32.00	0.97263	0.00047	39.00	0.98934	0.00046
32.50	0.98400	0.00046	32.50	0.97539	0.00047	39.75	0.99131	0.00047
33.00	0.98676	0.00045	33.00	0.97815	0.00046	40.50	0.99531	0.00045
33.50	0.98909	0.00045	33.50	0.98067	0.00046	41.25	0.99599	0.00047

34.00	0.99074	0.00048	34.00	0.98236	0.00049	42.00	0.99864	0.00045
34.50	0.99332	0.00047	34.50	0.98551	0.00045	42.75	1.00070	0.00047
35.00	0.99487	0.00046	35.00	0.98746	0.00046	43.50	1.00195	0.00046
35.50	0.99731	0.00045	35.50	0.98982	0.00047	44.25	1.00449	0.00047
36.00	0.99953	0.00046	36.00	0.99131	0.00047	45.00	1.00688	0.00045
36.50	1.00113	0.00045	36.50	0.99478	0.00047	45.75	1.00792	0.00046
37.00	1.00297	0.00046	37.00	0.99685	0.00045	46.00	1.00859	0.00044
37.50	1.00571	0.00046	37.50	0.99784	0.00045			
38.00	1.00835	0.00045	38.00	0.99909	0.00045			
38.50	1.00970	0.00046	38.50	1.00181	0.00047			
39.00	1.01042	0.00047	39.00	1.00288	0.00047			
39.50	1.01204	0.00045	39.50	1.00448	0.00046			
40.00	1.01436	0.00043	40.00	1.00630	0.00045			

5500			6000			7000		
27.00	0.90425	0.00048	36.00	0.93502	0.00049	999.98	0.96554	0.00042
27.75	0.90946	0.00049	38.00	0.94310	0.00049	999.99	0.96554	0.00042
28.50	0.91642	0.00050	40.00	0.95071	0.00045			
29.25	0.92185	0.00050	42.00	0.95620	0.00046			
30.00	0.92680	0.00049	44.00	0.96205	0.00046			
30.75	0.93112	0.00048	46.00	0.96731	0.00047			
31.50	0.93616	0.00047	48.00	0.97108	0.00047			
32.25	0.94038	0.00047	50.00	0.97523	0.00043			
33.00	0.94534	0.00048	52.00	0.97875	0.00046			
33.75	0.94868	0.00045	54.00	0.98149	0.00045			
34.50	0.95276	0.00046	56.00	0.98463	0.00047			
35.25	0.95630	0.00046	58.00	0.98763	0.00045			
36.00	0.95898	0.00046	60.00	0.98868	0.00045			
36.75	0.96237	0.00047	62.00	0.99189	0.00043			
37.50	0.96564	0.00048	64.00	0.99364	0.00046			
38.25	0.96771	0.00047	66.00	0.99433	0.00044			
39.00	0.97106	0.00048	68.00	0.99695	0.00043			
39.75	0.97394	0.00047	70.00	0.99818	0.00043			
40.50	0.97694	0.00046	72.00	0.99940	0.00041			
41.25	0.97878	0.00046	74.00	1.00026	0.00045			
42.00	0.98032	0.00046	76.00	1.00227	0.00043			
42.75	0.98214	0.00048						
43.50	0.98548	0.00044						
44.25	0.98540	0.00047						
45.00	0.98870	0.00046						
45.75	0.98965	0.00046						
46.00	0.99017	0.00045						
47.00	0.99129	0.00041						
48.00	0.99507	0.00044						
49.00	0.99633	0.00044						
50.00	0.99836	0.00044						
51.00	1.00007	0.00044						
52.00	1.00248	0.00044						

7500			8000			9000		
999.98	0.92807	0.00042	999.98	0.88617	0.00043	999.98	0.77781	0.00040
999.99	0.92807	0.00042	999.99	0.88617	0.00043	999.99	0.77781	0.00040

10000			0
999.98	0.63942	0.00034	
999.99	0.63942	0.00034	

```
sumtable.u5o2-icyl-0013-01
            20                        25                        30
999.98 0.03586 0.00001   999.98 0.04454 0.00001   999.98 0.05317 0.00001
999.99 0.03586 0.00001   999.99 0.04454 0.00001   999.99 0.05317 0.00001

            40                        45                        50
999.98 0.06982 0.00002   999.98 0.07803 0.00002   999.98 0.08622 0.00002
999.99 0.06982 0.00002   999.99 0.07803 0.00002   999.99 0.08622 0.00002

            55                        60                        65
999.98 0.09422 0.00003   999.98 0.10220 0.00003   999.98 0.10994 0.00003
999.99 0.09422 0.00003   999.99 0.10220 0.00003   999.99 0.10994 0.00003

            70                        80                       100
999.98 0.11772 0.00003   999.98 0.13293 0.00004   999.98 0.16229 0.00004
999.99 0.11772 0.00003   999.99 0.13293 0.00004   999.99 0.16229 0.00004

           130                       150                       170
999.98 0.20392 0.00006   999.98 0.23047 0.00006   999.98 0.25550 0.00007
999.99 0.20392 0.00006   999.99 0.23047 0.00006   999.99 0.25550 0.00007

           200                       350                       500
999.98 0.29164 0.00008   999.98 0.44341 0.00012   999.98 0.56020 0.00015
999.99 0.29164 0.00008   999.99 0.44341 0.00012   999.99 0.56020 0.00015

           800                      1000                      1500
999.98 0.72602 0.00020   999.98 0.80396 0.00023   999.98 0.93217 0.00027
999.99 0.72602 0.00020   999.99 0.80396 0.00023   999.99 0.93217 0.00027

          1700                      1900                      2000
999.98 0.96635 0.00029   999.98 0.99395 0.00030    30.00 0.91515 0.00036
999.99 0.96635 0.00029   999.99 0.99395 0.00030    35.00 0.93497 0.00035
                                                   40.00 0.95023 0.00036
                                                   45.00 0.96038 0.00034
                                                   50.00 0.96798 0.00034
                                                   55.00 0.97387 0.00034
                                                   60.00 0.97913 0.00033
                                                   65.00 0.98249 0.00032
                                                   70.00 0.98573 0.00033
                                                   75.00 0.98730 0.00031
                                                   80.00 0.98902 0.00032
                                                   85.00 0.99040 0.00034
                                                   90.00 0.99224 0.00033
                                                   95.00 0.99423 0.00031
                                                  100.00 0.99543 0.00031
                                                  105.00 0.99579 0.00030
                                                  110.00 0.99735 0.00031
                                                  115.00 0.99756 0.00030
                                                  120.00 0.99815 0.00031
                                                  125.00 0.99834 0.00031
                                                  130.00 0.99986 0.00030
                                                  135.00 0.99950 0.00030
                                                  140.00 1.00018 0.00030
```

2100			2300			2500		
32.00	0.93404	0.00039	26.00	0.91681	0.00040	25.00	0.92064	0.00043
34.00	0.94226	0.00037	27.00	0.92370	0.00040	26.00	0.92793	0.00044
36.00	0.94788	0.00038	28.00	0.92971	0.00038	27.00	0.93554	0.00040
38.00	0.95496	0.00037	29.00	0.93599	0.00039	28.00	0.94260	0.00042
40.00	0.96045	0.00036	30.00	0.94063	0.00039	29.00	0.94748	0.00041
42.00	0.96439	0.00037	31.00	0.94542	0.00039	30.00	0.95235	0.00041
44.00	0.96864	0.00035	32.00	0.94907	0.00039	31.00	0.95846	0.00041
46.00	0.97246	0.00038	33.00	0.95409	0.00038	32.00	0.96292	0.00040
48.00	0.97583	0.00038	34.00	0.95753	0.00039	33.00	0.96719	0.00042
50.00	0.97791	0.00035	36.00	0.96573	0.00040	34.00	0.97017	0.00040
52.00	0.98121	0.00037	38.00	0.96985	0.00038	35.00	0.97420	0.00041
54.00	0.98373	0.00034	40.00	0.97665	0.00037	36.00	0.97773	0.00040
56.00	0.98418	0.00035	42.00	0.98137	0.00039	37.00	0.98098	0.00039
58.00	0.98730	0.00036	44.00	0.98537	0.00039	38.00	0.98389	0.00038
60.00	0.98870	0.00034	46.00	0.98915	0.00038	39.00	0.98732	0.00040
62.00	0.99004	0.00037	48.00	0.99233	0.00038	40.00	0.98987	0.00039
64.00	0.99214	0.00035	50.00	0.99445	0.00037	41.00	0.99215	0.00041
66.00	0.99307	0.00033	52.00	0.99783	0.00038	42.00	0.99517	0.00039
68.00	0.99412	0.00036	54.00	0.99979	0.00036	43.00	0.99623	0.00038
70.00	0.99512	0.00035	56.00	1.00212	0.00037	44.00	0.99955	0.00038
72.00	0.99645	0.00034	58.00	1.00358	0.00037	45.00	1.00110	0.00039
74.00	0.99707	0.00034	60.00	1.00583	0.00036	46.00	1.00212	0.00039
76.00	0.99829	0.00035	62.00	1.00784	0.00036	47.00	1.00298	0.00039
78.00	0.99909	0.00036	64.00	1.00932	0.00037	48.00	1.00620	0.00039
80.00	0.99940	0.00034	66.00	1.01007	0.00035	49.00	1.00720	0.00037
82.00	1.00086	0.00034	68.00	1.01142	0.00035	50.00	1.00793	0.00038
84.00	1.00196	0.00034	70.00	1.01304	0.00037	51.00	1.01017	0.00038
86.00	1.00262	0.00034	72.00	1.01372	0.00037	52.00	1.01074	0.00038
			74.00	1.01495	0.00036	53.00	1.01239	0.00037
			76.00	1.01595	0.00036			
			78.00	1.01566	0.00036			
			80.00	1.01832	0.00034			
			82.00	1.01792	0.00037			
			84.00	1.01881	0.00035			

2700			3000			3500		
20.00	0.87834	0.00042	24.00	0.93054	0.00046	20.00	0.89323	0.00046
21.00	0.89139	0.00041	24.50	0.93504	0.00044	21.00	0.90570	0.00046
22.00	0.90162	0.00042	25.00	0.94031	0.00045	22.00	0.91749	0.00045
23.00	0.91314	0.00043	25.50	0.94305	0.00045	23.00	0.92751	0.00045
24.00	0.92171	0.00041	26.00	0.94678	0.00045	24.00	0.93735	0.00044
25.00	0.93074	0.00041	26.50	0.95106	0.00044	25.00	0.94724	0.00045
26.00	0.93683	0.00042	27.00	0.95440	0.00045	26.00	0.95414	0.00044
27.00	0.94417	0.00041	27.50	0.95877	0.00044	26.50	0.95874	0.00047
28.00	0.95232	0.00044	28.00	0.96114	0.00044	27.00	0.96271	0.00043
29.00	0.95788	0.00043	28.50	0.96441	0.00043	27.50	0.96508	0.00045
30.00	0.96317	0.00043	29.00	0.96648	0.00044	28.00	0.96895	0.00044
31.00	0.96711	0.00043	29.50	0.97024	0.00045	28.50	0.97242	0.00046
32.00	0.97242	0.00040	30.00	0.97299	0.00043	29.00	0.97507	0.00043
33.00	0.97674	0.00041	30.50	0.97599	0.00043	29.50	0.97854	0.00043
34.00	0.98110	0.00041	31.00	0.97741	0.00043	30.00	0.98105	0.00043
35.00	0.98409	0.00039	31.50	0.98078	0.00043	30.50	0.98359	0.00045
36.00	0.98773	0.00040	32.00	0.98233	0.00044	31.00	0.98629	0.00043
37.00	0.99135	0.00040	32.50	0.98474	0.00042	31.50	0.98872	0.00044
38.00	0.99397	0.00039	33.00	0.98727	0.00043	32.00	0.98992	0.00042
39.00	0.99715	0.00040	33.50	0.98977	0.00042	32.50	0.99251	0.00044
40.00	0.99965	0.00041	34.00	0.99135	0.00042	33.00	0.99541	0.00041

41.00	1.00165	0.00040
42.00	1.00466	0.00041
43.00	1.00691	0.00040
44.00	1.00845	0.00040
45.00	1.01040	0.00040
46.00	1.01259	0.00040
47.00	1.01394	0.00041
48.00	1.01524	0.00041
49.00	1.01726	0.00041
50.00	1.01908	0.00037
51.00	1.02067	0.00039
52.00	1.02176	0.00037
53.00	1.02309	0.00040
54.00	1.02377	0.00038
55.00	1.02525	0.00039
56.00	1.02771	0.00038
57.00	1.02622	0.00039
58.00	1.02779	0.00039
59.00	1.02940	0.00038
60.00	1.02956	0.00039

34.50	0.99352	0.00045
35.00	0.99451	0.00043
35.50	0.99661	0.00043
36.00	0.99832	0.00042
36.50	0.99963	0.00042
37.00	1.00342	0.00043
37.50	1.00254	0.00042
38.00	1.00462	0.00043

33.50	0.99696	0.00045
34.00	1.00011	0.00042
34.50	1.00209	0.00045
35.00	1.00361	0.00044
35.50	1.00662	0.00043
36.00	1.00689	0.00045
36.50	1.00946	0.00043
37.00	1.01111	0.00043
37.50	1.01218	0.00044
38.00	1.01405	0.00045
38.50	1.01494	0.00044
39.00	1.01614	0.00041
39.50	1.01912	0.00045
40.00	1.01967	0.00044

4000

24.00	0.93549	0.00047
24.50	0.94053	0.00047
25.00	0.94389	0.00048
25.50	0.94854	0.00046
26.00	0.95222	0.00049
26.50	0.95681	0.00048
27.00	0.96016	0.00048
27.50	0.96403	0.00047
28.00	0.96877	0.00048
28.50	0.97076	0.00045
29.00	0.97356	0.00048
29.50	0.97664	0.00046
30.00	0.97953	0.00047
30.50	0.98256	0.00048
31.00	0.98430	0.00046
31.50	0.98799	0.00046
32.00	0.98840	0.00045
32.50	0.99274	0.00047
33.00	0.99442	0.00045
33.50	0.99640	0.00044
34.00	0.99879	0.00044
34.50	1.00080	0.00045
35.00	1.00268	0.00047

4500

24.00	0.92755	0.00050
24.50	0.93188	0.00048
25.00	0.93711	0.00049
25.50	0.94096	0.00049
26.00	0.94507	0.00050
26.50	0.94834	0.00047
27.00	0.95187	0.00048
27.50	0.95572	0.00048
28.00	0.95871	0.00047
28.50	0.96224	0.00050
29.00	0.96512	0.00047
29.50	0.96817	0.00048
30.00	0.97209	0.00049
30.50	0.97495	0.00046
31.00	0.97730	0.00047
31.50	0.98047	0.00047
32.00	0.98209	0.00049
32.50	0.98434	0.00047
33.00	0.98646	0.00048
33.50	0.98976	0.00045
34.00	0.98993	0.00045
34.50	0.99371	0.00046
35.00	0.99527	0.00048
35.50	0.99772	0.00048
36.00	0.99815	0.00047
36.50	1.00194	0.00046
37.00	1.00223	0.00046
37.50	1.00450	0.00045
38.00	1.00700	0.00044
38.50	1.00721	0.00047
39.00	1.00816	0.00046
39.50	1.00982	0.00045
40.00	1.01194	0.00048

5000

27.00	0.93751	0.00046
27.50	0.94150	0.00049
28.00	0.94528	0.00048
28.50	0.94846	0.00048
29.00	0.95256	0.00045
29.50	0.95422	0.00047
30.00	0.95793	0.00049
30.50	0.96101	0.00049
31.00	0.96391	0.00046
31.50	0.96589	0.00046
32.00	0.96814	0.00047
32.50	0.97072	0.00047
33.00	0.97293	0.00048
33.50	0.97405	0.00046
34.00	0.97703	0.00048
34.50	0.97953	0.00047
35.00	0.98135	0.00047
35.50	0.98464	0.00047
36.00	0.98568	0.00047
36.50	0.98804	0.00046
37.00	0.98948	0.00046
37.50	0.99090	0.00045
38.00	0.99307	0.00044
38.50	0.99324	0.00047
39.00	0.99525	0.00046
39.50	0.99697	0.00046
40.00	0.99890	0.00043
40.50	0.99990	0.00045
41.00	1.00122	0.00044
41.50	1.00191	0.00046
42.00	1.00504	0.00046

5500			6000			7000		
27.00	0.91978	0.00049	34.00	0.93557	0.00048	999.98	0.96554	0.00042
27.75	0.92553	0.00049	36.00	0.94404	0.00049	999.99	0.96554	0.00042
28.50	0.93004	0.00049	38.00	0.95168	0.00048			
29.25	0.93474	0.00050	40.00	0.95646	0.00049			
30.00	0.93874	0.00049	42.00	0.96255	0.00048			
30.75	0.94339	0.00049	44.00	0.96679	0.00048			
31.50	0.94760	0.00050	46.00	0.97154	0.00047			
32.25	0.95175	0.00046	48.00	0.97509	0.00047			
33.00	0.95546	0.00046	50.00	0.97831	0.00047			
33.75	0.95876	0.00049	52.00	0.98180	0.00046			
34.50	0.96174	0.00047	54.00	0.98457	0.00045			
35.25	0.96429	0.00049	56.00	0.98642	0.00044			
36.00	0.96622	0.00046	58.00	0.98919	0.00046			
36.75	0.96961	0.00047	60.00	0.99196	0.00044			
37.50	0.97220	0.00046	62.00	0.99432	0.00045			
38.25	0.97481	0.00046	64.00	0.99574	0.00043			
39.00	0.97692	0.00046	66.00	0.99634	0.00045			
39.75	0.97896	0.00044	68.00	0.99919	0.00044			
40.50	0.98109	0.00044	70.00	0.99879	0.00043			
41.25	0.98434	0.00046	72.00	1.00116	0.00041			
42.00	0.98564	0.00046	74.00	1.00248	0.00042			
42.75	0.98735	0.00046	76.00	1.00314	0.00044			
43.50	0.98902	0.00046						
44.25	0.99046	0.00046						
45.00	0.99249	0.00046						
45.75	0.99390	0.00045						
46.00	0.99510	0.00044						
47.00	0.99661	0.00043						
48.00	0.99895	0.00043						
49.00	0.99993	0.00043						
50.00	1.00194	0.00042						
51.00	1.00341	0.00043						
52.00	1.00489	0.00042						

7500			8000			9000		
999.98	0.92807	0.00042	999.98	0.88617	0.00043	999.98	0.77781	0.00040
999.99	0.92807	0.00042	999.99	0.88617	0.00043	999.99	0.77781	0.00040

10000			0
999.98	0.63942	0.00034	
999.99	0.63942	0.00034	

```
sumtable.u5o2-icyl-0013-10
            20                        25                        30
999.98 0.03586 0.00001   999.98 0.04454 0.00001   999.98 0.05317 0.00001
999.99 0.03586 0.00001   999.99 0.04454 0.00001   999.99 0.05317 0.00001

            40                        45                        50
999.98 0.06982 0.00002   999.98 0.07803 0.00002   999.98 0.08622 0.00002
999.99 0.06982 0.00002   999.99 0.07803 0.00002   999.99 0.08622 0.00002

            55                        60                        65
999.98 0.09422 0.00003   999.98 0.10220 0.00003   999.98 0.10994 0.00003
999.99 0.09422 0.00003   999.99 0.10220 0.00003   999.99 0.10994 0.00003

            70                        80                       100
999.98 0.11772 0.00003   999.98 0.13293 0.00004   999.98 0.16229 0.00004
999.99 0.11772 0.00003   999.99 0.13293 0.00004   999.99 0.16229 0.00004

           130                       150                       170
999.98 0.20392 0.00006   999.98 0.23047 0.00006   999.98 0.25550 0.00007
999.99 0.20392 0.00006   999.99 0.23047 0.00006   999.99 0.25550 0.00007

           200                       350                       500
999.98 0.29164 0.00008   999.98 0.44341 0.00012   999.98 0.56020 0.00015
999.99 0.29164 0.00008   999.99 0.44341 0.00012   999.99 0.56020 0.00015

           800                      1000                      1500
999.98 0.72602 0.00020   999.98 0.80396 0.00023   999.98 0.93217 0.00027
999.99 0.72602 0.00020   999.99 0.80396 0.00023   999.99 0.93217 0.00027

          1700                      1900                      2000
999.98 0.96635 0.00029   999.98 0.99395 0.00030    30.00 0.92213 0.00038
999.99 0.96635 0.00029   999.99 0.99395 0.00030    35.00 0.94044 0.00036
                                                   40.00 0.95331 0.00035
                                                   45.00 0.96272 0.00035
                                                   50.00 0.97026 0.00035
                                                   55.00 0.97505 0.00036
                                                   60.00 0.97945 0.00035
                                                   65.00 0.98321 0.00034
                                                   70.00 0.98546 0.00035
                                                   75.00 0.98750 0.00032
                                                   80.00 0.98990 0.00032
                                                   85.00 0.99174 0.00033
                                                   90.00 0.99314 0.00033
                                                   95.00 0.99371 0.00031
                                                  100.00 0.99530 0.00033
                                                  105.00 0.99569 0.00034
                                                  110.00 0.99677 0.00033
                                                  115.00 0.99770 0.00033
                                                  120.00 0.99871 0.00032
                                                  125.00 0.99828 0.00032
                                                  130.00 0.99870 0.00032
                                                  135.00 1.00010 0.00033
                                                  140.00 0.99983 0.00032
                                                  145.00 1.00035 0.00032
                                                  150.00 1.00118 0.00032
```

2100			2300			2500		
30.00	0.93117	0.00040	22.00	0.89613	0.00037	20.00	0.88895	0.00044
32.00	0.93972	0.00038	24.00	0.91195	0.00038	21.00	0.89906	0.00042
34.00	0.94697	0.00038	26.00	0.92599	0.00037	22.00	0.90769	0.00041
36.00	0.95355	0.00037	28.00	0.93792	0.00038	23.00	0.91674	0.00041
38.00	0.95837	0.00036	30.00	0.94779	0.00037	24.00	0.92419	0.00040
40.00	0.96263	0.00036	32.00	0.95540	0.00036	25.00	0.93208	0.00041
42.00	0.96686	0.00036	34.00	0.96327	0.00036	26.00	0.93829	0.00043
44.00	0.97167	0.00037	36.00	0.96941	0.00038	27.00	0.94416	0.00041
46.00	0.97485	0.00036	38.00	0.97536	0.00038	28.00	0.94965	0.00039
48.00	0.97807	0.00036	40.00	0.98079	0.00037	29.00	0.95530	0.00038
50.00	0.98065	0.00037	42.00	0.98428	0.00038	30.00	0.96010	0.00041
52.00	0.98209	0.00035	44.00	0.98814	0.00038	31.00	0.96453	0.00039
54.00	0.98418	0.00034	46.00	0.99136	0.00037	32.00	0.96916	0.00040
56.00	0.98683	0.00035	48.00	0.99339	0.00038	33.00	0.97290	0.00039
58.00	0.98859	0.00035	50.00	0.99682	0.00037	34.00	0.97592	0.00039
60.00	0.98945	0.00036	52.00	0.99982	0.00035	35.00	0.98117	0.00040
62.00	0.99121	0.00034	54.00	1.00169	0.00038	36.00	0.98370	0.00042
64.00	0.99270	0.00033	56.00	1.00432	0.00036	37.00	0.98622	0.00039
66.00	0.99510	0.00035	58.00	1.00588	0.00036	38.00	0.98923	0.00039
68.00	0.99576	0.00034	60.00	1.00641	0.00036	39.00	0.99051	0.00038
70.00	0.99673	0.00034	62.00	1.00852	0.00035	40.00	0.99302	0.00038
72.00	0.99695	0.00033	64.00	1.01035	0.00035	41.00	0.99483	0.00041
74.00	0.99834	0.00035	66.00	1.01069	0.00036	42.00	0.99806	0.00039
76.00	0.99880	0.00035	68.00	1.01242	0.00036	43.00	0.99914	0.00038
78.00	0.99883	0.00034	70.00	1.01368	0.00035	44.00	1.00174	0.00039
80.00	1.00082	0.00034	72.00	1.01477	0.00035	45.00	1.00284	0.00038
82.00	1.00109	0.00032	74.00	1.01472	0.00035	46.00	1.00499	0.00037
			76.00	1.01657	0.00034	47.00	1.00607	0.00039
			78.00	1.01632	0.00035	48.00	1.00829	0.00036
			80.00	1.01737	0.00035	49.00	1.00916	0.00037
			82.00	1.01846	0.00036	50.00	1.01036	0.00037
			84.00	1.01877	0.00035	51.00	1.01117	0.00035
						52.00	1.01281	0.00036
						53.00	1.01411	0.00038
						54.00	1.01537	0.00036
						55.00	1.01666	0.00037
						56.00	1.01772	0.00036
						57.00	1.01809	0.00036
						58.00	1.01904	0.00036
						59.00	1.02016	0.00037
						60.00	1.02124	0.00037

2700			3000			3500		
20.00	0.89718	0.00040	23.00	0.93552	0.00044	20.00	0.91484	0.00043
21.00	0.90808	0.00043	23.50	0.94051	0.00043	20.50	0.92093	0.00043
22.00	0.91750	0.00041	24.00	0.94402	0.00044	21.00	0.92537	0.00041
23.00	0.92524	0.00040	24.50	0.94863	0.00044	21.50	0.93027	0.00044
24.00	0.93406	0.00040	25.00	0.95246	0.00044	22.00	0.93503	0.00043
25.00	0.94144	0.00040	25.50	0.95616	0.00044	22.50	0.94065	0.00043
26.00	0.94871	0.00040	26.00	0.95926	0.00042	23.00	0.94485	0.00043
27.00	0.95418	0.00040	26.50	0.96266	0.00043	23.50	0.94875	0.00043
28.00	0.96047	0.00042	27.00	0.96492	0.00043	24.00	0.95364	0.00042
29.00	0.96582	0.00040	27.50	0.96805	0.00043	24.50	0.95614	0.00043
30.00	0.97080	0.00041	28.00	0.97047	0.00042	25.00	0.95996	0.00043
31.00	0.97506	0.00040	28.50	0.97304	0.00042	25.50	0.96417	0.00043
32.00	0.97899	0.00042	29.00	0.97517	0.00043	26.00	0.96731	0.00044
33.00	0.98400	0.00040	29.50	0.97856	0.00043	26.50	0.96989	0.00043

34.00	0.98688	0.00041
35.00	0.99089	0.00040
36.00	0.99278	0.00039
37.00	0.99520	0.00041
38.00	0.99800	0.00040
39.00	1.00129	0.00039
40.00	1.00374	0.00039
41.00	1.00591	0.00039
42.00	1.00811	0.00039
43.00	1.01048	0.00039
44.00	1.01249	0.00039
45.00	1.01295	0.00039
46.00	1.01442	0.00039
47.00	1.01685	0.00039
48.00	1.01837	0.00038
49.00	1.01860	0.00038
50.00	1.02203	0.00038
51.00	1.02240	0.00039
52.00	1.02431	0.00037
53.00	1.02524	0.00040
54.00	1.02581	0.00037
55.00	1.02624	0.00039
56.00	1.02865	0.00037
57.00	1.02829	0.00036
58.00	1.03031	0.00037
59.00	1.03091	0.00037
60.00	1.03240	0.00038

30.00	0.98207	0.00042
30.50	0.98365	0.00041
31.00	0.98663	0.00042
31.50	0.98791	0.00041
32.00	0.98985	0.00042
32.50	0.99177	0.00042
33.00	0.99361	0.00041
33.50	0.99589	0.00041
34.00	0.99748	0.00041
34.50	0.99872	0.00039
35.00	1.00050	0.00041
35.50	1.00267	0.00041
36.00	1.00529	0.00042

27.00	0.97315	0.00046
27.50	0.97655	0.00046
28.00	0.97941	0.00044
28.50	0.98226	0.00044
29.00	0.98543	0.00043
29.50	0.98760	0.00045
30.00	0.98993	0.00043
30.50	0.99113	0.00043
31.00	0.99534	0.00043
31.50	0.99656	0.00043
32.00	1.00020	0.00044
32.50	1.00049	0.00043
33.00	1.00280	0.00044
33.50	1.00363	0.00044
34.00	1.00582	0.00044
34.50	1.00824	0.00044
35.00	1.00987	0.00043
35.50	1.01074	0.00043
36.00	1.01291	0.00043
36.50	1.01413	0.00044
37.00	1.01499	0.00042
37.50	1.01774	0.00044
38.00	1.01846	0.00043
38.50	1.01971	0.00042
39.00	1.02225	0.00042
39.50	1.02252	0.00043
40.00	1.02424	0.00043

4000		
22.00	0.93465	0.00047
22.50	0.93898	0.00045
23.00	0.94387	0.00046
23.50	0.94841	0.00046
24.00	0.95083	0.00046
24.50	0.95546	0.00044
25.00	0.96023	0.00046
25.50	0.96246	0.00046
26.00	0.96649	0.00046
26.50	0.97017	0.00046
27.00	0.97325	0.00044
27.50	0.97707	0.00047
28.00	0.97873	0.00044
28.50	0.98185	0.00045
29.00	0.98422	0.00046
29.50	0.98702	0.00047
30.00	0.99028	0.00044
30.50	0.99215	0.00044
31.00	0.99338	0.00046
31.50	0.99502	0.00045
32.00	0.99837	0.00045
32.50	0.99977	0.00043
33.00	1.00141	0.00044
33.50	1.00413	0.00044
34.00	1.00610	0.00042

4500		
24.00	0.94394	0.00046
24.50	0.94804	0.00047
25.00	0.95184	0.00046
25.50	0.95622	0.00045
26.00	0.95929	0.00048
26.50	0.96073	0.00046
27.00	0.96557	0.00047
27.50	0.96922	0.00046
28.00	0.97116	0.00046
28.50	0.97352	0.00046
29.00	0.97689	0.00047
29.50	0.97937	0.00044
30.00	0.98164	0.00046
30.50	0.98437	0.00044
31.00	0.98628	0.00045
31.50	0.98905	0.00046
32.00	0.99022	0.00046
32.50	0.99278	0.00045
33.00	0.99546	0.00045
33.50	0.99698	0.00046
34.00	0.99809	0.00045
34.50	1.00061	0.00045
35.00	1.00301	0.00046
35.50	1.00474	0.00044
36.00	1.00570	0.00045
36.50	1.00705	0.00045
37.00	1.00775	0.00043
37.50	1.00932	0.00045
38.00	1.01126	0.00044
38.50	1.01352	0.00045
39.00	1.01470	0.00046
39.50	1.01523	0.00044
40.00	1.01730	0.00044

5000		
24.00	0.93153	0.00048
24.50	0.93458	0.00047
25.00	0.93822	0.00047
25.50	0.94253	0.00047
26.00	0.94532	0.00047
26.50	0.94959	0.00049
27.00	0.95155	0.00047
27.50	0.95578	0.00049
28.00	0.95830	0.00045
28.50	0.96170	0.00046
29.00	0.96332	0.00047
29.50	0.96585	0.00047
30.00	0.96839	0.00048
30.50	0.97190	0.00046
31.00	0.97352	0.00045
31.50	0.97568	0.00047
32.00	0.97779	0.00046
32.50	0.97961	0.00046
33.00	0.98238	0.00046
33.50	0.98436	0.00047
34.00	0.98491	0.00046
34.50	0.98787	0.00048
35.00	0.98895	0.00045
35.50	0.99008	0.00045
36.00	0.99245	0.00045
36.50	0.99479	0.00045
37.00	0.99663	0.00047
37.50	0.99686	0.00046
38.00	0.99819	0.00046
38.50	0.99989	0.00045
39.00	1.00111	0.00044
39.50	1.00301	0.00045
40.00	1.00447	0.00045

5500			6000			7000		
27.00	0.93464	0.00047	20.00	0.85535	0.00048	999.98	0.96554	0.00042
27.75	0.93940	0.00047	22.50	0.87983	0.00047	999.99	0.96554	0.00042
28.50	0.94350	0.00047	25.00	0.89803	0.00047			
29.25	0.94706	0.00046	27.50	0.91633	0.00048			
30.00	0.95080	0.00046	30.00	0.92810	0.00046			
30.75	0.95461	0.00045	32.50	0.94049	0.00047			
31.50	0.95723	0.00046	35.00	0.94976	0.00046			
32.25	0.96180	0.00046	37.50	0.95684	0.00046			
33.00	0.96457	0.00047	40.00	0.96289	0.00044			
33.75	0.96570	0.00044	42.50	0.96886	0.00045			
34.50	0.97048	0.00044	45.00	0.97471	0.00044			
35.25	0.97217	0.00046	47.50	0.97898	0.00045			
36.00	0.97405	0.00045	50.00	0.98280	0.00045			
36.75	0.97781	0.00047	52.50	0.98630	0.00045			
37.50	0.97960	0.00044	55.00	0.98861	0.00043			
38.25	0.98168	0.00048	57.50	0.99135	0.00043			
39.00	0.98265	0.00044	60.00	0.99386	0.00045			
39.75	0.98627	0.00045	62.50	0.99567	0.00047			
40.50	0.98650	0.00046	65.00	0.99857	0.00044			
41.25	0.98960	0.00044	67.50	1.00035	0.00044			
42.00	0.99168	0.00047	70.00	1.00193	0.00045			
42.75	0.99284	0.00046	72.50	1.00242	0.00043			
43.50	0.99464	0.00044	75.00	1.00437	0.00044			
44.25	0.99649	0.00046	77.50	1.00522	0.00045			
45.00	0.99792	0.00045	80.00	1.00691	0.00043			
45.75	0.99803	0.00044	82.50	1.00647	0.00045			
46.00	0.99920	0.00045	85.00	1.00846	0.00043			
47.00	1.00143	0.00043	87.50	1.00942	0.00044			
48.00	1.00247	0.00042	90.00	1.00994	0.00043			
49.00	1.00418	0.00042						

7500			8000			9000		
999.98	0.92807	0.00042	999.98	0.88617	0.00043	999.98	0.77781	0.00040
999.99	0.92807	0.00042	999.99	0.88617	0.00043	999.99	0.77781	0.00040

10000			0
999.98	0.63942	0.00034	
999.99	0.63942	0.00034	

sumtable.u5o2-icyl-0025-00

	20			25			30	
999.98	0.06761	0.00002	999.98	0.08367	0.00002	999.98	0.09934	0.00003
999.99	0.06761	0.00002	999.99	0.08367	0.00002	999.99	0.09934	0.00003
	40			45			50	
999.98	0.12970	0.00004	999.98	0.14447	0.00004	999.98	0.15889	0.00004
999.99	0.12970	0.00004	999.99	0.14447	0.00004	999.99	0.15889	0.00004
	55			60			65	
999.98	0.17302	0.00005	999.98	0.18700	0.00005	999.98	0.20051	0.00005
999.99	0.17302	0.00005	999.99	0.18700	0.00005	999.99	0.20051	0.00005
	70			80			100	
999.98	0.21396	0.00006	999.98	0.24001	0.00006	999.98	0.28936	0.00007
999.99	0.21396	0.00006	999.99	0.24001	0.00006	999.99	0.28936	0.00007
	130			150			170	
999.98	0.35718	0.00009	999.98	0.39906	0.00010	999.98	0.43776	0.00011
999.99	0.35718	0.00009	999.99	0.39906	0.00010	999.99	0.43776	0.00011
	200			350			400	
999.98	0.49196	0.00013	999.98	0.70233	0.00017	999.98	0.75644	0.00017
999.99	0.49196	0.00013	999.99	0.70233	0.00017	999.99	0.75644	0.00017
	500			650			800	
999.98	0.84627	0.00021	999.98	0.94978	0.00022	32.00	0.93843	0.00034
999.99	0.84627	0.00021	999.99	0.94978	0.00022	33.00	0.94329	0.00034
						34.00	0.94750	0.00036
						35.00	0.95175	0.00035
						36.00	0.95502	0.00034
						37.00	0.95820	0.00034
						38.00	0.96098	0.00033
						39.00	0.96442	0.00032
						40.00	0.96735	0.00033
						41.00	0.97011	0.00033
						42.00	0.97163	0.00032
						43.00	0.97457	0.00034
						44.00	0.97724	0.00033
						45.00	0.97815	0.00032
						46.00	0.98013	0.00033
						47.00	0.98175	0.00033
						48.00	0.98394	0.00030
						49.00	0.98484	0.00032
						50.00	0.98660	0.00031
						51.00	0.98829	0.00031
						52.00	0.98976	0.00031
						53.00	0.99171	0.00030
						54.00	0.99200	0.00031
						55.00	0.99391	0.00030
						56.00	0.99417	0.00030
						57.00	0.99491	0.00031
						58.00	0.99615	0.00031
						59.00	0.99779	0.00030
						60.00	0.99807	0.00030
						61.00	0.99925	0.00029
						62.00	0.99976	0.00031
						63.00	1.00106	0.00029
						64.00	1.00131	0.00030

900			1000			1200		
26.00	0.93743	0.00038	20.00	0.89886	0.00042	19.50	0.93469	0.00044
26.50	0.94173	0.00038	20.50	0.90575	0.00044	19.75	0.93897	0.00044
27.00	0.94486	0.00038	21.00	0.91294	0.00043	20.00	0.94273	0.00046
27.50	0.94902	0.00037	21.50	0.92079	0.00042	20.25	0.94674	0.00044
28.00	0.95192	0.00036	22.00	0.92750	0.00042	20.50	0.95165	0.00043
28.50	0.95572	0.00037	22.50	0.93203	0.00042	20.75	0.95514	0.00046
29.00	0.95928	0.00037	23.00	0.93863	0.00043	21.00	0.95797	0.00044
29.50	0.96155	0.00037	23.50	0.94454	0.00040	21.25	0.96242	0.00045
30.00	0.96520	0.00035	24.00	0.94944	0.00040	21.50	0.96624	0.00042
30.50	0.96875	0.00036	24.50	0.95371	0.00041	21.75	0.97015	0.00044
31.00	0.97135	0.00036	25.00	0.95949	0.00044	22.00	0.97101	0.00044
31.50	0.97312	0.00035	25.50	0.96439	0.00041	22.25	0.97591	0.00042
32.00	0.97672	0.00035	26.00	0.96853	0.00042	22.50	0.97795	0.00043
32.50	0.97762	0.00034	26.50	0.97232	0.00041	22.75	0.98242	0.00041
33.00	0.98066	0.00033	27.00	0.97590	0.00041	23.00	0.98576	0.00043
33.50	0.98323	0.00034	27.50	0.97984	0.00041	23.25	0.98739	0.00042
34.00	0.98544	0.00034	28.00	0.98326	0.00041	23.50	0.99090	0.00043
34.50	0.98732	0.00035	28.50	0.98664	0.00040	23.75	0.99346	0.00041
35.00	0.98947	0.00035	29.00	0.99089	0.00041	24.00	0.99701	0.00043
35.50	0.99128	0.00036	29.50	0.99378	0.00039	24.25	0.99817	0.00042
36.00	0.99307	0.00035	30.00	0.99708	0.00039	24.50	1.00176	0.00042
36.50	0.99465	0.00036	30.50	1.00088	0.00037	24.75	1.00404	0.00042
37.00	0.99673	0.00034	31.00	1.00246	0.00040	25.00	1.00711	0.00043
37.50	0.99828	0.00033	31.50	1.00554	0.00038			
38.00	1.00003	0.00033	32.00	1.00714	0.00039			
38.50	1.00089	0.00034	32.50	1.01088	0.00038			
39.00	1.00332	0.00034	33.00	1.01164	0.00037			
39.50	1.00410	0.00033	33.50	1.01554	0.00038			
40.00	1.00613	0.00032	34.00	1.01727	0.00037			

1500			1700			1900		
16.00	0.90062	0.00050	16.00	0.91846	0.00054	15.00	0.90212	0.00056
16.25	0.90791	0.00052	16.20	0.92586	0.00054	15.20	0.90666	0.00056
16.50	0.91363	0.00053	16.40	0.92960	0.00051	15.40	0.91527	0.00053
16.75	0.92013	0.00052	16.60	0.93493	0.00052	15.60	0.92058	0.00054
17.00	0.92721	0.00052	16.80	0.93990	0.00052	15.80	0.92728	0.00055
17.25	0.93327	0.00052	17.00	0.94601	0.00054	16.00	0.93123	0.00052
17.50	0.93792	0.00050	17.20	0.95139	0.00051	16.20	0.93661	0.00053
17.75	0.94325	0.00050	17.40	0.95496	0.00054	16.40	0.94265	0.00053
18.00	0.94961	0.00051	17.60	0.95858	0.00053	16.60	0.94858	0.00053
18.25	0.95470	0.00052	17.80	0.96398	0.00052	16.80	0.95333	0.00053
18.50	0.96081	0.00052	18.00	0.96988	0.00052	17.00	0.95855	0.00056
18.75	0.96534	0.00050	18.20	0.97318	0.00053	17.20	0.96348	0.00056
19.00	0.96979	0.00050	18.40	0.97798	0.00051	17.40	0.96870	0.00054
19.25	0.97491	0.00050	18.60	0.98067	0.00053	17.60	0.97362	0.00053
19.50	0.98009	0.00051	18.80	0.98477	0.00052	17.80	0.97742	0.00055
19.75	0.98377	0.00050	19.00	0.99012	0.00050	18.00	0.98232	0.00055
20.00	0.98796	0.00048	19.20	0.99363	0.00053	18.20	0.98682	0.00052
20.25	0.99170	0.00049	19.40	0.99725	0.00052	18.40	0.99109	0.00055
20.50	0.99661	0.00051	19.60	1.00139	0.00049	18.60	0.99574	0.00054
20.75	1.00084	0.00051	19.80	1.00440	0.00052	18.80	0.99982	0.00052
21.00	1.00396	0.00049	20.00	1.00821	0.00050	19.00	1.00345	0.00052
21.25	1.00891	0.00048				19.20	1.00818	0.00054
21.50	1.01122	0.00048				19.40	1.01093	0.00051
21.75	1.01542	0.00049				19.60	1.01473	0.00052
22.00	1.01921	0.00049				19.80	1.01977	0.00052
						20.00	1.02224	0.00052

2000		
15.00	0.90674	0.00057
15.20	0.91291	0.00055
15.40	0.91904	0.00056
15.60	0.92513	0.00057
15.80	0.93072	0.00055
16.00	0.93768	0.00055
16.20	0.94224	0.00055
16.40	0.94825	0.00056
16.60	0.95313	0.00053
16.80	0.95960	0.00055
17.00	0.96450	0.00055
17.20	0.96857	0.00054
17.40	0.97495	0.00057
17.60	0.97919	0.00056
17.80	0.98339	0.00051
18.00	0.98837	0.00053
18.20	0.99202	0.00054
18.40	0.99661	0.00055
18.60	1.00099	0.00053
18.80	1.00467	0.00054
19.00	1.00934	0.00053
19.20	1.01358	0.00053
19.40	1.01690	0.00053
19.60	1.02044	0.00054
19.80	1.02540	0.00052
20.00	1.02711	0.00054

2100		
15.00	0.91080	0.00056
15.20	0.91687	0.00056
15.40	0.92333	0.00056
15.60	0.93045	0.00054
15.80	0.93487	0.00057
16.00	0.94115	0.00052
16.20	0.94693	0.00056
16.40	0.95188	0.00057
16.60	0.95782	0.00055
16.80	0.96303	0.00055
17.00	0.96810	0.00056
17.20	0.97363	0.00055
17.40	0.97876	0.00053
17.60	0.98380	0.00056
17.80	0.98818	0.00056
18.00	0.99214	0.00056
18.20	0.99674	0.00054
18.40	1.00107	0.00054
18.60	1.00478	0.00053
18.80	1.00860	0.00052
19.00	1.01398	0.00054

2500		
15.60	0.93751	0.00055
15.70	0.94098	0.00056
15.80	0.94354	0.00057
15.90	0.94648	0.00056
16.00	0.94971	0.00058
16.10	0.95333	0.00056
16.20	0.95549	0.00058
16.30	0.95789	0.00059
16.40	0.96073	0.00058
16.50	0.96295	0.00060
16.60	0.96760	0.00056
16.70	0.97049	0.00057
16.80	0.97201	0.00058
16.90	0.97519	0.00058
17.00	0.97878	0.00056
17.10	0.98071	0.00055
17.20	0.98242	0.00057
17.30	0.98525	0.00054
17.40	0.98781	0.00056
17.50	0.98941	0.00059
17.60	0.99187	0.00058
17.70	0.99628	0.00057
17.80	0.99832	0.00057
17.90	0.99951	0.00056
18.00	1.00180	0.00054

3000		
15.00	0.91776	0.00058
15.20	0.92414	0.00056
15.40	0.93046	0.00059
15.60	0.93654	0.00058
15.80	0.94397	0.00059
16.00	0.94756	0.00059
16.20	0.95483	0.00057
16.40	0.95970	0.00057
16.60	0.96513	0.00058
16.80	0.97146	0.00060
17.00	0.97827	0.00057
17.20	0.98268	0.00061
17.40	0.98764	0.00055
17.60	0.99188	0.00058
17.80	0.99666	0.00060
18.00	1.00026	0.00056
18.20	1.00705	0.00057
18.40	1.01061	0.00057
18.60	1.01540	0.00057
18.80	1.01941	0.00058
19.00	1.02224	0.00057

4000		
16.50	0.93761	0.00058
16.60	0.94008	0.00058
16.70	0.94215	0.00060
16.80	0.94455	0.00060
16.90	0.94810	0.00059
17.00	0.95026	0.00060
17.10	0.95372	0.00059
17.20	0.95682	0.00059
17.30	0.95897	0.00059
17.40	0.96118	0.00060
17.50	0.96370	0.00061
17.60	0.96658	0.00057
17.70	0.96806	0.00060
17.80	0.97050	0.00055
17.90	0.97293	0.00057
18.00	0.97554	0.00058
18.10	0.97909	0.00060
18.20	0.98075	0.00056
18.30	0.98305	0.00058
18.40	0.98715	0.00060
18.50	0.98811	0.00060
18.60	0.98913	0.00058
18.70	0.99217	0.00059
18.80	0.99438	0.00057
18.90	0.99653	0.00057
19.00	0.99783	0.00058
19.10	1.00116	0.00059
19.20	1.00320	0.00055

5000		
18.00	0.92897	0.00058
18.20	0.93385	0.00059
18.40	0.93823	0.00055
18.60	0.94210	0.00058
18.80	0.94709	0.00056
19.00	0.95312	0.00057
19.20	0.95715	0.00057
19.40	0.96007	0.00056
19.60	0.96514	0.00056
19.80	0.96832	0.00057
20.00	0.97196	0.00060
20.20	0.97705	0.00056
20.40	0.98013	0.00057
20.60	0.98448	0.00056
20.80	0.98691	0.00058
21.00	0.99165	0.00060
21.20	0.99474	0.00060
21.40	0.99848	0.00058
21.60	1.00138	0.00058
21.80	1.00511	0.00056
22.00	1.00657	0.00054
22.20	1.01135	0.00055
22.40	1.01397	0.00057
22.60	1.01787	0.00059
22.80	1.02010	0.00056
23.00	1.02385	0.00057

6000			7000			7500		
20.00	0.91136	0.00058	26.00	0.92458	0.00054	30.00	0.91978	0.00052
20.25	0.91673	0.00058	26.50	0.93021	0.00051	31.00	0.92640	0.00050
20.50	0.92072	0.00053	27.00	0.93643	0.00055	32.00	0.93247	0.00051
20.75	0.92678	0.00055	27.50	0.94013	0.00051	33.00	0.93958	0.00054
21.00	0.92972	0.00057	28.00	0.94448	0.00052	34.00	0.94531	0.00051
21.25	0.93477	0.00057	28.50	0.95026	0.00053	35.00	0.95039	0.00051
21.50	0.93891	0.00056	29.00	0.95335	0.00051	36.00	0.95611	0.00050
21.75	0.94305	0.00057	29.50	0.95791	0.00052	37.00	0.96106	0.00052
22.00	0.94623	0.00057	30.00	0.96142	0.00051	38.00	0.96460	0.00050
22.25	0.95182	0.00055	30.50	0.96440	0.00052	39.00	0.96936	0.00049
22.50	0.95473	0.00056	31.00	0.96941	0.00055	40.00	0.97330	0.00050
22.75	0.95905	0.00055	31.50	0.97296	0.00054	41.00	0.97653	0.00049
23.00	0.96203	0.00056	32.00	0.97582	0.00053	42.00	0.98048	0.00049
23.25	0.96579	0.00057	32.50	0.98019	0.00051	43.00	0.98402	0.00050
23.50	0.96753	0.00056	33.00	0.98214	0.00052	44.00	0.98667	0.00047
23.75	0.97123	0.00057	33.50	0.98532	0.00052	45.00	0.98856	0.00048
24.00	0.97698	0.00055	34.00	0.98762	0.00051	46.00	0.99228	0.00050
24.25	0.97936	0.00056	34.50	0.99218	0.00053	47.00	0.99404	0.00049
24.50	0.98139	0.00055	35.00	0.99353	0.00052	48.00	0.99577	0.00049
24.75	0.98358	0.00055	35.50	0.99641	0.00049	49.00	0.99949	0.00049
25.00	0.98749	0.00054	36.00	0.99974	0.00050	50.00	1.00127	0.00048
25.25	0.99098	0.00056	36.50	1.00161	0.00050	51.00	1.00338	0.00050
25.50	0.99295	0.00054	37.00	1.00338	0.00051	52.00	1.00464	0.00050
25.75	0.99680	0.00054	37.50	1.00570	0.00050	53.00	1.00729	0.00047
26.00	0.99865	0.00055	38.00	1.00814	0.00050	54.00	1.00910	0.00049
26.25	1.00246	0.00054	38.50	1.01033	0.00048	55.00	1.01041	0.00050
26.50	1.00532	0.00055	39.00	1.01258	0.00051	56.00	1.01198	0.00049
26.75	1.00882	0.00056	39.50	1.01347	0.00050	57.00	1.01288	0.00049
27.00	1.00935	0.00056	40.00	1.01551	0.00053	58.00	1.01462	0.00047
27.25	1.01326	0.00055				59.00	1.01597	0.00046
27.50	1.01497	0.00055				60.00	1.01627	0.00047
27.75	1.01876	0.00055						
28.00	1.01884	0.00053						

8000			9000			10000		
40.00	0.92557	0.00049	999.98	0.90390	0.00043	999.98	0.77870	0.00036
45.00	0.94318	0.00047	999.99	0.90390	0.00043	999.99	0.77870	0.00036
50.00	0.95520	0.00048						
55.00	0.96374	0.00047						
60.00	0.97136	0.00050						
65.00	0.97617	0.00046						
70.00	0.98113	0.00047						
75.00	0.98434	0.00048						
80.00	0.98755	0.00047						
85.00	0.98960	0.00046						
90.00	0.99270	0.00045						
95.00	0.99343	0.00044						
100.00	0.99616	0.00044						
105.00	0.99654	0.00046						
110.00	0.99795	0.00045						
115.00	0.99984	0.00046						
120.00	0.99938	0.00046						
125.00	1.00015	0.00043						
130.00	1.00141	0.00045						

```
sumtable.u5o2-icyl-0025-01
            20                        25                        30
999.98 0.06761 0.00002   999.98 0.08367 0.00002   999.98 0.09934 0.00003
999.99 0.06761 0.00002   999.99 0.08367 0.00002   999.99 0.09934 0.00003

            40                        45                        50
999.98 0.12970 0.00004   999.98 0.14447 0.00004   999.98 0.15889 0.00004
999.99 0.12970 0.00004   999.99 0.14447 0.00004   999.99 0.15889 0.00004

            55                        60                        65
999.98 0.17302 0.00005   999.98 0.18700 0.00005   999.98 0.20051 0.00005
999.99 0.17302 0.00005   999.99 0.18700 0.00005   999.99 0.20051 0.00005

            70                        80                       100
999.98 0.21396 0.00006   999.98 0.24001 0.00006   999.98 0.28936 0.00007
999.99 0.21396 0.00006   999.99 0.24001 0.00006   999.99 0.28936 0.00007

           130                       150                       170
999.98 0.35718 0.00009   999.98 0.39906 0.00010   999.98 0.43776 0.00011
999.99 0.35718 0.00009   999.99 0.39906 0.00010   999.99 0.43776 0.00011

           200                       350                       400
999.98 0.49196 0.00013   999.98 0.70233 0.00017   999.98 0.75644 0.00017
999.99 0.49196 0.00013   999.99 0.70233 0.00017   999.99 0.75644 0.00017

           500                       650                       800
999.98 0.84627 0.00021   999.98 0.94978 0.00022    20.00 0.85695 0.00039
999.99 0.84627 0.00021   999.99 0.94978 0.00022    22.50 0.88402 0.00039
                                                   25.00 0.90559 0.00039
                                                   27.50 0.92319 0.00036
                                                   30.00 0.93648 0.00035
                                                   32.50 0.94863 0.00033
                                                   35.00 0.95748 0.00033
                                                   37.50 0.96426 0.00032
                                                   40.00 0.97103 0.00031
                                                   42.50 0.97645 0.00031
                                                   45.00 0.98223 0.00032
                                                   47.50 0.98517 0.00031
                                                   50.00 0.98864 0.00031
                                                   52.50 0.99219 0.00031
                                                   55.00 0.99520 0.00029
                                                   57.50 0.99712 0.00030
                                                   60.00 0.99943 0.00030
                                                   62.50 1.00235 0.00030
                                                   65.00 1.00302 0.00030
                                                   67.50 1.00492 0.00029
                                                   70.00 1.00612 0.00029
                                                   72.50 1.00768 0.00030
                                                   75.00 1.00856 0.00029
                                                   77.50 1.00963 0.00028
                                                   80.00 1.01118 0.00028
```

900			1000			1200		
25.00	0.94240	0.00038	20.00	0.92059	0.00040	18.00	0.93550	0.00043
25.50	0.94694	0.00036	20.50	0.92703	0.00041	18.25	0.94115	0.00044
26.00	0.94970	0.00035	21.00	0.93374	0.00043	18.50	0.94538	0.00042
26.50	0.95252	0.00036	21.50	0.94029	0.00042	18.75	0.94936	0.00042
27.00	0.95709	0.00035	22.00	0.94479	0.00042	19.00	0.95150	0.00041
27.50	0.96012	0.00037	22.50	0.95079	0.00040	19.25	0.95584	0.00044
28.00	0.96239	0.00035	23.00	0.95512	0.00042	19.50	0.95968	0.00044
28.50	0.96658	0.00035	23.50	0.95956	0.00041	19.75	0.96269	0.00044
29.00	0.96814	0.00036	24.00	0.96426	0.00042	20.00	0.96668	0.00042
29.50	0.97153	0.00035	24.50	0.96939	0.00040	20.25	0.97039	0.00041
30.00	0.97399	0.00034	25.00	0.97252	0.00041	20.50	0.97371	0.00043
30.50	0.97654	0.00034	25.50	0.97676	0.00040	20.75	0.97645	0.00043
31.00	0.97855	0.00035	26.00	0.98111	0.00040	21.00	0.98043	0.00041
31.50	0.98101	0.00035	26.50	0.98434	0.00040	21.25	0.98347	0.00041
32.00	0.98335	0.00034	27.00	0.98792	0.00037	21.50	0.98551	0.00042
32.50	0.98571	0.00035	27.50	0.99115	0.00038	21.75	0.98898	0.00042
33.00	0.98769	0.00035	28.00	0.99409	0.00040	22.00	0.99285	0.00042
33.50	0.98964	0.00033	28.50	0.99722	0.00039	22.25	0.99546	0.00040
34.00	0.99094	0.00035	29.00	1.00037	0.00036	22.50	0.99682	0.00043
34.50	0.99347	0.00032	29.50	1.00309	0.00039	22.75	0.99977	0.00040
35.00	0.99550	0.00034	30.00	1.00594	0.00037	23.00	1.00269	0.00041
35.50	0.99694	0.00033	30.50	1.00843	0.00038	23.25	1.00594	0.00041
36.00	0.99853	0.00035	31.00	1.01028	0.00039	23.50	1.00656	0.00039
36.50	1.00051	0.00035				23.75	1.01033	0.00042
37.00	1.00219	0.00035				24.00	1.01143	0.00042
37.50	1.00329	0.00032						
38.00	1.00502	0.00033						

1500			1700			1900		
15.00	0.91699	0.00049	14.00	0.90881	0.00051	14.00	0.92214	0.00054
15.20	0.92314	0.00051	14.20	0.91563	0.00056	14.20	0.92784	0.00056
15.40	0.92682	0.00052	14.40	0.92132	0.00051	14.40	0.93386	0.00053
15.60	0.93296	0.00050	14.60	0.92499	0.00051	14.60	0.93923	0.00054
15.80	0.93547	0.00051	14.80	0.93164	0.00052	14.80	0.94510	0.00054
16.00	0.94092	0.00049	15.00	0.93727	0.00051	15.00	0.95022	0.00052
16.20	0.94595	0.00052	15.20	0.94227	0.00054	15.20	0.95531	0.00052
16.40	0.95035	0.00052	15.40	0.94720	0.00052	15.40	0.95939	0.00054
16.60	0.95381	0.00052	15.60	0.95132	0.00053	15.60	0.96622	0.00054
16.80	0.95909	0.00049	15.80	0.95643	0.00054	15.80	0.97028	0.00053
17.00	0.96284	0.00050	16.00	0.96146	0.00049	16.00	0.97460	0.00050
17.20	0.96737	0.00050	16.20	0.96489	0.00051	16.20	0.97996	0.00053
17.40	0.97077	0.00048	16.40	0.96987	0.00052	16.40	0.98386	0.00053
17.60	0.97381	0.00049	16.60	0.97372	0.00051	16.60	0.98889	0.00054
17.80	0.97703	0.00048	16.80	0.97855	0.00053	16.80	0.99282	0.00052
18.00	0.98104	0.00049	17.00	0.98182	0.00052	17.00	0.99544	0.00052
18.20	0.98428	0.00049	17.20	0.98661	0.00051	17.20	1.00090	0.00052
18.40	0.98808	0.00048	17.40	0.98998	0.00051	17.40	1.00477	0.00051
18.60	0.99298	0.00048	17.60	0.99444	0.00049	17.60	1.00866	0.00052
18.80	0.99529	0.00050	17.80	0.99811	0.00052	17.80	1.01219	0.00053
19.00	0.99744	0.00050	18.00	1.00209	0.00049	18.00	1.01678	0.00051
19.20	1.00232	0.00049	18.20	1.00533	0.00050	18.20	1.02009	0.00052
						18.40	1.02415	0.00052
						18.60	1.02676	0.00050
						18.80	1.02975	0.00053
						19.00	1.03372	0.00050

2000			2100			2500		
13.90	0.92421	0.00052	13.90	0.92850	0.00057	13.00	0.90882	0.00057
14.10	0.93001	0.00056	14.10	0.93490	0.00055	13.20	0.91613	0.00057
14.30	0.93578	0.00054	14.30	0.94178	0.00053	13.40	0.92319	0.00056
14.50	0.94206	0.00054	14.50	0.94616	0.00055	13.60	0.92852	0.00057
14.70	0.94670	0.00053	14.70	0.95126	0.00054	13.80	0.93386	0.00058
14.90	0.95289	0.00057	14.90	0.95664	0.00055	14.00	0.94027	0.00058
15.10	0.95850	0.00053	15.10	0.96185	0.00058	14.20	0.94762	0.00057
15.30	0.96365	0.00053	15.30	0.96806	0.00052	14.40	0.95406	0.00058
15.50	0.96814	0.00051	15.50	0.97244	0.00055	14.60	0.95798	0.00057
15.70	0.97207	0.00052	15.70	0.97716	0.00054	14.80	0.96472	0.00055
15.90	0.97810	0.00054	15.90	0.98257	0.00053	15.00	0.97026	0.00056
16.10	0.98156	0.00055	16.10	0.98777	0.00055	15.20	0.97449	0.00054
16.30	0.98647	0.00053	16.30	0.99217	0.00053	15.40	0.98063	0.00056
16.50	0.99227	0.00053	16.50	0.99717	0.00052	15.60	0.98487	0.00055
16.70	0.99637	0.00052	16.70	1.00116	0.00055	15.80	0.99000	0.00054
16.90	0.99975	0.00055	16.90	1.00486	0.00052	16.00	0.99606	0.00055
17.10	1.00406	0.00052	17.10	1.00855	0.00054	16.20	0.99983	0.00054
17.30	1.00792	0.00054				16.40	1.00377	0.00056
17.50	1.01264	0.00054				16.60	1.00835	0.00055
17.70	1.01643	0.00052				16.80	1.01266	0.00054
17.90	1.01990	0.00052				17.00	1.01807	0.00054
18.00	1.02179	0.00052						

3000			4000			5000		
13.00	0.90809	0.00056	14.00	0.91664	0.00058	16.40	0.93682	0.00057
13.20	0.91479	0.00058	14.20	0.92250	0.00059	16.60	0.94128	0.00056
13.40	0.92127	0.00058	14.40	0.92718	0.00062	16.80	0.94699	0.00056
13.60	0.92695	0.00058	14.60	0.93506	0.00059	17.00	0.95132	0.00060
13.80	0.93429	0.00058	14.80	0.93967	0.00061	17.20	0.95521	0.00059
14.00	0.94035	0.00056	15.00	0.94603	0.00059	17.40	0.95789	0.00057
14.20	0.94732	0.00056	15.20	0.94955	0.00058	17.60	0.96347	0.00056
14.40	0.95331	0.00056	15.40	0.95641	0.00061	17.80	0.96749	0.00059
14.60	0.95906	0.00058	15.60	0.96121	0.00058	18.00	0.97121	0.00059
14.80	0.96488	0.00058	15.80	0.96596	0.00060	18.20	0.97385	0.00055
15.00	0.96747	0.00055	16.00	0.97165	0.00058	18.40	0.97819	0.00058
15.20	0.97478	0.00056	16.20	0.97671	0.00060	18.60	0.98128	0.00059
15.40	0.97927	0.00059	16.40	0.98178	0.00059	18.80	0.98648	0.00057
15.60	0.98530	0.00057	16.60	0.98633	0.00060	19.00	0.98984	0.00059
15.80	0.99047	0.00056	16.80	0.98994	0.00059	19.20	0.99179	0.00057
16.00	0.99558	0.00058	17.00	0.99514	0.00057	19.40	0.99759	0.00056
16.20	0.99934	0.00058	17.20	1.00056	0.00056	19.60	0.99987	0.00055
16.40	1.00573	0.00058	17.40	1.00292	0.00058	19.80	1.00323	0.00056
16.60	1.00998	0.00056	17.60	1.00739	0.00057	20.00	1.00726	0.00057
16.80	1.01447	0.00058	17.80	1.01172	0.00055			
17.00	1.01718	0.00057	18.00	1.01666	0.00057			

6000			7000			7500		
19.00	0.93054	0.00055	24.00	0.92717	0.00054	30.00	0.93434	0.00053
19.25	0.93460	0.00055	24.50	0.93136	0.00054	31.00	0.94050	0.00050
19.50	0.93970	0.00057	25.00	0.93701	0.00052	32.00	0.94706	0.00051
19.75	0.94285	0.00056	25.50	0.94159	0.00053	33.00	0.95329	0.00050
20.00	0.94765	0.00056	26.00	0.94624	0.00051	34.00	0.95812	0.00049
20.25	0.95058	0.00057	26.50	0.95016	0.00052	35.00	0.96131	0.00051
20.50	0.95467	0.00056	27.00	0.95570	0.00057	36.00	0.96672	0.00048
20.75	0.95880	0.00056	27.50	0.95973	0.00052	37.00	0.96926	0.00050
21.00	0.96224	0.00056	28.00	0.96328	0.00054	38.00	0.97384	0.00048
21.25	0.96593	0.00056	28.50	0.96598	0.00053	39.00	0.97869	0.00051
21.50	0.96938	0.00055	29.00	0.97136	0.00053	40.00	0.98166	0.00050
21.75	0.97275	0.00056	29.50	0.97332	0.00052	41.00	0.98417	0.00048
22.00	0.97609	0.00054	30.00	0.97807	0.00053	42.00	0.98747	0.00050
22.25	0.97837	0.00055	30.50	0.98060	0.00055	43.00	0.99085	0.00050
22.50	0.98170	0.00053	31.00	0.98402	0.00052	44.00	0.99307	0.00050
22.75	0.98504	0.00056	31.50	0.98596	0.00051	45.00	0.99543	0.00047
23.00	0.98936	0.00056	32.00	0.99050	0.00053	46.00	0.99801	0.00048
23.25	0.99039	0.00055	32.50	0.99227	0.00050	47.00	0.99979	0.00049
23.50	0.99377	0.00055	33.00	0.99458	0.00051	48.00	1.00164	0.00052
23.75	0.99698	0.00054	33.50	0.99610	0.00053	49.00	1.00313	0.00048
24.00	1.00039	0.00055	34.00	0.99915	0.00050	50.00	1.00589	0.00049
24.25	1.00226	0.00054	34.50	1.00172	0.00050			
24.50	1.00478	0.00054	35.00	1.00383	0.00051			
24.75	1.00737	0.00054	35.50	1.00564	0.00051			
25.00	1.00942	0.00056	36.00	1.00984	0.00052			
25.25	1.01292	0.00055	36.50	1.01022	0.00052			
25.50	1.01577	0.00055	37.00	1.01290	0.00051			
25.75	1.01766	0.00054						
26.00	1.01906	0.00055						

8000			9000			10000		
40.00	0.93422	0.00049	999.98	0.90390	0.00043	999.98	0.77870	0.00036
45.00	0.94874	0.00048	999.99	0.90390	0.00043	999.99	0.77870	0.00036
50.00	0.95873	0.00047						
55.00	0.96692	0.00046						
60.00	0.97388	0.00047						
65.00	0.97840	0.00046						
70.00	0.98213	0.00047						
75.00	0.98668	0.00046						
80.00	0.98899	0.00049						
85.00	0.99078	0.00047						
90.00	0.99217	0.00046						
95.00	0.99458	0.00046						
100.00	0.99557	0.00045						
105.00	0.99807	0.00046						
110.00	0.99966	0.00045						
115.00	0.99994	0.00047						
120.00	1.00030	0.00046						
125.00	1.00180	0.00044						
130.00	1.00336	0.00045						

```
sumtable.u5o2-icyl-0025-10
            20                        10                        30
999.98 0.06761 0.00002     0.25 0.08367 0.00002   999.98 0.09934 0.00003
999.99 0.06761 0.00002                            999.99 0.09934 0.00003

            40                        45                        50
999.98 0.12970 0.00004   999.98 0.14447 0.00004   999.98 0.15889 0.00004
999.99 0.12970 0.00004   999.99 0.14447 0.00004   999.99 0.15889 0.00004

            55                        60                        65
999.98 0.17302 0.00005   999.98 0.18700 0.00005   999.98 0.20051 0.00005
999.99 0.17302 0.00005   999.99 0.18700 0.00005   999.99 0.20051 0.00005

            70                        80                       100
999.98 0.21396 0.00006   999.98 0.24001 0.00006   999.98 0.28936 0.00007
999.99 0.21396 0.00006   999.99 0.24001 0.00006   999.99 0.28936 0.00007

           130                       150                       170
999.98 0.35718 0.00009   999.98 0.39906 0.00010   999.98 0.43776 0.00011
999.99 0.35718 0.00009   999.99 0.39906 0.00010   999.99 0.43776 0.00011

           200                       350                       400
999.98 0.49196 0.00013   999.98 0.70233 0.00017   999.98 0.75644 0.00017
999.99 0.49196 0.00013   999.99 0.70233 0.00017   999.99 0.75644 0.00017

           500                       650                       800
999.98 0.84627 0.00021   999.98 0.94978 0.00022    20.00 0.87151 0.00036
999.99 0.84627 0.00021   999.99 0.94978 0.00022    22.50 0.89487 0.00035
                                                   25.00 0.91516 0.00036
                                                   27.50 0.93038 0.00034
                                                   30.00 0.94223 0.00035
                                                   32.50 0.95281 0.00033
                                                   35.00 0.96118 0.00033
                                                   37.50 0.96785 0.00033
                                                   40.00 0.97379 0.00032
                                                   42.50 0.97929 0.00030
                                                   45.00 0.98338 0.00030
                                                   47.50 0.98764 0.00031
                                                   50.00 0.99095 0.00032
                                                   52.50 0.99414 0.00030
                                                   55.00 0.99664 0.00030
                                                   57.50 0.99831 0.00029
                                                   60.00 1.00127 0.00029
                                                   62.50 1.00231 0.00030
                                                   65.00 1.00393 0.00028
                                                   67.50 1.00583 0.00029
                                                   70.00 1.00722 0.00030


           900                      1000                      1200
 23.00 0.93618 0.00036    19.00 0.92441 0.00039    16.60 0.93455 0.00043
 23.50 0.93947 0.00036    19.50 0.93064 0.00040    16.80 0.93851 0.00043
 24.00 0.94407 0.00035    20.00 0.93750 0.00040    17.00 0.94171 0.00040
 24.50 0.94765 0.00034    20.50 0.94321 0.00040    17.20 0.94579 0.00041
 25.00 0.95164 0.00033    21.00 0.94852 0.00038    17.40 0.94781 0.00042
 25.50 0.95541 0.00036    21.50 0.95376 0.00038    17.60 0.95112 0.00042
 26.00 0.95801 0.00036    22.00 0.95741 0.00040    17.80 0.95407 0.00041
 26.50 0.96206 0.00034    22.50 0.96321 0.00039    18.00 0.95711 0.00040
 27.00 0.96534 0.00034    23.00 0.96721 0.00038    18.20 0.96057 0.00041
 27.50 0.96664 0.00033    23.50 0.97119 0.00037    18.40 0.96275 0.00040
 28.00 0.97045 0.00034    24.00 0.97554 0.00037    18.60 0.96526 0.00043
 28.50 0.97260 0.00034    24.50 0.97905 0.00039    18.80 0.96899 0.00041
 29.00 0.97514 0.00033    25.00 0.98310 0.00039    19.00 0.97226 0.00040
```

29.50	0.97705	0.00034
30.00	0.98028	0.00034
30.50	0.98229	0.00033
31.00	0.98512	0.00033
31.50	0.98590	0.00033
32.00	0.98852	0.00033
32.50	0.99163	0.00032
33.00	0.99256	0.00034
33.50	0.99434	0.00033
34.00	0.99509	0.00032
34.50	0.99792	0.00032
35.00	0.99963	0.00033
35.50	1.00117	0.00034
36.00	1.00143	0.00032
36.50	1.00371	0.00033
37.00	1.00561	0.00033

25.50	0.98641	0.00038
26.00	0.99005	0.00037
26.50	0.99252	0.00037
27.00	0.99638	0.00038
27.50	0.99851	0.00038
28.00	1.00087	0.00036
28.50	1.00464	0.00038
29.00	1.00767	0.00038
29.50	1.00928	0.00036
30.00	1.01174	0.00038

19.20	0.97424	0.00042
19.40	0.97734	0.00040
19.60	0.97971	0.00041
19.80	0.98271	0.00041
20.00	0.98431	0.00040
20.20	0.98600	0.00041
20.40	0.98924	0.00040
20.60	0.99147	0.00040
20.80	0.99370	0.00040
21.00	0.99551	0.00040
21.20	0.99787	0.00040
21.40	0.99992	0.00040
21.60	1.00228	0.00039
21.80	1.00427	0.00040
22.00	1.00617	0.00040

1500

14.00	0.92728	0.00047
14.20	0.93074	0.00047
14.40	0.93618	0.00048
14.60	0.94017	0.00047
14.80	0.94487	0.00046
15.00	0.94976	0.00047
15.20	0.95441	0.00046
15.40	0.95863	0.00047
15.60	0.96182	0.00048
15.80	0.96647	0.00049
16.00	0.97064	0.00047
16.20	0.97412	0.00047
16.40	0.97688	0.00049
16.60	0.98141	0.00047
16.80	0.98395	0.00046
17.00	0.98787	0.00046
17.20	0.99162	0.00047
17.40	0.99446	0.00047
17.60	0.99919	0.00047
17.80	1.00110	0.00046
18.00	1.00438	0.00045
18.10	1.00584	0.00045

1700

13.00	0.92077	0.00053
13.20	0.92616	0.00050
13.40	0.93145	0.00049
13.60	0.93659	0.00049
13.80	0.94142	0.00049
14.00	0.94676	0.00048
14.20	0.95177	0.00048
14.40	0.95728	0.00050
14.60	0.96100	0.00048
14.80	0.96616	0.00048
15.00	0.97075	0.00049
15.20	0.97464	0.00048
15.40	0.97897	0.00049
15.60	0.98262	0.00049
15.80	0.98689	0.00049
16.00	0.99214	0.00047
16.20	0.99355	0.00049
16.40	0.99891	0.00048
16.60	1.00293	0.00049
16.80	1.00646	0.00048
17.00	1.00925	0.00047
17.10	1.01124	0.00048

1900

12.00	0.90462	0.00051
12.20	0.91107	0.00051
12.40	0.91873	0.00052
12.60	0.92355	0.00050
12.80	0.93027	0.00051
13.00	0.93504	0.00049
13.20	0.94162	0.00051
13.40	0.94561	0.00050
13.60	0.95162	0.00049
13.80	0.95682	0.00050
14.00	0.96239	0.00049
14.20	0.96610	0.00050
14.40	0.97103	0.00051
14.60	0.97649	0.00052
14.80	0.98140	0.00049
15.00	0.98597	0.00052
15.20	0.99037	0.00052
15.40	0.99393	0.00050
15.60	0.99775	0.00050
15.80	1.00230	0.00048
16.00	1.00587	0.00049
16.20	1.00982	0.00049
16.40	1.01458	0.00051
16.60	1.01729	0.00049
16.80	1.02182	0.00048
17.00	1.02508	0.00049

2000

12.00	0.91086	0.00049
12.20	0.91779	0.00052
12.40	0.92417	0.00052
12.60	0.92914	0.00050
12.80	0.93450	0.00052
13.00	0.94104	0.00051
13.20	0.94679	0.00051

2100

12.00	0.91560	0.00054
12.20	0.92244	0.00051
12.40	0.92783	0.00050
12.60	0.93480	0.00051
12.80	0.94019	0.00051
13.00	0.94628	0.00051
13.20	0.95237	0.00052

2500

11.00	0.89406	0.00053
11.20	0.90121	0.00054
11.40	0.90701	0.00054
11.60	0.91366	0.00053
11.80	0.92074	0.00053
12.00	0.92749	0.00052
12.20	0.93421	0.00053

13.40	0.95203	0.00052
13.60	0.95750	0.00052
13.80	0.96300	0.00052
14.00	0.96851	0.00050
14.20	0.97264	0.00049
14.40	0.97703	0.00050
14.60	0.98240	0.00051
14.80	0.98654	0.00051
15.00	0.99130	0.00049
15.20	0.99600	0.00052
15.40	0.99999	0.00048
15.60	1.00405	0.00051
15.80	1.00836	0.00048
16.00	1.01324	0.00050
16.20	1.01655	0.00048
16.40	1.02086	0.00051
16.60	1.02417	0.00053
16.80	1.02670	0.00047
17.00	1.03078	0.00049

13.40	0.95726	0.00050
13.60	0.96199	0.00052
13.80	0.96789	0.00050
14.00	0.97265	0.00054
14.20	0.97745	0.00051
14.40	0.98218	0.00051
14.60	0.98791	0.00050
14.80	0.99185	0.00051
15.00	0.99619	0.00052
15.20	1.00146	0.00049
15.40	1.00542	0.00053
15.60	1.00904	0.00050
15.80	1.01429	0.00052
16.00	1.01757	0.00050
16.20	1.02117	0.00049

12.40	0.94177	0.00054
12.60	0.94638	0.00054
12.80	0.95262	0.00053
13.00	0.95806	0.00054
13.20	0.96327	0.00052
13.40	0.97038	0.00052
13.60	0.97445	0.00050
13.80	0.97909	0.00056
14.00	0.98486	0.00054
14.20	0.98976	0.00051
14.40	0.99473	0.00053
14.60	0.99895	0.00050
14.80	1.00591	0.00053
15.00	1.00788	0.00052
15.20	1.01327	0.00052
15.40	1.01762	0.00051
15.60	1.02176	0.00053
15.80	1.02527	0.00055
16.00	1.02992	0.00052

3000

11.80	0.92418	0.00057
12.00	0.93129	0.00054
12.20	0.93680	0.00054
12.40	0.94314	0.00054
12.60	0.94972	0.00055
12.80	0.95424	0.00054
13.00	0.96081	0.00055
13.20	0.96650	0.00055
13.40	0.97157	0.00055
13.60	0.97741	0.00058
13.80	0.98204	0.00054
14.00	0.98828	0.00053
14.20	0.99309	0.00054
14.40	0.99729	0.00053
14.60	1.00223	0.00053
14.80	1.00740	0.00056
15.00	1.01164	0.00056
15.20	1.01609	0.00054
15.40	1.02107	0.00053
15.60	1.02464	0.00054
15.80	1.02816	0.00056
16.00	1.03207	0.00054

4000

12.00	0.91497	0.00055
12.20	0.92087	0.00054
12.40	0.92638	0.00058
12.60	0.93204	0.00057
12.80	0.94047	0.00057
13.00	0.94338	0.00053
13.20	0.94941	0.00054
13.40	0.95511	0.00053
13.60	0.96037	0.00054
13.80	0.96474	0.00053
14.00	0.96959	0.00054
14.20	0.97548	0.00053
14.40	0.97996	0.00054
14.60	0.98479	0.00056
14.80	0.98862	0.00055
15.00	0.99391	0.00057
15.20	0.99801	0.00054
15.40	1.00290	0.00051
15.60	1.00650	0.00057
15.80	1.01018	0.00056
16.00	1.01473	0.00055
16.20	1.01690	0.00053
16.40	1.02221	0.00056
16.60	1.02499	0.00056
16.80	1.02936	0.00056
17.00	1.03291	0.00056

5000

13.00	0.90839	0.00057
13.25	0.91507	0.00057
13.50	0.92088	0.00054
13.75	0.92798	0.00055
14.00	0.93381	0.00055
14.25	0.93842	0.00055
14.50	0.94439	0.00053
14.75	0.95069	0.00055
15.00	0.95661	0.00054
15.25	0.96166	0.00055
15.50	0.96667	0.00055
15.75	0.97109	0.00054
16.00	0.97640	0.00055
16.25	0.98021	0.00056
16.50	0.98608	0.00057
16.75	0.98964	0.00056
17.00	0.99490	0.00055
17.25	0.99945	0.00054
17.50	1.00287	0.00054
17.75	1.00665	0.00054
18.00	1.00951	0.00054
18.25	1.01355	0.00055
18.50	1.01663	0.00054
18.75	1.02073	0.00055
19.00	1.02466	0.00055
19.25	1.02864	0.00053
19.50	1.03237	0.00053
19.75	1.03560	0.00054
20.00	1.03946	0.00053

6000			7000			7500		
16.00	0.92517	0.00053	20.00	0.91928	0.00051	25.00	0.92563	0.00050
16.25	0.92947	0.00052	20.50	0.92417	0.00052	26.00	0.93223	0.00049
16.50	0.93327	0.00054	21.00	0.92959	0.00050	27.00	0.93963	0.00049
16.75	0.93823	0.00051	21.50	0.93571	0.00052	28.00	0.94498	0.00048
17.00	0.94129	0.00054	22.00	0.93966	0.00052	29.00	0.95038	0.00050
17.25	0.94531	0.00053	22.50	0.94392	0.00052	30.00	0.95393	0.00050
17.50	0.95024	0.00052	23.00	0.94874	0.00052	31.00	0.95985	0.00048
17.75	0.95319	0.00054	23.50	0.95272	0.00053	32.00	0.96408	0.00051
18.00	0.95814	0.00051	24.00	0.95779	0.00051	33.00	0.96955	0.00049
18.25	0.96098	0.00050	24.50	0.96121	0.00050	34.00	0.97210	0.00051
18.50	0.96462	0.00054	25.00	0.96451	0.00052	35.00	0.97646	0.00048
18.75	0.96808	0.00052	25.50	0.96798	0.00052	36.00	0.97988	0.00049
19.00	0.97175	0.00054	26.00	0.97291	0.00049	37.00	0.98329	0.00047
19.25	0.97354	0.00055	26.50	0.97558	0.00051	38.00	0.98645	0.00049
19.50	0.97771	0.00053	27.00	0.97835	0.00051	39.00	0.98887	0.00049
19.75	0.98143	0.00054	27.50	0.98089	0.00051	40.00	0.99185	0.00049
20.00	0.98452	0.00052	28.00	0.98474	0.00051	41.00	0.99368	0.00048
20.25	0.98746	0.00055	28.50	0.98728	0.00051	42.00	0.99600	0.00046
20.50	0.99006	0.00052	29.00	0.99021	0.00052	43.00	0.99906	0.00049
20.75	0.99221	0.00056	29.50	0.99391	0.00048	44.00	1.00078	0.00049
21.00	0.99654	0.00052	30.00	0.99551	0.00051	45.00	1.00274	0.00050
21.25	0.99891	0.00054	30.50	0.99832	0.00050	46.00	1.00437	0.00047
21.50	1.00103	0.00051	31.00	1.00020	0.00050	47.00	1.00714	0.00047
21.75	1.00504	0.00052	31.50	1.00218	0.00050	48.00	1.00866	0.00050
22.00	1.00672	0.00054	32.00	1.00553	0.00050	49.00	1.00959	0.00049
			32.50	1.00747	0.00049	50.00	1.01080	0.00049
			33.00	1.00893	0.00050			
			33.50	1.01211	0.00051			
			34.00	1.01355	0.00051			
			34.50	1.01646	0.00047			
			35.00	1.01767	0.00050			

8000			9000			10000		
35.00	0.93257	0.00049	999.98	0.90390	0.00043	999.98	0.77870	0.00036
37.50	0.94040	0.00047	999.99	0.90390	0.00043	999.99	0.77870	0.00036
40.00	0.94689	0.00048						
42.50	0.95230	0.00046						
45.00	0.95699	0.00048						
47.50	0.96210	0.00046						
50.00	0.96603	0.00048						
52.50	0.96951	0.00047						
55.00	0.97212	0.00047						
57.50	0.97489	0.00046						
60.00	0.97693	0.00046						
62.50	0.97989	0.00047						
65.00	0.98077	0.00047						
67.50	0.98371	0.00046						
70.00	0.98540	0.00046						
72.50	0.98629	0.00046						
75.00	0.98915	0.00045						
77.50	0.98882	0.00045						
80.00	0.99044	0.00045						
82.50	0.99126	0.00047						
85.00	0.99270	0.00045						
87.50	0.99448	0.00047						
90.00	0.99377	0.00045						
92.50	0.99638	0.00045						
95.00	0.99508	0.00042						
97.50	0.99644	0.00046						
100.00	0.99794	0.00044						
102.50	0.99711	0.00044						

```
105.00 0.99820 0.00046
107.50 0.99956 0.00046
110.00 0.99906 0.00045
112.50 1.00014 0.00047
115.00 1.00034 0.00046
117.50 1.00030 0.00046
120.00 1.00157 0.00045
```

```
sumtable.u5o2-icyl-0030-00
            20                        25                        30
999.98 0.08048 0.00002   999.98 0.09934 0.00003   999.98 0.11783 0.00003
999.99 0.08048 0.00002   999.99 0.09934 0.00003   999.99 0.11783 0.00003

            40                        45                        50
999.98 0.15360 0.00004   999.98 0.17064 0.00004   999.98 0.18762 0.00005
999.99 0.15360 0.00004   999.99 0.17064 0.00004   999.99 0.18762 0.00005

            55                        60                        65
999.98 0.20406 0.00005   999.98 0.22010 0.00005   999.98 0.23584 0.00006
999.99 0.20406 0.00005   999.99 0.22010 0.00005   999.99 0.23584 0.00006

            70                        80                       100
999.98 0.25132 0.00007   999.98 0.28116 0.00007   999.98 0.33719 0.00008
999.99 0.25132 0.00007   999.99 0.28116 0.00007   999.99 0.33719 0.00008

           130                       150                       170
999.98 0.41385 0.00010   999.98 0.46015 0.00011   999.98 0.50303 0.00012
999.99 0.41385 0.00010   999.99 0.46015 0.00011   999.99 0.50303 0.00012

           200                       350                       400
999.98 0.56228 0.00013   999.98 0.78614 0.00019   999.98 0.84172 0.00018
999.99 0.56228 0.00013   999.99 0.78614 0.00019   999.99 0.84172 0.00018

           500                       650                       800
999.98 0.93309 0.00022    30.00 0.93622 0.00033    20.00 0.90667 0.00044
999.99 0.93309 0.00022    31.00 0.94253 0.00033    20.50 0.91369 0.00043
                          32.00 0.94667 0.00033    21.00 0.92099 0.00042
                          33.00 0.95204 0.00033    21.50 0.92735 0.00042
                          34.00 0.95651 0.00033    22.00 0.93418 0.00041
                          35.00 0.95988 0.00033    22.50 0.94034 0.00044
                          36.00 0.96349 0.00031    23.00 0.94607 0.00041
                          37.00 0.96684 0.00032    23.50 0.95197 0.00042
                          38.00 0.97011 0.00032    24.00 0.95777 0.00043
                          39.00 0.97286 0.00031    24.50 0.96287 0.00040
                          40.00 0.97595 0.00032    25.00 0.96726 0.00042
                          41.00 0.97860 0.00031    25.50 0.97182 0.00041
                          42.00 0.98149 0.00030    26.00 0.97561 0.00040
                          43.00 0.98281 0.00032    26.50 0.98060 0.00041
                          44.00 0.98508 0.00030    27.00 0.98463 0.00040
                          45.00 0.98763 0.00030    27.50 0.98794 0.00040
                          46.00 0.98910 0.00030    28.00 0.99109 0.00040
                          47.00 0.98985 0.00030    28.50 0.99503 0.00040
                          48.00 0.99243 0.00030    29.00 0.99944 0.00039
                          49.00 0.99445 0.00030    29.50 1.00219 0.00039
                          50.00 0.99593 0.00030    30.00 1.00384 0.00038
                          51.00 0.99672 0.00030    30.50 1.00777 0.00039
                          52.00 0.99845 0.00029    31.00 1.00967 0.00040
                          53.00 1.00016 0.00029    31.50 1.01326 0.00038
                          54.00 1.00120 0.00028    32.00 1.01538 0.00039
                          55.00 1.00231 0.00029
```

900			1000			1200		
20.00	0.93824	0.00043	17.00	0.90642	0.00048	16.00	0.91890	0.00050
20.20	0.94116	0.00041	17.25	0.91166	0.00050	16.05	0.91992	0.00046
20.40	0.94506	0.00043	17.50	0.91812	0.00047	16.10	0.92124	0.00050
20.60	0.94747	0.00043	17.75	0.92212	0.00048	16.15	0.92443	0.00051
20.80	0.95044	0.00041	18.00	0.92817	0.00047	16.20	0.92423	0.00049
21.00	0.95371	0.00042	18.25	0.93307	0.00047	16.25	0.92552	0.00048
21.20	0.95705	0.00042	18.50	0.93755	0.00049	16.30	0.92670	0.00050
21.40	0.96058	0.00043	18.75	0.94344	0.00047	16.35	0.92843	0.00048
21.60	0.96245	0.00042	19.00	0.94747	0.00046	16.40	0.92961	0.00050
21.80	0.96435	0.00041	19.25	0.95267	0.00047	16.45	0.93107	0.00049
22.00	0.96800	0.00041	19.50	0.95641	0.00045	16.50	0.93151	0.00048
22.20	0.96966	0.00041	19.75	0.95999	0.00047	16.55	0.93303	0.00050
22.40	0.97184	0.00041	20.00	0.96469	0.00045	16.60	0.93442	0.00049
22.60	0.97556	0.00041	20.25	0.97141	0.00047	16.65	0.93617	0.00048
22.80	0.97772	0.00041	20.50	0.97390	0.00047	16.70	0.93759	0.00048
23.00	0.98002	0.00040	20.75	0.97786	0.00046	16.75	0.93825	0.00049
23.20	0.98270	0.00039	21.00	0.98133	0.00045	16.80	0.93970	0.00048
23.40	0.98473	0.00043	21.25	0.98418	0.00046	16.85	0.94142	0.00048
23.60	0.98676	0.00043	21.50	0.98935	0.00047	16.90	0.94099	0.00049
23.80	0.98823	0.00041	21.75	0.99251	0.00045	16.95	0.94299	0.00050
24.00	0.99037	0.00041	22.00	0.99536	0.00045	17.00	0.94528	0.00049
24.20	0.99328	0.00041	22.25	0.99856	0.00046	17.05	0.94595	0.00047
24.40	0.99583	0.00040	22.50	1.00100	0.00045	17.10	0.94703	0.00049
24.60	0.99612	0.00042	22.75	1.00491	0.00045	17.15	0.94813	0.00047
24.80	0.99878	0.00040	23.00	1.00789	0.00046	17.20	0.94775	0.00050
25.00	1.00092	0.00040	23.25	1.01110	0.00045	17.25	0.95058	0.00049
25.20	1.00301	0.00041	23.50	1.01347	0.00044	17.30	0.95196	0.00049
25.40	1.00463	0.00039	23.75	1.01638	0.00044	17.35	0.95368	0.00049
			24.00	1.01905	0.00044	17.40	0.95542	0.00049
						17.45	0.95591	0.00047
						17.50	0.95614	0.00048
						17.55	0.95858	0.00049
						17.60	0.95835	0.00051
						17.65	0.95957	0.00048
						17.70	0.96128	0.00048
						17.75	0.96277	0.00047
						17.80	0.96380	0.00048
						17.85	0.96448	0.00048
						17.90	0.96627	0.00048
						17.95	0.96713	0.00049
						18.00	0.96870	0.00047
						18.05	0.96947	0.00048
						18.10	0.96996	0.00048
						18.15	0.97092	0.00047
						18.20	0.97166	0.00046
						18.25	0.97193	0.00050
						18.30	0.97444	0.00048
						18.35	0.97574	0.00049
						18.40	0.97615	0.00047
						18.45	0.97805	0.00047
						18.50	0.97792	0.00048
						18.55	0.97978	0.00047
						18.60	0.98039	0.00049
						18.65	0.98053	0.00047
						18.70	0.98191	0.00048
						18.75	0.98340	0.00048
						18.80	0.98361	0.00048
						18.85	0.98570	0.00049
						18.90	0.98588	0.00047
						18.95	0.98754	0.00047
						19.00	0.98785	0.00047
						19.05	0.98927	0.00047

19.10	0.98954	0.00048
19.15	0.99121	0.00046
19.20	0.99108	0.00048
19.25	0.99349	0.00046
19.30	0.99366	0.00048
19.35	0.99525	0.00048
19.40	0.99671	0.00046
19.45	0.99641	0.00047
19.50	0.99740	0.00047
19.55	1.00021	0.00048
19.60	0.99986	0.00047
19.65	1.00054	0.00049
19.70	1.00011	0.00048
19.75	1.00222	0.00047
19.80	1.00354	0.00046
19.85	1.00375	0.00047
19.90	1.00480	0.00047
19.95	1.00569	0.00047
20.00	1.00798	0.00046

1500

14.90	0.92173	0.00057
15.10	0.92803	0.00054
15.30	0.93453	0.00055
15.50	0.93998	0.00055
15.70	0.94676	0.00055
15.90	0.95284	0.00056
16.10	0.95840	0.00054
16.30	0.96399	0.00053
16.50	0.96898	0.00054
16.70	0.97470	0.00056
16.90	0.98064	0.00053
17.10	0.98434	0.00054
17.30	0.98898	0.00054
17.50	0.99510	0.00053
17.70	1.00037	0.00051
17.90	1.00440	0.00054
18.10	1.00896	0.00056
18.30	1.01301	0.00053
18.50	1.01671	0.00055
18.70	1.02157	0.00052
18.90	1.02621	0.00052
19.00	1.02852	0.00053

1700

14.00	0.90454	0.00056
14.20	0.91245	0.00059
14.40	0.92046	0.00058
14.60	0.92736	0.00056
14.80	0.93312	0.00056
15.00	0.94057	0.00057
15.20	0.94711	0.00055
15.40	0.95328	0.00057
15.60	0.95891	0.00056
15.80	0.96540	0.00056
16.00	0.97081	0.00056
16.20	0.97635	0.00056
16.40	0.98288	0.00055
16.60	0.98711	0.00056
16.80	0.99391	0.00055
17.00	0.99715	0.00059
17.20	1.00371	0.00056
17.40	1.00749	0.00058
17.60	1.01314	0.00056
17.80	1.02010	0.00055
18.00	1.02180	0.00054

1900

14.00	0.91296	0.00057
14.10	0.91822	0.00057
14.20	0.92203	0.00058
14.30	0.92631	0.00058
14.40	0.92928	0.00056
14.50	0.93245	0.00060
14.60	0.93629	0.00059
14.70	0.94004	0.00058
14.80	0.94351	0.00056
14.90	0.94771	0.00058
15.00	0.95040	0.00056
15.10	0.95448	0.00060
15.20	0.95658	0.00059
15.30	0.96171	0.00058
15.40	0.96382	0.00059
15.50	0.96783	0.00057
15.60	0.96904	0.00058
15.70	0.97209	0.00057
15.80	0.97576	0.00057
15.90	0.97961	0.00056
16.00	0.98184	0.00059
16.10	0.98370	0.00055
16.20	0.98814	0.00057
16.30	0.99031	0.00058
16.40	0.99206	0.00059
16.50	0.99514	0.00058
16.60	0.99849	0.00056
16.70	1.00164	0.00059
16.80	1.00446	0.00056
16.90	1.00763	0.00057
17.00	1.00844	0.00056

2000			2100			2500		
14.00	0.91739	0.00059	14.00	0.92130	0.00060	14.00	0.92337	0.00059
14.10	0.92030	0.00059	14.10	0.92486	0.00058	14.10	0.92786	0.00062
14.20	0.92488	0.00059	14.20	0.92798	0.00058	14.20	0.93160	0.00058
14.30	0.92969	0.00059	14.30	0.93218	0.00057	14.30	0.93622	0.00060
14.40	0.93298	0.00059	14.40	0.93518	0.00057	14.40	0.93940	0.00063
14.50	0.93662	0.00057	14.50	0.93838	0.00058	14.50	0.94241	0.00059
14.60	0.94125	0.00058	14.60	0.94251	0.00058	14.60	0.94636	0.00062
14.70	0.94412	0.00060	14.70	0.94579	0.00059	14.70	0.95189	0.00061
14.80	0.94790	0.00057	14.80	0.94974	0.00058	14.80	0.95441	0.00057
14.90	0.94918	0.00059	14.90	0.95271	0.00058	14.90	0.95745	0.00063
15.00	0.95453	0.00057	15.00	0.95751	0.00060	15.00	0.96156	0.00060
15.10	0.95750	0.00056	15.10	0.95957	0.00060	15.10	0.96264	0.00060
15.20	0.96066	0.00058	15.20	0.96322	0.00059	15.20	0.96629	0.00059
15.30	0.96432	0.00057	15.30	0.96713	0.00058	15.30	0.97087	0.00058
15.40	0.96735	0.00059	15.40	0.97006	0.00059	15.40	0.97357	0.00060
15.50	0.96998	0.00059	15.50	0.97235	0.00058	15.50	0.97623	0.00059
15.60	0.97365	0.00058	15.60	0.97619	0.00059	15.60	0.98036	0.00061
15.70	0.97635	0.00058	15.70	0.97903	0.00061	15.70	0.98448	0.00058
15.80	0.97840	0.00060	15.80	0.98258	0.00058	15.80	0.98739	0.00059
15.90	0.98234	0.00058	15.90	0.98611	0.00057	15.90	0.98979	0.00059
16.00	0.98548	0.00055	16.00	0.98886	0.00058	16.00	0.99414	0.00059
16.10	0.98930	0.00058	16.10	0.99172	0.00059	16.10	0.99584	0.00059
16.20	0.99072	0.00059	16.20	0.99446	0.00057	16.20	0.99977	0.00060
16.30	0.99397	0.00057	16.30	0.99829	0.00059	16.30	1.00211	0.00060
16.40	0.99712	0.00057	16.40	0.99854	0.00061	16.40	1.00518	0.00058
16.50	1.00004	0.00058	16.50	1.00407	0.00058	16.50	1.00820	0.00059
16.60	1.00249	0.00058	16.60	1.00675	0.00058	16.60	1.00923	0.00056
16.70	1.00576	0.00059	16.70	1.00850	0.00060	16.70	1.01359	0.00059
16.80	1.00799	0.00055	16.80	1.01133	0.00059	16.80	1.01590	0.00059
16.90	1.01111	0.00055	16.90	1.01320	0.00061	16.90	1.01957	0.00060
17.00	1.01366	0.00060	17.00	1.01695	0.00058	17.00	1.02097	0.00058

3000			4000			5000		
14.00	0.91758	0.00061	15.00	0.92229	0.00065	16.80	0.92842	0.00059
14.20	0.92667	0.00063	15.20	0.92820	0.00061	17.00	0.93216	0.00060
14.40	0.93371	0.00062	15.40	0.93458	0.00062	17.20	0.93790	0.00058
14.60	0.94098	0.00061	15.60	0.94234	0.00063	17.40	0.94370	0.00058
14.80	0.94857	0.00063	15.80	0.94789	0.00063	17.60	0.94971	0.00060
15.00	0.95544	0.00062	16.00	0.95507	0.00063	17.80	0.95390	0.00060
15.20	0.96114	0.00061	16.20	0.95922	0.00060	18.00	0.95966	0.00060
15.40	0.96949	0.00061	16.40	0.96659	0.00062	18.20	0.96323	0.00059
15.60	0.97420	0.00063	16.60	0.97281	0.00062	18.40	0.97021	0.00061
15.80	0.98232	0.00061	16.80	0.97881	0.00059	18.60	0.97522	0.00057
16.00	0.98790	0.00061	17.00	0.98411	0.00064	18.80	0.97902	0.00059
16.20	0.99347	0.00062	17.20	0.98994	0.00061	19.00	0.98247	0.00059
16.40	1.00010	0.00062	17.40	0.99521	0.00060	19.20	0.98654	0.00062
16.60	1.00534	0.00060	17.60	1.00031	0.00059	19.40	0.99301	0.00059
16.80	1.01062	0.00060	17.80	1.00531	0.00061	19.60	0.99682	0.00058
17.00	1.01683	0.00061	18.00	1.01005	0.00058	19.80	1.00050	0.00060
17.20	1.02213	0.00063	18.20	1.01556	0.00060	20.00	1.00433	0.00059
17.40	1.02741	0.00059				20.20	1.00819	0.00061
17.60	1.03173	0.00062				20.40	1.01104	0.00059
17.80	1.03763	0.00061				20.60	1.01567	0.00059
18.00	1.04193	0.00060				20.80	1.01892	0.00060
						21.00	1.02421	0.00056

6000			7000			7500		
19.00	0.91927	0.00059	23.00	0.91567	0.00055	28.00	0.93207	0.00052
19.25	0.92423	0.00058	23.50	0.92096	0.00054	28.50	0.93552	0.00053
19.50	0.92943	0.00058	24.00	0.92907	0.00055	29.00	0.93944	0.00051
19.75	0.93457	0.00055	24.50	0.93559	0.00056	29.50	0.94404	0.00052
20.00	0.93934	0.00059	25.00	0.94177	0.00057	30.00	0.94736	0.00052
20.25	0.94477	0.00059	25.50	0.94833	0.00055	30.50	0.95166	0.00051
20.50	0.94965	0.00059	26.00	0.95414	0.00055	31.00	0.95550	0.00051
20.75	0.95372	0.00061	26.50	0.95941	0.00052	31.50	0.95925	0.00053
21.00	0.95950	0.00057	27.00	0.96365	0.00054	32.00	0.96327	0.00052
21.25	0.96282	0.00057	27.50	0.96941	0.00055	32.50	0.96545	0.00052
21.50	0.96690	0.00057	28.00	0.97412	0.00054	33.00	0.96830	0.00051
21.75	0.97196	0.00056	28.50	0.97801	0.00054	33.50	0.97250	0.00051
22.00	0.97590	0.00056	29.00	0.98323	0.00055	34.00	0.97410	0.00051
22.25	0.97958	0.00058	29.50	0.98639	0.00053	34.50	0.97885	0.00052
22.50	0.98376	0.00058	30.00	0.99126	0.00055	35.00	0.98040	0.00051
22.75	0.98695	0.00057	30.50	0.99388	0.00051	35.50	0.98319	0.00049
23.00	0.99050	0.00057	31.00	0.99779	0.00052	36.00	0.98642	0.00050
23.25	0.99389	0.00058	31.50	1.00202	0.00055	36.50	0.98847	0.00050
23.50	0.99784	0.00057	32.00	1.00592	0.00052	37.00	0.99130	0.00051
23.75	1.00155	0.00056	32.50	1.00763	0.00050	37.50	0.99303	0.00048
24.00	1.00452	0.00055	33.00	1.01195	0.00052	38.00	0.99538	0.00050
24.25	1.00861	0.00058	33.50	1.01419	0.00052	38.50	0.99722	0.00050
24.50	1.01171	0.00057	34.00	1.01796	0.00052	39.00	0.99940	0.00051
24.75	1.01353	0.00056				39.50	1.00242	0.00052
25.00	1.01848	0.00058				40.00	1.00440	0.00049
						40.50	1.00532	0.00050
						41.00	1.00787	0.00052
						41.50	1.00797	0.00050
						42.00	1.01035	0.00051

8000			9000			10000		
30.00	0.90228	0.00050	999.98	0.94077	0.00041	999.98	0.82372	0.00035
32.00	0.91568	0.00050	999.99	0.94077	0.00041	999.99	0.82372	0.00035
34.00	0.92812	0.00051						
36.00	0.93945	0.00049						
38.00	0.94918	0.00050						
40.00	0.95667	0.00048						
42.00	0.96558	0.00048						
44.00	0.97144	0.00048						
46.00	0.97583	0.00048						
48.00	0.98070	0.00049						
50.00	0.98588	0.00049						
52.00	0.98957	0.00050						
54.00	0.99312	0.00047						
56.00	0.99522	0.00049						
58.00	0.99930	0.00049						
60.00	1.00298	0.00046						
62.00	1.00490	0.00047						
64.00	1.00745	0.00049						
66.00	1.00866	0.00048						
68.00	1.01176	0.00046						
70.00	1.01302	0.00047						

sumtable.u5o2-icyl-0030-01

	20			25			30	
999.98	0.08048	0.00002	999.98	0.09934	0.00003	999.98	0.11783	0.00003
999.99	0.08048	0.00002	999.99	0.09934	0.00003	999.99	0.11783	0.00003
	40			45			50	
999.98	0.15360	0.00004	999.98	0.17064	0.00004	999.98	0.18762	0.00005
999.99	0.15360	0.00004	999.99	0.17064	0.00004	999.99	0.18762	0.00005
	55			60			65	
999.98	0.20406	0.00005	999.98	0.22010	0.00005	999.98	0.23584	0.00006
999.99	0.20406	0.00005	999.99	0.22010	0.00005	999.99	0.23584	0.00006
	70			80			100	
999.98	0.25132	0.00007	999.98	0.28116	0.00007	999.98	0.33719	0.00008
999.99	0.25132	0.00007	999.99	0.28116	0.00007	999.99	0.33719	0.00008
	130			150			170	
999.98	0.41385	0.00010	999.98	0.46015	0.00011	999.98	0.50303	0.00012
999.99	0.41385	0.00010	999.99	0.46015	0.00011	999.99	0.50303	0.00012
	200			350			400	
999.98	0.56228	0.00013	999.98	0.78614	0.00019	999.98	0.84172	0.00018
999.99	0.56228	0.00013	999.99	0.78614	0.00019	999.99	0.84172	0.00018
	500			650			800	
999.98	0.93309	0.00022	28.00	0.93413	0.00033	20.00	0.92921	0.00042
999.99	0.93309	0.00022	29.00	0.94010	0.00033	20.50	0.93620	0.00041
			30.00	0.94441	0.00034	21.00	0.94145	0.00043
			31.00	0.95016	0.00033	21.50	0.94705	0.00041
			32.00	0.95311	0.00032	22.00	0.95230	0.00039
			33.00	0.95822	0.00033	22.50	0.95780	0.00040
			34.00	0.96181	0.00032	23.00	0.96343	0.00040
			35.00	0.96553	0.00030	23.50	0.96819	0.00042
			36.00	0.96886	0.00031	24.00	0.97177	0.00040
			37.00	0.97195	0.00031	24.50	0.97692	0.00038
			38.00	0.97433	0.00031	25.00	0.98081	0.00040
			39.00	0.97684	0.00031	25.50	0.98448	0.00041
			40.00	0.97943	0.00030	26.00	0.98918	0.00037
			41.00	0.98225	0.00030	26.50	0.99245	0.00039
			42.00	0.98482	0.00030	27.00	0.99537	0.00040
			43.00	0.98635	0.00031	27.50	0.99905	0.00038
			44.00	0.98821	0.00029	28.00	1.00232	0.00040
			45.00	0.99026	0.00030	28.50	1.00535	0.00038
			46.00	0.99225	0.00028	29.00	1.00788	0.00038
			47.00	0.99439	0.00029	29.50	1.01175	0.00038
			48.00	0.99512	0.00030	30.00	1.01299	0.00037
			49.00	0.99711	0.00029	30.50	1.01647	0.00037
			50.00	0.99777	0.00029	31.00	1.01845	0.00038
			51.00	0.99871	0.00028	31.50	1.02131	0.00037
			52.00	1.00087	0.00028	32.00	1.02336	0.00038
			53.00	1.00157	0.00028	32.50	1.02577	0.00037
			54.00	1.00320	0.00029	33.00	1.02870	0.00036

900			1000			1200		
18.00	0.93142	0.00041	16.00	0.92011	0.00047	14.00	0.90815	0.00048
18.20	0.93396	0.00041	16.25	0.92494	0.00045	14.25	0.91394	0.00048
18.40	0.93780	0.00042	16.50	0.93025	0.00046	14.50	0.92064	0.00048
18.60	0.94166	0.00042	16.75	0.93452	0.00047	14.75	0.92714	0.00047
18.80	0.94307	0.00043	17.00	0.93997	0.00047	15.00	0.93515	0.00047
19.00	0.94688	0.00042	17.25	0.94546	0.00047	15.25	0.94036	0.00047
19.20	0.95073	0.00041	17.50	0.94909	0.00046	15.50	0.94695	0.00047
19.40	0.95378	0.00042	17.75	0.95303	0.00047	15.75	0.95310	0.00046
19.60	0.95666	0.00041	18.00	0.95818	0.00047	16.00	0.95869	0.00049
19.80	0.95942	0.00041	18.25	0.96325	0.00046	16.25	0.96434	0.00048
20.00	0.96203	0.00041	18.50	0.96670	0.00047	16.50	0.97015	0.00047
20.20	0.96507	0.00041	18.75	0.97118	0.00045	16.75	0.97456	0.00048
20.40	0.96796	0.00041	19.00	0.97423	0.00044	17.00	0.97991	0.00045
20.60	0.97008	0.00041	19.25	0.97813	0.00047	17.25	0.98536	0.00045
20.80	0.97153	0.00040	19.50	0.98144	0.00047	17.50	0.99106	0.00047
21.00	0.97529	0.00042	19.75	0.98585	0.00044	17.75	0.99564	0.00048
21.20	0.97782	0.00041	20.00	0.98903	0.00046	18.00	0.99951	0.00047
21.40	0.98005	0.00040	20.25	0.99302	0.00045	18.25	1.00415	0.00046
21.60	0.98209	0.00038	20.50	0.99609	0.00045	18.50	1.00890	0.00048
21.80	0.98442	0.00041	20.75	0.99963	0.00045	18.75	1.01243	0.00046
22.00	0.98683	0.00040	21.00	1.00273	0.00046	19.00	1.01624	0.00044
22.20	0.98939	0.00040	21.25	1.00654	0.00045	19.25	1.02116	0.00045
22.40	0.99150	0.00040	21.50	1.00923	0.00042	19.50	1.02493	0.00045
22.60	0.99248	0.00041	21.75	1.01208	0.00043	19.75	1.02910	0.00046
22.80	0.99562	0.00040	22.00	1.01458	0.00043	20.00	1.03179	0.00047
23.00	0.99723	0.00040						
23.20	0.99966	0.00041						
23.40	1.00101	0.00040						
23.60	1.00274	0.00041						
23.80	1.00533	0.00041						
24.00	1.00694	0.00039						

1500			1700			1900		
13.70	0.93477	0.00055	12.80	0.92158	0.00055	12.80	0.93002	0.00056
13.90	0.94233	0.00055	13.00	0.92735	0.00055	12.90	0.93541	0.00056
14.10	0.94883	0.00053	13.20	0.93405	0.00055	13.00	0.93942	0.00058
14.30	0.95374	0.00053	13.40	0.94127	0.00056	13.10	0.94233	0.00056
14.50	0.95771	0.00055	13.60	0.94888	0.00054	13.20	0.94645	0.00058
14.70	0.96573	0.00053	13.80	0.95527	0.00056	13.30	0.94869	0.00056
14.90	0.97055	0.00054	14.00	0.96120	0.00053	13.40	0.95199	0.00057
15.10	0.97679	0.00052	14.20	0.96588	0.00054	13.50	0.95577	0.00056
15.30	0.97966	0.00054	14.40	0.97111	0.00055	13.60	0.95929	0.00058
15.50	0.98635	0.00054	14.60	0.97815	0.00056	13.70	0.96168	0.00057
15.70	0.99144	0.00054	14.80	0.98441	0.00056	13.80	0.96522	0.00055
15.90	0.99644	0.00054	15.00	0.99000	0.00055	13.90	0.96916	0.00059
16.10	0.99997	0.00053	15.20	0.99491	0.00053	14.00	0.97133	0.00056
16.30	1.00553	0.00050	15.40	0.99990	0.00054	14.10	0.97605	0.00057
16.50	1.00978	0.00051	15.60	1.00460	0.00055	14.20	0.97768	0.00057
16.70	1.01309	0.00053	15.80	1.01068	0.00055	14.30	0.98159	0.00056
16.90	1.01745	0.00055	16.00	1.01524	0.00054	14.40	0.98344	0.00055
17.00	1.02006	0.00050	16.20	1.02078	0.00053	14.50	0.98543	0.00056
						14.60	0.98941	0.00058
						14.70	0.99185	0.00057
						14.80	0.99521	0.00055
						14.90	0.99821	0.00055
						15.00	0.99940	0.00056
						15.10	1.00290	0.00054
						15.20	1.00628	0.00055

2000			2100			2500		
12.00	0.90454	0.00056	12.00	0.90799	0.00057	12.00	0.91195	0.00062
12.10	0.90792	0.00053	12.10	0.91060	0.00060	12.20	0.91977	0.00061
12.20	0.91236	0.00056	12.20	0.91604	0.00059	12.40	0.92712	0.00059
12.30	0.91666	0.00057	12.30	0.91961	0.00058	12.60	0.93643	0.00059
12.40	0.92075	0.00057	12.40	0.92320	0.00057	12.80	0.94416	0.00060
12.50	0.92400	0.00057	12.50	0.92794	0.00060	13.00	0.94951	0.00059
12.60	0.92818	0.00058	12.60	0.93149	0.00060	13.20	0.95691	0.00058
12.70	0.93185	0.00055	12.70	0.93549	0.00058	13.40	0.96421	0.00059
12.80	0.93606	0.00058	12.80	0.93800	0.00058	13.60	0.96989	0.00059
12.90	0.93858	0.00057	12.90	0.94235	0.00059	13.80	0.97788	0.00057
13.00	0.94287	0.00059	13.00	0.94466	0.00055	14.00	0.98345	0.00061
13.10	0.94589	0.00057	13.10	0.94912	0.00060	14.20	0.98930	0.00058
13.20	0.94853	0.00055	13.20	0.95237	0.00058	14.40	0.99596	0.00062
13.30	0.95229	0.00055	13.30	0.95676	0.00059	14.60	1.00296	0.00057
13.40	0.95663	0.00058	13.40	0.95854	0.00056	14.80	1.00844	0.00058
13.50	0.95844	0.00057	13.50	0.96336	0.00059	15.00	1.01385	0.00057
13.60	0.96291	0.00058	13.60	0.96597	0.00055	15.20	1.01980	0.00057
13.70	0.96660	0.00058	13.70	0.96810	0.00056	15.40	1.02310	0.00056
13.80	0.96955	0.00060	13.80	0.97197	0.00056	15.60	1.02932	0.00058
13.90	0.97215	0.00058	13.90	0.97403	0.00058	15.80	1.03488	0.00057
14.00	0.97515	0.00059	14.00	0.97900	0.00057	16.00	1.03901	0.00056
14.10	0.97851	0.00057	14.10	0.98160	0.00058			
14.20	0.98078	0.00059	14.20	0.98349	0.00059			
14.30	0.98496	0.00058	14.30	0.98820	0.00056			
14.40	0.98781	0.00057	14.40	0.99048	0.00059			
14.50	0.99048	0.00058	14.50	0.99350	0.00057			
14.60	0.99281	0.00058	14.60	0.99693	0.00057			
14.70	0.99586	0.00054	14.70	1.00007	0.00058			
14.80	0.99895	0.00054	14.80	1.00184	0.00057			
14.90	1.00210	0.00059	14.90	1.00397	0.00057			
15.00	1.00403	0.00058	15.00	1.00849	0.00055			
15.10	1.00853	0.00057	15.10	1.01036	0.00057			
15.20	1.00991	0.00056						
15.30	1.01324	0.00057						
15.40	1.01527	0.00058						

3000			4000			5000		
12.00	0.90710	0.00061	13.00	0.91545	0.00062	14.00	0.90052	0.00061
12.10	0.91194	0.00060	13.20	0.92272	0.00060	14.25	0.90946	0.00060
12.20	0.91533	0.00062	13.40	0.93112	0.00060	14.50	0.91746	0.00058
12.30	0.91984	0.00060	13.60	0.93667	0.00060	14.75	0.92391	0.00061
12.40	0.92395	0.00061	13.80	0.94328	0.00060	15.00	0.93065	0.00059
12.50	0.92635	0.00060	14.00	0.94897	0.00061	15.25	0.93830	0.00058
12.60	0.93093	0.00058	14.20	0.95608	0.00060	15.50	0.94372	0.00059
12.70	0.93390	0.00060	14.40	0.96126	0.00062	15.75	0.95158	0.00060
12.80	0.93905	0.00059	14.60	0.96783	0.00063	16.00	0.95608	0.00057
12.90	0.94222	0.00060	14.80	0.97485	0.00061	16.25	0.96485	0.00064
13.00	0.94593	0.00062	15.00	0.97846	0.00059	16.50	0.96895	0.00058
13.10	0.94973	0.00064	15.20	0.98460	0.00061	16.75	0.97487	0.00056
13.20	0.95324	0.00060	15.40	0.99106	0.00059	17.00	0.98138	0.00058
13.30	0.95676	0.00061	15.60	0.99523	0.00059	17.25	0.98686	0.00059
13.40	0.96063	0.00059	15.80	1.00069	0.00058	17.50	0.99101	0.00060
13.50	0.96249	0.00060	16.00	1.00517	0.00060	17.75	0.99626	0.00057
13.60	0.96721	0.00064	16.20	1.01039	0.00059	18.00	1.00251	0.00060
13.70	0.96956	0.00062	16.40	1.01494	0.00061	18.25	1.00559	0.00061
13.80	0.97391	0.00059	16.60	1.02061	0.00061	18.50	1.01143	0.00060
13.90	0.97671	0.00058	16.80	1.02531	0.00060	18.75	1.01624	0.00058
14.00	0.97786	0.00060	17.00	1.02818	0.00062	19.00	1.02084	0.00061

14.10	0.98229	0.00061
14.20	0.98588	0.00060
14.30	0.98937	0.00061
14.40	0.99156	0.00059
14.50	0.99538	0.00059
14.60	0.99866	0.00061
14.70	1.00071	0.00058
14.80	1.00446	0.00059
14.90	1.00610	0.00059
15.00	1.00908	0.00059
15.10	1.01291	0.00057
15.20	1.01498	0.00062
19.25	1.02594	0.00059
19.50	1.02987	0.00060
19.75	1.03353	0.00056
20.00	1.03798	0.00058

6000			7000			7500		
17.00	0.91862	0.00057	20.00	0.90304	0.00056	26.50	0.93753	0.00053
17.25	0.92367	0.00057	20.50	0.91026	0.00056	27.00	0.94217	0.00055
17.50	0.93001	0.00058	21.00	0.91775	0.00053	27.50	0.94578	0.00051
17.75	0.93472	0.00057	21.50	0.92408	0.00055	28.00	0.95000	0.00054
18.00	0.93956	0.00058	22.00	0.93118	0.00054	28.50	0.95449	0.00052
18.25	0.94505	0.00058	22.50	0.93811	0.00057	29.00	0.95698	0.00053
18.50	0.95120	0.00062	23.00	0.94418	0.00053	29.50	0.96088	0.00054
18.75	0.95484	0.00061	23.50	0.94981	0.00054	30.00	0.96345	0.00050
19.00	0.95878	0.00057	24.00	0.95548	0.00057	30.50	0.96709	0.00053
19.25	0.96295	0.00058	24.50	0.95932	0.00054	31.00	0.97036	0.00052
19.50	0.97003	0.00060	25.00	0.96446	0.00054	31.50	0.97453	0.00053
19.75	0.97246	0.00059	25.50	0.97054	0.00055	32.00	0.97738	0.00053
20.00	0.97625	0.00056	26.00	0.97427	0.00055	32.50	0.97871	0.00050
20.25	0.97960	0.00059	26.50	0.97856	0.00054	33.00	0.98100	0.00051
20.50	0.98379	0.00057	27.00	0.98395	0.00054	33.50	0.98517	0.00053
20.75	0.98736	0.00058	27.50	0.98681	0.00053	34.00	0.98552	0.00052
21.00	0.99100	0.00056	28.00	0.99183	0.00055	34.50	0.98945	0.00051
21.25	0.99414	0.00059	28.50	0.99524	0.00051	35.00	0.99181	0.00050
21.50	0.99754	0.00059	29.00	0.99904	0.00054	35.50	0.99446	0.00050
21.75	1.00145	0.00055	29.50	1.00377	0.00054	36.00	0.99464	0.00051
22.00	1.00506	0.00056	30.00	1.00637	0.00052	36.50	0.99876	0.00049
22.25	1.00864	0.00054	30.50	1.01054	0.00054	37.00	1.00045	0.00051
22.50	1.01157	0.00058	31.00	1.01229	0.00053	37.50	1.00245	0.00050
22.75	1.01434	0.00059						
23.00	1.01770	0.00057						

8000			9000			10000		
33.00	0.93651	0.00052	999.98	0.94077	0.00041	999.98	0.82372	0.00035
34.00	0.94189	0.00049	999.99	0.94077	0.00041	999.99	0.82372	0.00035
35.00	0.94537	0.00050						
36.00	0.95075	0.00048						
37.00	0.95411	0.00049						
38.00	0.95892	0.00051						
39.00	0.96342	0.00048						
40.00	0.96524	0.00047						
41.00	0.96865	0.00048						
42.00	0.97101	0.00049						
43.00	0.97327	0.00048						
44.00	0.97756	0.00049						

```
 45.00 0.97949 0.00050
 46.00 0.98252 0.00049
 47.00 0.98396 0.00050
 48.00 0.98586 0.00049
 49.00 0.98879 0.00049
 50.00 0.99121 0.00049
 51.00 0.99278 0.00047
 52.00 0.99459 0.00049
 53.00 0.99540 0.00048
 54.00 0.99716 0.00047
 55.00 0.99845 0.00048
 56.00 1.00103 0.00049
 57.00 1.00081 0.00047
```

```
sumtable.u5o2-icyl-0030-10
            20                        25                        30
999.98 0.08048 0.00002   999.98 0.09934 0.00003   999.98 0.11783 0.00003
999.99 0.08048 0.00002   999.99 0.09934 0.00003   999.99 0.11783 0.00003

            40                        45                        50
999.98 0.15360 0.00004   999.98 0.17064 0.00004   999.98 0.18762 0.00005
999.99 0.15360 0.00004   999.99 0.17064 0.00004   999.99 0.18762 0.00005

            55                        60                        65
999.98 0.20406 0.00005   999.98 0.22010 0.00005   999.98 0.23584 0.00006
999.99 0.20406 0.00005   999.99 0.22010 0.00005   999.99 0.23584 0.00006

            70                        80                       100
999.98 0.25132 0.00007   999.98 0.28116 0.00007   999.98 0.33719 0.00008
999.99 0.25132 0.00007   999.99 0.28116 0.00007   999.99 0.33719 0.00008

           130                       150                       170
999.98 0.41385 0.00010   999.96 0.46015 0.00011   999.98 0.50303 0.00012
999.99 0.41385 0.00010   999.97 0.46015 0.00011   999.99 0.50303 0.00012
                         999.98 0.46015 0.00011
                         999.99 0.46015 0.00011

           200                       350                       400
999.98 0.56228 0.00013   999.98 0.78614 0.00019   999.98 0.84172 0.00018
999.99 0.56228 0.00013   999.99 0.78614 0.00019   999.99 0.84172 0.00018

           500                       650                       800
999.98 0.93309 0.00022    27.00 0.93549 0.00033    18.00 0.91850 0.00040
999.99 0.93309 0.00022    28.00 0.94026 0.00032    18.50 0.92593 0.00039
                          29.00 0.94547 0.00031    19.00 0.93183 0.00040
                          30.00 0.95070 0.00032    19.50 0.93819 0.00040
                          31.00 0.95575 0.00032    20.00 0.94468 0.00040
                          32.00 0.95878 0.00032    20.50 0.94977 0.00041
                          33.00 0.96217 0.00032    21.00 0.95587 0.00038
                          34.00 0.96702 0.00031    21.50 0.96035 0.00040
                          35.00 0.96947 0.00030    22.00 0.96643 0.00041
                          36.00 0.97267 0.00031    22.50 0.97032 0.00040
                          37.00 0.97498 0.00030    23.00 0.97461 0.00039
                          38.00 0.97830 0.00030    23.50 0.97833 0.00037
                          39.00 0.97990 0.00030    24.00 0.98282 0.00038
                          40.00 0.98325 0.00029    24.50 0.98850 0.00038
                          41.00 0.98570 0.00030    25.00 0.99080 0.00036
                          42.00 0.98730 0.00029    25.50 0.99443 0.00037
```

43.00	0.98891	0.00029
44.00	0.99091	0.00030
45.00	0.99254	0.00028
46.00	0.99372	0.00029
47.00	0.99587	0.00028
48.00	0.99652	0.00029
49.00	0.99839	0.00028
50.00	0.99984	0.00028
51.00	1.00155	0.00028
52.00	1.00244	0.00027

26.00	0.99782	0.00037
26.50	1.00094	0.00036
27.00	1.00394	0.00039
27.50	1.00691	0.00036
28.00	1.00988	0.00038
28.50	1.01310	0.00038
29.00	1.01470	0.00037
29.50	1.01717	0.00036
30.00	1.01999	0.00036

900

15.00	0.89817	0.00041
15.25	0.90389	0.00041
15.50	0.90917	0.00042
15.75	0.91382	0.00040
16.00	0.91820	0.00041
16.25	0.92323	0.00041
16.50	0.92733	0.00040
16.75	0.93146	0.00039
17.00	0.93628	0.00039
17.25	0.94080	0.00040
17.50	0.94433	0.00039
17.75	0.94825	0.00040
18.00	0.95172	0.00040
18.25	0.95548	0.00039
18.50	0.95864	0.00040
18.75	0.96226	0.00039
19.00	0.96523	0.00038
19.25	0.96860	0.00040
19.50	0.97131	0.00038
19.75	0.97584	0.00040
20.00	0.97740	0.00038
20.25	0.98191	0.00038
20.50	0.98449	0.00040
20.75	0.98709	0.00037
21.00	0.98959	0.00037
21.25	0.99312	0.00039
21.50	0.99522	0.00037
21.75	0.99809	0.00039
22.00	1.00086	0.00040

1000

14.00	0.90276	0.00045
14.25	0.90807	0.00045
14.50	0.91415	0.00046
14.75	0.91923	0.00046
15.00	0.92533	0.00044
15.25	0.93080	0.00045
15.50	0.93696	0.00046
15.75	0.94002	0.00044
16.00	0.94513	0.00042
16.25	0.95063	0.00044
16.50	0.95436	0.00047
16.75	0.95886	0.00045
17.00	0.96382	0.00044
17.25	0.96764	0.00044
17.50	0.97195	0.00043
17.75	0.97571	0.00044
18.00	0.97872	0.00046
18.25	0.98270	0.00042
18.50	0.98759	0.00043
18.75	0.99139	0.00044
19.00	0.99393	0.00042
19.25	0.99709	0.00042
19.50	1.00074	0.00041
19.75	1.00440	0.00044
20.00	1.00708	0.00041

1200

13.80	0.93901	0.00045
13.90	0.93977	0.00045
14.00	0.94263	0.00047
14.10	0.94535	0.00044
14.20	0.94825	0.00045
14.30	0.95022	0.00044
14.40	0.95257	0.00044
14.50	0.95477	0.00044
14.60	0.95765	0.00045
14.70	0.95919	0.00045
14.80	0.96191	0.00045
14.90	0.96467	0.00045
15.00	0.96590	0.00044
15.10	0.96896	0.00046
15.20	0.97098	0.00045
15.30	0.97189	0.00041
15.40	0.97490	0.00046
15.50	0.97768	0.00044
15.60	0.97888	0.00044
15.70	0.98234	0.00045
15.80	0.98259	0.00045
15.90	0.98513	0.00046
16.00	0.98777	0.00045
16.10	0.99001	0.00045
16.20	0.99151	0.00044
16.30	0.99281	0.00044
16.40	0.99599	0.00046
16.50	0.99645	0.00044
16.60	0.99885	0.00046
16.70	1.00035	0.00044
16.80	1.00251	0.00044
16.90	1.00478	0.00044
17.00	1.00647	0.00044

1500			1700			1900		
11.90	0.92207	0.00050	11.60	0.92858	0.00052	11.00	0.91875	0.00053
12.10	0.92930	0.00050	11.70	0.93195	0.00053	11.20	0.92689	0.00052
12.30	0.93513	0.00051	11.80	0.93642	0.00052	11.40	0.93468	0.00055
12.50	0.94059	0.00050	11.90	0.93887	0.00051	11.60	0.94189	0.00053
12.70	0.94654	0.00051	12.00	0.94231	0.00053	11.80	0.94875	0.00054
12.90	0.95353	0.00050	12.10	0.94623	0.00054	12.00	0.95472	0.00053
13.10	0.95921	0.00050	12.20	0.94958	0.00051	12.20	0.96191	0.00054
13.30	0.96415	0.00051	12.30	0.95184	0.00053	12.40	0.96776	0.00050
13.50	0.97078	0.00051	12.40	0.95478	0.00051	12.60	0.97373	0.00053
13.70	0.97508	0.00051	12.50	0.95835	0.00053	12.80	0.97955	0.00053
13.90	0.98185	0.00050	12.60	0.96096	0.00054	13.00	0.98677	0.00056
14.10	0.98650	0.00050	12.70	0.96459	0.00051	13.20	0.99191	0.00055
14.30	0.99177	0.00051	12.80	0.96743	0.00052	13.40	0.99805	0.00054
14.50	0.99562	0.00050	12.90	0.97086	0.00053	13.60	1.00398	0.00053
14.70	1.00036	0.00050	13.00	0.97404	0.00052	13.80	1.00897	0.00055
14.90	1.00507	0.00052	13.10	0.97742	0.00050	14.00	1.01336	0.00053
15.10	1.00884	0.00050	13.20	0.97949	0.00052	14.10	1.01623	0.00051
15.30	1.01391	0.00048	13.30	0.98323	0.00053			
15.50	1.01845	0.00050	13.40	0.98512	0.00052			
15.70	1.02244	0.00049	13.50	0.98748	0.00052			
15.90	1.02722	0.00050	13.60	0.99126	0.00053			
16.00	1.02828	0.00051	13.70	0.99446	0.00051			
			13.80	0.99590	0.00053			
			13.90	0.99880	0.00053			
			14.00	1.00137	0.00052			
			14.10	1.00373	0.00053			
			14.20	1.00591	0.00052			
			14.30	1.00899	0.00051			

2000			2100			2500		
11.00	0.92339	0.00054	10.90	0.92322	0.00054	10.70	0.92441	0.00055
11.10	0.92696	0.00055	11.00	0.92675	0.00051	10.80	0.92879	0.00053
11.20	0.93176	0.00055	11.10	0.93075	0.00054	10.90	0.93207	0.00057
11.30	0.93539	0.00056	11.20	0.93522	0.00052	11.00	0.93552	0.00056
11.40	0.93913	0.00054	11.30	0.93969	0.00056	11.10	0.93929	0.00056
11.50	0.94240	0.00053	11.40	0.94239	0.00053	11.20	0.94265	0.00055
11.60	0.94576	0.00053	11.50	0.94531	0.00055	11.30	0.94620	0.00055
11.70	0.94900	0.00055	11.60	0.94883	0.00055	11.40	0.94968	0.00055
11.80	0.95299	0.00053	11.70	0.95272	0.00052	11.50	0.95385	0.00056
11.90	0.95660	0.00054	11.80	0.95678	0.00054	11.60	0.95769	0.00055
12.00	0.95970	0.00053	11.90	0.96064	0.00055	11.70	0.95999	0.00057
12.10	0.96301	0.00054	12.00	0.96335	0.00053	11.80	0.96452	0.00057
12.20	0.96638	0.00053	12.10	0.96619	0.00054	11.90	0.96727	0.00055
12.30	0.96905	0.00056	12.20	0.97037	0.00054	12.00	0.97103	0.00057
12.40	0.97150	0.00052	12.30	0.97278	0.00055	12.10	0.97456	0.00054
12.50	0.97586	0.00055	12.40	0.97582	0.00055	12.20	0.97889	0.00055
12.60	0.97857	0.00055	12.50	0.98023	0.00051	12.30	0.98048	0.00056
12.70	0.98154	0.00054	12.60	0.98259	0.00054	12.40	0.98467	0.00058
12.80	0.98412	0.00055	12.70	0.98615	0.00053	12.50	0.98716	0.00054
12.90	0.98841	0.00055	12.80	0.98842	0.00055	12.60	0.99097	0.00052
13.00	0.99054	0.00055	12.90	0.99201	0.00054	12.70	0.99372	0.00056
13.10	0.99398	0.00055	13.00	0.99416	0.00052	12.80	0.99617	0.00057
13.20	0.99619	0.00053	13.10	0.99649	0.00055	12.90	0.99867	0.00055
13.30	1.00013	0.00055	13.20	1.00128	0.00055	13.00	1.00250	0.00055
13.40	1.00379	0.00054	13.30	1.00266	0.00052	13.10	1.00491	0.00055
13.50	1.00474	0.00053	13.40	1.00548	0.00056	13.20	1.00845	0.00055
13.60	1.00785	0.00055	13.50	1.00796	0.00054	13.30	1.01136	0.00055
13.70	1.01057	0.00051	13.60	1.01146	0.00054	13.40	1.01433	0.00055
13.80	1.01269	0.00053	13.70	1.01497	0.00054			
13.90	1.01532	0.00053	13.80	1.01655	0.00056			
14.00	1.01922	0.00054	13.90	1.01874	0.00054			
			14.00	1.02214	0.00053			

3000			4000			5000		
10.70	0.92273	0.00056	11.00	0.91475	0.00056	12.00	0.91082	0.00056
10.90	0.93172	0.00055	11.20	0.92185	0.00055	12.20	0.91599	0.00057
11.10	0.93844	0.00055	11.40	0.92818	0.00054	12.40	0.92215	0.00060
11.30	0.94656	0.00056	11.60	0.93531	0.00058	12.60	0.92676	0.00057
11.50	0.95444	0.00055	11.80	0.94262	0.00057	12.80	0.93192	0.00056
11.70	0.96100	0.00055	12.00	0.94904	0.00057	13.00	0.93820	0.00056
11.90	0.96707	0.00055	12.20	0.95504	0.00056	13.20	0.94455	0.00056
12.10	0.97471	0.00055	12.40	0.96191	0.00056	13.40	0.94873	0.00055
12.30	0.98105	0.00055	12.60	0.96718	0.00055	13.60	0.95441	0.00056
12.50	0.98662	0.00055	12.80	0.97271	0.00058	13.80	0.96036	0.00056
12.70	0.99328	0.00053	13.00	0.97793	0.00056	14.00	0.96379	0.00058
12.90	0.99982	0.00059	13.20	0.98488	0.00056	14.20	0.96947	0.00055
13.10	1.00466	0.00054	13.40	0.98982	0.00056	14.40	0.97278	0.00057
13.30	1.00985	0.00057	13.60	0.99444	0.00056	14.60	0.97759	0.00055
13.50	1.01521	0.00056	13.80	1.00095	0.00058	14.80	0.98403	0.00056
13.70	1.02228	0.00055	14.00	1.00483	0.00059	15.00	0.98744	0.00057
13.90	1.02593	0.00056	14.20	1.00931	0.00055	15.20	0.99248	0.00055
14.00	1.02973	0.00055	14.40	1.01500	0.00059	15.40	0.99570	0.00057
			14.60	1.01977	0.00059	15.60	1.00113	0.00056
			14.80	1.02356	0.00057	15.80	1.00364	0.00056
			15.00	1.02919	0.00058	16.00	1.00785	0.00056
			15.20	1.03427	0.00056	16.20	1.01175	0.00056
						16.40	1.01452	0.00057
						16.60	1.01846	0.00057
						16.80	1.02325	0.00056
						17.00	1.02605	0.00057

6000			7000			7500		
14.00	0.91205	0.00055	19.50	0.93948	0.00054	23.00	0.93834	0.00049
14.25	0.91736	0.00056	19.75	0.94265	0.00054	23.50	0.94380	0.00050
14.50	0.92357	0.00054	20.00	0.94706	0.00054	24.00	0.94632	0.00052
14.75	0.92840	0.00055	20.25	0.95023	0.00050	24.50	0.95238	0.00050
15.00	0.93376	0.00053	20.50	0.95196	0.00050	25.00	0.95475	0.00049
15.25	0.93861	0.00052	20.75	0.95561	0.00053	25.50	0.95795	0.00054
15.50	0.94330	0.00055	21.00	0.95879	0.00054	26.00	0.96166	0.00050
15.75	0.94891	0.00055	21.25	0.96050	0.00052	26.50	0.96515	0.00051
16.00	0.95329	0.00056	21.50	0.96352	0.00053	27.00	0.96873	0.00050
16.25	0.95721	0.00057	21.75	0.96534	0.00052	27.50	0.97204	0.00049
16.50	0.96293	0.00056	22.00	0.96877	0.00054	28.00	0.97477	0.00052
16.75	0.96652	0.00056	22.25	0.96950	0.00053	28.50	0.97714	0.00053
17.00	0.97030	0.00055	22.50	0.97156	0.00053	29.00	0.98022	0.00050
17.25	0.97498	0.00056	22.75	0.97548	0.00051	29.50	0.98274	0.00050
17.50	0.97879	0.00054	23.00	0.97733	0.00052	30.00	0.98572	0.00050
17.75	0.98286	0.00057	23.25	0.97950	0.00053	30.50	0.98727	0.00050
18.00	0.98642	0.00052	23.50	0.98239	0.00049	31.00	0.99045	0.00050
18.25	0.98955	0.00055	23.75	0.98357	0.00052	31.50	0.99235	0.00050
18.50	0.99324	0.00055	24.00	0.98560	0.00049	32.00	0.99421	0.00049
18.75	0.99706	0.00055	24.25	0.98761	0.00055	32.50	0.99601	0.00049
19.00	1.00133	0.00055	24.50	0.99007	0.00052	33.00	0.99897	0.00050
19.25	1.00372	0.00055	24.75	0.99177	0.00053	33.50	1.00119	0.00050
19.50	1.00629	0.00054	25.00	0.99453	0.00054	34.00	1.00268	0.00049
19.75	1.01070	0.00055	25.25	0.99546	0.00052			
20.00	1.01377	0.00056	25.50	0.99902	0.00053			
			25.75	0.99957	0.00052			
			26.00	1.00036	0.00053			

```
          8000                      9000                      10000
 27.00 0.92521 0.00051   999.98 0.94077 0.00041   999.98 0.82372 0.00035
 28.00 0.93096 0.00048   999.99 0.94077 0.00041   999.99 0.82372 0.00035
 29.00 0.93772 0.00049
 30.00 0.94210 0.00048
 31.00 0.94657 0.00051
 32.00 0.95077 0.00050
 33.00 0.95523 0.00050
 34.00 0.95966 0.00049
 35.00 0.96198 0.00049
 36.00 0.96527 0.00050
 37.00 0.96839 0.00049
 38.00 0.97265 0.00047
 39.00 0.97490 0.00047
 40.00 0.97799 0.00048
 41.00 0.98031 0.00048
 42.00 0.98182 0.00048
 43.00 0.98403 0.00050
 44.00 0.98623 0.00049
 45.00 0.98850 0.00047
 46.00 0.99080 0.00048
 47.00 0.99263 0.00048
 48.00 0.99497 0.00050
 49.00 0.99585 0.00049
 50.00 0.99741 0.00046
 51.00 0.99805 0.00049
 52.00 0.99906 0.00049
 53.00 1.00152 0.00049
 54.00 1.00379 0.00049
 55.00 1.00391 0.00048
 56.00 1.00568 0.00046
 57.00 1.00626 0.00048
 58.00 1.00801 0.00048
 59.00 1.00860 0.00046
 60.00 1.00921 0.00047
```

```
sumtable.u5o2-icyl-0040-00
            20                        25                        30
999.98 0.10591 0.00003   999.98 0.13036 0.00003   999.98 0.15412 0.00004
999.99 0.10591 0.00003   999.99 0.13036 0.00003   999.99 0.15412 0.00004

            40                        45                        50
999.98 0.19956 0.00005   999.98 0.22125 0.00006   999.98 0.24235 0.00006
999.99 0.19956 0.00005   999.99 0.22125 0.00006   999.99 0.24235 0.00006

            55                        60                        65
999.98 0.26299 0.00007   999.98 0.28300 0.00007   999.98 0.30244 0.00008
999.99 0.26299 0.00007   999.99 0.28300 0.00007   999.99 0.30244 0.00008

            70                        80                       100
999.98 0.32142 0.00008   999.98 0.35805 0.00009   999.98 0.42576 0.00010
999.99 0.32142 0.00008   999.99 0.35805 0.00009   999.99 0.42576 0.00010

           130                       150                       170
999.98 0.51556 0.00012   999.98 0.56924 0.00013   999.98 0.61843 0.00014
999.99 0.51556 0.00012   999.99 0.56924 0.00013   999.99 0.61843 0.00014
```

200			350			400		
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962	0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962	0.00021

500			650			800		
24.00	0.92224	0.00040	19.00	0.93699	0.00042	16.00	0.92555	0.00051
24.75	0.92976	0.00038	19.20	0.94079	0.00043	16.20	0.93011	0.00054
25.50	0.93648	0.00037	19.40	0.94465	0.00043	16.40	0.93616	0.00047
26.25	0.94220	0.00038	19.60	0.94853	0.00043	16.60	0.94053	0.00051
27.00	0.94903	0.00037	19.80	0.95148	0.00043	16.80	0.94585	0.00049
27.75	0.95427	0.00036	20.00	0.95627	0.00043	17.00	0.95023	0.00050
28.50	0.95951	0.00038	20.20	0.95787	0.00044	17.20	0.95491	0.00049
29.25	0.96366	0.00035	20.40	0.96228	0.00043	17.40	0.95994	0.00049
30.00	0.96853	0.00035	20.60	0.96502	0.00042	17.60	0.96559	0.00050
30.75	0.97361	0.00037	20.80	0.96771	0.00042	17.80	0.96895	0.00049
31.50	0.97659	0.00035	21.00	0.97038	0.00043	18.00	0.97398	0.00049
32.25	0.97967	0.00033	21.20	0.97355	0.00041	18.20	0.97803	0.00050
33.00	0.98464	0.00034	21.40	0.97646	0.00042	18.40	0.98184	0.00049
33.75	0.98775	0.00034	21.60	0.97958	0.00042	18.60	0.98540	0.00047
34.50	0.99090	0.00034	21.80	0.98226	0.00042	18.80	0.99021	0.00050
35.25	0.99351	0.00034	22.00	0.98438	0.00042	19.00	0.99484	0.00048
36.00	0.99635	0.00033	22.20	0.98627	0.00042	19.20	0.99845	0.00049
36.75	0.99836	0.00033	22.40	0.98851	0.00042	19.40	1.00152	0.00048
37.50	1.00088	0.00033	22.60	0.99208	0.00042	19.60	1.00566	0.00049
38.25	1.00459	0.00032	22.80	0.99404	0.00041	19.80	1.00972	0.00047
39.00	1.00635	0.00033	23.00	0.99796	0.00041	20.00	1.01253	0.00049
39.75	1.00813	0.00034	23.20	0.99957	0.00041	20.10	1.01520	0.00048
40.50	1.01062	0.00031	23.40	1.00212	0.00041			
41.00	1.01060	0.00033	23.60	1.00432	0.00040			
			23.80	1.00720	0.00040			
			24.00	1.00849	0.00039			
			24.20	1.01052	0.00038			
			24.40	1.01254	0.00039			
			24.60	1.01562	0.00041			
			24.80	1.01675	0.00042			
			25.00	1.01914	0.00040			

900			1000			1200		
15.40	0.93271	0.00050	14.00	0.90800	0.00055	14.00	0.93725	0.00054
15.50	0.93706	0.00047	14.20	0.91583	0.00052	14.10	0.94172	0.00054
15.60	0.93995	0.00053	14.40	0.92367	0.00053	14.20	0.94615	0.00055
15.70	0.94258	0.00049	14.60	0.93035	0.00055	14.30	0.94959	0.00056
15.80	0.94633	0.00049	14.80	0.93772	0.00054	14.40	0.95197	0.00057
15.90	0.94881	0.00050	15.00	0.94275	0.00055	14.50	0.95736	0.00054
16.00	0.95130	0.00050	15.20	0.94876	0.00056	14.60	0.95962	0.00055
16.10	0.95506	0.00051	15.40	0.95601	0.00054	14.70	0.96330	0.00055
16.20	0.95729	0.00051	15.60	0.96185	0.00054	14.80	0.96723	0.00054
16.30	0.96048	0.00050	15.80	0.96710	0.00055	14.90	0.97121	0.00054
16.40	0.96320	0.00048	16.00	0.97342	0.00055	15.00	0.97416	0.00055
16.50	0.96575	0.00050	16.20	0.97840	0.00057	15.10	0.97758	0.00055
16.60	0.96808	0.00050	16.40	0.98522	0.00054	15.20	0.98032	0.00053
16.70	0.97078	0.00048	16.60	0.98895	0.00053	15.30	0.98359	0.00053
16.80	0.97319	0.00049	16.80	0.99544	0.00055	15.40	0.98598	0.00055
16.90	0.97631	0.00048	17.00	1.00014	0.00054	15.50	0.99011	0.00055
17.00	0.97894	0.00049	17.20	1.00592	0.00054	15.60	0.99324	0.00052
17.10	0.98176	0.00050	17.40	1.01061	0.00051	15.70	0.99683	0.00054
17.20	0.98360	0.00048	17.60	1.01466	0.00052	15.80	0.99881	0.00052
17.30	0.98502	0.00050	17.80	1.01974	0.00053	15.90	1.00246	0.00054
17.40	0.98777	0.00048	18.00	1.02458	0.00051	16.00	1.00527	0.00055
17.50	0.99002	0.00049						

17.60	0.99265	0.00048
17.70	0.99493	0.00049
17.80	0.99772	0.00049
17.90	0.99942	0.00049
18.00	1.00199	0.00048
18.10	1.00396	0.00048

1500			1700			1900		
13.00	0.92314	0.00063	12.70	0.91867	0.00062	12.70	0.92330	0.00066
13.10	0.92693	0.00062	12.80	0.92239	0.00059	12.80	0.93084	0.00062
13.20	0.93164	0.00059	12.90	0.92876	0.00061	12.90	0.93406	0.00061
13.30	0.93596	0.00059	13.00	0.93309	0.00062	13.00	0.93754	0.00061
13.40	0.94109	0.00062	13.10	0.93808	0.00062	13.10	0.94357	0.00062
13.50	0.94338	0.00060	13.20	0.94165	0.00062	13.20	0.94740	0.00060
13.60	0.94805	0.00060	13.30	0.94622	0.00065	13.30	0.95080	0.00064
13.70	0.95313	0.00062	13.40	0.95164	0.00061	13.40	0.95618	0.00063
13.80	0.95679	0.00059	13.50	0.95506	0.00064	13.50	0.96093	0.00065
13.90	0.96111	0.00061	13.60	0.95857	0.00062	13.60	0.96463	0.00061
14.00	0.96569	0.00060	13.70	0.96327	0.00063	13.70	0.96814	0.00061
14.10	0.96873	0.00059	13.80	0.96652	0.00061	13.80	0.97306	0.00063
14.20	0.97305	0.00060	13.90	0.97082	0.00060	13.90	0.97725	0.00064
14.30	0.97705	0.00061	14.00	0.97620	0.00061	14.00	0.98069	0.00062
14.40	0.97986	0.00061	14.10	0.97951	0.00063	14.10	0.98410	0.00064
14.50	0.98410	0.00061	14.20	0.98249	0.00060	14.20	0.98980	0.00061
14.60	0.98751	0.00060	14.30	0.98684	0.00065	14.30	0.99151	0.00062
14.70	0.99178	0.00058	14.40	0.99069	0.00062	14.40	0.99656	0.00063
14.80	0.99555	0.00058	14.50	0.99440	0.00064	14.50	0.99984	0.00062
14.90	0.99721	0.00059	14.60	0.99867	0.00062	14.60	1.00403	0.00062
15.00	1.00116	0.00062	14.70	1.00204	0.00060	14.70	1.00870	0.00062
15.10	1.00688	0.00063	14.80	1.00535	0.00062	14.80	1.01158	0.00061
15.20	1.00997	0.00061	14.90	1.01016	0.00059	14.90	1.01523	0.00060
15.30	1.01262	0.00060	15.00	1.01259	0.00060	15.00	1.01946	0.00062
15.40	1.01452	0.00057						
15.50	1.01906	0.00060						
15.60	1.02287	0.00060						
15.70	1.02494	0.00059						
15.80	1.02737	0.00059						
15.90	1.03201	0.00058						
16.00	1.03431	0.00058						

2000			2100			2500		
12.70	0.92583	0.00062	12.60	0.92002	0.00063	12.70	0.92332	0.00065
12.80	0.92915	0.00064	12.80	0.93228	0.00066	12.80	0.92896	0.00062
12.90	0.93554	0.00065	13.00	0.94045	0.00062	12.90	0.93379	0.00062
13.00	0.93822	0.00063	13.20	0.94878	0.00063	13.00	0.93733	0.00064
13.10	0.94426	0.00064	13.40	0.95866	0.00065	13.10	0.94158	0.00064
13.20	0.94762	0.00063	13.60	0.96806	0.00063	13.20	0.94780	0.00067
13.30	0.95413	0.00062	13.80	0.97560	0.00063	13.30	0.95215	0.00065
13.40	0.95765	0.00060	14.00	0.98403	0.00061	13.40	0.95616	0.00066
13.50	0.96164	0.00062	14.20	0.99101	0.00065	13.50	0.95972	0.00065
13.60	0.96671	0.00065	14.40	0.99931	0.00063	13.60	0.96477	0.00064
13.70	0.96986	0.00063	14.60	1.00649	0.00064	13.70	0.96876	0.00065
13.80	0.97403	0.00063	14.80	1.01379	0.00060	13.80	0.97442	0.00063

13.90	0.97916	0.00065
14.00	0.98145	0.00063
14.10	0.98553	0.00064
14.20	0.99126	0.00066
14.30	0.99560	0.00061
14.40	0.99863	0.00064
14.50	1.00148	0.00062
14.60	1.00595	0.00060
14.70	1.00981	0.00062
14.80	1.01334	0.00062
14.90	1.01730	0.00063
15.00	1.02151	0.00062
15.10	1.02382	0.00062
15.20	1.02853	0.00061
15.30	1.03057	0.00063

15.00	1.02061	0.00064
15.20	1.02917	0.00065
15.40	1.03500	0.00064
15.60	1.04061	0.00063
15.80	1.04862	0.00064
16.00	1.05461	0.00061

13.90	0.97680	0.00062
14.00	0.98142	0.00064
14.10	0.98538	0.00064
14.20	0.98883	0.00062
14.30	0.99365	0.00067
14.40	0.99714	0.00066
14.50	1.00212	0.00062
14.60	1.00437	0.00062
14.70	1.00845	0.00062
14.80	1.01156	0.00064
14.90	1.01682	0.00065
15.00	1.02023	0.00064

3000

13.30	0.93956	0.00065
13.40	0.94328	0.00066
13.50	0.94859	0.00064
13.60	0.95211	0.00062
13.70	0.95715	0.00065
13.80	0.96086	0.00068
13.90	0.96646	0.00064
14.00	0.96945	0.00063
14.10	0.97354	0.00066
14.20	0.97795	0.00067
14.30	0.98142	0.00065
14.40	0.98622	0.00066
14.50	0.98979	0.00065
14.60	0.99381	0.00062
14.70	0.99716	0.00064
14.80	1.00093	0.00063
14.90	1.00422	0.00065
15.00	1.00750	0.00064

4000

14.00	0.92776	0.00068
14.10	0.93171	0.00064
14.20	0.93681	0.00066
14.30	0.93948	0.00062
14.40	0.94340	0.00062
14.50	0.94755	0.00065
14.60	0.95121	0.00065
14.70	0.95569	0.00062
14.80	0.95779	0.00066
14.90	0.96291	0.00063
15.00	0.96590	0.00060
15.10	0.97012	0.00064
15.20	0.97392	0.00062
15.30	0.97807	0.00065
15.40	0.98114	0.00064
15.50	0.98407	0.00064
15.60	0.98774	0.00064
15.70	0.99020	0.00066
15.80	0.99362	0.00063
15.90	0.99807	0.00064
16.00	0.99979	0.00067
16.10	1.00521	0.00066
16.20	1.00585	0.00067

5000

15.80	0.93743	0.00064
15.90	0.94027	0.00062
16.00	0.94416	0.00063
16.10	0.94744	0.00065
16.20	0.95174	0.00064
16.30	0.95246	0.00061
16.40	0.95673	0.00061
16.50	0.95984	0.00061
16.60	0.96229	0.00062
16.70	0.96583	0.00064
16.80	0.96844	0.00063
16.90	0.97077	0.00063
17.00	0.97436	0.00064
17.10	0.97782	0.00061
17.20	0.98050	0.00061
17.30	0.98329	0.00064
17.40	0.98639	0.00061
17.50	0.98857	0.00062
17.60	0.99159	0.00064
17.70	0.99237	0.00063
17.80	0.99575	0.00062
17.90	0.99961	0.00063
18.00	1.00081	0.00064
18.10	1.00316	0.00061
18.20	1.00546	0.00060

6000

17.00	0.90855	0.00061
17.25	0.91443	0.00061
17.50	0.92138	0.00061
17.75	0.92767	0.00061
18.00	0.93591	0.00059
18.25	0.94157	0.00059
18.50	0.94685	0.00060
18.75	0.95396	0.00059
19.00	0.95818	0.00060

7000

20.00	0.90464	0.00056
20.25	0.90921	0.00055
20.50	0.91359	0.00057
20.75	0.91936	0.00056
21.00	0.92161	0.00056
21.25	0.92719	0.00057
21.50	0.93215	0.00057
21.75	0.93574	0.00055
22.00	0.94015	0.00055

7500

23.00	0.91385	0.00054
23.50	0.92229	0.00053
24.00	0.92898	0.00051
24.50	0.93636	0.00053
25.00	0.94221	0.00052
25.50	0.94827	0.00052
26.00	0.95353	0.00053
26.50	0.95979	0.00055
27.00	0.96447	0.00054

19.25	0.96475	0.00061
19.50	0.96890	0.00057
19.75	0.97571	0.00061
20.00	0.98022	0.00061
20.25	0.98522	0.00060
20.50	0.98960	0.00059
20.75	0.99478	0.00058
21.00	1.00003	0.00058
21.25	1.00457	0.00059
21.50	1.00849	0.00056
21.75	1.01249	0.00058
22.00	1.01569	0.00060
22.25	1.02051	0.00058
22.50	1.02552	0.00060
22.75	1.02874	0.00062
23.00	1.03266	0.00058

22.25	0.94425	0.00056
22.50	0.94860	0.00054
22.75	0.95244	0.00057
23.00	0.95621	0.00055
23.25	0.95948	0.00055
23.50	0.96410	0.00057
23.75	0.96709	0.00058
24.00	0.97042	0.00057
24.25	0.97460	0.00054
24.50	0.97689	0.00053
24.75	0.98135	0.00056
25.00	0.98418	0.00055
25.25	0.98652	0.00055
25.50	0.98958	0.00057
25.75	0.99178	0.00057
26.00	0.99573	0.00053
26.25	0.99919	0.00054
26.50	1.00073	0.00054
26.75	1.00459	0.00053
27.00	1.00714	0.00054
27.25	1.01007	0.00057
27.50	1.01098	0.00055
27.75	1.01454	0.00057
28.00	1.01672	0.00057

27.50	0.97056	0.00053
28.00	0.97379	0.00054
28.50	0.98042	0.00053
29.00	0.98455	0.00056
29.50	0.98924	0.00053
30.00	0.99336	0.00053
30.50	0.99607	0.00054
31.00	0.99934	0.00054
31.50	1.00411	0.00053
32.00	1.00776	0.00052
32.50	1.01091	0.00054
33.00	1.01423	0.00052
33.50	1.01729	0.00052
34.00	1.02102	0.00054
34.50	1.02306	0.00052
35.00	1.02604	0.00053
35.50	1.02878	0.00051
36.00	1.03038	0.00052
36.50	1.03300	0.00051
37.00	1.03654	0.00050

8000

27.00	0.92121	0.00053
27.50	0.92595	0.00052
28.00	0.93155	0.00052
28.50	0.93563	0.00052
29.00	0.93991	0.00051
29.50	0.94390	0.00051
30.00	0.94849	0.00049
30.50	0.95132	0.00050
31.00	0.95621	0.00051
31.50	0.95893	0.00049
32.00	0.96279	0.00050
32.50	0.96682	0.00052
33.00	0.96943	0.00053
33.50	0.97372	0.00050
34.00	0.97646	0.00051
34.50	0.97895	0.00050
35.00	0.98134	0.00049
35.50	0.98402	0.00050
36.00	0.98664	0.00051
36.50	0.99028	0.00050
37.00	0.99258	0.00050
37.50	0.99432	0.00050
38.00	0.99699	0.00050
38.50	0.99915	0.00050
39.00	1.00189	0.00049
39.50	1.00340	0.00048
40.00	1.00412	0.00049
40.50	1.00796	0.00049
41.00	1.00903	0.00050
41.50	1.01054	0.00051
42.00	1.01197	0.00047

9000

40.00	0.91010	0.00046
60.00	0.95752	0.00044
80.00	0.97703	0.00043
100.00	0.98457	0.00043
120.00	0.98960	0.00042
140.00	0.99167	0.00041
160.00	0.99452	0.00042
180.00	0.99556	0.00042
200.00	0.99543	0.00043
220.00	0.99791	0.00040
240.00	0.99833	0.00042
260.00	0.99924	0.00044
280.00	0.99858	0.00040
300.00	0.99917	0.00042
320.00	0.99949	0.00041
340.00	0.99965	0.00041
360.00	0.99975	0.00043
380.00	1.00050	0.00040
400.00	1.00049	0.00040

10000

999.98	0.90157	0.00035
999.99	0.90157	0.00035

sumtable.u5o2-icyl-0040-01

20			25			30		
999.98	0.10591	0.00003	999.98	0.13036	0.00003	999.98	0.15412	0.00004
999.99	0.10591	0.00003	999.99	0.13036	0.00003	999.99	0.15412	0.00004

40			45			50		
999.98	0.19956	0.00005	999.98	0.22125	0.00006	999.98	0.24235	0.00006
999.99	0.19956	0.00005	999.99	0.22125	0.00006	999.99	0.24235	0.00006

55			60			65		
999.98	0.26299	0.00007	999.98	0.28300	0.00007	999.98	0.30244	0.00008
999.99	0.26299	0.00007	999.99	0.28300	0.00007	999.99	0.30244	0.00008

70			80			100		
999.98	0.32142	0.00008	999.98	0.35805	0.00009	999.98	0.42576	0.00010
999.99	0.32142	0.00008	999.99	0.35805	0.00009	999.99	0.42576	0.00010

130			150			170		
999.98	0.51556	0.00012	999.98	0.56924	0.00013	999.98	0.61843	0.00014
999.99	0.51556	0.00012	999.99	0.56924	0.00013	999.99	0.61843	0.00014

200			350			400		
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962	0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962	0.00021

500			650			800		
24.00	0.93768	0.00035	17.40	0.93670	0.00042	14.80	0.93573	0.00050
24.50	0.94139	0.00035	17.60	0.94131	0.00042	14.90	0.93759	0.00050
25.00	0.94515	0.00038	17.80	0.94402	0.00040	15.00	0.94059	0.00048
25.50	0.94859	0.00037	18.00	0.94789	0.00041	15.10	0.94309	0.00049
26.00	0.95290	0.00035	18.20	0.95152	0.00041	15.20	0.94558	0.00048
26.50	0.95651	0.00036	18.40	0.95430	0.00042	15.30	0.94867	0.00047
27.00	0.96058	0.00036	18.60	0.95822	0.00043	15.40	0.95135	0.00050
27.50	0.96231	0.00036	18.80	0.96125	0.00041	15.50	0.95271	0.00050
28.00	0.96563	0.00036	19.00	0.96537	0.00042	15.60	0.95483	0.00051
28.50	0.96983	0.00035	19.20	0.96734	0.00040	15.70	0.95815	0.00049
29.00	0.97218	0.00035	19.40	0.97091	0.00041	15.80	0.96068	0.00048
29.50	0.97533	0.00033	19.60	0.97360	0.00042	15.90	0.96171	0.00048
30.00	0.97767	0.00035	19.80	0.97664	0.00042	16.00	0.96478	0.00050
30.50	0.97952	0.00035	20.00	0.97948	0.00040	16.10	0.96681	0.00049
31.00	0.98176	0.00035	20.20	0.98189	0.00042	16.20	0.96964	0.00047
31.50	0.98490	0.00035	20.40	0.98449	0.00039	16.30	0.97089	0.00048
32.00	0.98685	0.00034	20.60	0.98727	0.00040	16.40	0.97352	0.00049
32.50	0.98915	0.00034	20.80	0.98996	0.00041	16.50	0.97674	0.00048
33.00	0.99102	0.00033	21.00	0.99218	0.00040	16.60	0.97697	0.00048
33.50	0.99348	0.00034	21.20	0.99450	0.00039	16.70	0.97947	0.00049
34.00	0.99532	0.00034	21.40	0.99732	0.00040	16.80	0.98197	0.00048
34.50	0.99669	0.00033	21.60	0.99884	0.00039	16.90	0.98310	0.00048
35.00	0.99845	0.00033	21.80	1.00235	0.00039	17.00	0.98554	0.00050
35.50	1.00032	0.00033	22.00	1.00422	0.00040	17.10	0.98807	0.00048
36.00	1.00107	0.00031				17.20	0.98935	0.00047
36.50	1.00353	0.00033				17.30	0.99258	0.00047
						17.40	0.99401	0.00047
						17.50	0.99588	0.00046
						17.60	0.99768	0.00047
						17.70	0.99981	0.00046
						17.80	1.00120	0.00046
						17.90	1.00365	0.00049
						18.00	1.00529	0.00048

900			1000			1200		
13.90	0.93689	0.00048	12.90	0.92579	0.00053	12.00	0.92171	0.00053
14.00	0.94023	0.00048	13.00	0.92946	0.00053	12.10	0.92686	0.00054
14.10	0.94257	0.00049	13.10	0.93217	0.00052	12.20	0.92983	0.00052
14.20	0.94633	0.00049	13.20	0.93630	0.00052	12.30	0.93459	0.00053
14.30	0.94840	0.00050	13.30	0.93893	0.00051	12.40	0.93842	0.00055
14.40	0.95194	0.00050	13.40	0.94332	0.00054	12.50	0.94156	0.00053
14.50	0.95378	0.00050	13.50	0.94628	0.00054	12.60	0.94703	0.00053
14.60	0.95696	0.00048	13.60	0.94880	0.00052	12.70	0.94995	0.00053
14.70	0.96090	0.00048	13.70	0.95197	0.00053	12.80	0.95368	0.00052
14.80	0.96322	0.00049	13.80	0.95475	0.00049	12.90	0.95716	0.00053
14.90	0.96550	0.00049	13.90	0.95881	0.00052	13.00	0.96071	0.00052
15.00	0.96829	0.00048	14.00	0.96024	0.00054	13.10	0.96413	0.00052
15.10	0.97101	0.00047	14.10	0.96482	0.00054	13.20	0.96790	0.00052
15.20	0.97229	0.00049	14.20	0.96707	0.00054	13.30	0.97114	0.00052
15.30	0.97599	0.00046	14.30	0.97011	0.00052	13.40	0.97465	0.00053
15.40	0.97763	0.00048	14.40	0.97342	0.00054	13.50	0.97823	0.00054
15.50	0.98061	0.00049	14.50	0.97563	0.00056	13.60	0.98018	0.00052
15.60	0.98320	0.00048	14.60	0.97897	0.00054	13.70	0.98414	0.00055
15.70	0.98544	0.00049	14.70	0.98179	0.00054	13.80	0.98731	0.00053
15.80	0.98840	0.00046	14.80	0.98448	0.00055	13.90	0.99020	0.00052
15.90	0.98996	0.00048	14.90	0.98843	0.00051	14.00	0.99356	0.00052
16.00	0.99274	0.00046	15.00	0.98995	0.00054	14.10	0.99577	0.00054
16.10	0.99506	0.00049	15.10	0.99247	0.00054	14.20	1.00049	0.00054
16.20	0.99756	0.00046	15.20	0.99539	0.00054	14.30	1.00346	0.00053
16.30	0.99930	0.00048	15.30	0.99735	0.00052	14.40	1.00634	0.00053
16.40	1.00210	0.00048	15.40	1.00035	0.00054	14.50	1.00829	0.00053
16.50	1.00397	0.00049	15.50	1.00311	0.00054	14.60	1.01213	0.00053
16.60	1.00663	0.00046	15.60	1.00508	0.00054	14.70	1.01402	0.00054
16.70	1.00878	0.00046	15.70	1.00770	0.00052	14.80	1.01853	0.00053
16.80	1.00968	0.00049	15.80	1.01098	0.00054	14.90	1.01968	0.00052
16.90	1.01315	0.00045	15.90	1.01351	0.00051	15.00	1.02273	0.00053
17.00	1.01535	0.00046	16.00	1.01554	0.00052			

1500			1700			1900		
11.70	0.93770	0.00056	11.00	0.91618	0.00064	11.00	0.92234	0.00062
11.80	0.94205	0.00060	11.10	0.92093	0.00059	11.10	0.92677	0.00059
11.90	0.94617	0.00060	11.20	0.92631	0.00061	11.20	0.93232	0.00060
12.00	0.95016	0.00058	11.30	0.93049	0.00061	11.30	0.93540	0.00060
12.10	0.95458	0.00057	11.40	0.93628	0.00062	11.40	0.94183	0.00062
12.20	0.95771	0.00059	11.50	0.93863	0.00058	11.50	0.94597	0.00061
12.30	0.96130	0.00059	11.60	0.94405	0.00061	11.60	0.95029	0.00060
12.40	0.96619	0.00056	11.70	0.94798	0.00060	11.70	0.95459	0.00060
12.50	0.97046	0.00055	11.80	0.95309	0.00063	11.80	0.95947	0.00062
12.60	0.97412	0.00058	11.90	0.95710	0.00061	11.90	0.96233	0.00062
12.70	0.97828	0.00058	12.00	0.96016	0.00061	12.00	0.96736	0.00062
12.80	0.98284	0.00060	12.10	0.96479	0.00061	12.10	0.97125	0.00063
12.90	0.98644	0.00058	12.20	0.96829	0.00062	12.20	0.97529	0.00059
13.00	0.98839	0.00058	12.30	0.97326	0.00060	12.30	0.97999	0.00062
13.10	0.99298	0.00058	12.40	0.97727	0.00059	12.40	0.98423	0.00059
13.20	0.99615	0.00057	12.50	0.98036	0.00061	12.50	0.98768	0.00062
13.30	1.00018	0.00060	12.60	0.98521	0.00059	12.60	0.99153	0.00059
13.40	1.00270	0.00059	12.70	0.98922	0.00061	12.70	0.99581	0.00059
13.50	1.00557	0.00058	12.80	0.99334	0.00061	12.80	0.99910	0.00062
			12.90	0.99589	0.00056	12.90	1.00269	0.00062
			13.00	1.00132	0.00058	13.00	1.00714	0.00060
			13.10	1.00375	0.00061			

2000			2100			2500		
11.00	0.92435	0.00060	11.00	0.92562	0.00062	11.00	0.92364	0.00063
11.10	0.92886	0.00063	11.10	0.93059	0.00060	11.10	0.92934	0.00060
11.20	0.93299	0.00061	11.20	0.93343	0.00063	11.20	0.93388	0.00062
11.30	0.93884	0.00061	11.30	0.94008	0.00061	11.30	0.93798	0.00064
11.40	0.94406	0.00059	11.40	0.94558	0.00063	11.40	0.94373	0.00063
11.50	0.94702	0.00062	11.50	0.94848	0.00062	11.50	0.94670	0.00063
11.60	0.95218	0.00061	11.60	0.95298	0.00062	11.60	0.95207	0.00064
11.70	0.95614	0.00062	11.70	0.95852	0.00063	11.70	0.95619	0.00063
11.80	0.96043	0.00064	11.80	0.96126	0.00062	11.80	0.96097	0.00065
11.90	0.96480	0.00060	11.90	0.96621	0.00062	11.90	0.96429	0.00062
12.00	0.96869	0.00061	12.00	0.96970	0.00063	12.00	0.96867	0.00064
12.10	0.97293	0.00059	12.10	0.97429	0.00061	12.10	0.97334	0.00063
12.20	0.97822	0.00061	12.20	0.97967	0.00060	12.20	0.97691	0.00061
12.30	0.98155	0.00060	12.30	0.98247	0.00061	12.30	0.98113	0.00062
12.40	0.98458	0.00060	12.40	0.98617	0.00061	12.40	0.98637	0.00062
12.50	0.98902	0.00061	12.50	0.98966	0.00064	12.50	0.99008	0.00063
12.60	0.99412	0.00061	12.60	0.99438	0.00060	12.60	0.99298	0.00059
12.70	0.99767	0.00060	12.70	0.99978	0.00063	12.70	0.99919	0.00061
12.80	1.00118	0.00060	12.80	1.00277	0.00063	12.80	1.00161	0.00061
12.90	1.00517	0.00059	12.90	1.00597	0.00061	12.90	1.00476	0.00062
13.00	1.00856	0.00063	13.00	1.01061	0.00059	13.00	1.00943	0.00063
13.10	1.01273	0.00060	13.10	1.01330	0.00064	13.10	1.01249	0.00061
13.20	1.01693	0.00059	13.20	1.01647	0.00061	13.20	1.01632	0.00065
13.30	1.01873	0.00063						
13.40	1.02338	0.00062						
13.50	1.02578	0.00059						
13.60	1.02929	0.00059						
13.70	1.03420	0.00061						
13.80	1.03725	0.00059						
13.90	1.03977	0.00059						
14.00	1.04312	0.00059						

3000			4000			5000		
11.00	0.91339	0.00062	12.00	0.92138	0.00063	13.00	0.90760	0.00060
11.10	0.91878	0.00064	12.10	0.92502	0.00061	13.20	0.91480	0.00061
11.20	0.92307	0.00063	12.20	0.92805	0.00063	13.40	0.92092	0.00061
11.30	0.92733	0.00064	12.30	0.93195	0.00064	13.60	0.92759	0.00061
11.40	0.93221	0.00062	12.40	0.93610	0.00065	13.80	0.93587	0.00060
11.50	0.93842	0.00064	12.50	0.94133	0.00065	14.00	0.94106	0.00062
11.60	0.94148	0.00062	12.60	0.94551	0.00062	14.20	0.94694	0.00064
11.70	0.94600	0.00065	12.70	0.94792	0.00062	14.40	0.95303	0.00063
11.80	0.95033	0.00064	12.80	0.95205	0.00063	14.60	0.95921	0.00060
11.90	0.95364	0.00064	12.90	0.95609	0.00066	14.80	0.96608	0.00061
12.00	0.95836	0.00060	13.00	0.96032	0.00063	15.00	0.97216	0.00061
12.10	0.96364	0.00063	13.10	0.96394	0.00061	15.20	0.97708	0.00062
12.20	0.96685	0.00063	13.20	0.96670	0.00063	15.40	0.98355	0.00062
12.30	0.97137	0.00062	13.30	0.97147	0.00061	15.60	0.98802	0.00059
12.40	0.97555	0.00065	13.40	0.97422	0.00066	15.80	0.99465	0.00061
12.50	0.98078	0.00062	13.50	0.97816	0.00064	16.00	0.99909	0.00061
12.60	0.98351	0.00064	13.60	0.98106	0.00061	16.20	1.00328	0.00062
12.70	0.98693	0.00063	13.70	0.98552	0.00064	16.40	1.00880	0.00061
12.80	0.99098	0.00062	13.80	0.98742	0.00061	16.60	1.01291	0.00061
12.90	0.99409	0.00064	13.90	0.99230	0.00063	16.80	1.01865	0.00061
13.00	0.99898	0.00062	14.00	0.99416	0.00061	17.00	1.02374	0.00059
13.10	1.00128	0.00062	14.10	0.99699	0.00063			
13.20	1.00656	0.00063	14.20	1.00063	0.00062			
13.30	1.01006	0.00064						
13.40	1.01347	0.00063						
13.50	1.01595	0.00062						

6000			7000			7500		
15.00	0.90887	0.00060	18.00	0.90639	0.00056	20.00	0.90198	0.00052
15.20	0.91460	0.00060	18.25	0.91222	0.00057	20.50	0.90904	0.00053
15.40	0.91901	0.00059	18.50	0.91659	0.00055	21.00	0.91789	0.00054
15.60	0.92463	0.00060	18.75	0.92063	0.00059	21.50	0.92501	0.00053
15.80	0.92947	0.00059	19.00	0.92606	0.00057	22.00	0.93166	0.00056
16.00	0.93493	0.00059	19.25	0.93039	0.00056	22.50	0.93791	0.00057
16.20	0.93949	0.00058	19.50	0.93434	0.00059	23.00	0.94462	0.00054
16.40	0.94363	0.00060	19.75	0.93786	0.00056	23.50	0.95080	0.00053
16.60	0.94967	0.00059	20.00	0.94224	0.00056	24.00	0.95647	0.00056
16.80	0.95511	0.00060	20.25	0.94693	0.00059	24.50	0.96108	0.00055
17.00	0.95816	0.00060	20.50	0.95068	0.00054	25.00	0.96739	0.00053
17.20	0.96378	0.00061	20.75	0.95408	0.00052	25.50	0.97223	0.00053
17.40	0.96714	0.00059	21.00	0.95765	0.00056	26.00	0.97667	0.00053
17.60	0.97176	0.00061	21.25	0.96067	0.00058	26.50	0.98130	0.00054
17.80	0.97662	0.00059	21.50	0.96570	0.00057	27.00	0.98589	0.00054
18.00	0.98091	0.00057	21.75	0.96909	0.00056	27.50	0.99084	0.00052
18.20	0.98436	0.00057	22.00	0.97315	0.00054	28.00	0.99350	0.00056
18.40	0.98749	0.00058	22.25	0.97619	0.00057	28.50	0.99734	0.00054
18.60	0.99300	0.00057	22.50	0.97844	0.00054	29.00	1.00167	0.00054
18.80	0.99506	0.00057	22.75	0.98289	0.00058	29.50	1.00526	0.00053
19.00	0.99919	0.00061	23.00	0.98520	0.00056	30.00	1.00851	0.00053
19.20	1.00284	0.00061	23.25	0.98817	0.00057	30.50	1.01132	0.00052
19.40	1.00610	0.00057	23.50	0.99011	0.00058	31.00	1.01436	0.00054
19.60	1.01089	0.00062	23.75	0.99275	0.00056	31.50	1.01866	0.00055
19.80	1.01356	0.00058	24.00	0.99726	0.00056	32.00	1.02020	0.00052
20.00	1.01646	0.00057	24.25	0.99904	0.00055	32.50	1.02368	0.00053
20.20	1.01989	0.00058	24.50	1.00258	0.00056	33.00	1.02710	0.00052
20.40	1.02393	0.00062	24.75	1.00452	0.00055	33.50	1.02867	0.00052
20.60	1.02590	0.00057	25.00	1.00683	0.00056	34.00	1.03240	0.00052
20.80	1.03013	0.00060	25.25	1.00981	0.00054	34.50	1.03392	0.00052
21.00	1.03234	0.00059	25.50	1.01279	0.00053	35.00	1.03711	0.00050
			25.75	1.01490	0.00056			
			26.00	1.01792	0.00058			
			26.25	1.02100	0.00057			
			26.50	1.02148	0.00054			
			26.75	1.02491	0.00054			
			27.00	1.02667	0.00053			
			27.25	1.02744	0.00054			
			27.50	1.03066	0.00053			
			27.75	1.03304	0.00055			
			28.00	1.03444	0.00058			

8000			9000			10000		
24.00	0.91142	0.00055	40.00	0.91952	0.00046	999.98	0.90157	0.00035
24.50	0.91901	0.00052	60.00	0.96178	0.00044	999.99	0.90157	0.00035
25.00	0.92328	0.00053	80.00	0.97776	0.00042			
25.50	0.92845	0.00054	100.00	0.98543	0.00043			
26.00	0.93318	0.00053	120.00	0.98983	0.00043			
26.50	0.93729	0.00052	140.00	0.99230	0.00043			
27.00	0.94151	0.00049	160.00	0.99440	0.00040			
27.50	0.94645	0.00051	180.00	0.99566	0.00043			
28.00	0.94969	0.00053	200.00	0.99658	0.00040			
28.50	0.95391	0.00051	220.00	0.99796	0.00040			
29.00	0.95828	0.00053	240.00	0.99886	0.00042			
29.50	0.96120	0.00051	260.00	0.99931	0.00040			
30.00	0.96429	0.00054	280.00	0.99936	0.00042			
30.50	0.96866	0.00051	300.00	0.99874	0.00043			

31.00	0.97137	0.00053	320.00	0.99945	0.00041
31.50	0.97386	0.00051	340.00	0.99958	0.00044
32.00	0.97825	0.00051	360.00	1.00027	0.00040
32.50	0.98063	0.00052	380.00	1.00070	0.00041
33.00	0.98293	0.00052	400.00	1.00077	0.00040
33.50	0.98563	0.00053			
34.00	0.98872	0.00051			
34.50	0.99096	0.00052			
35.00	0.99288	0.00051			
35.50	0.99478	0.00050			
36.00	0.99838	0.00051			
36.50	1.00049	0.00050			
37.00	1.00181	0.00050			

sumtable.u5o2-icyl-0040-10

20			25			30		
999.98	0.10591	0.00003	999.98	0.13036	0.00003	999.98	0.15412	0.00004
999.99	0.10591	0.00003	999.99	0.13036	0.00003	999.99	0.15412	0.00004
40			45			50		
999.98	0.19956	0.00005	999.98	0.22125	0.00006	999.98	0.24235	0.00006
999.99	0.19956	0.00005	999.99	0.22125	0.00006	999.99	0.24235	0.00006
55			60			65		
999.98	0.26299	0.00007	999.98	0.28300	0.00007	999.98	0.30244	0.00008
999.99	0.26299	0.00007	999.99	0.28300	0.00007	999.99	0.30244	0.00008
70			80			100		
999.98	0.32142	0.00008	999.98	0.35805	0.00009	999.98	0.42576	0.00010
999.99	0.32142	0.00008	999.99	0.35805	0.00009	999.99	0.42576	0.00010
130			150			170		
999.98	0.51556	0.00012	999.98	0.56924	0.00013	999.98	0.61843	0.00014
999.99	0.51556	0.00012	999.99	0.56924	0.00013	999.99	0.61843	0.00014
200			350			400		
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962	0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962	0.00021
500			650			800		
23.00	0.93868	0.00037	16.00	0.93431	0.00040	13.40	0.93131	0.00045
23.50	0.94278	0.00037	16.25	0.93783	0.00040	13.60	0.93700	0.00047
24.00	0.94715	0.00035	16.50	0.94403	0.00041	13.80	0.94157	0.00044
24.50	0.95057	0.00036	16.75	0.94757	0.00041	14.00	0.94741	0.00046
25.00	0.95356	0.00035	17.00	0.95217	0.00041	14.20	0.95194	0.00046
25.50	0.95872	0.00035	17.25	0.95557	0.00039	14.40	0.95653	0.00046
26.00	0.95993	0.00034	17.50	0.95970	0.00039	14.60	0.96118	0.00048
26.50	0.96553	0.00035	17.75	0.96388	0.00040	14.80	0.96592	0.00047
27.00	0.96727	0.00034	18.00	0.96879	0.00039	15.00	0.97104	0.00047
27.50	0.97057	0.00035	18.25	0.97116	0.00040	15.20	0.97486	0.00046
28.00	0.97218	0.00033	18.50	0.97538	0.00040	15.40	0.97960	0.00046
28.50	0.97568	0.00033	18.75	0.97813	0.00041	15.60	0.98330	0.00045
29.00	0.97840	0.00034	19.00	0.98224	0.00038	15.80	0.98757	0.00045
29.50	0.98064	0.00034	19.25	0.98578	0.00041	16.00	0.99187	0.00046
30.00	0.98250	0.00035	19.50	0.98902	0.00039	16.20	0.99615	0.00047
30.50	0.98673	0.00033	19.75	0.99178	0.00039	16.40	0.99922	0.00047
31.00	0.98812	0.00031	20.00	0.99563	0.00038	16.60	1.00314	0.00045
31.50	0.99005	0.00033	20.25	0.99848	0.00038	16.80	1.00748	0.00048

32.00	0.99137	0.00034	20.50	1.00123	0.00039
32.50	0.99403	0.00032	20.75	1.00363	0.00038
33.00	0.99451	0.00031	21.00	1.00636	0.00038
33.50	0.99673	0.00032			
34.00	0.99927	0.00031			
34.50	1.00025	0.00033			
35.00	1.00257	0.00032			

900			1000			1200		
12.60	0.93556	0.00046	11.00	0.90286	0.00050	10.00	0.89366	0.00050
12.70	0.93903	0.00046	11.20	0.91058	0.00050	10.10	0.89794	0.00049
12.80	0.94241	0.00046	11.40	0.91857	0.00050	10.20	0.90327	0.00050
12.90	0.94527	0.00047	11.60	0.92589	0.00049	10.30	0.90835	0.00052
13.00	0.94782	0.00044	11.80	0.93216	0.00050	10.40	0.91311	0.00052
13.10	0.95029	0.00046	12.00	0.93874	0.00050	10.50	0.91674	0.00048
13.20	0.95335	0.00046	12.20	0.94668	0.00049	10.60	0.92093	0.00049
13.30	0.95631	0.00047	12.40	0.95347	0.00050	10.70	0.92396	0.00050
13.40	0.95825	0.00048	12.60	0.95850	0.00051	10.80	0.92768	0.00049
13.50	0.96135	0.00046	12.80	0.96504	0.00049	10.90	0.93232	0.00049
13.60	0.96500	0.00046	13.00	0.97037	0.00050	11.00	0.93651	0.00050
13.70	0.96836	0.00046	13.20	0.97640	0.00050	11.10	0.94083	0.00050
13.80	0.97019	0.00045	13.40	0.98223	0.00051	11.20	0.94425	0.00052
13.90	0.97253	0.00045	13.60	0.98783	0.00049	11.30	0.94818	0.00050
14.00	0.97500	0.00047	13.80	0.99327	0.00051	11.40	0.95154	0.00049
14.10	0.97703	0.00045	14.00	0.99852	0.00049	11.50	0.95534	0.00051
14.20	0.98026	0.00046	14.20	1.00393	0.00049	11.60	0.95822	0.00050
14.30	0.98280	0.00045	14.40	1.00748	0.00049	11.70	0.96207	0.00049
14.40	0.98634	0.00045	14.60	1.01390	0.00049	11.80	0.96645	0.00048
14.50	0.98825	0.00044	14.80	1.01837	0.00049	11.90	0.97001	0.00050
14.60	0.99028	0.00045	15.00	1.02305	0.00049	12.00	0.97292	0.00050
14.70	0.99268	0.00045				12.10	0.97650	0.00051
14.80	0.99559	0.00044				12.20	0.97952	0.00050
14.90	0.99692	0.00046				12.30	0.98319	0.00049
15.00	0.99996	0.00045				12.40	0.98618	0.00050
15.10	1.00109	0.00046				12.50	0.98883	0.00048
15.20	1.00317	0.00044				12.60	0.99191	0.00051
15.30	1.00694	0.00045				12.70	0.99616	0.00050
						12.80	0.99918	0.00046
						12.90	1.00226	0.00048
						13.00	1.00457	0.00051

1500			1700			1900		
9.90	0.92139	0.00054	9.70	0.92358	0.00057	9.60	0.92720	0.00057
10.00	0.92438	0.00054	9.80	0.92786	0.00054	9.70	0.93198	0.00055
10.10	0.92966	0.00055	9.90	0.93266	0.00057	9.80	0.93701	0.00057
10.20	0.93503	0.00054	10.00	0.93715	0.00056	9.90	0.93987	0.00059
10.30	0.93815	0.00055	10.10	0.94187	0.00057	10.00	0.94629	0.00056
10.40	0.94339	0.00056	10.20	0.94824	0.00055	10.10	0.95002	0.00058
10.50	0.94737	0.00054	10.30	0.95124	0.00057	10.20	0.95470	0.00059
10.60	0.95113	0.00054	10.40	0.95609	0.00055	10.30	0.95853	0.00059
10.70	0.95460	0.00055	10.50	0.96043	0.00056	10.40	0.96388	0.00058
10.80	0.95822	0.00054	10.60	0.96341	0.00056	10.50	0.96793	0.00056
10.90	0.96330	0.00054	10.70	0.96732	0.00058	10.60	0.97226	0.00057

11.00	0.96728	0.00053
11.10	0.97160	0.00055
11.20	0.97602	0.00054
11.30	0.97972	0.00053
11.40	0.98311	0.00056
11.50	0.98564	0.00053
11.60	0.99058	0.00054
11.70	0.99425	0.00057
11.80	0.99803	0.00054
11.90	1.00122	0.00055
12.00	1.00375	0.00054
12.10	1.00770	0.00055
12.20	1.01217	0.00054
12.30	1.01417	0.00053

10.80	0.97126	0.00054
10.90	0.97562	0.00055
11.00	0.97994	0.00056
11.10	0.98324	0.00055
11.20	0.98755	0.00058
11.30	0.99166	0.00053
11.40	0.99536	0.00053
11.50	0.99864	0.00056
11.60	1.00368	0.00056
11.70	1.00681	0.00057
11.80	1.00974	0.00056
11.90	1.01307	0.00057
12.00	1.01643	0.00057

10.70	0.97636	0.00060
10.80	0.97973	0.00061
10.90	0.98449	0.00060
11.00	0.98908	0.00058
11.10	0.99238	0.00057
11.20	0.99650	0.00058
11.30	0.99945	0.00054
11.40	1.00493	0.00057
11.50	1.00749	0.00058
11.60	1.01057	0.00058
11.70	1.01351	0.00057
11.80	1.01880	0.00055
11.90	1.02139	0.00056
12.00	1.02587	0.00057

2000

9.00	0.90083	0.00056
9.10	0.90379	0.00058
9.20	0.91043	0.00055
9.30	0.91613	0.00059
9.40	0.92039	0.00057
9.50	0.92494	0.00057
9.60	0.92995	0.00059
9.70	0.93429	0.00059
9.80	0.94004	0.00058
9.90	0.94409	0.00057
10.00	0.94889	0.00057
10.10	0.95313	0.00058
10.20	0.95683	0.00057
10.30	0.96144	0.00056
10.40	0.96650	0.00057
10.50	0.96996	0.00057
10.60	0.97398	0.00055
10.70	0.97984	0.00057
10.80	0.98279	0.00056
10.90	0.98766	0.00055
11.00	0.99056	0.00058
11.10	0.99529	0.00056
11.20	0.99931	0.00057
11.30	1.00204	0.00059
11.40	1.00672	0.00056
11.50	1.01034	0.00056

2100

9.50	0.92743	0.00057
9.60	0.93196	0.00057
9.70	0.93733	0.00060
9.80	0.94022	0.00061
9.90	0.94545	0.00054
10.00	0.95095	0.00060
10.10	0.95485	0.00056
10.20	0.95922	0.00058
10.30	0.96413	0.00059
10.40	0.96816	0.00058
10.50	0.97149	0.00057
10.60	0.97675	0.00056
10.70	0.98059	0.00056
10.80	0.98463	0.00059
10.90	0.98973	0.00056
11.00	0.99245	0.00057
11.10	0.99720	0.00060
11.20	1.00164	0.00057
11.30	1.00499	0.00058
11.40	1.00878	0.00059
11.50	1.01270	0.00059

2500

9.00	0.90523	0.00057
9.10	0.91032	0.00057
9.20	0.91595	0.00057
9.30	0.92049	0.00059
9.40	0.92559	0.00058
9.50	0.93079	0.00058
9.60	0.93513	0.00059
9.70	0.93998	0.00059
9.80	0.94527	0.00060
9.90	0.94984	0.00060
10.00	0.95417	0.00058
10.10	0.95884	0.00058
10.20	0.96200	0.00058
10.30	0.96685	0.00058
10.40	0.97188	0.00058
10.50	0.97496	0.00058
10.60	0.97907	0.00061
10.70	0.98433	0.00059
10.80	0.98818	0.00057
10.90	0.99190	0.00061
11.00	0.99509	0.00060
11.10	0.99836	0.00058
11.20	1.00417	0.00059
11.30	1.00675	0.00059
11.40	1.01099	0.00060
11.50	1.01553	0.00058

3000

9.00	0.90122	0.00060
9.10	0.90664	0.00059
9.20	0.91136	0.00060
9.30	0.91527	0.00058
9.40	0.92090	0.00060
9.50	0.92509	0.00057
9.60	0.93012	0.00059
9.70	0.93438	0.00058
9.80	0.93938	0.00061

4000

10.00	0.92035	0.00057
10.10	0.92415	0.00060
10.20	0.92928	0.00061
10.30	0.93368	0.00062
10.40	0.93721	0.00059
10.50	0.94151	0.00063
10.60	0.94446	0.00061
10.70	0.94954	0.00056
10.80	0.95209	0.00058

5000

11.00	0.91944	0.00059
11.10	0.92230	0.00059
11.20	0.92539	0.00057
11.30	0.92933	0.00058
11.40	0.93215	0.00058
11.50	0.93629	0.00056
11.60	0.93984	0.00060
11.70	0.94111	0.00061
11.80	0.94567	0.00056

9.90	0.94334	0.00060
10.00	0.94774	0.00057
10.10	0.95214	0.00062
10.20	0.95663	0.00058
10.30	0.96166	0.00059
10.40	0.96637	0.00059
10.50	0.97027	0.00060
10.60	0.97465	0.00058
10.70	0.97713	0.00060
10.80	0.98119	0.00058
10.90	0.98721	0.00062
11.00	0.98914	0.00058
11.10	0.99440	0.00060
11.20	0.99768	0.00062
11.30	1.00231	0.00058
11.40	1.00432	0.00060
11.50	1.00891	0.00060

10.90	0.95756	0.00057
11.00	0.96012	0.00057
11.10	0.96447	0.00060
11.20	0.96916	0.00059
11.30	0.97103	0.00062
11.40	0.97528	0.00060
11.50	0.97743	0.00059
11.60	0.98136	0.00058
11.70	0.98595	0.00060
11.80	0.98865	0.00058
11.90	0.99164	0.00061
12.00	0.99567	0.00058
12.10	0.99942	0.00059
12.20	1.00148	0.00058
12.30	1.00485	0.00060
12.40	1.00818	0.00061
12.50	1.01148	0.00062
12.60	1.01445	0.00060
12.70	1.01720	0.00060
12.80	1.02119	0.00058
12.90	1.02347	0.00058
13.00	1.02552	0.00061

11.90	0.94962	0.00057
12.00	0.95163	0.00061
12.10	0.95580	0.00056
12.20	0.95930	0.00058
12.30	0.96086	0.00058
12.40	0.96387	0.00057
12.50	0.96740	0.00058
12.60	0.96926	0.00057
12.70	0.97352	0.00060
12.80	0.97569	0.00058
12.90	0.97746	0.00057
13.00	0.98185	0.00059
13.10	0.98327	0.00058
13.20	0.98707	0.00056
13.30	0.98838	0.00056
13.40	0.99237	0.00058
13.50	0.99550	0.00058
13.60	0.99645	0.00059
13.70	0.99960	0.00060
13.80	1.00183	0.00058
13.90	1.00489	0.00060
14.00	1.00699	0.00061

6000

13.00	0.92802	0.00057
13.20	0.93303	0.00055
13.40	0.93784	0.00056
13.60	0.94320	0.00058
13.80	0.94734	0.00057
14.00	0.95295	0.00057
14.20	0.95645	0.00059
14.40	0.96175	0.00057
14.60	0.96657	0.00059
14.80	0.97021	0.00057
15.00	0.97407	0.00055
15.20	0.97824	0.00056
15.40	0.98173	0.00056
15.60	0.98755	0.00058
15.80	0.99033	0.00059
16.00	0.99425	0.00057
16.20	0.99848	0.00058
16.40	1.00052	0.00057
16.60	1.00556	0.00056
16.80	1.00848	0.00052
17.00	1.01221	0.00056

7000

15.00	0.91277	0.00055
15.25	0.91754	0.00053
15.50	0.92083	0.00054
15.75	0.92663	0.00054
16.00	0.93129	0.00056
16.25	0.93467	0.00055
16.50	0.93985	0.00054
16.75	0.94339	0.00055
17.00	0.94716	0.00052
17.25	0.95130	0.00056
17.50	0.95513	0.00053
17.75	0.95860	0.00055
18.00	0.96178	0.00055
18.25	0.96578	0.00052
18.50	0.96946	0.00056
18.75	0.97173	0.00052
19.00	0.97504	0.00054
19.25	0.97952	0.00052
19.50	0.98219	0.00055
19.75	0.98595	0.00053
20.00	0.98915	0.00053
20.25	0.99119	0.00054
20.50	0.99447	0.00053
20.75	0.99604	0.00051
21.00	0.99921	0.00054
21.25	1.00277	0.00055
21.50	1.00608	0.00055
21.75	1.00752	0.00054
22.00	1.01089	0.00056

7500

18.00	0.92708	0.00053
18.25	0.93077	0.00053
18.50	0.93298	0.00051
18.75	0.93722	0.00052
19.00	0.93916	0.00052
19.25	0.94320	0.00052
19.50	0.94656	0.00052
19.75	0.94847	0.00052
20.00	0.95140	0.00053
20.25	0.95482	0.00053
20.50	0.95650	0.00055
20.75	0.96130	0.00053
21.00	0.96337	0.00053
21.25	0.96630	0.00052
21.50	0.96878	0.00052
21.75	0.97058	0.00052
22.00	0.97269	0.00053
22.25	0.97576	0.00052
22.50	0.97648	0.00053
22.75	0.98088	0.00055
23.00	0.98262	0.00052
23.25	0.98437	0.00051
23.50	0.98662	0.00052
23.75	0.98954	0.00052
24.00	0.99197	0.00051
24.25	0.99339	0.00052
24.50	0.99375	0.00052
24.75	0.99733	0.00052
25.00	0.99787	0.00051
25.25	1.00074	0.00051
25.50	1.00268	0.00052
25.75	1.00485	0.00053
26.00	1.00622	0.00049
26.25	1.00799	0.00051
26.50	1.00976	0.00051
26.75	1.01136	0.00052
27.00	1.01338	0.00052

```
          8000                      9000                     10000
 20.00 0.91357 0.00051     3.00 0.40336 0.00021   999.98 0.90157 0.00035
 20.50 0.91876 0.00054    23.00 0.86275 0.00022   999.99 0.90157 0.00035
 21.00 0.92499 0.00050    43.00 0.94287 0.00022
 21.50 0.93047 0.00052    63.00 0.96953 0.00021
 22.00 0.93432 0.00049    83.00 0.98116 0.00021
 22.50 0.93938 0.00050   103.00 0.98793 0.00021
 23.00 0.94373 0.00050   123.00 0.99138 0.00021
 23.50 0.94765 0.00051   143.00 0.99393 0.00020
 24.00 0.95195 0.00052   163.00 0.99480 0.00020
 24.50 0.95616 0.00051   183.00 0.99651 0.00020
 25.00 0.95926 0.00051   203.00 0.99771 0.00020
 25.50 0.96261 0.00050   223.00 0.99796 0.00020
 26.00 0.96480 0.00052   243.00 0.99796 0.00020
 26.50 0.96839 0.00051   263.00 0.99868 0.00020
 27.00 0.97181 0.00051   283.00 0.99875 0.00020
 27.50 0.97501 0.00050   303.00 0.99924 0.00020
 28.00 0.97873 0.00048   323.00 0.99901 0.00020
 28.50 0.98037 0.00050   343.00 0.99990 0.00020
 29.00 0.98432 0.00050   363.00 0.99995 0.00020
 29.50 0.98585 0.00050   383.00 1.00044 0.00020
 30.00 0.98941 0.00049   400.00 1.00025 0.00020
 30.50 0.99145 0.00050
 31.00 0.99293 0.00050
 31.50 0.99681 0.00050
 32.00 0.99851 0.00047
 32.50 1.00048 0.00049
 33.00 1.00203 0.00051
 33.50 1.00337 0.00050
 34.00 1.00613 0.00049
 34.50 1.00820 0.00050
 35.00 1.00966 0.00050
```

```
sumtable.u5o2-icyl-0050-00
            20                        25                        30
999.98 0.13060 0.00003   999.98 0.16015 0.00004   999.98 0.18896 0.00005
999.99 0.13060 0.00003   999.99 0.16015 0.00004   999.99 0.18896 0.00005

            40                        45                        50
999.98 0.24346 0.00006   999.98 0.26904 0.00006   999.98 0.29422 0.00007
999.99 0.24346 0.00006   999.99 0.26904 0.00006   999.99 0.29422 0.00007

            55                        60                        65
999.98 0.31856 0.00008   999.98 0.34179 0.00008   999.98 0.36455 0.00009
999.99 0.31856 0.00008   999.99 0.34179 0.00008   999.99 0.36455 0.00009

            70                        80                       100
999.98 0.38644 0.00009   999.98 0.42831 0.00010   999.98 0.50538 0.00012
999.99 0.38644 0.00009   999.99 0.42831 0.00010   999.99 0.50538 0.00012

           130                       150                       170
999.98 0.60539 0.00014   999.98 0.66424 0.00014   999.98 0.71698 0.00016
999.99 0.60539 0.00014   999.99 0.66424 0.00014   999.99 0.71698 0.00016

           200                       350                       400
994.47 0.78725 0.00017    31.00 0.93859 0.00033    24.00 0.93726 0.00038
996.31 0.78725 0.00017    32.00 0.94404 0.00031    24.50 0.94242 0.00037
998.15 0.78725 0.00017    33.00 0.94884 0.00033    25.00 0.94728 0.00037
999.99 0.78725 0.00017    34.00 0.95151 0.00033    25.50 0.95184 0.00035
                          35.00 0.95559 0.00032    26.00 0.95617 0.00036
```

36.00	0.96006	0.00032
37.00	0.96355	0.00031
38.00	0.96707	0.00031
39.00	0.96987	0.00031
40.00	0.97232	0.00031
41.00	0.97563	0.00030
42.00	0.97739	0.00029
43.00	0.97920	0.00029
44.00	0.98196	0.00029
45.00	0.98386	0.00029
46.00	0.98655	0.00029
47.00	0.98777	0.00028
48.00	0.98922	0.00027
49.00	0.99095	0.00029
50.00	0.99196	0.00027
51.00	0.99398	0.00026
52.00	0.99505	0.00027
53.00	0.99629	0.00028
54.00	0.99726	0.00028
55.00	0.99876	0.00029
56.00	0.99934	0.00027
57.00	1.00025	0.00027
58.00	1.00142	0.00028

26.50	0.96052	0.00034
27.00	0.96445	0.00034
27.50	0.96748	0.00035
28.00	0.97160	0.00035
28.50	0.97509	0.00033
29.00	0.97815	0.00035
29.50	0.98104	0.00035
30.00	0.98472	0.00034
30.50	0.98730	0.00033
31.00	0.99011	0.00032
31.50	0.99222	0.00033
32.00	0.99507	0.00032
32.50	0.99745	0.00034
33.00	0.99995	0.00033
33.50	1.00198	0.00033
34.00	1.00430	0.00033
34.50	1.00625	0.00033
35.00	1.00812	0.00032
35.50	1.01027	0.00033
36.00	1.01267	0.00031
36.50	1.01435	0.00031
37.00	1.01595	0.00031
37.50	1.01852	0.00030
38.00	1.01933	0.00032
38.50	1.02022	0.00031
39.00	1.02270	0.00031
39.50	1.02296	0.00031
40.00	1.02538	0.00031

500

17.00	0.90204	0.00047
17.25	0.90720	0.00046
17.50	0.91319	0.00046
17.75	0.91874	0.00045
18.00	0.92343	0.00044
18.25	0.92873	0.00046
18.50	0.93309	0.00044
18.75	0.93730	0.00046
19.00	0.94411	0.00047
19.25	0.94705	0.00045
19.50	0.95221	0.00046
19.75	0.95720	0.00045
20.00	0.96039	0.00044
20.25	0.96443	0.00044
20.50	0.96841	0.00044
20.75	0.97200	0.00043
21.00	0.97684	0.00042
21.25	0.97921	0.00043
21.50	0.98346	0.00044
21.75	0.98686	0.00044
22.00	0.98996	0.00043
22.25	0.99247	0.00044
22.50	0.99749	0.00044
22.75	1.00050	0.00043
23.00	1.00228	0.00042
23.25	1.00583	0.00044
23.50	1.00928	0.00043
23.75	1.01124	0.00041
24.00	1.01469	0.00042
24.25	1.01758	0.00042
24.50	1.01953	0.00041
24.75	1.02205	0.00041
25.00	1.02449	0.00041

650

15.50	0.93381	0.00048
15.60	0.93795	0.00049
15.70	0.93935	0.00050
15.80	0.94259	0.00049
15.90	0.94538	0.00049
16.00	0.94911	0.00048
16.10	0.95144	0.00048
16.20	0.95417	0.00048
16.30	0.95601	0.00049
16.40	0.95930	0.00046
16.50	0.96277	0.00048
16.60	0.96446	0.00048
16.70	0.96727	0.00047
16.80	0.96999	0.00046
16.90	0.97234	0.00047
17.00	0.97451	0.00047
17.10	0.97739	0.00049
17.20	0.97993	0.00048
17.30	0.98162	0.00050
17.40	0.98467	0.00049
17.50	0.98692	0.00048
17.60	0.99008	0.00048
17.70	0.99176	0.00047
17.80	0.99437	0.00049
17.90	0.99597	0.00047
18.00	0.99942	0.00048
18.10	1.00084	0.00047
18.20	1.00288	0.00047
18.30	1.00555	0.00049
18.40	1.00758	0.00048
18.50	1.00865	0.00047
18.60	1.01189	0.00045

800

14.20	0.93666	0.00055
14.30	0.93985	0.00058
14.40	0.94511	0.00053
14.50	0.94868	0.00056
14.60	0.95169	0.00054
14.70	0.95542	0.00056
14.80	0.95867	0.00054
14.90	0.96172	0.00055
15.00	0.96685	0.00056
15.10	0.96915	0.00054
15.20	0.97294	0.00054
15.30	0.97558	0.00055
15.40	0.97839	0.00054
15.50	0.98260	0.00055
15.60	0.98515	0.00053
15.70	0.98824	0.00057
15.80	0.99114	0.00055
15.90	0.99389	0.00055
16.00	0.99648	0.00052
16.10	0.99963	0.00053
16.20	1.00237	0.00051
16.30	1.00509	0.00052

900			1000			1200		
13.50	0.93283	0.00056	13.00	0.92909	0.00061	12.50	0.92982	0.00058
13.60	0.93530	0.00054	13.10	0.93273	0.00059	12.60	0.93417	0.00058
13.70	0.94077	0.00053	13.20	0.93819	0.00061	12.70	0.93898	0.00060
13.80	0.94568	0.00052	13.30	0.94087	0.00059	12.80	0.94355	0.00057
13.90	0.94849	0.00057	13.40	0.94606	0.00059	12.90	0.94776	0.00056
14.00	0.95331	0.00053	13.50	0.94995	0.00060	13.00	0.95319	0.00057
14.10	0.95663	0.00053	13.60	0.95401	0.00058	13.10	0.95722	0.00060
14.20	0.96013	0.00055	13.70	0.95824	0.00057	13.20	0.96085	0.00058
14.30	0.96346	0.00053	13.80	0.96158	0.00057	13.30	0.96597	0.00057
14.40	0.96895	0.00055	13.90	0.96547	0.00055	13.40	0.97159	0.00059
14.50	0.97135	0.00055	14.00	0.96989	0.00058	13.50	0.97504	0.00056
14.60	0.97473	0.00053	14.10	0.97305	0.00056	13.60	0.97864	0.00059
14.70	0.97746	0.00054	14.20	0.97903	0.00059	13.70	0.98283	0.00055
14.80	0.98164	0.00057	14.30	0.98196	0.00060	13.80	0.98787	0.00059
14.90	0.98567	0.00053	14.40	0.98502	0.00059	13.90	0.99233	0.00059
15.00	0.98878	0.00052	14.50	0.98919	0.00058	14.00	0.99554	0.00057
15.10	0.99186	0.00054	14.60	0.99183	0.00056	14.10	1.00029	0.00059
15.20	0.99646	0.00055	14.70	0.99715	0.00058	14.20	1.00300	0.00057
15.30	0.99819	0.00057	14.80	0.99962	0.00059	14.30	1.00709	0.00059
15.40	1.00148	0.00053	14.90	1.00301	0.00058	14.40	1.01179	0.00056
15.50	1.00452	0.00053	15.00	1.00753	0.00059	14.50	1.01568	0.00059
			15.10	1.01064	0.00058	14.60	1.01871	0.00057
			15.20	1.01311	0.00057	14.70	1.02193	0.00058
			15.30	1.01774	0.00056	14.80	1.02567	0.00057
			15.40	1.01947	0.00059	14.90	1.02937	0.00059
			15.50	1.02402	0.00059	15.00	1.03406	0.00060
			15.60	1.02726	0.00059	15.10	1.03661	0.00058
			15.70	1.03023	0.00057	15.20	1.04077	0.00058
			15.80	1.03303	0.00059	15.30	1.04358	0.00057
			15.90	1.03580	0.00057	15.40	1.04652	0.00058
			16.00	1.03977	0.00056	15.50	1.04994	0.00055

1500			1700			1900		
12.00	0.92317	0.00066	11.90	0.92264	0.00067	11.80	0.92009	0.00066
12.05	0.92532	0.00063	12.00	0.92793	0.00065	11.90	0.92635	0.00064
12.10	0.92793	0.00064	12.10	0.93339	0.00065	12.00	0.93081	0.00064
12.15	0.93046	0.00065	12.20	0.94091	0.00066	12.10	0.93725	0.00065
12.20	0.93424	0.00064	12.30	0.94389	0.00065	12.20	0.94183	0.00066
12.25	0.93673	0.00062	12.40	0.95003	0.00063	12.30	0.94742	0.00066
12.30	0.93834	0.00066	12.50	0.95486	0.00065	12.40	0.95263	0.00065
12.35	0.94137	0.00062	12.60	0.96090	0.00064	12.50	0.95806	0.00067
12.40	0.94374	0.00063	12.70	0.96462	0.00063	12.60	0.96272	0.00065
12.45	0.94574	0.00066	12.80	0.96947	0.00067	12.70	0.96731	0.00066
12.50	0.94738	0.00064	12.90	0.97375	0.00068	12.80	0.97168	0.00067
12.55	0.95105	0.00063	13.00	0.97891	0.00065	12.90	0.97702	0.00067
12.60	0.95491	0.00064	13.10	0.98350	0.00064	13.00	0.98181	0.00065
12.65	0.95520	0.00065	13.20	0.98986	0.00064	13.10	0.98609	0.00067
12.70	0.95933	0.00062	13.30	0.99277	0.00063	13.20	0.99188	0.00068
12.75	0.96265	0.00061	13.40	0.99751	0.00063	13.30	0.99644	0.00065
12.80	0.96256	0.00061	13.50	1.00155	0.00066	13.40	0.99994	0.00064
12.85	0.96626	0.00064	13.60	1.00672	0.00066	13.50	1.00475	0.00065
12.90	0.96909	0.00063	13.70	1.01032	0.00064	13.60	1.01094	0.00065
12.95	0.97068	0.00065	13.80	1.01444	0.00064	13.70	1.01281	0.00066
13.00	0.97258	0.00065	13.90	1.01973	0.00064	13.80	1.01736	0.00065
13.05	0.97470	0.00065	14.00	1.02331	0.00063	13.90	1.02198	0.00064
13.10	0.97573	0.00063				14.00	1.02477	0.00064

13.15	0.98027	0.00063
13.20	0.98161	0.00061
13.25	0.98324	0.00063
13.30	0.98751	0.00062
13.35	0.99071	0.00063
13.40	0.99243	0.00064
13.45	0.99362	0.00065
13.50	0.99509	0.00065
13.55	0.99821	0.00062
13.60	1.00046	0.00064
13.65	1.00077	0.00064
13.70	1.00425	0.00061
13.75	1.00652	0.00063
13.80	1.00746	0.00064
13.85	1.00968	0.00062
13.90	1.01261	0.00064
13.95	1.01574	0.00063
14.00	1.01666	0.00063

2000			2100			2500		
11.80	0.91946	0.00066	11.80	0.92077	0.00066	12.00	0.92362	0.00066
11.90	0.92681	0.00068	11.90	0.92464	0.00066	12.10	0.92781	0.00067
12.00	0.93109	0.00065	12.00	0.93230	0.00066	12.20	0.93372	0.00067
12.10	0.93590	0.00065	12.10	0.93591	0.00065	12.30	0.94015	0.00067
12.20	0.94097	0.00065	12.20	0.94194	0.00064	12.40	0.94483	0.00068
12.30	0.94600	0.00066	12.30	0.94538	0.00069	12.50	0.95017	0.00067
12.40	0.95211	0.00067	12.40	0.95228	0.00066	12.60	0.95482	0.00069
12.50	0.95846	0.00065	12.50	0.95618	0.00065	12.70	0.96179	0.00066
12.60	0.96148	0.00070	12.60	0.96279	0.00065	12.80	0.96506	0.00066
12.70	0.96786	0.00064	12.70	0.96673	0.00065	12.90	0.96997	0.00067
12.80	0.97267	0.00066	12.80	0.97245	0.00065	13.00	0.97369	0.00069
12.90	0.97686	0.00066	12.90	0.97670	0.00064	13.10	0.97997	0.00066
13.00	0.98221	0.00063	13.00	0.98157	0.00066	13.20	0.98474	0.00066
13.10	0.98725	0.00067	13.10	0.98555	0.00065	13.30	0.98881	0.00067
13.20	0.99132	0.00062	13.20	0.99141	0.00067	13.40	0.99367	0.00065
13.30	0.99580	0.00067	13.30	0.99496	0.00066	13.50	0.99804	0.00066
13.40	1.00056	0.00065	13.40	1.00106	0.00066	13.60	1.00228	0.00066
13.50	1.00446	0.00065	13.50	1.00417	0.00067	13.70	1.00703	0.00064
13.60	1.00834	0.00066	13.60	1.00853	0.00067	13.80	1.01191	0.00068
13.70	1.01347	0.00064	13.70	1.01368	0.00063	13.90	1.01552	0.00068
13.80	1.01826	0.00066	13.80	1.01895	0.00065	14.00	1.01894	0.00065
13.90	1.02233	0.00064	13.90	1.02294	0.00067			
14.00	1.02588	0.00068	14.00	1.02574	0.00063			
			14.10	1.03052	0.00066			
			14.20	1.03390	0.00066			

3000			4000			5000		
12.00	0.90648	0.00067	13.50	0.93586	0.00066	14.00	0.89834	0.00066
12.05	0.90819	0.00069	13.60	0.94010	0.00067	14.20	0.90619	0.00062
12.10	0.91387	0.00066	13.70	0.94383	0.00062	14.40	0.91500	0.00062
12.15	0.91639	0.00065	13.80	0.94801	0.00062	14.60	0.92195	0.00062
12.20	0.91872	0.00068	13.90	0.95163	0.00065	14.80	0.93012	0.00064
12.25	0.92153	0.00068	14.00	0.95583	0.00066	15.00	0.93721	0.00063
12.30	0.92531	0.00068	14.10	0.96106	0.00066	15.20	0.94400	0.00063
12.35	0.92792	0.00063	14.20	0.96537	0.00068	15.40	0.95227	0.00062
12.40	0.92922	0.00065	14.30	0.97067	0.00064	15.60	0.95789	0.00062
12.45	0.93292	0.00065	14.40	0.97222	0.00065	15.80	0.96646	0.00064
12.50	0.93410	0.00067	14.50	0.97734	0.00068	16.00	0.97162	0.00065
12.55	0.93707	0.00069	14.60	0.98105	0.00066	16.20	0.97913	0.00062
12.60	0.93933	0.00064	14.70	0.98629	0.00064	16.40	0.98464	0.00064
12.65	0.94117	0.00065	14.80	0.98970	0.00065	16.60	0.98993	0.00063
12.70	0.94334	0.00067	14.90	0.99235	0.00064	16.80	0.99605	0.00067
12.75	0.94594	0.00066	15.00	0.99704	0.00063	17.00	1.00188	0.00064
12.80	0.95009	0.00067	15.10	1.00072	0.00065	17.20	1.00871	0.00064
12.85	0.95204	0.00069	15.20	1.00426	0.00065	17.40	1.01368	0.00061
12.90	0.95517	0.00068				17.60	1.01933	0.00064
12.95	0.95557	0.00068				17.80	1.02551	0.00063
13.00	0.95909	0.00068				18.00	1.02901	0.00062
13.05	0.96276	0.00066				18.20	1.03554	0.00060
13.10	0.96433	0.00067				18.40	1.03992	0.00063
13.15	0.96620	0.00066				18.60	1.04503	0.00061
13.20	0.96910	0.00065				18.80	1.05096	0.00063
13.25	0.96995	0.00068				19.00	1.05355	0.00065
13.30	0.97305	0.00064						
13.35	0.97535	0.00064						
13.40	0.97888	0.00068						
13.45	0.97836	0.00069						
13.50	0.98172	0.00067						
13.55	0.98501	0.00065						
13.60	0.98700	0.00067						
13.65	0.98889	0.00067						
13.70	0.99083	0.00066						
13.75	0.99288	0.00068						
13.80	0.99512	0.00065						
13.85	0.99694	0.00064						
13.90	1.00067	0.00067						
13.95	1.00211	0.00066						
14.00	1.00327	0.00068						
14.05	1.00457	0.00067						
14.10	1.00817	0.00062						

6000			7000			7500		
16.00	0.90517	0.00061	19.00	0.91211	0.00057	21.00	0.91374	0.00056
16.20	0.91083	0.00062	19.25	0.91809	0.00057	21.25	0.91830	0.00055
16.40	0.91740	0.00061	19.50	0.92506	0.00056	21.50	0.92247	0.00054
16.60	0.92450	0.00061	19.75	0.92845	0.00056	21.75	0.92804	0.00056
16.80	0.92968	0.00059	20.00	0.93380	0.00057	22.00	0.93198	0.00054
17.00	0.93461	0.00064	20.25	0.93801	0.00057	22.25	0.93567	0.00057
17.20	0.94152	0.00062	20.50	0.94264	0.00057	22.50	0.93998	0.00055
17.40	0.94645	0.00061	20.75	0.94936	0.00055	22.75	0.94431	0.00054
17.60	0.95185	0.00061	21.00	0.95311	0.00059	23.00	0.94882	0.00053
17.80	0.95786	0.00059	21.25	0.95858	0.00054	23.25	0.95204	0.00052
18.00	0.96204	0.00062	21.50	0.96340	0.00057	23.50	0.95412	0.00054
18.20	0.96718	0.00061	21.75	0.96797	0.00058	23.75	0.95929	0.00056

18.40	0.97308	0.00061
18.60	0.97730	0.00061
18.80	0.98155	0.00061
19.00	0.98798	0.00061
19.20	0.99114	0.00062
19.40	0.99624	0.00061
19.60	1.00056	0.00058
19.80	1.00559	0.00061
20.00	1.00897	0.00061
20.20	1.01367	0.00061
20.40	1.01823	0.00058
20.60	1.02120	0.00061
20.80	1.02392	0.00064
21.00	1.02856	0.00061

22.00	0.97200	0.00055
22.25	0.97540	0.00056
22.50	0.97996	0.00055
22.75	0.98174	0.00056
23.00	0.98610	0.00056
23.25	0.99206	0.00056
23.50	0.99437	0.00056
23.75	0.99919	0.00056
24.00	1.00214	0.00057
24.25	1.00507	0.00057
24.50	1.00784	0.00057
24.75	1.01111	0.00055
25.00	1.01344	0.00056
25.25	1.01816	0.00055
25.50	1.02155	0.00054
25.75	1.02334	0.00056
26.00	1.02668	0.00055

24.00	0.96054	0.00055
24.25	0.96494	0.00053
24.50	0.96911	0.00053
24.75	0.97191	0.00055
25.00	0.97528	0.00055
25.25	0.97769	0.00054
25.50	0.98087	0.00054
25.75	0.98449	0.00055
26.00	0.98675	0.00055
26.25	0.99079	0.00053
26.50	0.99310	0.00052
26.75	0.99511	0.00053
27.00	0.99719	0.00053
27.25	1.00007	0.00054
27.50	1.00356	0.00056
27.75	1.00666	0.00054
28.00	1.00818	0.00056
28.25	1.01096	0.00054
28.50	1.01257	0.00054
28.75	1.01527	0.00055
29.00	1.01746	0.00053
29.25	1.02088	0.00055
29.50	1.02290	0.00055
29.75	1.02547	0.00053
30.00	1.02704	0.00052

8000		
25.50	0.93902	0.00051
25.75	0.94341	0.00052
26.00	0.94485	0.00054
26.25	0.94928	0.00050
26.50	0.95114	0.00049
26.75	0.95546	0.00051
27.00	0.95628	0.00051
27.25	0.95898	0.00050
27.50	0.96186	0.00053
27.75	0.96379	0.00050
28.00	0.96774	0.00053
28.25	0.96977	0.00050
28.50	0.97200	0.00050
28.75	0.97467	0.00053
29.00	0.97630	0.00051
29.25	0.97852	0.00049
29.50	0.98021	0.00053
29.75	0.98359	0.00053
30.00	0.98627	0.00050
30.25	0.98719	0.00051
30.50	0.98917	0.00051
30.75	0.99199	0.00051
31.00	0.99281	0.00051
31.25	0.99599	0.00050
31.50	0.99651	0.00050
31.75	0.99915	0.00052
32.00	1.00084	0.00049
32.25	1.00229	0.00051
32.50	1.00428	0.00049

9000		
36.00	0.93902	0.00046
37.00	0.94477	0.00046
38.00	0.94800	0.00046
39.00	0.95360	0.00042
40.00	0.95835	0.00047
41.00	0.96163	0.00047
42.00	0.96489	0.00044
43.00	0.96914	0.00045
44.00	0.97265	0.00045
45.00	0.97475	0.00046
46.00	0.97835	0.00044
47.00	0.98123	0.00045
48.00	0.98330	0.00042
49.00	0.98693	0.00045
50.00	0.98819	0.00044
51.00	0.99101	0.00045
52.00	0.99125	0.00043
53.00	0.99531	0.00044
54.00	0.99686	0.00044
55.00	0.99865	0.00044
56.00	1.00028	0.00044
57.00	1.00230	0.00043
58.00	1.00333	0.00044

10000		
999.98	0.96762	0.00034
999.99	0.96762	0.00034

sumtable.u5o2-icyl-0050-01

20			25			30		
999.98	0.13060	0.00003	999.98	0.16015	0.00004	999.98	0.18896	0.00005
999.99	0.13060	0.00003	999.99	0.16015	0.00004	999.99	0.18896	0.00005

40			45			50		
999.98	0.24346	0.00006	999.98	0.26904	0.00006	999.98	0.29422	0.00007
999.99	0.24346	0.00006	999.99	0.26904	0.00006	999.99	0.29422	0.00007

55			60			65		
999.98	0.31856	0.00008	999.98	0.34179	0.00008	999.98	0.36455	0.00009
999.99	0.31856	0.00008	999.99	0.34179	0.00008	999.99	0.36455	0.00009

70			80			100		
999.98	0.38644	0.00009	999.98	0.42831	0.00010	999.98	0.50538	0.00012
999.99	0.38644	0.00009	999.99	0.42831	0.00010	999.99	0.50538	0.00012

130			150			170		
999.98	0.60539	0.00014	999.98	0.66424	0.00014	999.98	0.71698	0.00016
999.99	0.60539	0.00014	999.99	0.66424	0.00014	999.99	0.71698	0.00016

200			350			400		
999.98	0.78725	0.00017	28.00	0.93039	0.00033	22.00	0.93343	0.00036
999.99	0.78725	0.00017	29.00	0.93672	0.00033	22.50	0.93839	0.00035
			30.00	0.94262	0.00032	23.00	0.94264	0.00035
			31.00	0.94575	0.00032	23.50	0.94795	0.00035
			32.00	0.95043	0.00031	24.00	0.95185	0.00035
			33.00	0.95511	0.00032	24.50	0.95595	0.00035
			34.00	0.95820	0.00034	25.00	0.96105	0.00035
			35.00	0.96176	0.00032	25.50	0.96415	0.00035
			36.00	0.96529	0.00031	26.00	0.96788	0.00034
			37.00	0.96828	0.00030	26.50	0.97130	0.00034
			38.00	0.97121	0.00029	27.00	0.97463	0.00033
			39.00	0.97265	0.00030	27.50	0.97831	0.00035
			40.00	0.97657	0.00030	28.00	0.98165	0.00034
			41.00	0.97837	0.00029	28.50	0.98439	0.00033
			42.00	0.98095	0.00029	29.00	0.98713	0.00034
			43.00	0.98325	0.00029	29.50	0.99112	0.00032
			44.00	0.98520	0.00029	30.00	0.99292	0.00034
			45.00	0.98674	0.00029	30.50	0.99538	0.00031
			46.00	0.98812	0.00028	31.00	0.99774	0.00032
			47.00	0.98941	0.00027	31.50	1.00034	0.00033
			48.00	0.99222	0.00029	32.00	1.00235	0.00032
			49.00	0.99297	0.00028			
			50.00	0.99543	0.00028			
			51.00	0.99545	0.00028			
			52.00	0.99710	0.00027			
			53.00	0.99778	0.00027			
			54.00	0.99888	0.00027			
			55.00	1.00008	0.00027			
			56.00	1.00148	0.00027			
			57.00	1.00269	0.00026			
			58.00	1.00349	0.00026			

500			650			800		
16.00	0.91403	0.00045	10.00	0.77864	0.00048	12.00	0.91444	0.00056
16.25	0.92096	0.00045	10.10	0.78300	0.00049	12.10	0.91860	0.00056
16.50	0.92479	0.00044	10.20	0.78820	0.00047	12.20	0.92210	0.00055
16.75	0.92927	0.00045	10.30	0.79407	0.00050	12.30	0.92453	0.00054
17.00	0.93535	0.00044	10.40	0.79783	0.00049	12.40	0.92954	0.00054
17.25	0.94060	0.00044	10.50	0.80424	0.00050	12.50	0.93378	0.00053
17.50	0.94372	0.00046	10.60	0.80804	0.00049	12.60	0.93713	0.00055
17.75	0.94894	0.00042	10.70	0.81309	0.00050	12.70	0.94130	0.00055
18.00	0.95390	0.00044	10.80	0.81629	0.00050	12.80	0.94418	0.00055
18.25	0.95791	0.00041	10.90	0.82181	0.00046	12.90	0.94716	0.00054
18.50	0.96138	0.00043	11.00	0.82685	0.00048	13.00	0.95140	0.00056
18.75	0.96618	0.00044	11.10	0.83153	0.00050	13.10	0.95547	0.00055
19.00	0.96979	0.00042	11.20	0.83513	0.00049	13.20	0.95877	0.00056
19.25	0.97287	0.00042	11.30	0.83996	0.00049	13.30	0.96227	0.00052
19.50	0.97726	0.00043	11.40	0.84361	0.00048	13.40	0.96550	0.00055
19.75	0.98121	0.00043	11.50	0.84797	0.00049	13.50	0.96780	0.00051
20.00	0.98503	0.00042	11.60	0.85129	0.00047	13.60	0.97152	0.00056
20.25	0.98879	0.00043	11.70	0.85651	0.00050	13.70	0.97536	0.00054
20.50	0.99204	0.00042	11.80	0.86104	0.00048	13.80	0.97824	0.00052
20.75	0.99421	0.00043	11.90	0.86450	0.00048	13.90	0.98124	0.00054
21.00	0.99785	0.00041	12.00	0.86842	0.00049	14.00	0.98395	0.00055
21.25	1.00030	0.00042	12.10	0.87100	0.00045	14.10	0.98733	0.00054
21.50	1.00470	0.00041	12.20	0.87527	0.00047	14.20	0.99117	0.00052
21.75	1.00718	0.00041	12.30	0.87890	0.00048	14.30	0.99413	0.00052
22.00	1.00869	0.00044	12.40	0.88362	0.00048	14.40	0.99660	0.00052
			12.50	0.88652	0.00047	14.50	0.99914	0.00054
			12.60	0.89114	0.00049	14.60	1.00261	0.00052
			12.70	0.89409	0.00048	14.70	1.00591	0.00051
			12.80	0.89714	0.00048	14.80	1.00770	0.00050
			12.90	0.90116	0.00047	14.90	1.00971	0.00051
			13.00	0.90364	0.00048	15.00	1.01413	0.00052
			13.10	0.90726	0.00049			
			13.20	0.91105	0.00047			
			13.30	0.91383	0.00049			
			13.40	0.91760	0.00049			
			13.50	0.92017	0.00049			
			13.60	0.92353	0.00051			
			13.70	0.92761	0.00047			
			13.80	0.93122	0.00047			
			13.90	0.93259	0.00047			
			14.00	0.93664	0.00048			
			14.10	0.93973	0.00048			
			14.20	0.94156	0.00048			
			14.30	0.94515	0.00046			
			14.40	0.94833	0.00051			
			14.50	0.95061	0.00047			
			14.60	0.95334	0.00046			
			14.70	0.95564	0.00048			
			14.80	0.95870	0.00047			
			14.90	0.96151	0.00046			
			15.00	0.96446	0.00048			
			15.10	0.96593	0.00045			
			15.20	0.96963	0.00048			
			15.30	0.97129	0.00048			
			15.40	0.97369	0.00046			
			15.50	0.97549	0.00047			
			15.60	0.97852	0.00048			
			15.70	0.98176	0.00047			
			15.80	0.98463	0.00047			
			15.90	0.98638	0.00049			
			16.00	0.98810	0.00046			
			16.10	0.99124	0.00046			

16.20	0.99236	0.00045
16.30	0.99633	0.00046
16.40	0.99923	0.00046
16.50	0.99969	0.00044
16.60	1.00252	0.00045
16.70	1.00454	0.00046
16.80	1.00707	0.00046
16.90	1.00778	0.00046
17.00	1.01083	0.00047

900			1000			1200		
11.50	0.91557	0.00053	11.00	0.90967	0.00057	11.00	0.93442	0.00059
11.60	0.91899	0.00054	11.10	0.91441	0.00058	11.05	0.93707	0.00058
11.70	0.92471	0.00053	11.20	0.91903	0.00057	11.10	0.93905	0.00056
11.80	0.92806	0.00054	11.30	0.92314	0.00058	11.15	0.94151	0.00055
11.90	0.93247	0.00050	11.40	0.92768	0.00060	11.20	0.94403	0.00058
12.00	0.93604	0.00054	11.50	0.93259	0.00058	11.25	0.94749	0.00057
12.10	0.94014	0.00051	11.60	0.93664	0.00061	11.30	0.94803	0.00056
12.20	0.94419	0.00051	11.70	0.94170	0.00057	11.35	0.95179	0.00057
12.30	0.94830	0.00052	11.80	0.94622	0.00058	11.40	0.95518	0.00055
12.40	0.95194	0.00054	11.90	0.95016	0.00057	11.45	0.95670	0.00055
12.50	0.95563	0.00052	12.00	0.95374	0.00056	11.50	0.95783	0.00057
12.60	0.96033	0.00051	12.10	0.95873	0.00058	11.55	0.95941	0.00057
12.70	0.96335	0.00052	12.20	0.96284	0.00057	11.60	0.96165	0.00056
12.80	0.96754	0.00054	12.30	0.96748	0.00059	11.65	0.96424	0.00054
12.90	0.97131	0.00051	12.40	0.97107	0.00058	11.70	0.96656	0.00058
13.00	0.97569	0.00051	12.50	0.97525	0.00058	11.75	0.96894	0.00056
13.10	0.97739	0.00051	12.60	0.97866	0.00059	11.80	0.97088	0.00057
13.20	0.98153	0.00054	12.70	0.98075	0.00057	11.85	0.97340	0.00058
13.30	0.98475	0.00053	12.80	0.98536	0.00058	11.90	0.97473	0.00055
13.40	0.98948	0.00055	12.90	0.98963	0.00057	11.95	0.97725	0.00055
13.50	0.99208	0.00050	13.00	0.99313	0.00056	12.00	0.98019	0.00055
13.60	0.99394	0.00054	13.10	0.99686	0.00059	12.05	0.98245	0.00055
13.70	0.99884	0.00053	13.20	1.00020	0.00055	12.10	0.98465	0.00056
13.80	1.00231	0.00052	13.30	1.00308	0.00057	12.15	0.98528	0.00056
13.90	1.00502	0.00052	13.40	1.00631	0.00059	12.20	0.98835	0.00057
14.00	1.00800	0.00053				12.25	0.99014	0.00056
						12.30	0.99144	0.00057
						12.35	0.99377	0.00057
						12.40	0.99528	0.00057
						12.45	0.99807	0.00056
						12.50	1.00099	0.00055
						12.55	1.00193	0.00058
						12.60	1.00388	0.00057

1500			1700			1900		
10.40	0.92528	0.00063	10.00	0.90947	0.00062	10.00	0.91302	0.00063
10.50	0.93041	0.00064	10.10	0.91601	0.00064	10.10	0.91816	0.00060
10.60	0.93486	0.00061	10.20	0.92143	0.00063	10.20	0.92451	0.00064
10.70	0.94204	0.00060	10.30	0.92682	0.00065	10.30	0.92913	0.00062
10.80	0.94466	0.00061	10.40	0.93249	0.00065	10.40	0.93550	0.00065
10.90	0.95010	0.00062	10.50	0.93818	0.00062	10.50	0.94097	0.00063
11.00	0.95537	0.00060	10.60	0.94229	0.00061	10.60	0.94524	0.00063

11.10	0.96038	0.00061	10.70	0.94708	0.00061	10.70	0.94960	0.00064
11.20	0.96580	0.00061	10.80	0.95185	0.00063	10.80	0.95534	0.00064
11.30	0.97127	0.00063	10.90	0.95835	0.00064	10.90	0.96135	0.00064
11.40	0.97434	0.00061	11.00	0.96120	0.00067	11.00	0.96579	0.00064
11.50	0.97913	0.00065	11.10	0.96710	0.00061	11.10	0.97054	0.00064
11.60	0.98446	0.00061	11.20	0.97358	0.00063	11.20	0.97490	0.00063
11.70	0.98855	0.00060	11.30	0.97685	0.00062	11.30	0.98030	0.00062
11.80	0.99228	0.00061	11.40	0.98303	0.00064	11.40	0.98465	0.00064
11.90	0.99716	0.00063	11.50	0.98609	0.00064	11.50	0.98999	0.00061
12.00	1.00194	0.00065	11.60	0.99002	0.00064	11.60	0.99526	0.00062
12.10	1.00495	0.00064	11.70	0.99508	0.00063	11.70	0.99798	0.00063
12.20	1.00934	0.00060	11.80	0.99945	0.00061	11.80	1.00379	0.00064
12.30	1.01351	0.00061	11.90	1.00452	0.00063	11.90	1.00714	0.00066
12.40	1.01996	0.00062	12.00	1.00855	0.00064	12.00	1.01182	0.00064
			12.10	1.01293	0.00061	12.10	1.01614	0.00063
			12.20	1.01644	0.00068	12.20	1.02039	0.00060

2000			2100			2500		
10.00	0.91229	0.00066	10.00	0.91383	0.00061	10.00	0.90905	0.00064
10.10	0.91900	0.00064	10.10	0.91911	0.00066	10.10	0.91380	0.00066
10.20	0.92471	0.00065	10.20	0.92385	0.00066	10.20	0.91876	0.00069
10.30	0.92958	0.00065	10.30	0.93102	0.00064	10.30	0.92520	0.00066
10.40	0.93531	0.00063	10.40	0.93632	0.00064	10.40	0.93019	0.00068
10.50	0.94078	0.00064	10.50	0.94111	0.00062	10.50	0.93439	0.00067
10.60	0.94541	0.00065	10.60	0.94479	0.00062	10.60	0.94025	0.00064
10.70	0.95178	0.00064	10.70	0.95138	0.00066	10.70	0.94520	0.00065
10.80	0.95593	0.00062	10.80	0.95604	0.00064	10.80	0.95009	0.00062
10.90	0.96124	0.00064	10.90	0.96144	0.00064	10.90	0.95544	0.00064
11.00	0.96563	0.00064	11.00	0.96472	0.00064	11.00	0.95948	0.00066
11.10	0.96963	0.00063	11.10	0.97083	0.00065	11.10	0.96571	0.00064
11.20	0.97570	0.00063	11.20	0.97534	0.00062	11.20	0.97041	0.00066
11.30	0.98190	0.00062	11.30	0.98056	0.00065	11.30	0.97594	0.00066
11.40	0.98536	0.00064	11.40	0.98535	0.00065	11.40	0.97969	0.00062
11.50	0.99196	0.00061	11.50	0.99137	0.00061	11.50	0.98459	0.00066
11.60	0.99467	0.00064	11.60	0.99412	0.00062	11.60	0.98908	0.00067
11.70	0.99868	0.00064	11.70	0.99889	0.00063	11.70	0.99263	0.00063
11.80	1.00375	0.00064	11.80	1.00315	0.00065	11.80	0.99979	0.00064
11.90	1.00841	0.00062	11.90	1.00687	0.00066	11.90	1.00348	0.00064
12.00	1.01247	0.00064	12.00	1.01347	0.00063	12.00	1.00854	0.00065
12.10	1.01784	0.00064	12.10	1.01673	0.00063	12.10	1.01120	0.00065
12.20	1.02048	0.00063	12.20	1.02068	0.00066	12.20	1.01436	0.00065
						12.30	1.01978	0.00063

3000			4000			5000		
10.70	0.93211	0.00065	11.60	0.93258	0.00064	13.00	0.93420	0.00065
10.80	0.93742	0.00063	11.65	0.93411	0.00064	13.10	0.93776	0.00061
10.90	0.94112	0.00065	11.70	0.93682	0.00064	13.20	0.94150	0.00061
11.00	0.94633	0.00064	11.75	0.93832	0.00064	13.30	0.94430	0.00062
11.10	0.95158	0.00065	11.80	0.94075	0.00064	13.40	0.94824	0.00063
11.20	0.95652	0.00065	11.85	0.94299	0.00066	13.50	0.95010	0.00063
11.30	0.96124	0.00064	11.90	0.94566	0.00063	13.60	0.95419	0.00063
11.40	0.96657	0.00065	11.95	0.94876	0.00064	13.70	0.95996	0.00063
11.50	0.96961	0.00068	12.00	0.95073	0.00064	13.80	0.96191	0.00060

11.60	0.97433	0.00066
11.70	0.97853	0.00066
11.80	0.98345	0.00064
11.90	0.98823	0.00065
12.00	0.99275	0.00068
12.10	0.99599	0.00064
12.20	1.00070	0.00065
12.30	1.00542	0.00063
12.40	1.00897	0.00066
12.50	1.01362	0.00063
12.60	1.01796	0.00062
12.70	1.02205	0.00064
12.80	1.02517	0.00067
12.90	1.02966	0.00065
13.00	1.03351	0.00066

12.05	0.95201	0.00063
12.10	0.95424	0.00066
12.15	0.95624	0.00067
12.20	0.95871	0.00065
12.25	0.96004	0.00065
12.30	0.96230	0.00067
12.35	0.96531	0.00064
12.40	0.96605	0.00066
12.45	0.96803	0.00065
12.50	0.97075	0.00062
12.55	0.97222	0.00063
12.60	0.97369	0.00066
12.65	0.97676	0.00065
12.70	0.97807	0.00066
12.75	0.98049	0.00065
12.80	0.98216	0.00064
12.85	0.98329	0.00066
12.90	0.98355	0.00066
12.95	0.98797	0.00066
13.00	0.98976	0.00064
13.05	0.99213	0.00067
13.10	0.99297	0.00064
13.15	0.99648	0.00065
13.20	0.99738	0.00062
13.25	0.99843	0.00063
13.30	1.00115	0.00064
13.35	1.00195	0.00063
13.40	1.00486	0.00065

13.90	0.96629	0.00063
14.00	0.96918	0.00063
14.10	0.97176	0.00060
14.20	0.97419	0.00063
14.30	0.97902	0.00062
14.40	0.98152	0.00063
14.50	0.98376	0.00064
14.60	0.98868	0.00062
14.70	0.98999	0.00066
14.80	0.99327	0.00060
14.90	0.99682	0.00064
15.00	0.99949	0.00062
15.10	1.00318	0.00065
15.20	1.00571	0.00062

6000		
14.00	0.90541	0.00061
14.20	0.91202	0.00061
14.40	0.91772	0.00059
14.60	0.92451	0.00062
14.80	0.92973	0.00062
15.00	0.93579	0.00062
15.20	0.94146	0.00063
15.40	0.94731	0.00064
15.60	0.95228	0.00063
15.80	0.95764	0.00062
16.00	0.96189	0.00062
16.20	0.96611	0.00061
16.40	0.97161	0.00058
16.60	0.97776	0.00060
16.80	0.98146	0.00060
17.00	0.98644	0.00059
17.20	0.99196	0.00063
17.40	0.99547	0.00061
17.60	0.99993	0.00061
17.80	1.00564	0.00061
18.00	1.00822	0.00057

7000		
17.00	0.91537	0.00060
17.25	0.92112	0.00059
17.50	0.92645	0.00057
17.75	0.93108	0.00057
18.00	0.93598	0.00058
18.25	0.94187	0.00055
18.50	0.94616	0.00060
18.75	0.95127	0.00056
19.00	0.95556	0.00056
19.25	0.95904	0.00057
19.50	0.96333	0.00059
19.75	0.96825	0.00057
20.00	0.97360	0.00058
20.25	0.97704	0.00057
20.50	0.98133	0.00058
20.75	0.98385	0.00057
21.00	0.98841	0.00058
21.25	0.99246	0.00058
21.50	0.99563	0.00057
21.75	0.99912	0.00056
22.00	1.00294	0.00057
22.25	1.00674	0.00058
22.50	1.00877	0.00059
22.75	1.01379	0.00056
23.00	1.01484	0.00055

7500		
19.00	0.91779	0.00054
19.25	0.92179	0.00057
19.50	0.92585	0.00055
19.75	0.92946	0.00055
20.00	0.93455	0.00054
20.25	0.93842	0.00055
20.50	0.94209	0.00054
20.75	0.94584	0.00056
21.00	0.95055	0.00053
21.25	0.95346	0.00055
21.50	0.95718	0.00053
21.75	0.96140	0.00056
22.00	0.96378	0.00056
22.25	0.96739	0.00055
22.50	0.96992	0.00055
22.75	0.97429	0.00055
23.00	0.97707	0.00055
23.25	0.98079	0.00056
23.50	0.98364	0.00056
23.75	0.98591	0.00057
24.00	0.99001	0.00054
24.25	0.99186	0.00053
24.50	0.99456	0.00055
24.75	0.99724	0.00054
25.00	1.00017	0.00053
25.25	1.00238	0.00053
25.50	1.00513	0.00056
25.75	1.00646	0.00055
26.00	1.00990	0.00054

8000			9000			10000		
20.00	0.89530	0.00055	30.00	0.91652	0.00046	999.98	0.96762	0.00034
20.50	0.90093	0.00053	31.00	0.92271	0.00047	999.99	0.96762	0.00034
21.00	0.90965	0.00053	32.00	0.93023	0.00046			
21.50	0.91736	0.00051	33.00	0.93651	0.00049			
22.00	0.92464	0.00054	34.00	0.94117	0.00044			
22.50	0.93013	0.00053	35.00	0.94677	0.00049			
23.00	0.93647	0.00053	36.00	0.95179	0.00046			
23.50	0.94261	0.00052	37.00	0.95599	0.00047			
24.00	0.94813	0.00052	38.00	0.95854	0.00047			
24.50	0.95441	0.00055	39.00	0.96306	0.00049			
25.00	0.96023	0.00052	40.00	0.96755	0.00044			
25.50	0.96420	0.00051	41.00	0.96995	0.00046			
26.00	0.97000	0.00052	42.00	0.97335	0.00044			
26.50	0.97430	0.00051	43.00	0.97612	0.00043			
27.00	0.97819	0.00053	44.00	0.97894	0.00045			
27.50	0.98277	0.00050	45.00	0.98197	0.00048			
28.00	0.98743	0.00052	46.00	0.98449	0.00045			
28.50	0.99091	0.00053	47.00	0.98687	0.00045			
29.00	0.99434	0.00053	48.00	0.98966	0.00046			
29.50	0.99847	0.00053	49.00	0.99185	0.00044			
30.00	1.00098	0.00051	50.00	0.99497	0.00043			
30.50	1.00469	0.00052	51.00	0.99545	0.00045			
31.00	1.00902	0.00051	52.00	0.99764	0.00046			
31.50	1.01156	0.00053	53.00	0.99921	0.00044			
32.00	1.01565	0.00051	54.00	1.00135	0.00044			
32.50	1.01789	0.00052	55.00	1.00150	0.00045			
33.00	1.01985	0.00052	56.00	1.00500	0.00045			
33.50	1.02288	0.00052	57.00	1.00527	0.00045			
34.00	1.02683	0.00051	58.00	1.00701	0.00046			
			59.00	1.00825	0.00044			
			60.00	1.00943	0.00045			

sumtable.u5o2-icyl-0050-10

20			25			30		
999.98	0.13060	0.00003	999.98	0.16015	0.00004	999.98	0.18896	0.00005
999.99	0.13060	0.00003	999.99	0.16015	0.00004	999.99	0.18896	0.00005

40			45			50		
999.98	0.24346	0.00006	999.98	0.26904	0.00006	999.98	0.29422	0.00007
999.99	0.24346	0.00006	999.99	0.26904	0.00006	999.99	0.29422	0.00007

55			60			65		
999.98	0.31856	0.00008	999.98	0.34179	0.00008	999.98	0.36455	0.00009
999.99	0.31856	0.00008	999.99	0.34179	0.00008	999.99	0.36455	0.00009

70			80			100		
999.98	0.38644	0.00009	999.98	0.42831	0.00010	999.98	0.50538	0.00012
999.99	0.38644	0.00009	999.99	0.42831	0.00010	999.99	0.50538	0.00012

130			150			170		
999.98	0.60539	0.00014	999.98	0.66424	0.00014	999.98	0.71698	0.00016
999.99	0.60539	0.00014	999.99	0.66424	0.00014	999.99	0.71698	0.00016

200			350			400		
999.98	0.78725	0.00017	20.00	0.87544	0.00034	21.00	0.93524	0.00034
999.99	0.78725	0.00017	22.00	0.89469	0.00033	21.50	0.93952	0.00036
			24.00	0.91163	0.00032	22.00	0.94484	0.00035
			26.00	0.92579	0.00033	22.50	0.94953	0.00034
			28.00	0.93695	0.00033	23.00	0.95350	0.00034
			30.00	0.94663	0.00030	23.50	0.95834	0.00034
			32.00	0.95596	0.00031	24.00	0.96169	0.00032
			34.00	0.96267	0.00031	24.50	0.96620	0.00034
			36.00	0.96853	0.00030	25.00	0.96977	0.00032
			38.00	0.97462	0.00029	25.50	0.97346	0.00032
			40.00	0.97901	0.00030	26.00	0.97686	0.00032
			42.00	0.98339	0.00027	26.50	0.97994	0.00033
			44.00	0.98704	0.00028	27.00	0.98260	0.00032
			46.00	0.98990	0.00028	27.50	0.98566	0.00033
			48.00	0.99273	0.00027	28.00	0.98823	0.00032
			50.00	0.99672	0.00027	28.50	0.99134	0.00031
			52.00	0.99790	0.00027	29.00	0.99408	0.00032
			54.00	1.00020	0.00027	29.50	0.99606	0.00031
			56.00	1.00308	0.00026	30.00	0.99900	0.00031
			58.00	1.00411	0.00026	30.50	1.00085	0.00031
			60.00	1.00598	0.00026	31.00	1.00316	0.00032

500			650			800		
15.00	0.91886	0.00043	12.70	0.93417	0.00044	11.00	0.92386	0.00051
15.25	0.92307	0.00043	12.80	0.93730	0.00044	11.10	0.92873	0.00050
15.50	0.92895	0.00042	12.90	0.94002	0.00046	11.20	0.93135	0.00050
15.75	0.93382	0.00043	13.00	0.94354	0.00046	11.30	0.93593	0.00048
16.00	0.93845	0.00042	13.10	0.94595	0.00045	11.40	0.93961	0.00050
16.25	0.94351	0.00040	13.20	0.94910	0.00045	11.50	0.94276	0.00051
16.50	0.94761	0.00043	13.30	0.95164	0.00045	11.60	0.94704	0.00049
16.75	0.95264	0.00040	13.40	0.95411	0.00044	11.70	0.95057	0.00050
17.00	0.95746	0.00042	13.50	0.95683	0.00044	11.80	0.95485	0.00051
17.25	0.96100	0.00042	13.60	0.95979	0.00044	11.90	0.95753	0.00051
17.50	0.96499	0.00041	13.70	0.96340	0.00045	12.00	0.96249	0.00050
17.75	0.96840	0.00041	13.80	0.96439	0.00047	12.10	0.96399	0.00052
18.00	0.97172	0.00044	13.90	0.96764	0.00046	12.20	0.96769	0.00051
18.25	0.97697	0.00042	14.00	0.97049	0.00045	12.30	0.97140	0.00052
18.50	0.98024	0.00041	14.10	0.97306	0.00044	12.40	0.97436	0.00050
18.75	0.98348	0.00041	14.20	0.97526	0.00045	12.50	0.97703	0.00050
19.00	0.98737	0.00041	14.30	0.97785	0.00043	12.60	0.98081	0.00051
19.25	0.99082	0.00040	14.40	0.98073	0.00046	12.70	0.98438	0.00052
19.50	0.99382	0.00040	14.50	0.98364	0.00043	12.80	0.98783	0.00049
19.75	0.99679	0.00039	14.60	0.98456	0.00044	12.90	0.99007	0.00049
20.00	1.00043	0.00040	14.70	0.98719	0.00045	13.00	0.99292	0.00049
20.25	1.00253	0.00040	14.80	0.99039	0.00045	13.10	0.99503	0.00051
20.50	1.00639	0.00041	14.90	0.99237	0.00043	13.20	0.99909	0.00050
20.75	1.00913	0.00040	15.00	0.99463	0.00042	13.30	1.00213	0.00051
21.00	1.01196	0.00040	15.10	0.99690	0.00044	13.40	1.00520	0.00053
			15.20	0.99869	0.00044	13.50	1.00738	0.00049
			15.30	1.00143	0.00043	13.60	1.00908	0.00051
			15.40	1.00390	0.00044	13.70	1.01410	0.00050
						13.80	1.01613	0.00051
						13.90	1.01919	0.00050
						14.00	1.02101	0.00051

900			1000			1200		
10.70	0.93605	0.00051	10.00	0.92412	0.00055	9.00	0.90224	0.00054
10.80	0.94062	0.00051	10.10	0.92890	0.00055	9.10	0.90681	0.00054
10.90	0.94420	0.00050	10.20	0.93231	0.00055	9.20	0.91232	0.00052
11.00	0.94770	0.00049	10.30	0.93898	0.00053	9.30	0.91757	0.00052
11.10	0.95243	0.00050	10.40	0.94354	0.00053	9.40	0.92165	0.00054
11.20	0.95653	0.00050	10.50	0.94646	0.00053	9.50	0.92709	0.00052
11.30	0.96014	0.00051	10.60	0.95145	0.00054	9.60	0.93185	0.00051
11.40	0.96298	0.00048	10.70	0.95515	0.00054	9.70	0.93796	0.00052
11.50	0.96779	0.00048	10.80	0.95986	0.00054	9.80	0.94257	0.00051
11.60	0.97077	0.00049	10.90	0.96309	0.00054	9.90	0.94656	0.00053
11.70	0.97570	0.00050	11.00	0.96757	0.00052	10.00	0.95217	0.00054
11.80	0.97899	0.00050	11.10	0.97150	0.00054	10.10	0.95652	0.00052
11.90	0.98211	0.00049	11.20	0.97561	0.00052	10.20	0.96058	0.00053
12.00	0.98562	0.00050	11.30	0.97952	0.00052	10.30	0.96499	0.00052
12.10	0.98974	0.00050	11.40	0.98429	0.00053	10.40	0.97024	0.00054
12.20	0.99227	0.00049	11.50	0.98653	0.00052	10.50	0.97460	0.00051
12.30	0.99492	0.00051	11.60	0.99069	0.00054	10.60	0.97853	0.00054
12.40	0.99873	0.00051	11.70	0.99422	0.00055	10.70	0.98331	0.00054
12.50	1.00119	0.00049	11.80	0.99709	0.00053	10.80	0.98721	0.00052
12.60	1.00506	0.00050	11.90	1.00172	0.00055	10.90	0.99115	0.00052
12.70	1.00906	0.00049	12.00	1.00511	0.00053	11.00	0.99599	0.00052
12.80	1.01144	0.00050	12.10	1.00779	0.00055	11.10	0.99988	0.00055
12.90	1.01549	0.00049	12.20	1.01211	0.00053	11.20	1.00327	0.00052
13.00	1.01756	0.00048						

1500			1700			1900		
8.90	0.92055	0.00055	8.80	0.92509	0.00059	8.60	0.91914	0.00059
9.00	0.92761	0.00055	8.85	0.92683	0.00061	8.70	0.92547	0.00059
9.10	0.93196	0.00056	8.90	0.93008	0.00058	8.80	0.93150	0.00059
9.20	0.93692	0.00055	8.95	0.93385	0.00056	8.90	0.93626	0.00061
9.30	0.94326	0.00056	9.00	0.93629	0.00058	9.00	0.94276	0.00061
9.40	0.94744	0.00054	9.05	0.93883	0.00058	9.10	0.94721	0.00060
9.50	0.95247	0.00056	9.10	0.94177	0.00062	9.20	0.95143	0.00062
9.60	0.95756	0.00053	9.15	0.94390	0.00059	9.30	0.95847	0.00060
9.70	0.96211	0.00056	9.20	0.94710	0.00058	9.40	0.96100	0.00060
9.80	0.96796	0.00053	9.25	0.94929	0.00059	9.50	0.96697	0.00058
9.90	0.97211	0.00055	9.30	0.95160	0.00056	9.60	0.97269	0.00060
10.00	0.97627	0.00056	9.35	0.95467	0.00058	9.70	0.97720	0.00059
10.10	0.98119	0.00055	9.40	0.95641	0.00060	9.80	0.98227	0.00058
10.20	0.98521	0.00057	9.45	0.95988	0.00059	9.90	0.98653	0.00059
10.30	0.98992	0.00054	9.50	0.96152	0.00061	10.00	0.99321	0.00062
10.40	0.99490	0.00052	9.55	0.96488	0.00059	10.10	0.99569	0.00061
10.50	0.99853	0.00055	9.60	0.96710	0.00058	10.20	1.00103	0.00060
10.60	1.00380	0.00052	9.65	0.96944	0.00060	10.30	1.00488	0.00058
10.70	1.00827	0.00055	9.70	0.97117	0.00059	10.40	1.01021	0.00060
10.80	1.01250	0.00056	9.75	0.97416	0.00059	10.50	1.01394	0.00059
10.90	1.01693	0.00055	9.80	0.97748	0.00059			
11.00	1.02055	0.00055	9.85	0.97974	0.00056			
			9.90	0.98060	0.00058			
			9.95	0.98431	0.00059			
			10.00	0.98565	0.00061			
			10.05	0.98895	0.00061			
			10.10	0.99113	0.00057			
			10.15	0.99312	0.00059			
			10.20	0.99562	0.00060			
			10.25	0.99755	0.00058			
			10.30	0.99978	0.00057			
			10.35	1.00156	0.00059			
			10.40	1.00338	0.00058			
			10.45	1.00668	0.00059			
			10.50	1.00884	0.00056			

10.55	1.01094	0.00058
10.60	1.01168	0.00059
10.65	1.01512	0.00060
10.70	1.01762	0.00058
10.75	1.02046	0.00061
10.80	1.02162	0.00057
10.85	1.02384	0.00057
10.90	1.02594	0.00057
10.95	1.02828	0.00060
11.00	1.03040	0.00060

2000

8.70	0.92737	0.00059
8.75	0.92932	0.00059
8.80	0.93222	0.00060
8.85	0.93558	0.00059
8.90	0.93837	0.00055
8.95	0.94091	0.00064
9.00	0.94234	0.00060
9.05	0.94688	0.00062
9.10	0.94958	0.00057
9.15	0.95142	0.00061
9.20	0.95425	0.00059
9.25	0.95698	0.00060
9.30	0.95992	0.00060
9.35	0.96130	0.00058
9.40	0.96462	0.00059
9.45	0.96706	0.00059
9.50	0.96851	0.00059
9.55	0.97230	0.00059
9.60	0.97424	0.00058
9.65	0.97624	0.00060
9.70	0.97895	0.00060
9.75	0.98132	0.00062
9.80	0.98323	0.00062
9.85	0.98567	0.00061
9.90	0.98801	0.00060
9.95	0.99185	0.00058
10.00	0.99228	0.00059
10.05	0.99575	0.00058
10.10	0.99954	0.00058
10.15	1.00073	0.00061
10.20	1.00266	0.00061
10.25	1.00471	0.00060
10.30	1.00674	0.00061
10.35	1.00828	0.00059
10.40	1.01121	0.00060
10.45	1.01355	0.00060
10.50	1.01637	0.00057

2100

8.60	0.92255	0.00059
8.65	0.92536	0.00061
8.70	0.92783	0.00059
8.75	0.93071	0.00060
8.80	0.93409	0.00061
8.85	0.93616	0.00061
8.90	0.93908	0.00060
8.95	0.94153	0.00058
9.00	0.94370	0.00057
9.05	0.94811	0.00061
9.10	0.94960	0.00062
9.15	0.95218	0.00061
9.20	0.95522	0.00060
9.25	0.95779	0.00059
9.30	0.95925	0.00061
9.35	0.96260	0.00060
9.40	0.96475	0.00060
9.45	0.96759	0.00060
9.50	0.96951	0.00059
9.55	0.97218	0.00059
9.60	0.97562	0.00060
9.65	0.97793	0.00059
9.70	0.97944	0.00060
9.75	0.98159	0.00060
9.80	0.98555	0.00061
9.85	0.98766	0.00060
9.90	0.99033	0.00061
9.95	0.99183	0.00062
10.00	0.99487	0.00060
10.05	0.99667	0.00058
10.10	0.99867	0.00061
10.15	1.00012	0.00059
10.20	1.00397	0.00060
10.25	1.00541	0.00064
10.30	1.00766	0.00056

2500

8.60	0.92235	0.00062
8.70	0.92810	0.00061
8.80	0.93316	0.00060
8.90	0.93922	0.00061
9.00	0.94417	0.00061
9.10	0.94854	0.00062
9.20	0.95450	0.00063
9.30	0.96024	0.00059
9.40	0.96451	0.00060
9.50	0.96846	0.00060
9.60	0.97390	0.00061
9.70	0.97891	0.00061
9.80	0.98289	0.00058
9.90	0.98881	0.00060
10.00	0.99267	0.00060
10.10	0.99750	0.00058
10.20	1.00080	0.00061
10.30	1.00718	0.00060
10.40	1.01234	0.00062
10.50	1.01555	0.00061
10.60	1.01983	0.00059
10.70	1.02408	0.00061
10.80	1.02843	0.00059
10.90	1.03130	0.00061
11.00	1.03579	0.00063

3000			4000			5000		
8.80	0.92431	0.00062	9.00	0.90660	0.00060	10.00	0.90900	0.00058
8.90	0.93022	0.00060	9.10	0.90926	0.00057	10.10	0.91339	0.00059
9.00	0.93595	0.00062	9.20	0.91523	0.00059	10.20	0.91732	0.00060
9.10	0.94006	0.00059	9.30	0.91991	0.00063	10.30	0.92051	0.00058
9.20	0.94657	0.00059	9.40	0.92522	0.00062	10.40	0.92416	0.00058
9.30	0.95068	0.00062	9.50	0.92969	0.00063	10.50	0.92833	0.00059
9.40	0.95542	0.00062	9.60	0.93366	0.00061	10.60	0.93221	0.00057
9.50	0.96097	0.00061	9.70	0.93859	0.00063	10.70	0.93685	0.00059
9.60	0.96500	0.00060	9.80	0.94318	0.00060	10.80	0.93994	0.00059
9.70	0.97000	0.00061	9.90	0.94746	0.00059	10.90	0.94407	0.00059
9.80	0.97422	0.00059	10.00	0.95150	0.00061	11.00	0.94676	0.00060
9.90	0.97930	0.00063	10.10	0.95538	0.00060	11.10	0.94993	0.00060
10.00	0.98300	0.00062	10.20	0.95947	0.00061	11.20	0.95436	0.00061
10.10	0.98820	0.00064	10.30	0.96380	0.00060	11.30	0.95828	0.00059
10.20	0.99285	0.00060	10.40	0.96836	0.00060	11.40	0.96088	0.00060
10.30	0.99686	0.00058	10.50	0.97322	0.00061	11.50	0.96380	0.00062
10.40	1.00037	0.00060	10.60	0.97592	0.00060	11.60	0.96698	0.00059
10.50	1.00585	0.00061	10.70	0.97992	0.00059	11.70	0.97003	0.00059
10.60	1.01082	0.00063	10.80	0.98403	0.00058	11.80	0.97273	0.00059
10.70	1.01328	0.00059	10.90	0.98721	0.00058	11.90	0.97835	0.00059
10.80	1.01959	0.00059	11.00	0.99122	0.00063	12.00	0.98077	0.00059
10.90	1.02121	0.00060	11.10	0.99514	0.00062	12.10	0.98272	0.00059
11.00	1.02630	0.00059	11.20	0.99873	0.00061	12.20	0.98694	0.00061
			11.30	1.00292	0.00060	12.30	0.98937	0.00059
			11.40	1.00603	0.00059	12.40	0.99310	0.00062
			11.50	1.01043	0.00059	12.50	0.99552	0.00060
			11.60	1.01328	0.00059	12.60	0.99918	0.00060
			11.70	1.01535	0.00061	12.70	1.00010	0.00060
			11.80	1.01936	0.00062	12.80	1.00438	0.00058
			11.90	1.02271	0.00059	12.90	1.00791	0.00059
			12.00	1.02580	0.00058	13.00	1.00842	0.00060

6000			7000			7500		
11.90	0.92521	0.00059	14.00	0.92106	0.00057	15.00	0.91070	0.00055
12.10	0.93019	0.00056	14.25	0.92601	0.00056	15.25	0.91504	0.00053
12.30	0.93678	0.00056	14.50	0.93142	0.00056	15.50	0.91858	0.00055
12.50	0.94202	0.00057	14.75	0.93689	0.00054	15.75	0.92326	0.00052
12.70	0.94829	0.00058	15.00	0.94051	0.00054	16.00	0.92795	0.00053
12.90	0.95304	0.00059	15.25	0.94765	0.00057	16.25	0.93259	0.00054
13.10	0.95878	0.00059	15.50	0.95216	0.00054	16.50	0.93587	0.00053
13.30	0.96328	0.00057	15.75	0.95604	0.00054	16.75	0.93988	0.00054
13.50	0.96889	0.00056	16.00	0.96045	0.00054	17.00	0.94437	0.00052
13.70	0.97306	0.00058	16.25	0.96277	0.00054	17.25	0.94754	0.00056
13.90	0.97845	0.00058	16.50	0.96901	0.00055	17.50	0.95142	0.00055
14.10	0.98255	0.00056	16.75	0.97327	0.00055	17.75	0.95548	0.00051
14.30	0.98764	0.00060	17.00	0.97645	0.00056	18.00	0.95802	0.00055
14.50	0.99180	0.00058	17.25	0.98104	0.00054	18.25	0.96219	0.00054
14.70	0.99571	0.00058	17.50	0.98531	0.00056	18.50	0.96607	0.00056
14.90	1.00125	0.00060	17.75	0.98822	0.00059	18.75	0.96888	0.00052
15.10	1.00394	0.00056	18.00	0.99299	0.00055	19.00	0.97146	0.00054
15.30	1.00906	0.00058	18.25	0.99532	0.00053	19.25	0.97557	0.00055
15.50	1.01398	0.00056	18.50	1.00011	0.00058	19.50	0.97820	0.00054
15.70	1.01616	0.00056	18.75	1.00420	0.00056	19.75	0.98207	0.00054
15.90	1.02160	0.00061	19.00	1.00507	0.00055	20.00	0.98400	0.00055
16.10	1.02497	0.00057	19.25	1.00982	0.00056	20.25	0.98678	0.00054
			19.50	1.01213	0.00056	20.50	0.98979	0.00055
			19.75	1.01636	0.00053	20.75	0.99450	0.00054
			20.00	1.01808	0.00056	21.00	0.99548	0.00053

21.25	0.99808	0.00056
21.50	1.00029	0.00054
21.75	1.00353	0.00055
22.00	1.00564	0.00052
22.25	1.00835	0.00053
22.50	1.00957	0.00052
22.75	1.01336	0.00052
23.00	1.01502	0.00055

8000			9000			10000		
18.00	0.92379	0.00054	28.00	0.93705	0.00047	999.98	0.96762	0.00034
18.25	0.92807	0.00052	29.00	0.94234	0.00048	999.99	0.96762	0.00034
18.50	0.93079	0.00053	30.00	0.94692	0.00048			
18.75	0.93488	0.00052	31.00	0.95141	0.00048			
19.00	0.93669	0.00052	32.00	0.95604	0.00046			
19.25	0.93924	0.00052	33.00	0.95987	0.00047			
19.50	0.94213	0.00050	34.00	0.96397	0.00045			
19.75	0.94609	0.00053	35.00	0.96708	0.00048			
20.00	0.94830	0.00053	36.00	0.97066	0.00046			
20.25	0.95165	0.00053	37.00	0.97391	0.00046			
20.50	0.95471	0.00051	38.00	0.97665	0.00046			
20.75	0.95750	0.00054	39.00	0.97994	0.00046			
21.00	0.96025	0.00050	40.00	0.98146	0.00045			
21.25	0.96147	0.00050	41.00	0.98489	0.00046			
21.50	0.96503	0.00052	42.00	0.98674	0.00044			
21.75	0.96645	0.00053	43.00	0.98985	0.00044			
22.00	0.97000	0.00053	44.00	0.99290	0.00043			
22.25	0.97168	0.00053	45.00	0.99519	0.00045			
22.50	0.97419	0.00051	46.00	0.99606	0.00045			
22.75	0.97693	0.00052	47.00	0.99838	0.00044			
23.00	0.97957	0.00052	48.00	1.00001	0.00043			
23.25	0.98104	0.00051	49.00	1.00195	0.00045			
23.50	0.98406	0.00050	50.00	1.00288	0.00047			
23.75	0.98493	0.00049						
24.00	0.98647	0.00050						
24.25	0.98904	0.00051						
24.50	0.99169	0.00052						
24.75	0.99158	0.00051						
25.00	0.99515	0.00051						
25.25	0.99631	0.00050						
25.50	0.99866	0.00053						
25.75	0.99960	0.00053						
26.00	1.00273	0.00050						
26.25	1.00351	0.00052						
26.50	1.00529	0.00052						
26.75	1.00611	0.00052						
27.00	1.00786	0.00052						
27.25	1.01029	0.00052						
27.50	1.01056	0.00051						
27.75	1.01291	0.00051						
28.00	1.01460	0.00052						

sumtable.u5o2-icyl-0060-00

20			25			30		
999.98	0.15474	0.00004	999.98	0.18932	0.00005	999.98	0.22256	0.00006
999.99	0.15474	0.00004	999.99	0.18932	0.00005	999.99	0.22256	0.00006

40			45			50		
999.98	0.28508	0.00007	999.98	0.31453	0.00007	999.98	0.34297	0.00008
999.99	0.28508	0.00007	999.99	0.31453	0.00007	999.99	0.34297	0.00008

55			60			65		
999.98	0.37024	0.00009	999.98	0.39674	0.00009	999.98	0.42225	0.00010
999.99	0.37024	0.00009	999.99	0.39674	0.00009	999.99	0.42225	0.00010

70			80			100		
999.98	0.44673	0.00010	999.98	0.49294	0.00011	999.98	0.57733	0.00013
999.99	0.44673	0.00010	999.99	0.49294	0.00011	999.99	0.57733	0.00013

130			150			170		
999.98	0.68526	0.00016	999.98	0.74705	0.00016	999.90	0.80237	0.00016
999.99	0.68526	0.00016	999.99	0.74705	0.00016	999.93	0.80237	0.00016
						999.96	0.80237	0.00016
						999.99	0.80237	0.00016

200			350			400		
999.98	0.87504	0.00018	20.00	0.91520	0.00042	18.60	0.93416	0.00043
999.99	0.87504	0.00018	20.25	0.91869	0.00042	18.80	0.93860	0.00043
			20.50	0.92257	0.00041	19.00	0.94147	0.00040
			20.75	0.92611	0.00042	19.20	0.94623	0.00043
			21.00	0.92980	0.00041	19.40	0.94966	0.00041
			21.25	0.93369	0.00040	19.60	0.95280	0.00042
			21.50	0.93586	0.00040	19.80	0.95650	0.00041
			21.75	0.93956	0.00042	20.00	0.95933	0.00041
			22.00	0.94359	0.00040	20.20	0.96266	0.00043
			22.25	0.94713	0.00040	20.40	0.96636	0.00041
			22.50	0.94917	0.00038	20.60	0.96993	0.00043
			22.75	0.95278	0.00041	20.80	0.97244	0.00043
			23.00	0.95386	0.00039	21.00	0.97542	0.00039
			23.25	0.95726	0.00040	21.20	0.97861	0.00041
			23.50	0.96038	0.00039	21.40	0.98082	0.00040
			23.75	0.96293	0.00042	21.60	0.98366	0.00040
			24.00	0.96662	0.00039	21.80	0.98682	0.00042
			24.25	0.96891	0.00039	22.00	0.98912	0.00040
			24.50	0.97129	0.00038	22.20	0.99177	0.00040
			24.75	0.97335	0.00039	22.40	0.99431	0.00039
			25.00	0.97577	0.00038	22.60	0.99702	0.00038
			25.25	0.97826	0.00038	22.80	0.99932	0.00040
			25.50	0.98063	0.00038	23.00	1.00214	0.00040
			25.75	0.98244	0.00038			
			26.00	0.98452	0.00038			
			26.25	0.98766	0.00037			
			26.50	0.98815	0.00038			
			26.75	0.99088	0.00038			
			27.00	0.99389	0.00037			
			27.25	0.99462	0.00038			
			27.50	0.99685	0.00037			
			27.75	0.99816	0.00038			
			28.00	1.00045	0.00036			
			28.25	1.00293	0.00036			
			28.50	1.00342	0.00038			
			28.75	1.00633	0.00036			
			29.00	1.00787	0.00036			
			29.25	1.00885	0.00037			
			29.50	1.00995	0.00037			

500			650			800		
15.80	0.93533	0.00053	13.80	0.93096	0.00052	12.60	0.92101	0.00061
15.90	0.93823	0.00052	13.90	0.93633	0.00051	12.70	0.92538	0.00060
16.00	0.94068	0.00052	14.00	0.94063	0.00051	12.80	0.93076	0.00058
16.10	0.94425	0.00052	14.10	0.94434	0.00053	12.90	0.93633	0.00059
16.20	0.94669	0.00050	14.20	0.94873	0.00052	13.00	0.94002	0.00060
16.30	0.94939	0.00049	14.30	0.95302	0.00052	13.10	0.94380	0.00060
16.40	0.95244	0.00050	14.40	0.95574	0.00052	13.20	0.94834	0.00060
16.50	0.95401	0.00049	14.50	0.95900	0.00053	13.30	0.95264	0.00060
16.60	0.95638	0.00049	14.60	0.96177	0.00052	13.40	0.95848	0.00062
16.70	0.96017	0.00048	14.70	0.96674	0.00053	13.50	0.96186	0.00057
16.80	0.96300	0.00048	14.80	0.96920	0.00055	13.60	0.96662	0.00060
16.90	0.96498	0.00051	14.90	0.97295	0.00052	13.70	0.97069	0.00057
17.00	0.96687	0.00049	15.00	0.97585	0.00052	13.80	0.97533	0.00060
17.10	0.96954	0.00051	15.10	0.98019	0.00053	13.90	0.97773	0.00062
17.20	0.97253	0.00051	15.20	0.98262	0.00054	14.00	0.98221	0.00058
17.30	0.97417	0.00048	15.30	0.98558	0.00051	14.10	0.98628	0.00058
17.40	0.97638	0.00049	15.40	0.98983	0.00052	14.20	0.99013	0.00057
17.50	0.97969	0.00051	15.50	0.99136	0.00054	14.30	0.99330	0.00061
17.60	0.98213	0.00049	15.60	0.99552	0.00051	14.40	0.99808	0.00057
17.70	0.98390	0.00047	15.70	0.99880	0.00050	14.50	1.00087	0.00058
17.80	0.98584	0.00049	15.80	1.00213	0.00053	14.60	1.00494	0.00057
17.90	0.98822	0.00048	15.90	1.00516	0.00052	14.70	1.00893	0.00056
18.00	0.99111	0.00048	16.00	1.00825	0.00052	14.80	1.01212	0.00058
18.10	0.99328	0.00049				14.90	1.01614	0.00059
18.20	0.99449	0.00048				15.00	1.01882	0.00061
18.30	0.99816	0.00049				15.10	1.02335	0.00058
18.40	0.99938	0.00048						
18.50	1.00143	0.00047						
18.60	1.00302	0.00049						

900			1000			1200		
12.50	0.93466	0.00054	12.00	0.92406	0.00061	11.50	0.91562	0.00060
12.60	0.93888	0.00058	12.05	0.92662	0.00063	11.60	0.92055	0.00061
12.70	0.94488	0.00057	12.10	0.92914	0.00060	11.70	0.92762	0.00060
12.80	0.95077	0.00060	12.15	0.93227	0.00064	11.80	0.93277	0.00062
12.90	0.95394	0.00057	12.20	0.93437	0.00065	11.90	0.93873	0.00062
13.00	0.95874	0.00058	12.25	0.93679	0.00060	12.00	0.94254	0.00058
13.10	0.96281	0.00057	12.30	0.93942	0.00061	12.10	0.94806	0.00061
13.20	0.96817	0.00056	12.35	0.94270	0.00059	12.20	0.95441	0.00062
13.30	0.97174	0.00060	12.40	0.94452	0.00062	12.30	0.95905	0.00062
13.40	0.97586	0.00058	12.45	0.94802	0.00061	12.40	0.96505	0.00058
13.50	0.98200	0.00062	12.50	0.95013	0.00065	12.50	0.97080	0.00059
13.60	0.98619	0.00056	12.55	0.95197	0.00062	12.60	0.97429	0.00060
13.70	0.98965	0.00056	12.60	0.95438	0.00061	12.70	0.97807	0.00061
13.80	0.99327	0.00058	12.65	0.95723	0.00062	12.80	0.98448	0.00061
13.90	0.99739	0.00058	12.70	0.95972	0.00063	12.90	0.98933	0.00062
14.00	1.00257	0.00059	12.75	0.96246	0.00060	13.00	0.99367	0.00061
14.10	1.00590	0.00055	12.80	0.96412	0.00061	13.10	0.99938	0.00059
14.20	1.01002	0.00057	12.85	0.96641	0.00060	13.20	1.00381	0.00061
			12.90	0.96842	0.00064	13.30	1.00930	0.00061
			12.95	0.97146	0.00061	13.40	1.01242	0.00060
			13.00	0.97498	0.00063	13.50	1.01743	0.00059
			13.05	0.97637	0.00064	13.60	1.02062	0.00059
			13.10	0.97841	0.00063	13.70	1.02500	0.00060
			13.15	0.98159	0.00063	13.80	1.02843	0.00058
			13.20	0.98178	0.00060	13.90	1.03359	0.00063
			13.25	0.98457	0.00061	14.00	1.03880	0.00057

13.30	0.98816	0.00059
13.35	0.98929	0.00065
13.40	0.99176	0.00064
13.45	0.99405	0.00060
13.50	0.99638	0.00062
13.55	0.99842	0.00063
13.60	1.00032	0.00061
13.65	1.00308	0.00061
13.70	1.00556	0.00062
13.75	1.00691	0.00064
13.80	1.00748	0.00061
13.85	1.01071	0.00062
13.90	1.01303	0.00061
13.95	1.01518	0.00062
14.00	1.01671	0.00061

1500

11.30	0.91862	0.00066
11.40	0.92415	0.00068
11.50	0.92929	0.00065
11.60	0.93475	0.00066
11.70	0.94230	0.00068
11.80	0.94730	0.00064
11.90	0.95280	0.00069
12.00	0.95858	0.00066
12.10	0.96407	0.00064
12.20	0.96908	0.00068
12.30	0.97560	0.00067
12.40	0.97856	0.00066
12.50	0.98601	0.00065
12.60	0.98935	0.00067
12.70	0.99447	0.00064
12.80	0.99880	0.00066
12.90	1.00548	0.00066
13.00	1.00883	0.00067
13.10	1.01366	0.00066
13.20	1.01864	0.00065
13.30	1.02366	0.00066

1700

11.00	0.90226	0.00065
11.10	0.90816	0.00065
11.20	0.91555	0.00068
11.30	0.92135	0.00066
11.40	0.92659	0.00065
11.50	0.93356	0.00068
11.60	0.93879	0.00065
11.70	0.94543	0.00068
11.80	0.95110	0.00065
11.90	0.95605	0.00066
12.00	0.96178	0.00068
12.10	0.96756	0.00067
12.20	0.97221	0.00065
12.30	0.97718	0.00068
12.40	0.98224	0.00067
12.50	0.98851	0.00066
12.60	0.99419	0.00069
12.70	0.99841	0.00069
12.80	1.00270	0.00063
12.90	1.00837	0.00067
13.00	1.01389	0.00065
13.10	1.01768	0.00069
13.20	1.02383	0.00067
13.30	1.02699	0.00069

1900

11.00	0.90277	0.00067
11.05	0.90726	0.00067
11.10	0.90888	0.00067
11.15	0.91200	0.00068
11.20	0.91508	0.00069
11.25	0.91850	0.00065
11.30	0.92084	0.00070
11.35	0.92345	0.00068
11.40	0.92754	0.00071
11.45	0.93066	0.00069
11.50	0.93387	0.00070
11.55	0.93509	0.00071
11.60	0.93931	0.00068
11.65	0.94265	0.00068
11.70	0.94381	0.00067
11.75	0.94767	0.00067
11.80	0.95128	0.00068
11.85	0.95494	0.00070
11.90	0.95664	0.00065
11.95	0.95907	0.00066
12.00	0.96211	0.00068
12.05	0.96382	0.00066
12.10	0.96570	0.00069
12.15	0.97002	0.00066
12.20	0.97285	0.00067
12.25	0.97619	0.00066
12.30	0.97860	0.00069
12.35	0.98166	0.00068
12.40	0.98256	0.00068
12.45	0.98511	0.00066
12.50	0.98743	0.00070
12.55	0.99171	0.00065
12.60	0.99331	0.00066
12.65	0.99634	0.00069
12.70	0.99723	0.00068
12.75	1.00112	0.00066
12.80	1.00396	0.00067
12.85	1.00576	0.00068
12.90	1.00851	0.00068
12.95	1.01188	0.00069
13.00	1.01381	0.00064

2000			2100			2500		
11.30	0.91907	0.00066	11.00	0.89994	0.00068	11.50	0.92225	0.00069
11.35	0.92311	0.00067	11.10	0.90613	0.00068	11.55	0.92532	0.00066
11.40	0.92639	0.00068	11.20	0.91194	0.00069	11.60	0.92688	0.00068
11.45	0.92870	0.00068	11.30	0.91874	0.00067	11.65	0.92995	0.00067
11.50	0.93168	0.00069	11.40	0.92526	0.00066	11.70	0.93317	0.00068
11.55	0.93543	0.00068	11.50	0.93101	0.00069	11.75	0.93614	0.00067
11.60	0.93938	0.00070	11.60	0.93705	0.00071	11.80	0.93926	0.00069
11.65	0.94133	0.00068	11.70	0.94317	0.00066	11.85	0.94121	0.00070
11.70	0.94477	0.00068	11.80	0.94684	0.00074	11.90	0.94518	0.00068
11.75	0.94730	0.00068	11.90	0.95489	0.00068	11.95	0.94788	0.00067
11.80	0.95132	0.00066	12.00	0.95913	0.00069	12.00	0.95033	0.00066
11.85	0.95256	0.00069	12.10	0.96443	0.00068	12.05	0.95293	0.00070
11.90	0.95531	0.00066	12.20	0.97118	0.00067	12.10	0.95575	0.00068
11.95	0.95854	0.00067	12.30	0.97606	0.00064	12.15	0.95869	0.00067
12.00	0.96137	0.00065	12.40	0.98158	0.00067	12.20	0.96141	0.00068
12.05	0.96413	0.00068	12.50	0.98621	0.00070	12.25	0.96412	0.00067
12.10	0.96608	0.00068	12.60	0.99221	0.00067	12.30	0.96676	0.00070
12.15	0.96919	0.00068	12.70	0.99595	0.00069	12.35	0.96943	0.00069
12.20	0.97119	0.00065	12.80	1.00174	0.00069	12.40	0.97151	0.00072
12.25	0.97422	0.00069	12.90	1.00610	0.00068	12.45	0.97385	0.00070
12.30	0.97788	0.00066	13.00	1.01056	0.00067	12.50	0.97757	0.00070
12.35	0.97953	0.00069	13.10	1.01567	0.00065	12.55	0.98081	0.00069
12.40	0.98317	0.00067	13.20	1.02085	0.00066	12.60	0.98157	0.00067
12.45	0.98500	0.00068	13.30	1.02639	0.00068	12.65	0.98387	0.00071
12.50	0.98801	0.00068				12.70	0.98685	0.00070
12.55	0.99159	0.00069				12.75	0.98835	0.00068
12.60	0.99286	0.00066				12.80	0.99264	0.00068
12.65	0.99490	0.00067				12.85	0.99524	0.00067
12.70	0.99945	0.00068				12.90	0.99713	0.00068
12.75	1.00029	0.00066				12.95	1.00052	0.00067
12.80	1.00357	0.00066				13.00	1.00254	0.00066
12.85	1.00511	0.00065						
12.90	1.00873	0.00067						
12.95	1.01009	0.00069						
13.00	1.01334	0.00067						

3000			4000			5000		
12.20	0.94164	0.00068	12.80	0.92379	0.00068	14.40	0.93562	0.00065
12.25	0.94474	0.00066	12.85	0.92613	0.00067	14.50	0.93991	0.00063
12.30	0.94622	0.00066	12.90	0.92787	0.00066	14.60	0.94330	0.00064
12.35	0.95016	0.00069	12.95	0.93127	0.00066	14.70	0.94618	0.00066
12.40	0.95301	0.00065	13.00	0.93276	0.00070	14.80	0.95034	0.00063
12.45	0.95538	0.00068	13.05	0.93592	0.00067	14.90	0.95386	0.00065
12.50	0.95762	0.00066	13.10	0.93790	0.00067	15.00	0.95782	0.00065
12.55	0.96115	0.00067	13.15	0.94062	0.00065	15.10	0.96029	0.00063
12.60	0.96335	0.00066	13.20	0.94280	0.00066	15.20	0.96593	0.00064
12.65	0.96514	0.00069	13.25	0.94561	0.00064	15.30	0.96950	0.00063
12.70	0.96799	0.00067	13.30	0.94765	0.00071	15.40	0.97263	0.00064
12.75	0.97034	0.00068	13.35	0.95089	0.00067	15.50	0.97667	0.00064
12.80	0.97339	0.00067	13.40	0.95296	0.00068	15.60	0.97941	0.00068
12.85	0.97539	0.00067	13.45	0.95536	0.00064	15.70	0.98296	0.00065
12.90	0.97830	0.00073	13.50	0.95632	0.00066	15.80	0.98603	0.00065
12.95	0.98099	0.00068	13.55	0.95887	0.00067	15.90	0.98863	0.00064
13.00	0.98290	0.00068	13.60	0.96150	0.00066	16.00	0.99289	0.00064
13.05	0.98531	0.00068	13.65	0.96336	0.00065	16.10	0.99559	0.00064
13.10	0.98751	0.00071	13.70	0.96501	0.00067	16.20	0.99766	0.00067
13.15	0.99055	0.00070	13.75	0.96659	0.00067	16.30	1.00084	0.00066
13.20	0.99287	0.00067	13.80	0.96971	0.00067	16.40	1.00592	0.00062
13.25	0.99426	0.00067	13.85	0.97270	0.00064	16.50	1.00773	0.00064

13.30	0.99667	0.00068	13.90	0.97450	0.00068
13.35	0.99944	0.00066	13.95	0.97562	0.00068
13.40	1.00052	0.00070	14.00	0.97805	0.00066
13.45	1.00388	0.00066	14.05	0.98095	0.00065
13.50	1.00497	0.00071	14.10	0.98293	0.00065
			14.15	0.98487	0.00069
			14.20	0.98645	0.00068
			14.25	0.98860	0.00064
			14.30	0.99198	0.00067
			14.35	0.99323	0.00066
			14.40	0.99511	0.00069
			14.45	0.99623	0.00065
			14.50	0.99935	0.00069
			14.55	1.00059	0.00070
			14.60	1.00419	0.00066
			14.65	1.00440	0.00066
			14.70	1.00660	0.00065
			14.75	1.00798	0.00066
			14.80	1.01023	0.00066
			14.85	1.01268	0.00067
			14.90	1.01500	0.00065
			14.95	1.01554	0.00070
			15.00	1.01699	0.00067

6000			7000			7500		
16.40	0.93969	0.00061	18.00	0.91254	0.00059	21.00	0.94085	0.00055
16.50	0.94332	0.00061	18.25	0.91937	0.00057	21.20	0.94351	0.00054
16.60	0.94501	0.00061	18.50	0.92609	0.00058	21.40	0.94852	0.00056
16.70	0.94844	0.00060	18.75	0.92995	0.00059	21.60	0.95135	0.00057
16.80	0.95171	0.00062	19.00	0.93787	0.00058	21.80	0.95473	0.00054
16.90	0.95420	0.00061	19.25	0.94233	0.00055	22.00	0.95892	0.00053
17.00	0.95771	0.00061	19.50	0.94803	0.00055	22.20	0.96159	0.00055
17.10	0.96009	0.00058	19.75	0.95317	0.00058	22.40	0.96553	0.00052
17.20	0.96354	0.00062	20.00	0.95793	0.00058	22.60	0.96818	0.00056
17.30	0.96631	0.00060	20.25	0.96313	0.00056	22.80	0.97227	0.00054
17.40	0.96812	0.00059	20.50	0.96918	0.00057	23.00	0.97474	0.00055
17.50	0.97067	0.00059	20.75	0.97319	0.00056	23.20	0.97730	0.00054
17.60	0.97472	0.00061	21.00	0.97944	0.00057	23.40	0.97992	0.00053
17.70	0.97694	0.00060	21.25	0.98254	0.00055	23.60	0.98389	0.00055
17.80	0.97924	0.00062	21.50	0.98777	0.00057	23.80	0.98675	0.00053
17.90	0.98216	0.00062	21.75	0.99299	0.00058	24.00	0.98975	0.00056
18.00	0.98576	0.00062	22.00	0.99804	0.00058	24.20	0.99173	0.00055
18.10	0.98721	0.00058	22.25	1.00072	0.00054	24.40	0.99431	0.00054
18.20	0.98924	0.00062	22.50	1.00485	0.00058	24.60	0.99794	0.00054
18.30	0.99200	0.00062	22.75	1.00835	0.00056	24.80	1.00056	0.00057
18.40	0.99374	0.00060	23.00	1.01191	0.00058	25.00	1.00322	0.00055
18.50	0.99828	0.00060	23.25	1.01631	0.00058	25.20	1.00608	0.00054
18.60	1.00013	0.00063	23.50	1.02063	0.00057			
18.70	1.00169	0.00061	23.75	1.02481	0.00057			
18.80	1.00402	0.00060	24.00	1.02679	0.00056			

8000			9000			10000		
22.00	0.91978	0.00052	29.00	0.92978	0.00044	999.98	1.02502	0.00035
22.25	0.92422	0.00050	29.75	0.93633	0.00047	999.99	1.02502	0.00035
22.50	0.92914	0.00055	30.50	0.94197	0.00046			
22.75	0.93242	0.00051	31.25	0.94761	0.00046			
23.00	0.93608	0.00052	32.00	0.95343	0.00047			
23.25	0.94032	0.00054	32.75	0.95941	0.00046			
23.50	0.94518	0.00052	33.50	0.96445	0.00045			
23.75	0.94664	0.00052	34.25	0.96972	0.00044			
24.00	0.95097	0.00053	35.00	0.97419	0.00046			
24.25	0.95414	0.00051	35.75	0.97785	0.00046			
24.50	0.95784	0.00053	36.50	0.98234	0.00046			
24.75	0.96169	0.00053	37.25	0.98649	0.00046			
25.00	0.96444	0.00051	38.00	0.98983	0.00045			
25.25	0.96750	0.00053	38.75	0.99361	0.00045			
25.50	0.96994	0.00052	39.50	0.99708	0.00046			
25.75	0.97458	0.00050	40.25	1.00042	0.00046			
26.00	0.97859	0.00054	41.00	1.00345	0.00046			
26.25	0.97977	0.00052	41.75	1.00651	0.00044			
26.50	0.98273	0.00052	42.50	1.00887	0.00045			
26.75	0.98528	0.00052	43.25	1.01135	0.00045			
27.00	0.98733	0.00052	44.00	1.01406	0.00044			
27.25	0.99004	0.00051						
27.50	0.99350	0.00051						
27.75	0.99623	0.00050						
28.00	0.99905	0.00051						
28.25	1.00078	0.00052						
28.50	1.00282	0.00052						
28.75	1.00568	0.00051						
29.00	1.00673	0.00052						
29.25	1.00950	0.00052						
29.50	1.01147	0.00052						
29.75	1.01447	0.00052						
30.00	1.01630	0.00052						
30.25	1.01960	0.00053						
30.50	1.01989	0.00051						
30.75	1.02235	0.00052						
31.00	1.02347	0.00053						
31.25	1.02600	0.00049						
31.50	1.02868	0.00052						
31.75	1.03104	0.00051						
32.00	1.03191	0.00053						

sumtable.u5o2-icyl-0060-01

20			25			30		
999.98	0.15474	0.00004	999.98	0.18932	0.00005	999.98	0.22256	0.00006
999.99	0.15474	0.00004	999.99	0.18932	0.00005	999.99	0.22256	0.00006

40			45			50		
999.98	0.28508	0.00007	999.98	0.31453	0.00007	999.98	0.34297	0.00008
999.99	0.28508	0.00007	999.99	0.31453	0.00007	999.99	0.34297	0.00008

55			60			65		
999.98	0.37024	0.00009	999.98	0.39674	0.00009	999.98	0.42225	0.00010
999.99	0.37024	0.00009	999.99	0.39674	0.00009	999.99	0.42225	0.00010

70			80			100		
999.98	0.44673	0.00010	999.98	0.49294	0.00011	999.98	0.57733	0.00013
999.99	0.44673	0.00010	999.99	0.49294	0.00011	999.99	0.57733	0.00013

130			150			170		
999.98	0.68526	0.00016	999.98	0.74705	0.00016	999.93	0.80237	0.00016
999.99	0.68526	0.00016	999.99	0.74705	0.00016	999.95	0.80237	0.00016
						999.97	0.80237	0.00016
						999.99	0.80237	0.00016

200			350			400		
999.98	0.87504	0.00018	19.00	0.92318	0.00039	17.20	0.93742	0.00042
999.99	0.87504	0.00018	19.50	0.93137	0.00040	17.40	0.94091	0.00041
			20.00	0.93810	0.00040	17.60	0.94558	0.00041
			20.50	0.94327	0.00041	17.80	0.94806	0.00040
			21.00	0.95000	0.00039	18.00	0.95251	0.00039
			21.50	0.95503	0.00039	18.20	0.95604	0.00040
			22.00	0.96104	0.00041	18.40	0.95850	0.00041
			22.50	0.96644	0.00038	18.60	0.96190	0.00041
			23.00	0.97180	0.00036	18.80	0.96592	0.00042
			23.50	0.97569	0.00038	19.00	0.96837	0.00040
			24.00	0.98110	0.00037	19.20	0.97086	0.00040
			24.50	0.98497	0.00038	19.40	0.97435	0.00039
			25.00	0.98947	0.00038	19.60	0.97752	0.00040
			25.50	0.99381	0.00039	19.80	0.98053	0.00040
			26.00	0.99609	0.00035	20.00	0.98387	0.00040
			26.50	1.00113	0.00036	20.20	0.98668	0.00041
			27.00	1.00483	0.00034	20.40	0.98878	0.00040
			27.50	1.00913	0.00035	20.60	0.99170	0.00040
			28.00	1.01086	0.00036	20.80	0.99429	0.00039
			28.50	1.01442	0.00035	21.00	0.99750	0.00039
			29.00	1.01776	0.00035	21.20	0.99904	0.00040
			29.50	1.01993	0.00036	21.40	1.00163	0.00039
			30.00	1.02254	0.00035	21.60	1.00365	0.00039

500			650			800		
13.00	0.89701	0.00050	12.30	0.93565	0.00053	11.00	0.92060	0.00055
13.25	0.90451	0.00051	12.40	0.93948	0.00050	11.10	0.92385	0.00056
13.50	0.91185	0.00051	12.50	0.94168	0.00050	11.20	0.92867	0.00057
13.75	0.92086	0.00049	12.60	0.94791	0.00051	11.30	0.93510	0.00058
14.00	0.92894	0.00048	12.70	0.94995	0.00050	11.40	0.93870	0.00058
14.25	0.93567	0.00049	12.80	0.95413	0.00051	11.50	0.94432	0.00057
14.50	0.94214	0.00048	12.90	0.95755	0.00049	11.60	0.94818	0.00056
14.75	0.94938	0.00050	13.00	0.96165	0.00052	11.70	0.95116	0.00059
15.00	0.95711	0.00050	13.10	0.96466	0.00052	11.80	0.95633	0.00057
15.25	0.96230	0.00051	13.20	0.96899	0.00051	11.90	0.96035	0.00056
15.50	0.96925	0.00049	13.30	0.97213	0.00050	12.00	0.96523	0.00057
15.75	0.97588	0.00048	13.40	0.97627	0.00052	12.10	0.96932	0.00055
16.00	0.98132	0.00049	13.50	0.97904	0.00052	12.20	0.97426	0.00056
16.25	0.98653	0.00046	13.60	0.98192	0.00053	12.30	0.97782	0.00056
16.50	0.99234	0.00048	13.70	0.98530	0.00050	12.40	0.98151	0.00057
16.75	0.99741	0.00048	13.80	0.98905	0.00051	12.50	0.98552	0.00055
17.00	1.00187	0.00046	13.90	0.99217	0.00052	12.60	0.98833	0.00057
17.25	1.00830	0.00048	14.00	0.99393	0.00051	12.70	0.99416	0.00056
17.50	1.01262	0.00047	14.10	0.99744	0.00050	12.80	0.99661	0.00058
17.75	1.01781	0.00048	14.20	1.00153	0.00050	12.90	1.00014	0.00057
18.00	1.02193	0.00048	14.30	1.00467	0.00053	13.00	1.00512	0.00056

900		
11.00	0.93903	0.00056
11.05	0.94165	0.00053
11.10	0.94394	0.00056
11.15	0.94610	0.00057
11.20	0.94962	0.00058
11.25	0.95029	0.00058
11.30	0.95442	0.00057
11.35	0.95727	0.00056
11.40	0.95937	0.00057
11.45	0.96108	0.00057
11.50	0.96349	0.00056
11.55	0.96518	0.00057
11.60	0.96718	0.00058
11.65	0.97022	0.00057
11.70	0.97295	0.00057
11.75	0.97454	0.00056
11.80	0.97562	0.00056
11.85	0.97827	0.00057
11.90	0.98122	0.00055
11.95	0.98370	0.00056
12.00	0.98570	0.00058
12.05	0.98772	0.00057
12.10	0.99024	0.00059
12.15	0.99154	0.00055
12.20	0.99275	0.00057
12.25	0.99597	0.00054
12.30	0.99674	0.00055
12.35	0.99938	0.00055
12.40	1.00221	0.00055

1000		
10.40	0.92388	0.00060
10.45	0.92799	0.00061
10.50	0.92863	0.00059
10.55	0.93116	0.00061
10.60	0.93487	0.00064
10.65	0.93551	0.00060
10.70	0.93856	0.00062
10.75	0.94121	0.00062
10.80	0.94629	0.00060
10.85	0.94756	0.00060
10.90	0.94925	0.00059
10.95	0.95183	0.00061
11.00	0.95532	0.00061
11.05	0.95747	0.00059
11.10	0.95981	0.00063
11.15	0.96142	0.00059
11.20	0.96458	0.00062
11.25	0.96602	0.00061
11.30	0.96911	0.00062
11.35	0.97132	0.00060
11.40	0.97491	0.00060
11.45	0.97698	0.00059
11.50	0.97721	0.00059
11.55	0.98143	0.00062
11.60	0.98349	0.00062
11.65	0.98437	0.00061
11.70	0.98792	0.00062
11.75	0.98965	0.00059
11.80	0.99164	0.00060
11.85	0.99527	0.00061
11.90	0.99596	0.00062
11.95	0.99787	0.00060
12.00	0.99991	0.00058
12.05	1.00344	0.00057
12.10	1.00382	0.00057
12.15	1.00752	0.00056
12.20	1.00964	0.00057

1200		
10.00	0.92123	0.00059
10.10	0.92741	0.00058
10.20	0.93363	0.00059
10.30	0.93877	0.00060
10.40	0.94480	0.00059
10.50	0.95025	0.00058
10.60	0.95543	0.00058
10.70	0.96102	0.00060
10.80	0.96577	0.00061
10.90	0.97138	0.00061
11.00	0.97660	0.00059
11.10	0.98178	0.00059
11.20	0.98462	0.00057
11.30	0.99006	0.00058
11.40	0.99570	0.00058
11.50	0.99886	0.00060
11.60	1.00372	0.00061
11.70	1.00877	0.00059
11.80	1.01401	0.00059
11.90	1.01725	0.00061
12.00	1.02127	0.00061

1500		
9.80	0.92668	0.00067
9.85	0.92838	0.00062
9.90	0.93168	0.00065
9.95	0.93549	0.00065
10.00	0.93897	0.00063
10.05	0.94082	0.00066
10.10	0.94381	0.00062
10.15	0.94678	0.00066
10.20	0.94990	0.00066
10.25	0.95160	0.00065
10.30	0.95388	0.00066
10.35	0.95752	0.00064
10.40	0.96101	0.00066
10.45	0.96357	0.00064
10.50	0.96597	0.00065
10.55	0.96869	0.00065
10.60	0.97175	0.00064
10.65	0.97527	0.00063

1700		
9.60	0.91940	0.00064
9.65	0.92168	0.00063
9.70	0.92457	0.00064
9.75	0.92735	0.00068
9.80	0.92975	0.00064
9.85	0.93238	0.00065
9.90	0.93607	0.00067
9.95	0.93938	0.00062
10.00	0.94298	0.00067
10.05	0.94520	0.00066
10.10	0.94883	0.00067
10.15	0.95151	0.00067
10.20	0.95392	0.00063
10.25	0.95702	0.00066
10.30	0.95959	0.00067
10.35	0.96086	0.00068
10.40	0.96490	0.00069
10.45	0.96682	0.00062

1900		
9.70	0.92504	0.00067
9.75	0.92871	0.00066
9.80	0.93193	0.00064
9.85	0.93409	0.00067
9.90	0.93781	0.00067
9.95	0.94064	0.00067
10.00	0.94301	0.00065
10.05	0.94584	0.00065
10.10	0.94962	0.00066
10.15	0.95252	0.00070
10.20	0.95483	0.00068
10.25	0.95737	0.00067
10.30	0.96032	0.00067
10.35	0.96180	0.00066
10.40	0.96468	0.00068
10.45	0.96802	0.00064
10.50	0.97096	0.00065
10.55	0.97342	0.00065

10.70	0.97647	0.00061
10.75	0.97850	0.00067
10.80	0.98287	0.00064
10.85	0.98335	0.00064
10.90	0.98758	0.00063
10.95	0.98947	0.00065
11.00	0.99274	0.00063
11.05	0.99501	0.00068
11.10	0.99652	0.00063
11.15	0.99891	0.00064
11.20	1.00040	0.00066
11.25	1.00446	0.00065
11.30	1.00692	0.00065
11.35	1.00944	0.00062
11.40	1.01208	0.00064
11.45	1.01320	0.00064
11.50	1.01726	0.00063
11.55	1.01809	0.00063
11.60	1.01988	0.00063

10.50	0.96970	0.00065
10.55	0.97230	0.00064
10.60	0.97744	0.00065
10.65	0.97767	0.00065
10.70	0.98148	0.00065
10.75	0.98352	0.00066
10.80	0.98484	0.00065
10.85	0.98989	0.00064
10.90	0.99103	0.00067
10.95	0.99475	0.00067
11.00	0.99629	0.00064
11.05	0.99953	0.00064
11.10	1.00185	0.00067
11.15	1.00270	0.00066
11.20	1.00571	0.00065
11.25	1.00838	0.00066
11.30	1.01119	0.00065

10.60	0.97565	0.00064
10.65	0.97867	0.00065
10.70	0.98267	0.00067
10.75	0.98512	0.00065
10.80	0.98827	0.00065
10.85	0.99081	0.00067
10.90	0.99281	0.00066
10.95	0.99520	0.00068
11.00	0.99693	0.00067
11.05	0.99980	0.00067
11.10	1.00320	0.00062
11.15	1.00445	0.00065
11.20	1.00796	0.00067
11.25	1.00981	0.00065
11.30	1.01183	0.00066
11.35	1.01501	0.00066
11.40	1.01663	0.00066
11.45	1.01997	0.00065
11.50	1.02128	0.00067

2000

9.60	0.91943	0.00068
9.65	0.92214	0.00067
9.70	0.92441	0.00066
9.75	0.92697	0.00067
9.80	0.93113	0.00067
9.85	0.93428	0.00068
9.90	0.93693	0.00065
9.95	0.93899	0.00063
10.00	0.94272	0.00066
10.05	0.94527	0.00066
10.10	0.94876	0.00064
10.15	0.95164	0.00065
10.20	0.95453	0.00067
10.25	0.95719	0.00064
10.30	0.95979	0.00066
10.35	0.96084	0.00064
10.40	0.96523	0.00065
10.45	0.96790	0.00067
10.50	0.97072	0.00063
10.55	0.97300	0.00067
10.60	0.97595	0.00065
10.65	0.97941	0.00066
10.70	0.98021	0.00067
10.75	0.98493	0.00067
10.80	0.98606	0.00067
10.85	0.98972	0.00066
10.90	0.99100	0.00064
10.95	0.99509	0.00062
11.00	0.99625	0.00067
11.05	0.99974	0.00066
11.10	1.00316	0.00065
11.15	1.00268	0.00064
11.20	1.00695	0.00066
11.25	1.00997	0.00066
11.30	1.01329	0.00066

2100

9.70	0.92442	0.00065
9.75	0.92761	0.00067
9.80	0.93031	0.00065
9.85	0.93326	0.00068
9.90	0.93616	0.00065
9.95	0.93813	0.00068
10.00	0.94138	0.00068
10.05	0.94495	0.00065
10.10	0.94750	0.00066
10.15	0.94951	0.00065
10.20	0.95210	0.00063
10.25	0.95604	0.00066
10.30	0.95927	0.00066
10.35	0.96238	0.00067
10.40	0.96459	0.00069
10.45	0.96657	0.00064
10.50	0.97082	0.00065
10.55	0.97101	0.00066
10.60	0.97487	0.00066
10.65	0.97745	0.00067
10.70	0.98030	0.00066
10.75	0.98237	0.00066
10.80	0.98518	0.00064
10.85	0.98808	0.00065
10.90	0.98973	0.00066
10.95	0.99402	0.00066
11.00	0.99417	0.00069
11.05	0.99888	0.00064
11.10	1.00010	0.00063
11.15	1.00276	0.00065
11.20	1.00584	0.00066
11.25	1.00740	0.00067
11.30	1.01060	0.00067
11.35	1.01443	0.00066
11.40	1.01610	0.00067

2500

9.80	0.92077	0.00066
9.90	0.92673	0.00064
10.00	0.93394	0.00067
10.10	0.93848	0.00065
10.20	0.94387	0.00065
10.30	0.94931	0.00069
10.40	0.95509	0.00066
10.50	0.96173	0.00070
10.60	0.96727	0.00067
10.70	0.97125	0.00068
10.80	0.97744	0.00067
10.90	0.98221	0.00065
11.00	0.98706	0.00066
11.10	0.99173	0.00068
11.20	0.99821	0.00068
11.30	1.00238	0.00065
11.40	1.00629	0.00068
11.50	1.01149	0.00068
11.60	1.01596	0.00067
11.70	1.02092	0.00067
11.80	1.02571	0.00065
11.90	1.03049	0.00066
12.00	1.03439	0.00065

3000			4000			5000		
10.00	0.91694	0.00069	11.00	0.92506	0.00063	12.00	0.91540	0.00063
10.10	0.92252	0.00065	11.10	0.92946	0.00066	12.10	0.91948	0.00065
10.20	0.92709	0.00067	11.20	0.93457	0.00067	12.20	0.92329	0.00067
10.30	0.93358	0.00068	11.30	0.93963	0.00066	12.30	0.92786	0.00063
10.40	0.93945	0.00065	11.40	0.94534	0.00067	12.40	0.93115	0.00063
10.50	0.94424	0.00066	11.50	0.94911	0.00068	12.50	0.93458	0.00063
10.60	0.95003	0.00066	11.60	0.95213	0.00066	12.60	0.93855	0.00065
10.70	0.95549	0.00065	11.70	0.95774	0.00066	12.70	0.94325	0.00065
10.80	0.96041	0.00069	11.80	0.96163	0.00067	12.80	0.94649	0.00064
10.90	0.96482	0.00066	11.90	0.96604	0.00067	12.90	0.94999	0.00063
11.00	0.97073	0.00066	12.00	0.96966	0.00067	13.00	0.95418	0.00066
11.10	0.97561	0.00067	12.10	0.97508	0.00065	13.10	0.95731	0.00063
11.20	0.98039	0.00065	12.20	0.97830	0.00064	13.20	0.96226	0.00065
11.30	0.98530	0.00066	12.30	0.98373	0.00067	13.30	0.96483	0.00064
11.40	0.99004	0.00067	12.40	0.98763	0.00064	13.40	0.96840	0.00062
11.50	0.99463	0.00065	12.50	0.99160	0.00066	13.50	0.97173	0.00063
11.60	0.99916	0.00067	12.60	0.99486	0.00067	13.60	0.97610	0.00064
11.70	1.00387	0.00068	12.70	1.00022	0.00068	13.70	0.97956	0.00064
11.80	1.00696	0.00067	12.80	1.00148	0.00063	13.80	0.98331	0.00065
11.90	1.01317	0.00066	12.90	1.00698	0.00068	13.90	0.98596	0.00063
12.00	1.01735	0.00069	13.00	1.01068	0.00065	14.00	0.98862	0.00065
12.10	1.02227	0.00069	13.10	1.01651	0.00066	14.10	0.99346	0.00068
			13.20	1.01994	0.00070	14.20	0.99593	0.00063
			13.30	1.02149	0.00063	14.30	0.99944	0.00063
						14.40	1.00233	0.00063
						14.50	1.00451	0.00063

6000			7000			7500		
14.40	0.93873	0.00064	16.00	0.91452	0.00059	18.00	0.92388	0.00054
14.50	0.94202	0.00062	16.25	0.92110	0.00059	18.25	0.92771	0.00056
14.60	0.94440	0.00061	16.50	0.92763	0.00057	18.50	0.93317	0.00053
14.70	0.94662	0.00061	16.75	0.93414	0.00057	18.75	0.93917	0.00056
14.80	0.94966	0.00061	17.00	0.94003	0.00057	19.00	0.94319	0.00057
14.90	0.95311	0.00064	17.25	0.94368	0.00059	19.25	0.94800	0.00054
15.00	0.95593	0.00062	17.50	0.94985	0.00057	19.50	0.95281	0.00057
15.10	0.95921	0.00060	17.75	0.95606	0.00056	19.75	0.95735	0.00056
15.20	0.96265	0.00061	18.00	0.96025	0.00059	20.00	0.96091	0.00057
15.30	0.96553	0.00061	18.25	0.96508	0.00058	20.25	0.96626	0.00060
15.40	0.96812	0.00060	18.50	0.96972	0.00058	20.50	0.96887	0.00055
15.50	0.96973	0.00063	18.75	0.97445	0.00061	20.75	0.97213	0.00054
15.60	0.97359	0.00061	19.00	0.98086	0.00060	21.00	0.97615	0.00054
15.70	0.97471	0.00063	19.25	0.98439	0.00059	21.25	0.98071	0.00055
15.80	0.97692	0.00062	19.50	0.98857	0.00059	21.50	0.98376	0.00055
15.90	0.98128	0.00060	19.75	0.99353	0.00054	21.75	0.98819	0.00055
16.00	0.98356	0.00062	20.00	0.99664	0.00056	22.00	0.99171	0.00053
16.10	0.98728	0.00063	20.25	1.00226	0.00057	22.25	0.99427	0.00055
16.20	0.98812	0.00060	20.50	1.00528	0.00061	22.50	0.99902	0.00056
16.30	0.99046	0.00059	20.75	1.01053	0.00057	22.75	1.00032	0.00057
16.40	0.99395	0.00062	21.00	1.01282	0.00056	23.00	1.00514	0.00057
16.50	0.99627	0.00060	21.25	1.01631	0.00057	23.25	1.00731	0.00055
16.60	0.99879	0.00061	21.50	1.02038	0.00059	23.50	1.01050	0.00056
16.70	1.00049	0.00061	21.75	1.02399	0.00057	23.75	1.01347	0.00054
16.80	1.00396	0.00061	22.00	1.02680	0.00057	24.00	1.01596	0.00057

8000			9000			10000		
20.00	0.92219	0.00055	27.50	0.93671	0.00048	999.98	1.02502	0.00035
20.25	0.92769	0.00052	28.00	0.94088	0.00050	999.99	1.02502	0.00035
20.50	0.93139	0.00053	28.50	0.94547	0.00049			
20.75	0.93483	0.00055	29.00	0.94856	0.00047			
21.00	0.93933	0.00054	29.50	0.95276	0.00050			
21.25	0.94382	0.00054	30.00	0.95619	0.00048			
21.50	0.94785	0.00055	30.50	0.95990	0.00048			
21.75	0.95070	0.00054	31.00	0.96352	0.00049			
22.00	0.95403	0.00052	31.50	0.96656	0.00047			
22.25	0.95806	0.00053	32.00	0.97003	0.00049			
22.50	0.96060	0.00053	32.50	0.97328	0.00046			
22.75	0.96301	0.00053	33.00	0.97598	0.00046			
23.00	0.96689	0.00056	33.50	0.97841	0.00045			
23.25	0.96931	0.00052	34.00	0.98106	0.00047			
23.50	0.97220	0.00053	34.50	0.98395	0.00046			
23.75	0.97613	0.00051	35.00	0.98634	0.00046			
24.00	0.97913	0.00053	35.50	0.98895	0.00045			
24.25	0.98132	0.00053	36.00	0.99245	0.00047			
24.50	0.98423	0.00051	36.50	0.99384	0.00047			
24.75	0.98760	0.00055	37.00	0.99598	0.00045			
25.00	0.99079	0.00054	37.50	0.99896	0.00046			
25.25	0.99237	0.00053	38.00	1.00072	0.00045			
25.50	0.99589	0.00054	38.50	1.00306	0.00049			
25.75	0.99878	0.00054						
26.00	1.00068	0.00051						
26.25	1.00217	0.00056						
26.50	1.00359	0.00051						
26.75	1.00760	0.00054						
27.00	1.00836	0.00050						

sumtable.u5o2-icyl-0060-10

20			25			30		
999.98	0.15474	0.00004	999.98	0.18932	0.00005	999.98	0.22256	0.00006
999.99	0.15474	0.00004	999.99	0.18932	0.00005	999.99	0.22256	0.00006

40			45			50		
999.98	0.28508	0.00007	999.98	0.31453	0.00007	999.98	0.34297	0.00008
999.99	0.28508	0.00007	999.99	0.31453	0.00007	999.99	0.34297	0.00008

55			60			65		
999.98	0.37024	0.00009	999.98	0.39674	0.00009	999.98	0.42225	0.00010
999.99	0.37024	0.00009	999.99	0.39674	0.00009	999.99	0.42225	0.00010

70			80			100		
999.98	0.44673	0.00010	999.98	0.49294	0.00011	999.98	0.57733	0.00013
999.99	0.44673	0.00010	999.99	0.49294	0.00011	999.99	0.57733	0.00013

130			150			170		
999.98	0.68526	0.00016	999.98	0.74705	0.00016	999.98	0.80237	0.00016
999.99	0.68526	0.00016	999.99	0.74705	0.00016	999.99	0.80237	0.00016

200		
999.98	0.87504	0.00018
999.99	0.87504	0.00018

350		
19.00	0.93926	0.00037
19.25	0.94259	0.00038
19.50	0.94604	0.00038
19.75	0.94878	0.00037
20.00	0.95209	0.00038
20.25	0.95367	0.00039
20.50	0.95722	0.00038
20.75	0.96039	0.00038
21.00	0.96334	0.00037
21.25	0.96488	0.00038
21.50	0.96862	0.00037
21.75	0.96978	0.00036
22.00	0.97395	0.00034
22.25	0.97475	0.00036
22.50	0.97829	0.00036
22.75	0.98056	0.00036
23.00	0.98257	0.00036
23.25	0.98480	0.00037
23.50	0.98736	0.00036
23.75	0.98964	0.00036
24.00	0.99188	0.00037
24.25	0.99235	0.00037
24.50	0.99525	0.00034
24.75	0.99711	0.00035
25.00	0.99846	0.00035
25.25	1.00062	0.00033
25.50	1.00334	0.00036

400		
16.00	0.93755	0.00039
16.20	0.94111	0.00039
16.40	0.94496	0.00041
16.60	0.94759	0.00039
16.80	0.95147	0.00039
17.00	0.95485	0.00039
17.20	0.95862	0.00039
17.40	0.96214	0.00038
17.60	0.96623	0.00039
17.80	0.96836	0.00038
18.00	0.97203	0.00039
18.20	0.97450	0.00039
18.40	0.97740	0.00039
18.60	0.98059	0.00038
18.80	0.98284	0.00039
19.00	0.98625	0.00038
19.20	0.98884	0.00037
19.40	0.99176	0.00037
19.60	0.99423	0.00038
19.80	0.99663	0.00038
20.00	0.99948	0.00037
20.20	1.00083	0.00038
20.40	1.00458	0.00037
20.60	1.00637	0.00038
20.80	1.00822	0.00037
21.00	1.01124	0.00036

500		
12.00	0.90325	0.00047
12.20	0.91044	0.00045
12.40	0.91602	0.00047
12.60	0.92268	0.00046
12.80	0.92867	0.00047
13.00	0.93449	0.00047
13.20	0.94168	0.00046
13.40	0.94646	0.00049
13.60	0.95039	0.00045
13.80	0.95606	0.00045
14.00	0.96156	0.00046
14.20	0.96634	0.00046
14.40	0.97162	0.00045
14.60	0.97656	0.00046
14.80	0.98147	0.00045
15.00	0.98573	0.00044
15.20	0.99054	0.00046
15.40	0.99430	0.00046
15.60	0.99874	0.00042
15.80	1.00306	0.00044
16.00	1.00637	0.00045
16.20	1.01140	0.00048
16.40	1.01437	0.00045
16.60	1.01922	0.00044
16.80	1.02240	0.00043
17.00	1.02701	0.00044

650		
11.00	0.93253	0.00049
11.10	0.93759	0.00048
11.20	0.94303	0.00048
11.30	0.94331	0.00047
11.40	0.94869	0.00049
11.50	0.95198	0.00047
11.60	0.95655	0.00048
11.70	0.95949	0.00048
11.80	0.96364	0.00048
11.90	0.96637	0.00049
12.00	0.97028	0.00048
12.10	0.97360	0.00049
12.20	0.97798	0.00049
12.30	0.98004	0.00048
12.40	0.98400	0.00048
12.50	0.98729	0.00046
12.60	0.99061	0.00048
12.70	0.99432	0.00047
12.80	0.99672	0.00048
12.90	0.99970	0.00047
13.00	1.00380	0.00047

800		
9.80	0.92525	0.00055
9.90	0.92925	0.00054
10.00	0.93419	0.00054
10.10	0.93831	0.00054
10.20	0.94391	0.00052
10.30	0.94834	0.00055
10.40	0.95279	0.00055
10.50	0.95643	0.00050
10.60	0.96112	0.00054
10.70	0.96374	0.00055
10.80	0.96897	0.00054
10.90	0.97376	0.00054
11.00	0.97678	0.00054
11.10	0.98163	0.00053
11.20	0.98462	0.00053
11.30	0.98888	0.00053
11.40	0.99360	0.00051
11.50	0.99702	0.00054
11.60	1.00053	0.00053
11.70	1.00422	0.00053
11.80	1.00854	0.00053
11.90	1.01140	0.00053
12.00	1.01661	0.00054
12.10	1.01862	0.00052
12.20	1.02192	0.00053

900			1000			1200		
9.50	0.93001	0.00055	9.00	0.91953	0.00057	8.80	0.93192	0.00055
9.60	0.93512	0.00053	9.05	0.92275	0.00058	8.85	0.93532	0.00056
9.70	0.94023	0.00051	9.10	0.92632	0.00055	8.90	0.93796	0.00056
9.80	0.94429	0.00051	9.15	0.92807	0.00058	8.95	0.93985	0.00054
9.90	0.94918	0.00052	9.20	0.93070	0.00055	9.00	0.94337	0.00056
10.00	0.95401	0.00052	9.25	0.93279	0.00055	9.05	0.94617	0.00053
10.10	0.96046	0.00053	9.30	0.93681	0.00056	9.10	0.94832	0.00054
10.20	0.96453	0.00052	9.35	0.93851	0.00057	9.15	0.95161	0.00054
10.30	0.96919	0.00054	9.40	0.94042	0.00055	9.20	0.95372	0.00055
10.40	0.97284	0.00054	9.45	0.94351	0.00057	9.25	0.95685	0.00055
10.50	0.97739	0.00053	9.50	0.94692	0.00057	9.30	0.95881	0.00055
10.60	0.98106	0.00053	9.55	0.94888	0.00059	9.35	0.96338	0.00055
10.70	0.98534	0.00052	9.60	0.95140	0.00058	9.40	0.96577	0.00056
10.80	0.99114	0.00054	9.65	0.95376	0.00058	9.45	0.96855	0.00056
10.90	0.99485	0.00051	9.70	0.95711	0.00057	9.50	0.97084	0.00055
11.00	0.99828	0.00053	9.75	0.95842	0.00057	9.55	0.97215	0.00055
11.10	1.00195	0.00052	9.80	0.96249	0.00055	9.60	0.97383	0.00055
11.20	1.00645	0.00054	9.85	0.96389	0.00056	9.65	0.97794	0.00056
11.30	1.01165	0.00050	9.90	0.96632	0.00053	9.70	0.98034	0.00056
11.40	1.01465	0.00051	9.95	0.96855	0.00054	9.75	0.98336	0.00053
11.50	1.01821	0.00051	10.00	0.97180	0.00056	9.80	0.98483	0.00055
11.60	1.02225	0.00050	10.05	0.97346	0.00057	9.85	0.98747	0.00055
11.70	1.02745	0.00052	10.10	0.97492	0.00056	9.90	0.98957	0.00055
11.80	1.02892	0.00054	10.15	0.97858	0.00056	9.95	0.99174	0.00055
11.90	1.03350	0.00051	10.20	0.98134	0.00058	10.00	0.99477	0.00054
12.00	1.03677	0.00052	10.25	0.98135	0.00055	10.05	0.99775	0.00055
12.10	1.03951	0.00052	10.30	0.98596	0.00057	10.10	0.99905	0.00056
12.20	1.04359	0.00052	10.35	0.98705	0.00057	10.15	1.00162	0.00053
12.30	1.04754	0.00051	10.40	0.98933	0.00056	10.20	1.00546	0.00055
12.40	1.05148	0.00050	10.45	0.99174	0.00057			
12.50	1.05416	0.00051	10.50	0.99418	0.00057			
			10.55	0.99635	0.00056			
			10.60	0.99811	0.00057			
			10.65	1.00101	0.00056			
			10.70	1.00245	0.00055			
			10.75	1.00598	0.00057			
			10.80	1.00676	0.00057			
			10.85	1.00976	0.00058			
			10.90	1.01085	0.00056			
			10.95	1.01412	0.00057			
			11.00	1.01608	0.00059			

1500			1700			1900		
8.00	0.90530	0.00062	8.00	0.91032	0.00061	8.00	0.91458	0.00061
8.05	0.90764	0.00060	8.05	0.91548	0.00063	8.05	0.91767	0.00062
8.10	0.91051	0.00058	8.10	0.91896	0.00062	8.10	0.92131	0.00062
8.15	0.91432	0.00060	8.15	0.92131	0.00061	8.15	0.92424	0.00063
8.20	0.91625	0.00058	8.20	0.92429	0.00058	8.20	0.92886	0.00058
8.25	0.92100	0.00062	8.25	0.92695	0.00058	8.25	0.93037	0.00062
8.30	0.92312	0.00059	8.30	0.92895	0.00059	8.30	0.93428	0.00060
8.35	0.92709	0.00061	8.35	0.93348	0.00061	8.35	0.93684	0.00059
8.40	0.92984	0.00062	8.40	0.93581	0.00059	8.40	0.94042	0.00061
8.45	0.93285	0.00060	8.45	0.94025	0.00061	8.45	0.94270	0.00061
8.50	0.93509	0.00060	8.50	0.94262	0.00061	8.50	0.94543	0.00064
8.55	0.93812	0.00060	8.55	0.94443	0.00062	8.55	0.94961	0.00058
8.60	0.94032	0.00058	8.60	0.94768	0.00063	8.60	0.95178	0.00060
8.65	0.94422	0.00061	8.65	0.95193	0.00060	8.65	0.95513	0.00064

8.70	0.94709	0.00060
8.75	0.95097	0.00061
8.80	0.95257	0.00060
8.85	0.95508	0.00059
8.90	0.95843	0.00061
8.95	0.96097	0.00060
9.00	0.96372	0.00059
9.05	0.96658	0.00060
9.10	0.96932	0.00058
9.15	0.97197	0.00060
9.20	0.97443	0.00061
9.25	0.97583	0.00061
9.30	0.97965	0.00061
9.35	0.98228	0.00060
9.40	0.98442	0.00058
9.45	0.98717	0.00059
9.50	0.99059	0.00058
9.55	0.99317	0.00061
9.60	0.99576	0.00061
9.65	0.99887	0.00059
9.70	1.00152	0.00061
9.75	1.00326	0.00059
9.80	1.00514	0.00060
9.85	1.00784	0.00060
9.90	1.00994	0.00061
9.95	1.01267	0.00059
10.00	1.01552	0.00059
10.05	1.01776	0.00061
10.10	1.01962	0.00061

8.70	0.95278	0.00061
8.75	0.95699	0.00064
8.80	0.95990	0.00062
8.85	0.96188	0.00059
8.90	0.96544	0.00063
8.95	0.96859	0.00061
9.00	0.97072	0.00063
9.05	0.97343	0.00058
9.10	0.97618	0.00058
9.15	0.97668	0.00060
9.20	0.98117	0.00062
9.25	0.98440	0.00062
9.30	0.98639	0.00061
9.35	0.98996	0.00061
9.40	0.99242	0.00060
9.45	0.99511	0.00062
9.50	0.99793	0.00060
9.55	0.99969	0.00059
9.60	1.00204	0.00059
9.65	1.00404	0.00063
9.70	1.00740	0.00063

8.70	0.95779	0.00061
8.75	0.96144	0.00060
8.80	0.96359	0.00061
8.85	0.96524	0.00062
8.90	0.96805	0.00062
8.95	0.97241	0.00063
9.00	0.97353	0.00063
9.05	0.97676	0.00061
9.10	0.97856	0.00061
9.15	0.98134	0.00062
9.20	0.98508	0.00062
9.25	0.98724	0.00063
9.30	0.99036	0.00063
9.35	0.99215	0.00060
9.40	0.99422	0.00060
9.45	0.99781	0.00061
9.50	1.00020	0.00062
9.55	1.00287	0.00059
9.60	1.00562	0.00063
9.65	1.00783	0.00062
9.70	1.01103	0.00059
9.75	1.01267	0.00059
9.80	1.01562	0.00063
9.85	1.01862	0.00060
9.90	1.02029	0.00062
9.95	1.02259	0.00061
10.00	1.02571	0.00060

2000		
8.00	0.91563	0.00060
8.05	0.92016	0.00061
8.10	0.92296	0.00062
8.15	0.92471	0.00063
8.20	0.92837	0.00059
8.25	0.93176	0.00061
8.30	0.93500	0.00060
8.35	0.93816	0.00061
8.40	0.94111	0.00061
8.45	0.94385	0.00059
8.50	0.94745	0.00060
8.55	0.94982	0.00062
8.60	0.95314	0.00063
8.65	0.95508	0.00061
8.70	0.95751	0.00059
8.75	0.96092	0.00060
8.80	0.96390	0.00062
8.85	0.96586	0.00060
8.90	0.96977	0.00063
8.95	0.97191	0.00063
9.00	0.97526	0.00064
9.05	0.97746	0.00062
9.10	0.98039	0.00058
9.15	0.98283	0.00060
9.20	0.98476	0.00063
9.25	0.98812	0.00061
9.30	0.99108	0.00063

2100		
8.00	0.91633	0.00061
8.05	0.92061	0.00061
8.10	0.92397	0.00063
8.15	0.92459	0.00063
8.20	0.92794	0.00062
8.25	0.93206	0.00063
8.30	0.93651	0.00060
8.35	0.93856	0.00061
8.40	0.94168	0.00061
8.45	0.94431	0.00061
8.50	0.94806	0.00062
8.55	0.94943	0.00061
8.60	0.95351	0.00060
8.65	0.95630	0.00063
8.70	0.95763	0.00059
8.75	0.96179	0.00063
8.80	0.96426	0.00062
8.85	0.96782	0.00062
8.90	0.96920	0.00064
8.95	0.97362	0.00059
9.00	0.97394	0.00061
9.05	0.97676	0.00060
9.10	0.98185	0.00063
9.15	0.98266	0.00062
9.20	0.98502	0.00063
9.25	0.98798	0.00063
9.30	0.99110	0.00061

2500		
8.00	0.91476	0.00064
8.10	0.92072	0.00060
8.20	0.92574	0.00061
8.30	0.93129	0.00060
8.40	0.93823	0.00063
8.50	0.94404	0.00061
8.60	0.94989	0.00061
8.70	0.95549	0.00059
8.80	0.96166	0.00062
8.90	0.96640	0.00062
9.00	0.97263	0.00061
9.10	0.97625	0.00063
9.20	0.98176	0.00061
9.30	0.98732	0.00062
9.40	0.99290	0.00060
9.50	0.99809	0.00063
9.60	1.00227	0.00064
9.70	1.00764	0.00062
9.80	1.01205	0.00061
9.90	1.01601	0.00062
10.00	1.02161	0.00061
10.10	1.02538	0.00062
10.20	1.03072	0.00064
10.30	1.03555	0.00062
10.40	1.03945	0.00065
10.50	1.04391	0.00063
10.60	1.04900	0.00062

9.35	0.99367	0.00060
9.40	0.99628	0.00063
9.45	0.99908	0.00062
9.50	1.00223	0.00063

9.35	0.99519	0.00061
9.40	0.99550	0.00060
9.45	0.99836	0.00062
9.50	1.00193	0.00062
9.55	1.00436	0.00061
9.60	1.00581	0.00061
9.65	1.00843	0.00060
9.70	1.01216	0.00061
9.75	1.01305	0.00061
9.80	1.01661	0.00064
9.85	1.01863	0.00061
9.90	1.02064	0.00062
9.95	1.02370	0.00061
10.00	1.02627	0.00061

10.70	1.05265	0.00066
10.80	1.05647	0.00061
10.90	1.06112	0.00060
11.00	1.06597	0.00063

3000

8.40	0.92862	0.00062
8.45	0.93133	0.00063
8.50	0.93339	0.00064
8.55	0.93742	0.00062
8.60	0.93848	0.00062
8.65	0.94190	0.00061
8.70	0.94427	0.00063
8.75	0.94801	0.00062
8.80	0.95021	0.00062
8.85	0.95179	0.00062
8.90	0.95491	0.00064
8.95	0.95835	0.00062
9.00	0.96042	0.00063
9.05	0.96496	0.00062
9.10	0.96594	0.00061
9.15	0.96881	0.00064
9.20	0.97120	0.00065
9.25	0.97425	0.00062
9.30	0.97640	0.00061
9.35	0.97743	0.00062
9.40	0.98032	0.00062
9.45	0.98422	0.00061
9.50	0.98608	0.00061
9.55	0.98714	0.00062
9.60	0.99058	0.00063
9.65	0.99394	0.00060
9.70	0.99530	0.00061
9.75	0.99703	0.00063
9.80	1.00175	0.00063
9.85	1.00180	0.00064
9.90	1.00521	0.00062
9.95	1.00695	0.00061
10.00	1.01013	0.00059
10.05	1.01208	0.00063
10.10	1.01315	0.00063
10.15	1.01515	0.00062
10.20	1.01817	0.00065
10.25	1.02080	0.00062
10.30	1.02311	0.00063

4000

9.00	0.92843	0.00060
9.10	0.93216	0.00061
9.20	0.93831	0.00061
9.30	0.94210	0.00062
9.40	0.94640	0.00064
9.50	0.95272	0.00063
9.60	0.95579	0.00060
9.70	0.96070	0.00062
9.80	0.96538	0.00062
9.90	0.96884	0.00060
10.00	0.97340	0.00063
10.10	0.97878	0.00060
10.20	0.98146	0.00062
10.30	0.98644	0.00064
10.40	0.99092	0.00059
10.50	0.99423	0.00062
10.60	0.99871	0.00062
10.70	1.00270	0.00062
10.80	1.00575	0.00063
10.90	1.01010	0.00062
11.00	1.01419	0.00063
11.10	1.01644	0.00060
11.20	1.02222	0.00061

5000

10.20	0.93811	0.00060
10.30	0.94226	0.00059
10.40	0.94637	0.00059
10.50	0.94758	0.00060
10.60	0.95322	0.00064
10.70	0.95745	0.00061
10.80	0.96037	0.00060
10.90	0.96342	0.00061
11.00	0.96679	0.00060
11.10	0.97047	0.00059
11.20	0.97525	0.00058
11.30	0.97793	0.00062
11.40	0.98202	0.00058
11.50	0.98506	0.00061
11.60	0.98743	0.00061
11.70	0.99175	0.00060
11.80	0.99580	0.00061
11.90	0.99865	0.00061
12.00	1.00161	0.00063
12.10	1.00482	0.00062
12.20	1.00783	0.00060

6000			7000			7500		
11.00	0.91734	0.00058	13.00	0.92094	0.00056	15.00	0.93389	0.00053
11.20	0.92548	0.00056	13.20	0.92566	0.00055	15.25	0.94009	0.00054
11.40	0.92950	0.00059	13.40	0.93050	0.00057	15.50	0.94464	0.00054
11.60	0.93738	0.00056	13.60	0.93531	0.00058	15.75	0.94806	0.00054
11.80	0.94366	0.00057	13.80	0.93977	0.00055	16.00	0.95340	0.00055
12.00	0.94864	0.00059	14.00	0.94465	0.00057	16.25	0.95694	0.00053
12.20	0.95542	0.00058	14.20	0.94902	0.00054	16.50	0.96183	0.00052
12.40	0.96094	0.00060	14.40	0.95222	0.00057	16.75	0.96507	0.00053
12.60	0.96694	0.00059	14.60	0.95768	0.00057	17.00	0.96945	0.00053
12.80	0.97230	0.00058	14.80	0.96105	0.00054	17.25	0.97283	0.00053
13.00	0.97665	0.00058	15.00	0.96535	0.00056	17.50	0.97756	0.00053
13.20	0.98291	0.00058	15.20	0.96937	0.00055	17.75	0.98177	0.00055
13.40	0.98715	0.00058	15.40	0.97230	0.00056	18.00	0.98591	0.00054
13.60	0.99187	0.00059	15.60	0.97729	0.00054	18.25	0.98851	0.00055
13.80	0.99794	0.00060	15.80	0.98017	0.00055	18.50	0.99166	0.00054
14.00	1.00255	0.00059	16.00	0.98415	0.00057	18.75	0.99512	0.00054
14.20	1.00668	0.00057	16.20	0.98826	0.00056	19.00	0.99856	0.00055
14.40	1.01261	0.00060	16.40	0.99107	0.00054	19.25	1.00278	0.00054
14.60	1.01532	0.00060	16.60	0.99465	0.00053	19.50	1.00423	0.00055
14.80	1.02069	0.00058	16.80	0.99728	0.00057	19.75	1.00830	0.00053
15.00	1.02385	0.00057	17.00	1.00159	0.00056	20.00	1.01026	0.00055
			17.20	1.00449	0.00056	20.25	1.01282	0.00053
						20.50	1.01827	0.00055
						20.75	1.01856	0.00054
						21.00	1.02236	0.00056

8000			9000			10000		
16.00	0.92122	0.00053	20.00	0.91235	0.00050	999.93	1.02502	0.00035
16.25	0.92655	0.00052	20.50	0.91710	0.00048	999.95	1.02502	0.00035
16.50	0.92884	0.00051	21.00	0.92220	0.00050	999.97	1.02502	0.00035
16.75	0.93453	0.00052	21.50	0.92743	0.00049	999.99	1.02502	0.00035
17.00	0.93750	0.00053	22.00	0.93125	0.00049			
17.25	0.94206	0.00050	22.50	0.93546	0.00050			
17.50	0.94484	0.00054	23.00	0.94082	0.00049			
17.75	0.94971	0.00054	23.50	0.94426	0.00050			
18.00	0.95125	0.00053	24.00	0.94832	0.00047			
18.25	0.95564	0.00053	24.50	0.95189	0.00048			
18.50	0.95898	0.00051	25.00	0.95575	0.00048			
18.75	0.96210	0.00053	25.50	0.95907	0.00047			
19.00	0.96641	0.00050	26.00	0.96252	0.00047			
19.25	0.96961	0.00051	26.50	0.96604	0.00047			
19.50	0.97163	0.00050	27.00	0.96919	0.00045			
19.75	0.97524	0.00053	27.50	0.97205	0.00047			
20.00	0.97773	0.00052	28.00	0.97472	0.00048			
20.25	0.97978	0.00051	28.50	0.97812	0.00048			
20.50	0.98314	0.00051	29.00	0.98130	0.00047			
20.75	0.98700	0.00051	29.50	0.98318	0.00046			
21.00	0.98869	0.00053	30.00	0.98622	0.00048			
21.25	0.99143	0.00053	30.50	0.98806	0.00047			
21.50	0.99388	0.00051	31.00	0.99084	0.00047			
21.75	0.99631	0.00052	31.50	0.99227	0.00046			
22.00	0.99830	0.00052	32.00	0.99586	0.00047			
22.25	1.00106	0.00052	32.50	0.99724	0.00049			
22.50	1.00395	0.00051	33.00	0.99914	0.00048			

22.75	1.00620	0.00052	33.50	1.00274	0.00046
23.00	1.00891	0.00050	34.00	1.00325	0.00046
			34.50	1.00514	0.00046
			35.00	1.00611	0.00047

sumtable.u5o2-pl-0013-00

20			25			30		
999.98	0.03587	0.00001	999.98	0.04452	0.00001	999.98	0.05314	0.00001
999.99	0.03587	0.00001	999.99	0.04452	0.00001	999.99	0.05314	0.00001
40			45			50		
999.98	0.06980	0.00002	999.98	0.07801	0.00002	999.98	0.08622	0.00002
999.99	0.06980	0.00002	999.99	0.07801	0.00002	999.99	0.08622	0.00002
55			60			65		
999.98	0.09417	0.00002	999.98	0.10214	0.00003	999.98	0.10995	0.00003
999.99	0.09417	0.00002	999.99	0.10214	0.00003	999.99	0.10995	0.00003
70			80			100		
999.98	0.11768	0.00003	999.98	0.13294	0.00003	999.98	0.16234	0.00004
999.99	0.11768	0.00003	999.99	0.13294	0.00003	999.99	0.16234	0.00004
130			150			170		
999.98	0.20401	0.00005	999.98	0.23043	0.00006	999.98	0.25566	0.00007
999.99	0.20401	0.00005	999.99	0.23043	0.00006	999.99	0.25566	0.00007
200			350			500		
999.98	0.29171	0.00008	999.98	0.44341	0.00011	999.98	0.56038	0.00015
999.99	0.29171	0.00008	999.99	0.44341	0.00011	999.99	0.56038	0.00015
800			1000			1500		
999.98	0.72601	0.00019	999.98	0.80367	0.00023	999.98	0.93248	0.00027
999.99	0.72601	0.00019	999.99	0.80367	0.00023	999.99	0.93248	0.00027
1700			1900			2000		
999.98	0.96668	0.00028	999.98	0.99347	0.00029	20.00	0.91514	0.00035
999.99	0.96668	0.00028	999.99	0.99347	0.00029	25.00	0.94398	0.00036
						30.00	0.96164	0.00034
						35.00	0.97140	0.00033
						40.00	0.97919	0.00031
						45.00	0.98429	0.00032
						50.00	0.98855	0.00031
						55.00	0.99129	0.00032
						60.00	0.99283	0.00031
						65.00	0.99514	0.00030
						70.00	0.99687	0.00031
						75.00	0.99703	0.00029
						80.00	0.99727	0.00032
						85.00	0.99920	0.00031
						90.00	0.99921	0.00030
						95.00	1.00075	0.00030
						100.00	1.00102	0.00030

2100			2300			2500		
20.00	0.92464	0.00036	18.00	0.92280	0.00040	17.00	0.92377	0.00040
22.00	0.93828	0.00037	19.00	0.93249	0.00038	17.50	0.92866	0.00039
24.00	0.94958	0.00035	20.00	0.94099	0.00038	18.00	0.93550	0.00040
26.00	0.95770	0.00035	21.00	0.94783	0.00038	18.50	0.94017	0.00039
28.00	0.96547	0.00036	22.00	0.95402	0.00037	19.00	0.94441	0.00039
30.00	0.97137	0.00035	23.00	0.96011	0.00037	19.50	0.94927	0.00038
32.00	0.97598	0.00032	24.00	0.96500	0.00036	20.00	0.95265	0.00038
34.00	0.97969	0.00034	25.00	0.97038	0.00035	20.50	0.95643	0.00039
36.00	0.98419	0.00034	26.00	0.97441	0.00036	21.00	0.96087	0.00037
38.00	0.98621	0.00034	27.00	0.97795	0.00036	21.50	0.96446	0.00039
40.00	0.98923	0.00033	28.00	0.98199	0.00037	22.00	0.96779	0.00038
42.00	0.99116	0.00033	29.00	0.98549	0.00038	22.50	0.97113	0.00039
44.00	0.99358	0.00034	30.00	0.98743	0.00036	23.00	0.97311	0.00036
46.00	0.99555	0.00033	31.00	0.99001	0.00034	23.50	0.97595	0.00037
48.00	0.99746	0.00032	32.00	0.99367	0.00035	24.00	0.97907	0.00037
50.00	0.99832	0.00033	33.00	0.99494	0.00034	24.50	0.98085	0.00038
52.00	0.99993	0.00032	34.00	0.99746	0.00035	25.00	0.98335	0.00037
54.00	1.00048	0.00031	35.00	0.99840	0.00035	25.50	0.98508	0.00037
56.00	1.00211	0.00031	36.00	1.00045	0.00035	26.00	0.98736	0.00038
58.00	1.00223	0.00032	37.00	1.00202	0.00035	26.50	0.98944	0.00036
60.00	1.00344	0.00032	38.00	1.00322	0.00034	27.00	0.99117	0.00036
62.00	1.00394	0.00031	39.00	1.00504	0.00034	27.50	0.99374	0.00036
64.00	1.00483	0.00031	40.00	1.00668	0.00035	28.00	0.99550	0.00037
66.00	1.00558	0.00032				28.50	0.99741	0.00036
68.00	1.00624	0.00030				29.00	0.99863	0.00036
70.00	1.00636	0.00031				29.50	0.99992	0.00037
						30.00	1.00151	0.00037

2700			3000			3500		
17.00	0.93202	0.00039	16.00	0.92876	0.00042	16.00	0.93516	0.00043
17.50	0.93943	0.00041	16.50	0.93610	0.00041	16.50	0.94252	0.00043
18.00	0.94367	0.00040	17.00	0.94242	0.00042	17.00	0.94879	0.00044
18.50	0.95022	0.00040	17.50	0.94833	0.00040	17.50	0.95546	0.00043
19.00	0.95396	0.00039	18.00	0.95416	0.00040	18.00	0.96127	0.00045
19.50	0.95846	0.00040	18.50	0.95946	0.00040	18.50	0.96638	0.00041
20.00	0.96321	0.00040	19.00	0.96366	0.00041	19.00	0.97147	0.00040
20.50	0.96675	0.00040	19.50	0.96849	0.00041	19.50	0.97543	0.00041
21.00	0.97049	0.00039	20.00	0.97276	0.00041	20.00	0.98020	0.00042
21.50	0.97336	0.00038	20.50	0.97645	0.00040	20.50	0.98381	0.00042
22.00	0.97702	0.00040	21.00	0.97986	0.00041	21.00	0.98897	0.00042
22.50	0.97987	0.00038	21.50	0.98401	0.00041	21.50	0.99123	0.00042
23.00	0.98321	0.00040	22.00	0.98749	0.00039	22.00	0.99579	0.00043
23.50	0.98593	0.00038	22.50	0.99021	0.00039	22.50	0.99842	0.00042
24.00	0.98879	0.00040	23.00	0.99391	0.00040	23.00	1.00208	0.00041
24.50	0.99183	0.00038	23.50	0.99614	0.00039	23.50	1.00483	0.00040
25.00	0.99320	0.00039	24.00	0.99917	0.00042	24.00	1.00751	0.00041
25.50	0.99606	0.00038	24.50	1.00204	0.00039			
26.00	0.99757	0.00038	25.00	1.00464	0.00039			
26.50	1.00000	0.00038						
27.00	1.00132	0.00038						
27.50	1.00313	0.00038						
28.00	1.00554	0.00038						
28.50	1.00721	0.00037						
29.00	1.00906	0.00036						
29.50	1.01010	0.00038						
30.00	1.01195	0.00036						

4000			4500			5000		
16.00	0.93338	0.00045	17.00	0.93856	0.00044	17.00	0.92334	0.00044
16.50	0.94062	0.00046	17.50	0.94466	0.00045	17.50	0.92924	0.00046
17.00	0.94641	0.00045	18.00	0.94980	0.00046	18.00	0.93594	0.00044
17.50	0.95277	0.00046	18.50	0.95622	0.00044	18.50	0.94160	0.00044
18.00	0.95861	0.00046	19.00	0.96138	0.00044	19.00	0.94625	0.00046
18.50	0.96497	0.00043	19.50	0.96576	0.00045	19.50	0.95152	0.00045
19.00	0.96951	0.00043	20.00	0.97016	0.00042	20.00	0.95609	0.00043
19.50	0.97435	0.00043	20.50	0.97586	0.00044	20.50	0.96045	0.00045
20.00	0.97980	0.00045	21.00	0.97952	0.00045	21.00	0.96472	0.00044
20.50	0.98362	0.00043	21.50	0.98234	0.00042	21.50	0.96901	0.00042
21.00	0.98674	0.00045	22.00	0.98567	0.00044	22.00	0.97281	0.00044
21.50	0.99017	0.00043	22.50	0.98932	0.00043	22.50	0.97598	0.00045
22.00	0.99429	0.00042	23.00	0.99357	0.00043	23.00	0.97873	0.00044
22.50	0.99782	0.00043	23.50	0.99637	0.00043	23.50	0.98255	0.00044
23.00	1.00152	0.00042	24.00	0.99915	0.00044	24.00	0.98536	0.00043
23.50	1.00359	0.00042	24.50	1.00087	0.00043	24.50	0.98803	0.00043
24.00	1.00679	0.00043	25.00	1.00402	0.00045	25.00	0.99100	0.00043
			25.50	1.00763	0.00043	25.50	0.99305	0.00043
			26.00	1.00839	0.00044	26.00	0.99552	0.00042
			26.50	1.01119	0.00043	26.50	0.99700	0.00043
			27.00	1.01351	0.00043	27.00	1.00008	0.00042
			27.50	1.01513	0.00044	27.50	1.00131	0.00042
			28.00	1.01760	0.00041	28.00	1.00395	0.00043
			28.50	1.01937	0.00042	28.50	1.00535	0.00044
			29.00	1.02025	0.00043	29.00	1.00796	0.00044
			29.50	1.02189	0.00041	29.50	1.01005	0.00040
			30.00	1.02452	0.00042	30.00	1.01013	0.00042

5500			6000			7000		
20.00	0.93753	0.00044	20.00	0.91443	0.00045	999.98	0.96582	0.00039
20.50	0.94220	0.00045	21.00	0.92169	0.00044	999.99	0.96582	0.00039
21.00	0.94518	0.00044	22.00	0.92993	0.00044			
21.50	0.94962	0.00043	23.00	0.93541	0.00043			
22.00	0.95382	0.00046	24.00	0.94373	0.00044			
22.50	0.95728	0.00043	25.00	0.94821	0.00044			
23.00	0.95996	0.00044	26.00	0.95337	0.00044			
23.50	0.96320	0.00044	27.00	0.95849	0.00045			
24.00	0.96685	0.00044	28.00	0.96217	0.00043			
24.50	0.96946	0.00043	29.00	0.96595	0.00043			
25.00	0.97136	0.00043	30.00	0.96954	0.00044			
25.50	0.97428	0.00044	31.00	0.97230	0.00042			
26.00	0.97726	0.00044	32.00	0.97657	0.00043			
26.50	0.97918	0.00044	33.00	0.97763	0.00043			
27.00	0.98149	0.00044	34.00	0.98073	0.00043			
27.50	0.98445	0.00041	35.00	0.98244	0.00042			
28.00	0.98583	0.00043	36.00	0.98547	0.00043			
28.50	0.98693	0.00044	37.00	0.98739	0.00042			
29.00	0.98904	0.00044	38.00	0.98863	0.00041			
29.50	0.99094	0.00044	39.00	0.99052	0.00043			
30.00	0.99247	0.00044	40.00	0.99232	0.00042			
30.50	0.99438	0.00042	41.00	0.99281	0.00041			
31.00	0.99509	0.00043	42.00	0.99455	0.00041			
31.50	0.99732	0.00042	43.00	0.99604	0.00042			
32.00	0.99809	0.00045	44.00	0.99670	0.00041			
32.50	0.99923	0.00043	45.00	0.99846	0.00040			
33.00	1.00123	0.00043	46.00	0.99943	0.00042			
33.50	1.00251	0.00043	47.00	1.00128	0.00042			
34.00	1.00340	0.00042	48.00	1.00152	0.00043			
34.50	1.00518	0.00043	49.00	1.00279	0.00043			
35.00	1.00606	0.00042	50.00	1.00327	0.00043			

```
          7500                      8000                      9000
999.98 0.92762 0.00038   999.98 0.88463 0.00038   999.98 0.77785 0.00037
999.99 0.92762 0.00038   999.99 0.88463 0.00038   999.99 0.77785 0.00037

         10000                     15000                     18900
999.98 0.63932 0.00031   999.98 0.47278 0.00025   999.98 0.47261 0.00024
999.99 0.63932 0.00031   999.99 0.47278 0.00025   999.99 0.47261 0.00024
```

```
sumtable.u5o2-pl-0013-01
            20                        25                        30
999.98 0.03587 0.00001   999.98 0.04452 0.00001   999.98 0.05314 0.00001
999.99 0.03587 0.00001   999.99 0.04452 0.00001   999.99 0.05314 0.00001

            40                        45                        50
999.98 0.06980 0.00002   999.98 0.07801 0.00002   999.98 0.08622 0.00002
999.99 0.06980 0.00002   999.99 0.07801 0.00002   999.99 0.08622 0.00002

            55                        60                        65
999.98 0.09417 0.00002   999.98 0.10214 0.00003   999.98 0.10995 0.00003
999.99 0.09417 0.00002   999.99 0.10214 0.00003   999.99 0.10995 0.00003

            70                        80                       100
999.98 0.11768 0.00003   999.98 0.13294 0.00003   999.98 0.16234 0.00004
999.99 0.11768 0.00003   999.99 0.13294 0.00003   999.99 0.16234 0.00004

           130                       150                       170
999.98 0.20401 0.00005   999.98 0.23043 0.00006   999.98 0.25566 0.00007
999.99 0.20401 0.00005   999.99 0.23043 0.00006   999.99 0.25566 0.00007

           200                       350                       500
999.98 0.29171 0.00008   999.98 0.44341 0.00011   999.98 0.56038 0.00015
999.99 0.29171 0.00008   999.99 0.44341 0.00011   999.99 0.56038 0.00015

           800                      1000                      1500
999.98 0.72601 0.00019   999.98 0.80367 0.00023   999.98 0.93248 0.00027
999.99 0.72601 0.00019   999.99 0.80367 0.00023   999.99 0.93248 0.00027

          1700                      1900                      2000
999.98 0.96668 0.00028   999.98 0.99347 0.00029    20.00 0.92648 0.00035
999.99 0.96668 0.00028   999.99 0.99347 0.00029    25.00 0.95135 0.00034
                                                   30.00 0.96539 0.00035
                                                   35.00 0.97504 0.00033
                                                   40.00 0.98129 0.00032
                                                   45.00 0.98548 0.00032
                                                   50.00 0.98907 0.00032
                                                   55.00 0.99112 0.00031
                                                   60.00 0.99368 0.00031
                                                   65.00 0.99598 0.00031
                                                   70.00 0.99618 0.00031
                                                   75.00 0.99839 0.00030
                                                   80.00 0.99809 0.00031
                                                   85.00 0.99886 0.00031
                                                   90.00 0.99990 0.00030
                                                   95.00 1.00027 0.00031
                                                  100.00 1.00074 0.00032
                                                  105.00 1.00140 0.00030
                                                  110.00 1.00162 0.00031
                                                  115.00 1.00204 0.00030
                                                  120.00 1.00212 0.00031
```

2100

20.00	0.93652	0.00036
22.00	0.94802	0.00035
24.00	0.95702	0.00035
26.00	0.96327	0.00034
28.00	0.96937	0.00033
30.00	0.97514	0.00035
32.00	0.97925	0.00033
34.00	0.98283	0.00033
36.00	0.98612	0.00033
38.00	0.98875	0.00033
40.00	0.99055	0.00033
42.00	0.99300	0.00032
44.00	0.99535	0.00032
46.00	0.99690	0.00033
48.00	0.99891	0.00031
50.00	0.99923	0.00031
52.00	1.00076	0.00032
54.00	1.00176	0.00032
56.00	1.00243	0.00032
58.00	1.00328	0.00032
60.00	1.00433	0.00032

2300

14.00	0.89512	0.00039
15.00	0.90746	0.00038
16.00	0.91961	0.00039
17.00	0.92909	0.00038
18.00	0.93819	0.00037
19.00	0.94649	0.00037
20.00	0.95236	0.00037
21.00	0.95895	0.00038
22.00	0.96421	0.00036
23.00	0.96893	0.00036
24.00	0.97331	0.00035
25.00	0.97709	0.00035
26.00	0.98045	0.00035
27.00	0.98381	0.00035
28.00	0.98686	0.00036
29.00	0.98940	0.00035
30.00	0.99161	0.00035
31.00	0.99469	0.00036
32.00	0.99660	0.00036
33.00	0.99850	0.00035
34.00	1.00001	0.00034
35.00	1.00232	0.00035
36.00	1.00427	0.00034

2500

16.00	0.93215	0.00038
16.50	0.93667	0.00039
17.00	0.94171	0.00039
17.50	0.94677	0.00039
18.00	0.95038	0.00038
18.50	0.95461	0.00039
19.00	0.95784	0.00039
19.50	0.96178	0.00037
20.00	0.96512	0.00038
20.50	0.96829	0.00037
21.00	0.97166	0.00038
21.50	0.97455	0.00037
22.00	0.97622	0.00037
22.50	0.97899	0.00037
23.00	0.98118	0.00036
23.50	0.98431	0.00036
24.00	0.98599	0.00036
24.50	0.98795	0.00037
25.00	0.98980	0.00038
25.50	0.99289	0.00036
26.00	0.99335	0.00037
26.50	0.99612	0.00037
27.00	0.99766	0.00035
27.50	0.99904	0.00035
28.00	0.99976	0.00036
28.50	1.00191	0.00038
29.00	1.00304	0.00036
29.50	1.00418	0.00036
30.00	1.00546	0.00035

2700

12.00	0.88230	0.00042
12.50	0.89159	0.00040
13.00	0.90068	0.00042
13.50	0.90857	0.00041
14.00	0.91669	0.00042
14.50	0.92286	0.00041
15.00	0.93019	0.00041
15.50	0.93528	0.00041
16.00	0.94116	0.00038
16.50	0.94672	0.00040
17.00	0.95207	0.00041
17.50	0.95541	0.00039
18.00	0.96022	0.00038
18.50	0.96434	0.00040
19.00	0.96830	0.00039
19.50	0.97184	0.00038
20.00	0.97586	0.00039
20.50	0.97889	0.00039
21.00	0.98076	0.00038
21.50	0.98390	0.00038
22.00	0.98692	0.00038
22.50	0.98931	0.00038
23.00	0.99216	0.00039
23.50	0.99432	0.00037
24.00	0.99702	0.00035
24.50	0.99865	0.00037
25.00	1.00032	0.00038
25.50	1.00337	0.00037
26.00	1.00396	0.00038

3000

14.00	0.92501	0.00041
14.50	0.93241	0.00042
15.00	0.93830	0.00041
15.50	0.94578	0.00042
16.00	0.95062	0.00039
16.50	0.95555	0.00041
17.00	0.96096	0.00040
17.50	0.96593	0.00040
18.00	0.97075	0.00041
18.50	0.97414	0.00041
19.00	0.97835	0.00041
19.50	0.98250	0.00040
20.00	0.98538	0.00041
20.50	0.98874	0.00037
21.00	0.99278	0.00039
21.50	0.99452	0.00039
22.00	0.99761	0.00040
22.50	0.99990	0.00039
23.00	1.00256	0.00040
23.50	1.00527	0.00039
24.00	1.00716	0.00038

3500

12.00	0.89705	0.00042
12.50	0.90713	0.00044
13.00	0.91624	0.00045
13.50	0.92429	0.00045
14.00	0.93170	0.00044
14.50	0.93984	0.00044
15.00	0.94624	0.00042
15.50	0.95261	0.00044
16.00	0.95767	0.00042
16.50	0.96372	0.00043
17.00	0.96865	0.00041
17.50	0.97304	0.00042
18.00	0.97816	0.00042
18.50	0.98200	0.00041
19.00	0.98629	0.00043
19.50	0.99004	0.00041
20.00	0.99285	0.00041
20.50	0.99712	0.00043
21.00	1.00030	0.00042
21.50	1.00355	0.00042
22.00	1.00590	0.00042

4000

14.00	0.93053	0.00044
14.25	0.93471	0.00044
14.50	0.93835	0.00044
14.75	0.94144	0.00044
15.00	0.94451	0.00044
15.25	0.94706	0.00043
15.50	0.95093	0.00044
15.75	0.95456	0.00043
16.00	0.95794	0.00042
16.25	0.96024	0.00043
16.50	0.96318	0.00043
16.75	0.96488	0.00043
17.00	0.96769	0.00043
17.25	0.97049	0.00043
17.50	0.97181	0.00045
17.75	0.97452	0.00041
18.00	0.97801	0.00043
18.25	0.97943	0.00044
18.50	0.98128	0.00042
18.75	0.98402	0.00041
19.00	0.98505	0.00043
19.25	0.98769	0.00043
19.50	0.99030	0.00042
19.75	0.99087	0.00042
20.00	0.99350	0.00043
20.25	0.99435	0.00042
20.50	0.99666	0.00043
20.75	0.99810	0.00042
21.00	1.00016	0.00042
21.25	1.00175	0.00042
21.50	1.00347	0.00042
21.75	1.00402	0.00041
22.00	1.00562	0.00041

4500

14.00	0.92132	0.00044
14.50	0.92877	0.00043
15.00	0.93636	0.00046
15.50	0.94265	0.00046
16.00	0.94914	0.00044
16.50	0.95438	0.00045
17.00	0.95949	0.00044
17.50	0.96328	0.00043
18.00	0.96994	0.00044
18.50	0.97303	0.00043
19.00	0.97764	0.00043
19.50	0.98139	0.00042
20.00	0.98435	0.00043
20.50	0.98866	0.00045
21.00	0.99130	0.00043
21.50	0.99488	0.00045
22.00	0.99745	0.00044
22.50	1.00048	0.00043
23.00	1.00350	0.00043
23.50	1.00603	0.00043
24.00	1.00849	0.00041

5000

15.00	0.92268	0.00045
15.50	0.92891	0.00047
16.00	0.93504	0.00045
16.50	0.93994	0.00045
17.00	0.94617	0.00043
17.50	0.95037	0.00045
18.00	0.95603	0.00044
18.50	0.95960	0.00045
19.00	0.96441	0.00043
19.50	0.96830	0.00044
20.00	0.97146	0.00043
20.50	0.97506	0.00045
21.00	0.97831	0.00043
21.50	0.98215	0.00043
22.00	0.98420	0.00045
22.50	0.98856	0.00043
23.00	0.98945	0.00043
23.50	0.99227	0.00042
24.00	0.99466	0.00043
24.50	0.99782	0.00039
25.00	0.99981	0.00041
25.50	1.00140	0.00042
26.00	1.00319	0.00044

5500

15.00	0.90305	0.00045
16.00	0.91602	0.00045
17.00	0.92644	0.00045
18.00	0.93667	0.00045
19.00	0.94569	0.00045
20.00	0.95324	0.00044
21.00	0.95975	0.00045
22.00	0.96652	0.00042
23.00	0.97145	0.00043
24.00	0.97656	0.00045
25.00	0.98118	0.00043
26.00	0.98437	0.00044
27.00	0.98844	0.00043
28.00	0.99291	0.00044
29.00	0.99551	0.00045
30.00	0.99800	0.00042
31.00	1.00147	0.00043
32.00	1.00328	0.00042
33.00	1.00518	0.00042
34.00	1.00818	0.00042
35.00	1.00985	0.00041

6000

20.00	0.93016	0.00044
21.00	0.93624	0.00043
22.00	0.94296	0.00044
23.00	0.94806	0.00044
24.00	0.95346	0.00045
25.00	0.95812	0.00042
26.00	0.96203	0.00043
27.00	0.96607	0.00041
28.00	0.96944	0.00044
29.00	0.97232	0.00045
30.00	0.97516	0.00042
31.00	0.97907	0.00042
32.00	0.98052	0.00043
33.00	0.98241	0.00042
34.00	0.98573	0.00041
35.00	0.98672	0.00043
36.00	0.98891	0.00042
37.00	0.99075	0.00042
38.00	0.99231	0.00041
39.00	0.99363	0.00041
40.00	0.99435	0.00042

7000

999.98	0.96582	0.00039
999.99	0.96582	0.00039

```
 36.00 1.01140 0.00043    41.00 0.99636 0.00042
 37.00 1.01350 0.00041    42.00 0.99642 0.00042
 38.00 1.01434 0.00042    43.00 0.99867 0.00043
 39.00 1.01676 0.00043    44.00 0.99998 0.00043
 40.00 1.01685 0.00043    45.00 1.00081 0.00041
 41.00 1.01889 0.00041    46.00 1.00167 0.00043
 42.00 1.01873 0.00043    47.00 1.00200 0.00040
 43.00 1.02115 0.00040    48.00 1.00331 0.00043
                          49.00 1.00450 0.00040
                          50.00 1.00448 0.00043
```

```
          7500                      8000                      9000
999.98 0.92762 0.00038   999.98 0.88463 0.00038   999.98 0.77785 0.00037
999.99 0.92762 0.00038   999.99 0.88463 0.00038   999.99 0.77785 0.00037

         10000                     15000                     18900
999.98 0.63932 0.00031   999.98 0.47278 0.00025   999.98 0.47261 0.00024
999.99 0.63932 0.00031   999.99 0.47278 0.00025   999.99 0.47261 0.00024
```

```
sumtable.u5o2-pl-0013-10
            20                        25                        30
999.98 0.03587 0.00001   999.98 0.04452 0.00001   999.98 0.05314 0.00001
999.99 0.03587 0.00001   999.99 0.04452 0.00001   999.99 0.05314 0.00001

            40                        45                        50
999.98 0.06980 0.00002   999.98 0.07801 0.00002   999.98 0.08622 0.00002
999.99 0.06980 0.00002   999.99 0.07801 0.00002   999.99 0.08622 0.00002

            55                        60                        65
999.98 0.09417 0.00002   999.98 0.10214 0.00003   999.98 0.10995 0.00003
999.99 0.09417 0.00002   999.99 0.10214 0.00003   999.99 0.10995 0.00003

            70                        80                       100
999.98 0.11768 0.00003   999.98 0.13294 0.00003   999.98 0.16234 0.00004
999.99 0.11768 0.00003   999.99 0.13294 0.00003   999.99 0.16234 0.00004

           130                       150                       170
999.98 0.20401 0.00005   999.98 0.23043 0.00006   999.98 0.25566 0.00007
999.99 0.20401 0.00005   999.99 0.23043 0.00006   999.99 0.25566 0.00007

           200                       350                       500
999.98 0.29171 0.00008   999.98 0.44341 0.00011   999.98 0.56038 0.00015
999.99 0.29171 0.00008   999.99 0.44341 0.00011   999.99 0.56038 0.00015

           800                      1000                      1500
999.98 0.72601 0.00019   999.98 0.80367 0.00023   999.98 0.93248 0.00027
999.99 0.72601 0.00019   999.99 0.80367 0.00023   999.99 0.93248 0.00027
```

1700			1900			2000		
999.98	0.96668	0.00028	999.98	0.99347	0.00029	20.00	0.93510	0.00034
999.99	0.96668	0.00028	999.99	0.99347	0.00029	22.50	0.94598	0.00033
						25.00	0.95607	0.00034
						27.50	0.96156	0.00032
						30.00	0.96801	0.00033
						32.50	0.97328	0.00031
						35.00	0.97632	0.00032
						37.50	0.98023	0.00033
						40.00	0.98247	0.00033
						42.50	0.98426	0.00032
						45.00	0.98633	0.00031
						47.50	0.98803	0.00031
						50.00	0.98937	0.00032
						52.50	0.99138	0.00033
						55.00	0.99214	0.00031
						57.50	0.99355	0.00031
						60.00	0.99440	0.00031
						62.50	0.99521	0.00031
						65.00	0.99495	0.00031
						67.50	0.99686	0.00032
						70.00	0.99692	0.00030
						72.50	0.99710	0.00030
						75.00	0.99784	0.00030
						77.50	0.99809	0.00029
						80.00	0.99899	0.00031
						82.50	0.99963	0.00031
						85.00	0.99988	0.00030
						87.50	0.99949	0.00032
						90.00	1.00017	0.00031
						92.50	1.00063	0.00030
						95.00	1.00104	0.00031
						97.50	1.00034	0.00029
						100.00	1.00104	0.00031

2100			2300			2500		
16.00	0.91826	0.00035	16.00	0.93366	0.00038	14.00	0.92678	0.00037
18.00	0.93233	0.00036	17.00	0.94166	0.00037	14.50	0.93173	0.00038
20.00	0.94430	0.00035	18.00	0.94879	0.00037	15.00	0.93683	0.00037
22.00	0.95459	0.00034	19.00	0.95511	0.00036	15.50	0.94187	0.00037
24.00	0.96166	0.00033	20.00	0.96097	0.00034	16.00	0.94647	0.00037
26.00	0.96814	0.00034	21.00	0.96587	0.00036	16.50	0.95103	0.00039
28.00	0.97388	0.00034	22.00	0.97028	0.00036	17.00	0.95514	0.00037
30.00	0.97846	0.00033	23.00	0.97571	0.00036	17.50	0.95831	0.00037
32.00	0.98206	0.00034	24.00	0.97821	0.00033	18.00	0.96249	0.00038
34.00	0.98576	0.00034	25.00	0.98268	0.00035	18.50	0.96596	0.00037
36.00	0.98780	0.00034	26.00	0.98490	0.00035	19.00	0.96836	0.00038
38.00	0.99061	0.00032	27.00	0.98850	0.00034	19.50	0.97184	0.00036
40.00	0.99295	0.00031	28.00	0.99116	0.00033	20.00	0.97402	0.00037
42.00	0.99542	0.00032	29.00	0.99335	0.00035	20.50	0.97692	0.00036
44.00	0.99595	0.00033	30.00	0.99622	0.00034	21.00	0.98001	0.00036
46.00	0.99810	0.00033	31.00	0.99724	0.00035	21.50	0.98148	0.00037
48.00	1.00011	0.00032	32.00	1.00023	0.00036	22.00	0.98449	0.00038
50.00	1.00010	0.00030	33.00	1.00061	0.00033	22.50	0.98609	0.00035
52.00	1.00091	0.00032	34.00	1.00274	0.00034	23.00	0.98858	0.00036
			35.00	1.00466	0.00034	23.50	0.99038	0.00036
			36.00	1.00606	0.00034	24.00	0.99279	0.00035
						24.50	0.99430	0.00035

25.00	0.99545	0.00036
25.50	0.99730	0.00035
26.00	0.99873	0.00036
26.50	1.00067	0.00037
27.00	1.00145	0.00036
27.50	1.00330	0.00036
28.00	1.00390	0.00035

2700			3000			3500		
14.00	0.93614	0.00039	12.00	0.91999	0.00039	12.00	0.92777	0.00042
14.50	0.94147	0.00039	12.50	0.92729	0.00040	12.50	0.93520	0.00041
15.00	0.94709	0.00039	13.00	0.93359	0.00038	13.00	0.94215	0.00042
15.50	0.95183	0.00038	13.50	0.94107	0.00040	13.50	0.94994	0.00042
16.00	0.95616	0.00038	14.00	0.94670	0.00039	14.00	0.95485	0.00041
16.50	0.96124	0.00037	14.50	0.95275	0.00041	14.50	0.96107	0.00042
17.00	0.96525	0.00038	15.00	0.95701	0.00040	15.00	0.96669	0.00042
17.50	0.96886	0.00038	15.50	0.96251	0.00039	15.50	0.97160	0.00040
18.00	0.97214	0.00036	16.00	0.96682	0.00038	16.00	0.97587	0.00041
18.50	0.97604	0.00038	16.50	0.97197	0.00038	16.50	0.98014	0.00041
19.00	0.97890	0.00037	17.00	0.97486	0.00040	17.00	0.98374	0.00040
19.50	0.98172	0.00037	17.50	0.97969	0.00040	17.50	0.98874	0.00041
20.00	0.98430	0.00037	18.00	0.98408	0.00039	18.00	0.99190	0.00040
20.50	0.98751	0.00038	18.50	0.98608	0.00040	18.50	0.99544	0.00042
21.00	0.99021	0.00036	19.00	0.98978	0.00039	19.00	0.99865	0.00041
21.50	0.99253	0.00038	19.50	0.99244	0.00038	19.50	1.00183	0.00041
22.00	0.99408	0.00037	20.00	0.99479	0.00038	20.00	1.00528	0.00040
22.50	0.99660	0.00037	20.50	0.99886	0.00038	20.50	1.00672	0.00040
23.00	0.99869	0.00036	21.00	1.00091	0.00038	21.00	1.00992	0.00040
23.50	1.00078	0.00037	21.50	1.00400	0.00038	21.50	1.01260	0.00040
24.00	1.00235	0.00037	22.00	1.00554	0.00038	22.00	1.01493	0.00039

4000			4500			5000		
12.00	0.92845	0.00042	10.00	0.88525	0.00044	14.00	0.93649	0.00042
12.50	0.93486	0.00042	10.50	0.89541	0.00044	14.50	0.94159	0.00044
13.00	0.94228	0.00042	11.00	0.90438	0.00045	15.00	0.94663	0.00043
13.50	0.94903	0.00043	11.50	0.91302	0.00043	15.50	0.95182	0.00044
14.00	0.95513	0.00042	12.00	0.92150	0.00044	16.00	0.95701	0.00043
14.50	0.96045	0.00041	12.50	0.92886	0.00042	16.50	0.96079	0.00043
15.00	0.96637	0.00043	13.00	0.93626	0.00043	17.00	0.96531	0.00043
15.50	0.97114	0.00042	13.50	0.94189	0.00042	17.50	0.96824	0.00043
16.00	0.97521	0.00043	14.00	0.94789	0.00044	18.00	0.97340	0.00042
16.50	0.98082	0.00041	14.50	0.95432	0.00042	18.50	0.97614	0.00042
17.00	0.98432	0.00042	15.00	0.95877	0.00043	19.00	0.97850	0.00043
17.50	0.98847	0.00044	15.50	0.96439	0.00044	19.50	0.98214	0.00041
18.00	0.99219	0.00041	16.00	0.96873	0.00042	20.00	0.98529	0.00042
18.50	0.99527	0.00040	16.50	0.97322	0.00041	20.50	0.98809	0.00043
19.00	0.99941	0.00041	17.00	0.97795	0.00043	21.00	0.99048	0.00041
19.50	1.00177	0.00042	17.50	0.98145	0.00043	21.50	0.99314	0.00041
20.00	1.00462	0.00042	18.00	0.98565	0.00042	22.00	0.99495	0.00042
20.50	1.00722	0.00042	18.50	0.98800	0.00043	22.50	0.99791	0.00042
21.00	1.00990	0.00042	19.00	0.99171	0.00042	23.00	1.00098	0.00040
21.50	1.01271	0.00040	19.50	0.99530	0.00042	23.50	1.00254	0.00043
22.00	1.01416	0.00040	20.00	0.99809	0.00041	24.00	1.00432	0.00041
			20.50	1.00096	0.00042			
			21.00	1.00244	0.00042			
			21.50	1.00623	0.00043			
			22.00	1.00786	0.00041			

5500			6000			7000		
15.00	0.93041	0.00044	18.00	0.93357	0.00044	999.98	0.96582	0.00039
15.50	0.93537	0.00044	19.00	0.93987	0.00043	999.99	0.96582	0.00039
16.00	0.93845	0.00043	20.00	0.94623	0.00044			
16.50	0.94443	0.00043	21.00	0.95070	0.00044			
17.00	0.94754	0.00043	22.00	0.95570	0.00043			
17.50	0.95146	0.00044	23.00	0.96012	0.00043			
18.00	0.95568	0.00044	24.00	0.96477	0.00042			
18.50	0.95924	0.00043	25.00	0.96682	0.00042			
19.00	0.96088	0.00046	26.00	0.97058	0.00041			
19.50	0.96449	0.00044	27.00	0.97395	0.00043			
20.00	0.96684	0.00043	28.00	0.97674	0.00041			
20.50	0.97134	0.00043	29.00	0.97934	0.00041			
21.00	0.97355	0.00043	30.00	0.98123	0.00042			
21.50	0.97567	0.00044	31.00	0.98439	0.00041			
22.00	0.97819	0.00045	32.00	0.98613	0.00043			
22.50	0.97954	0.00043	33.00	0.98736	0.00043			
23.00	0.98245	0.00043	34.00	0.98958	0.00041			
23.50	0.98405	0.00043	35.00	0.99166	0.00043			
24.00	0.98654	0.00043	36.00	0.99262	0.00041			
24.50	0.98894	0.00043	37.00	0.99364	0.00042			
25.00	0.98975	0.00042	38.00	0.99522	0.00042			
25.50	0.99137	0.00043	39.00	0.99742	0.00042			
26.00	0.99286	0.00042	40.00	0.99861	0.00040			
26.50	0.99531	0.00043	41.00	0.99896	0.00040			
27.00	0.99602	0.00042	42.00	0.99997	0.00044			
27.50	0.99844	0.00039	43.00	1.00062	0.00041			
28.00	0.99838	0.00043	44.00	1.00141	0.00040			
28.50	1.00111	0.00042	45.00	1.00338	0.00041			
29.00	1.00161	0.00042	46.00	1.00316	0.00041			
29.50	1.00356	0.00041	47.00	1.00451	0.00040			
30.00	1.00408	0.00040	48.00	1.00525	0.00042			

7500			8000			9000		
999.98	0.92762	0.00038	999.98	0.88463	0.00038	999.98	0.77785	0.00037
999.99	0.92762	0.00038	999.99	0.88463	0.00038	999.99	0.77785	0.00037

10000			18900		
999.98	0.63932	0.00031	999.98	0.47261	0.00024
999.99	0.63932	0.00031	999.99	0.47261	0.00024

sumtable.u5o2-pl-0025-00

	20			25			30	
999.98	0.06762	0.00002	999.98	0.08368	0.00002	999.98	0.09930	0.00003
999.99	0.06762	0.00002	999.99	0.08368	0.00002	999.99	0.09930	0.00003
	40			45			50	
999.98	0.12965	0.00003	999.98	0.14441	0.00004	999.98	0.15893	0.00004
999.99	0.12965	0.00003	999.99	0.14441	0.00004	999.99	0.15893	0.00004
	55			60			65	
999.98	0.17296	0.00004	999.98	0.18700	0.00005	999.98	0.20055	0.00005
999.99	0.17296	0.00004	999.99	0.18700	0.00005	999.99	0.20055	0.00005
	70			80			100	
999.98	0.21391	0.00005	999.98	0.24010	0.00006	999.98	0.28944	0.00007
999.99	0.21391	0.00005	999.99	0.24010	0.00006	999.99	0.28944	0.00007
	130			150			170	
999.98	0.35718	0.00009	999.98	0.39886	0.00010	999.98	0.43800	0.00011
999.99	0.35718	0.00009	999.99	0.39886	0.00010	999.99	0.43800	0.00011
	200			350			400	
999.98	0.49202	0.00011	999.98	0.70253	0.00016	999.98	0.75636	0.00017
999.99	0.49202	0.00011	999.99	0.70253	0.00016	999.99	0.75636	0.00017
	500			650			800	
999.98	0.84661	0.00020	999.98	0.94978	0.00023	20.00	0.93699	0.00033
999.99	0.84661	0.00020	999.99	0.94978	0.00023	21.00	0.94399	0.00032
						22.00	0.95035	0.00032
						23.00	0.95608	0.00031
						24.00	0.96074	0.00032
						25.00	0.96553	0.00032
						26.00	0.96912	0.00031
						27.00	0.97322	0.00032
						28.00	0.97610	0.00029
						29.00	0.97961	0.00030
						30.00	0.98239	0.00030
						31.00	0.98468	0.00030
						32.00	0.98738	0.00030
						33.00	0.98954	0.00029
						34.00	0.99054	0.00028
						35.00	0.99237	0.00029
						36.00	0.99463	0.00028
						37.00	0.99713	0.00029
						38.00	0.99790	0.00028
						39.00	0.99935	0.00029
						40.00	1.00047	0.00027
						41.00	1.00172	0.00027
						42.00	1.00314	0.00028

	900			1000			1200	
16.00	0.93329	0.00035	14.00	0.93203	0.00039	12.00	0.93181	0.00042
16.50	0.94023	0.00036	14.25	0.93628	0.00040	12.20	0.93684	0.00043
17.00	0.94628	0.00036	14.50	0.94056	0.00038	12.40	0.94343	0.00043
17.50	0.95081	0.00037	14.75	0.94460	0.00038	12.60	0.94754	0.00041
18.00	0.95722	0.00035	15.00	0.94918	0.00038	12.80	0.95323	0.00040
18.50	0.96112	0.00035	15.25	0.95273	0.00038	13.00	0.95770	0.00042
19.00	0.96577	0.00034	15.50	0.95675	0.00037	13.20	0.96137	0.00043

19.50	0.97046	0.00037
20.00	0.97432	0.00034
20.50	0.97800	0.00035
21.00	0.98153	0.00033
21.50	0.98548	0.00032
22.00	0.98864	0.00033
22.50	0.99139	0.00035
23.00	0.99486	0.00033
23.50	0.99679	0.00034
24.00	0.99959	0.00032
24.50	1.00225	0.00031
25.00	1.00452	0.00033
25.50	1.00562	0.00032
26.00	1.00835	0.00033

15.75	0.96027	0.00037
16.00	0.96426	0.00037
16.25	0.96791	0.00040
16.50	0.97047	0.00036
16.75	0.97380	0.00036
17.00	0.97640	0.00035
17.25	0.98023	0.00037
17.50	0.98210	0.00036
17.75	0.98555	0.00037
18.00	0.98801	0.00035
18.25	0.99066	0.00035
18.50	0.99293	0.00036
18.75	0.99599	0.00035
19.00	0.99720	0.00036
19.25	1.00073	0.00035
19.50	1.00178	0.00037
19.75	1.00400	0.00036
20.00	1.00641	0.00036

13.40	0.96619	0.00040
13.60	0.96979	0.00044
13.80	0.97479	0.00040
14.00	0.97760	0.00043
14.20	0.98242	0.00042
14.40	0.98572	0.00041
14.60	0.98917	0.00040
14.80	0.99206	0.00041
15.00	0.99642	0.00041
15.20	0.99979	0.00039
15.40	1.00277	0.00042
15.60	1.00595	0.00041
15.80	1.00927	0.00040
16.00	1.01093	0.00040

1500

10.50	0.92693	0.00046
10.60	0.93096	0.00048
10.70	0.93568	0.00045
10.80	0.93920	0.00047
10.90	0.94216	0.00048
11.00	0.94538	0.00046
11.10	0.94884	0.00045
11.20	0.95114	0.00046
11.30	0.95581	0.00045
11.40	0.95938	0.00045
11.50	0.96124	0.00046
11.60	0.96486	0.00045
11.70	0.96743	0.00045
11.80	0.97063	0.00046
11.90	0.97426	0.00045
12.00	0.97698	0.00044
12.10	0.97919	0.00045
12.20	0.98300	0.00047
12.30	0.98586	0.00047
12.40	0.98835	0.00045
12.50	0.99104	0.00046
12.60	0.99316	0.00046
12.70	0.99576	0.00046
12.80	0.99817	0.00044
12.90	1.00036	0.00046
13.00	1.00297	0.00045

1700

10.00	0.92585	0.00046
10.10	0.93027	0.00050
10.20	0.93436	0.00047
10.30	0.93921	0.00047
10.40	0.94231	0.00047
10.50	0.94625	0.00046
10.60	0.95030	0.00047
10.70	0.95360	0.00047
10.80	0.95816	0.00049
10.90	0.96100	0.00048
11.00	0.96521	0.00047
11.10	0.96829	0.00049
11.20	0.97183	0.00048
11.30	0.97457	0.00046
11.40	0.97778	0.00048
11.50	0.98224	0.00047
11.60	0.98466	0.00047
11.70	0.98621	0.00047
11.80	0.98934	0.00046
11.90	0.99371	0.00046
12.00	0.99689	0.00046
12.10	0.99923	0.00047
12.20	1.00200	0.00048
12.30	1.00533	0.00046

1900

9.60	0.92091	0.00049
9.70	0.92608	0.00050
9.80	0.93060	0.00050
9.90	0.93519	0.00048
10.00	0.93989	0.00051
10.10	0.94297	0.00049
10.20	0.94771	0.00047
10.30	0.95140	0.00049
10.40	0.95644	0.00050
10.50	0.95960	0.00049
10.60	0.96370	0.00050
10.70	0.96824	0.00049
10.80	0.97120	0.00048
10.90	0.97458	0.00049
11.00	0.97839	0.00050
11.10	0.98221	0.00048
11.20	0.98595	0.00049
11.30	0.98981	0.00049
11.40	0.99230	0.00048
11.50	0.99524	0.00048
11.60	0.99861	0.00050
11.70	1.00157	0.00049
11.80	1.00501	0.00048
11.90	1.00724	0.00047
12.00	1.01051	0.00049

2000			2100			2500		
9.60	0.92655	0.00051	9.50	0.92565	0.00049	9.50	0.93441	0.00052
9.70	0.93200	0.00051	9.60	0.93059	0.00050	9.60	0.93963	0.00052
9.80	0.93623	0.00050	9.70	0.93475	0.00050	9.70	0.94396	0.00053
9.90	0.94064	0.00048	9.80	0.93968	0.00051	9.80	0.94846	0.00050
10.00	0.94467	0.00050	9.90	0.94459	0.00054	9.90	0.95255	0.00052
10.10	0.94869	0.00049	10.00	0.94820	0.00052	10.00	0.95842	0.00050
10.20	0.95294	0.00050	10.10	0.95316	0.00049	10.10	0.96221	0.00052
10.30	0.95716	0.00050	10.20	0.95656	0.00051	10.20	0.96646	0.00053
10.40	0.96185	0.00052	10.30	0.96160	0.00051	10.30	0.97062	0.00049
10.50	0.96464	0.00050	10.40	0.96551	0.00050	10.40	0.97452	0.00051
10.60	0.96858	0.00050	10.50	0.96899	0.00051	10.50	0.97812	0.00052
10.70	0.97280	0.00048	10.60	0.97317	0.00049	10.60	0.98246	0.00050
10.80	0.97707	0.00048	10.70	0.97745	0.00050	10.70	0.98714	0.00053
10.90	0.98031	0.00048	10.80	0.98055	0.00050	10.80	0.99099	0.00054
11.00	0.98371	0.00049	10.90	0.98439	0.00050	10.90	0.99430	0.00055
11.10	0.98807	0.00049	11.00	0.98795	0.00051	11.00	0.99730	0.00051
11.20	0.99039	0.00049	11.10	0.99306	0.00051	11.10	1.00143	0.00052
11.30	0.99417	0.00047	11.20	0.99503	0.00049	11.20	1.00535	0.00051
11.40	0.99775	0.00049	11.30	0.99791	0.00050	11.30	1.00777	0.00051
11.50	1.00067	0.00050	11.40	1.00209	0.00050			
11.60	1.00467	0.00049	11.50	1.00531	0.00048			
			11.60	1.00824	0.00049			

3000			4000			5000		
9.50	0.93271	0.00054	10.00	0.93006	0.00054	11.20	0.93242	0.00053
9.60	0.93809	0.00053	10.10	0.93585	0.00055	11.30	0.93532	0.00054
9.70	0.94317	0.00055	10.20	0.93914	0.00051	11.40	0.93990	0.00053
9.80	0.94750	0.00054	10.30	0.94312	0.00053	11.50	0.94272	0.00053
9.90	0.95250	0.00053	10.40	0.94798	0.00053	11.60	0.94623	0.00056
10.00	0.95643	0.00054	10.50	0.95207	0.00055	11.70	0.95048	0.00053
10.10	0.96121	0.00052	10.60	0.95623	0.00055	11.80	0.95231	0.00053
10.20	0.96491	0.00055	10.70	0.96056	0.00053	11.90	0.95601	0.00052
10.30	0.96976	0.00054	10.80	0.96381	0.00055	12.00	0.96019	0.00055
10.40	0.97449	0.00053	10.90	0.96868	0.00053	12.10	0.96328	0.00052
10.50	0.97873	0.00052	11.00	0.97176	0.00054	12.20	0.96596	0.00053
10.60	0.98247	0.00054	11.10	0.97528	0.00052	12.30	0.96930	0.00054
10.70	0.98548	0.00052	11.20	0.97915	0.00054	12.40	0.97253	0.00052
10.80	0.98891	0.00054	11.30	0.98234	0.00051	12.50	0.97581	0.00053
10.90	0.99378	0.00053	11.40	0.98620	0.00053	12.60	0.97759	0.00054
11.00	0.99763	0.00050	11.50	0.99028	0.00052	12.70	0.98079	0.00054
11.10	1.00108	0.00053	11.60	0.99362	0.00054	12.80	0.98317	0.00053
11.20	1.00412	0.00053	11.70	0.99601	0.00054	12.90	0.98675	0.00053
11.30	1.00738	0.00052	11.80	0.99940	0.00055	13.00	0.98868	0.00054
			11.90	1.00262	0.00052	13.10	0.99288	0.00053
			12.00	1.00602	0.00054	13.20	0.99467	0.00052
						13.30	0.99664	0.00053
						13.40	1.00082	0.00053
						13.50	1.00308	0.00054
						13.60	1.00494	0.00053

6000			7000			7500		
13.20	0.93365	0.00050	17.00	0.93593	0.00048	20.00	0.93204	0.00048
13.40	0.93859	0.00050	17.25	0.93966	0.00049	20.50	0.93579	0.00047
13.60	0.94311	0.00051	17.50	0.94328	0.00048	21.00	0.94069	0.00047
13.80	0.94847	0.00051	17.75	0.94730	0.00048	21.50	0.94510	0.00048
14.00	0.95280	0.00051	18.00	0.95036	0.00050	22.00	0.94924	0.00046
14.20	0.95771	0.00052	18.25	0.95281	0.00048	22.50	0.95359	0.00046
14.40	0.96282	0.00050	18.50	0.95682	0.00048	23.00	0.95730	0.00046
14.60	0.96651	0.00053	18.75	0.95983	0.00052	23.50	0.96051	0.00046
14.80	0.97140	0.00051	19.00	0.96306	0.00049	24.00	0.96398	0.00047
15.00	0.97571	0.00048	19.25	0.96602	0.00048	24.50	0.96809	0.00047
15.20	0.97960	0.00051	19.50	0.96823	0.00048	25.00	0.97126	0.00048
15.40	0.98355	0.00050	19.75	0.97117	0.00047	25.50	0.97286	0.00047
15.60	0.98628	0.00052	20.00	0.97352	0.00047	26.00	0.97671	0.00046
15.80	0.99040	0.00052	20.25	0.97572	0.00045	26.50	0.97933	0.00048
16.00	0.99463	0.00052	20.50	0.97920	0.00050	27.00	0.98253	0.00047
16.20	0.99777	0.00050	20.75	0.98114	0.00048	27.50	0.98416	0.00047
16.40	1.00073	0.00050	21.00	0.98318	0.00046	28.00	0.98653	0.00048
16.60	1.00374	0.00051	21.25	0.98625	0.00047	28.50	0.98816	0.00047
16.80	1.00708	0.00052	21.50	0.98783	0.00048	29.00	0.99028	0.00047
			21.75	0.98935	0.00049	29.50	0.99255	0.00047
			22.00	0.99262	0.00048	30.00	0.99421	0.00046
			22.25	0.99527	0.00048	30.50	0.99658	0.00046
			22.50	0.99608	0.00047	31.00	0.99821	0.00045
			22.75	0.99794	0.00048	31.50	0.99930	0.00047
			23.00	0.99898	0.00047	32.00	1.00120	0.00045
			23.25	1.00216	0.00047	32.50	1.00262	0.00045
			23.50	1.00341	0.00048	33.00	1.00373	0.00046
			23.75	1.00653	0.00049	33.50	1.00577	0.00045
			24.00	1.00765	0.00047	34.00	1.00697	0.00044
			24.25	1.00934	0.00045			
			24.50	1.01092	0.00047			

8000			9000			10000		
26.00	0.92927	0.00045	999.98	0.90409	0.00040	999.98	0.77851	0.00033
28.00	0.93905	0.00046	999.99	0.90409	0.00040	999.99	0.77851	0.00033
30.00	0.94815	0.00045						
32.00	0.95441	0.00042						
34.00	0.96068	0.00044						
36.00	0.96587	0.00044						
38.00	0.96995	0.00044						
40.00	0.97361	0.00044						
42.00	0.97707	0.00043						
44.00	0.97969	0.00045						
46.00	0.98245	0.00043						
48.00	0.98389	0.00043						
50.00	0.98593	0.00043						
52.00	0.98857	0.00044						
54.00	0.99047	0.00044						
56.00	0.99156	0.00043						
58.00	0.99249	0.00043						
60.00	0.99354	0.00042						
62.00	0.99486	0.00042						
64.00	0.99523	0.00044						
66.00	0.99621	0.00043						
68.00	0.99709	0.00041						
70.00	0.99842	0.00044						
72.00	0.99884	0.00042						

```
 74.00 0.99986 0.00043
 76.00 1.00014 0.00043
 78.00 1.00099 0.00043
 80.00 1.00231 0.00044

         15000                     18900
999.98 0.61469 0.00027   999.98 0.61413 0.00024
999.99 0.61469 0.00027   999.99 0.61413 0.00024
```

```
sumtable.u5o2-pl-0025-01
            20                        25                        30
999.98 0.06762 0.00002   999.98 0.08368 0.00002   999.98 0.09930 0.00003
999.99 0.06762 0.00002   999.99 0.08368 0.00002   999.99 0.09930 0.00003

            40                        45                        50
999.98 0.12965 0.00003   999.98 0.14441 0.00004   999.98 0.15893 0.00004
999.99 0.12965 0.00003   999.99 0.14441 0.00004   999.99 0.15893 0.00004

            55                        60                        65
999.98 0.17296 0.00004   999.98 0.18700 0.00005   999.98 0.20055 0.00005
999.99 0.17296 0.00004   999.99 0.18700 0.00005   999.99 0.20055 0.00005

            70                        80                       100
999.98 0.21391 0.00005   999.98 0.24010 0.00006   999.98 0.28944 0.00007
999.99 0.21391 0.00005   999.99 0.24010 0.00006   999.99 0.28944 0.00007

           130                       150                       170
999.98 0.35718 0.00009   999.98 0.39886 0.00010   999.98 0.43800 0.00011
999.99 0.35718 0.00009   999.99 0.39886 0.00010   999.99 0.43800 0.00011

           200                       350                       400
999.98 0.49202 0.00011   999.98 0.70253 0.00016   999.98 0.75636 0.00017
999.99 0.49202 0.00011   999.99 0.70253 0.00016   999.99 0.75636 0.00017

           500                       650                       800
999.98 0.84661 0.00020   999.98 0.94978 0.00023    18.00 0.93365 0.00033
999.99 0.84661 0.00020   999.99 0.94978 0.00023    19.00 0.94106 0.00031
                                                   20.00 0.94780 0.00031
                                                   21.00 0.95402 0.00031
                                                   22.00 0.95944 0.00031
                                                   23.00 0.96374 0.00032
                                                   24.00 0.96793 0.00030
                                                   25.00 0.97155 0.00031
                                                   26.00 0.97542 0.00030
                                                   27.00 0.97900 0.00029
                                                   28.00 0.98138 0.00030
                                                   29.00 0.98396 0.00029
                                                   30.00 0.98587 0.00029
                                                   31.00 0.98859 0.00029
                                                   32.00 0.99052 0.00028
                                                   33.00 0.99235 0.00029
                                                   34.00 0.99370 0.00029
                                                   35.00 0.99514 0.00029
                                                   36.00 0.99767 0.00028
                                                   37.00 0.99783 0.00028
                                                   38.00 1.00004 0.00028
                                                   39.00 1.00189 0.00029
                                                   40.00 1.00239 0.00027
```

900			1000			1200		
15.00	0.94127	0.00035	12.00	0.92418	0.00039	9.00	0.88888	0.00043
15.25	0.94343	0.00035	12.25	0.92960	0.00039	9.20	0.89594	0.00044
15.50	0.94693	0.00035	12.50	0.93306	0.00039	9.40	0.90253	0.00041
15.75	0.95048	0.00035	12.75	0.93787	0.00039	9.60	0.90889	0.00042
16.00	0.95233	0.00034	13.00	0.94290	0.00037	9.80	0.91532	0.00042
16.25	0.95507	0.00035	13.25	0.94694	0.00038	10.00	0.92118	0.00043
16.50	0.95749	0.00035	13.50	0.95021	0.00037	10.20	0.92648	0.00042
16.75	0.96066	0.00034	13.75	0.95466	0.00037	10.40	0.93269	0.00040
17.00	0.96291	0.00035	14.00	0.95820	0.00037	10.60	0.93785	0.00043
17.25	0.96439	0.00034	14.25	0.96175	0.00037	10.80	0.94378	0.00042
17.50	0.96736	0.00035	14.50	0.96595	0.00038	11.00	0.94821	0.00042
17.75	0.96923	0.00036	14.75	0.96836	0.00037	11.20	0.95268	0.00043
18.00	0.97160	0.00034	15.00	0.97253	0.00035	11.40	0.95823	0.00043
18.25	0.97327	0.00033	15.25	0.97499	0.00036	11.60	0.96149	0.00040
18.50	0.97543	0.00034	15.50	0.97727	0.00037	11.80	0.96662	0.00042
18.75	0.97761	0.00035	15.75	0.98068	0.00036	12.00	0.96965	0.00040
19.00	0.97884	0.00033	16.00	0.98400	0.00035	12.20	0.97376	0.00041
19.25	0.98053	0.00032	16.25	0.98740	0.00036	12.40	0.97836	0.00042
19.50	0.98210	0.00033	16.50	0.98961	0.00035	12.60	0.98256	0.00041
19.75	0.98453	0.00034	16.75	0.99172	0.00037	12.80	0.98631	0.00040
20.00	0.98596	0.00033	17.00	0.99351	0.00036	13.00	0.98944	0.00040
20.25	0.98702	0.00034	17.25	0.99580	0.00036	13.20	0.99329	0.00041
20.50	0.98878	0.00033	17.50	0.99847	0.00036	13.40	0.99637	0.00041
20.75	0.99039	0.00032	17.75	1.00114	0.00036	13.60	0.99995	0.00040
21.00	0.99167	0.00034	18.00	1.00280	0.00036	13.80	1.00277	0.00041
21.25	0.99308	0.00033	18.25	1.00475	0.00034	14.00	1.00609	0.00039
21.50	0.99419	0.00032	18.50	1.00632	0.00034			
21.75	0.99559	0.00033						
22.00	0.99745	0.00032						
22.25	0.99803	0.00032						
22.50	0.99995	0.00033						
22.75	1.00102	0.00032						
23.00	1.00293	0.00032						
23.25	1.00335	0.00034						
23.50	1.00403	0.00033						
23.75	1.00485	0.00032						
24.00	1.00675	0.00032						

1500			1700			1900		
9.00	0.93195	0.00046	8.50	0.93216	0.00049	8.20	0.93403	0.00049
9.10	0.93615	0.00046	8.60	0.93678	0.00046	8.30	0.93793	0.00047
9.20	0.94028	0.00047	8.70	0.94076	0.00047	8.40	0.94203	0.00050
9.30	0.94384	0.00045	8.80	0.94484	0.00047	8.50	0.94639	0.00048
9.40	0.94656	0.00045	8.90	0.94846	0.00047	8.60	0.95137	0.00049
9.50	0.94967	0.00046	9.00	0.95173	0.00048	8.70	0.95494	0.00046
9.60	0.95436	0.00046	9.10	0.95666	0.00046	8.80	0.95872	0.00049
9.70	0.95664	0.00045	9.20	0.95941	0.00048	8.90	0.96293	0.00049
9.80	0.96032	0.00044	9.30	0.96370	0.00044	9.00	0.96569	0.00049
9.90	0.96321	0.00044	9.40	0.96697	0.00047	9.10	0.96955	0.00049
10.00	0.96695	0.00044	9.50	0.96900	0.00045	9.20	0.97327	0.00048
10.10	0.96872	0.00046	9.60	0.97379	0.00047	9.30	0.97835	0.00048
10.20	0.97180	0.00045	9.70	0.97608	0.00046	9.40	0.98055	0.00047
10.30	0.97492	0.00045	9.80	0.97942	0.00047	9.50	0.98428	0.00050
10.40	0.97750	0.00044	9.90	0.98235	0.00045	9.60	0.98761	0.00047
10.50	0.98000	0.00043	10.00	0.98607	0.00047	9.70	0.99003	0.00046
10.60	0.98415	0.00046	10.10	0.98914	0.00046	9.80	0.99393	0.00046
10.70	0.98644	0.00045	10.20	0.99180	0.00046	9.90	0.99745	0.00048
10.80	0.98891	0.00045	10.30	0.99560	0.00046	10.00	1.00060	0.00047
10.90	0.99124	0.00045	10.40	0.99819	0.00048	10.10	1.00420	0.00048
11.00	0.99367	0.00044	10.50	1.00129	0.00048	10.20	1.00764	0.00047

11.10	0.99639	0.00044	10.60	1.00404	0.00046
11.20	0.99897	0.00046	10.70	1.00664	0.00045
11.30	1.00132	0.00045	10.80	1.01009	0.00047
11.40	1.00391	0.00043			
11.50	1.00659	0.00045			
11.60	1.00779	0.00044			

2000			2100			2500		
8.00	0.93101	0.00049	8.00	0.93486	0.00048	7.80	0.93442	0.00051
8.10	0.93413	0.00048	8.10	0.93941	0.00050	7.90	0.94051	0.00052
8.20	0.93900	0.00049	8.20	0.94378	0.00049	8.00	0.94519	0.00052
8.30	0.94409	0.00051	8.30	0.94778	0.00049	8.10	0.94902	0.00051
8.40	0.94748	0.00048	8.40	0.95278	0.00047	8.20	0.95364	0.00051
8.50	0.95218	0.00047	8.50	0.95698	0.00048	8.30	0.95872	0.00051
8.60	0.95679	0.00048	8.60	0.96059	0.00047	8.40	0.96382	0.00050
8.70	0.96025	0.00048	8.70	0.96514	0.00047	8.50	0.96710	0.00052
8.80	0.96516	0.00049	8.80	0.96751	0.00050	8.60	0.97034	0.00050
8.90	0.96805	0.00049	8.90	0.97275	0.00048	8.70	0.97519	0.00052
9.00	0.97214	0.00048	9.00	0.97621	0.00049	8.80	0.97899	0.00051
9.10	0.97525	0.00050	9.10	0.98068	0.00050	8.90	0.98280	0.00051
9.20	0.97931	0.00048	9.20	0.98452	0.00049	9.00	0.98740	0.00050
9.30	0.98265	0.00050	9.30	0.98751	0.00049	9.10	0.99124	0.00051
9.40	0.98627	0.00047	9.40	0.99170	0.00049	9.20	0.99488	0.00053
9.50	0.99017	0.00049	9.50	0.99420	0.00047	9.30	0.99795	0.00052
9.60	0.99309	0.00049	9.60	0.99792	0.00050	9.40	1.00206	0.00049
9.70	0.99652	0.00050	9.70	1.00150	0.00049	9.50	1.00532	0.00050
9.80	0.99947	0.00050	9.80	1.00496	0.00049	9.60	1.00834	0.00050
9.90	1.00335	0.00046	9.90	1.00800	0.00051	9.70	1.01270	0.00051
10.00	1.00563	0.00048	10.00	1.01101	0.00051	9.80	1.01685	0.00050
10.10	1.00987	0.00048				9.90	1.01861	0.00051
10.20	1.01133	0.00049				10.00	1.02285	0.00047

3000			4000			5000		
7.60	0.92550	0.00052	8.00	0.92239	0.00055	9.40	0.93761	0.00052
7.70	0.93051	0.00053	8.10	0.92605	0.00053	9.50	0.94045	0.00055
7.80	0.93483	0.00053	8.20	0.93114	0.00054	9.60	0.94448	0.00052
7.90	0.94028	0.00054	8.30	0.93650	0.00053	9.70	0.94778	0.00053
8.00	0.94474	0.00051	8.40	0.94037	0.00053	9.80	0.95099	0.00052
8.10	0.94963	0.00051	8.50	0.94496	0.00053	9.90	0.95398	0.00053
8.20	0.95431	0.00053	8.60	0.94861	0.00053	10.00	0.95660	0.00053
8.30	0.95829	0.00052	8.70	0.95275	0.00053	10.10	0.96102	0.00054
8.40	0.96305	0.00053	8.80	0.95773	0.00055	10.20	0.96358	0.00053
8.50	0.96634	0.00054	8.90	0.96047	0.00055	10.30	0.96630	0.00051
8.60	0.97172	0.00053	9.00	0.96419	0.00053	10.40	0.96965	0.00053
8.70	0.97556	0.00053	9.10	0.96942	0.00053	10.50	0.97331	0.00053
8.80	0.97968	0.00051	9.20	0.97278	0.00053	10.60	0.97593	0.00052
8.90	0.98371	0.00052	9.30	0.97615	0.00055	10.70	0.97897	0.00053
9.00	0.98882	0.00053	9.40	0.98022	0.00054	10.80	0.98113	0.00053
9.10	0.99159	0.00052	9.50	0.98218	0.00051	10.90	0.98459	0.00053
9.20	0.99676	0.00052	9.60	0.98714	0.00054	11.00	0.98639	0.00052
9.30	0.99961	0.00051	9.70	0.99109	0.00052	11.10	0.99040	0.00052
9.40	1.00224	0.00052	9.80	0.99422	0.00055	11.20	0.99193	0.00051
9.50	1.00693	0.00051	9.90	0.99690	0.00052	11.30	0.99575	0.00053
9.60	1.00885	0.00052	10.00	0.99963	0.00053	11.40	0.99729	0.00052
9.70	1.01331	0.00049	10.10	1.00415	0.00054	11.50	1.00093	0.00054
9.80	1.01725	0.00052	10.20	1.00651	0.00054	11.60	1.00293	0.00052
9.90	1.01979	0.00052	10.30	1.01098	0.00052	11.70	1.00579	0.00053
10.00	1.02390	0.00050	10.40	1.01309	0.00053	11.80	1.00875	0.00053

6000			7000			7500		
11.20	0.93455	0.00051	15.00	0.93828	0.00050	18.00	0.93375	0.00049
11.30	0.93769	0.00052	15.25	0.94150	0.00050	18.50	0.93805	0.00049
11.40	0.93957	0.00050	15.50	0.94569	0.00049	19.00	0.94322	0.00047
11.50	0.94149	0.00049	15.75	0.94909	0.00049	19.50	0.94743	0.00049
11.60	0.94535	0.00051	16.00	0.95284	0.00050	20.00	0.95190	0.00048
11.70	0.94676	0.00052	16.25	0.95508	0.00050	20.50	0.95527	0.00046
11.80	0.94914	0.00052	16.50	0.95853	0.00049	21.00	0.95865	0.00048
11.90	0.95229	0.00052	16.75	0.96115	0.00048	21.50	0.96260	0.00045
12.00	0.95403	0.00051	17.00	0.96385	0.00049	22.00	0.96589	0.00047
12.10	0.95606	0.00053	17.25	0.96608	0.00049	22.50	0.96882	0.00048
12.20	0.95941	0.00051	17.50	0.96937	0.00050	23.00	0.97147	0.00046
12.30	0.96140	0.00052	17.75	0.97296	0.00048	23.50	0.97409	0.00045
12.40	0.96249	0.00054	18.00	0.97541	0.00048	24.00	0.97727	0.00046
12.50	0.96565	0.00051	18.25	0.97820	0.00050	24.50	0.97969	0.00047
12.60	0.96839	0.00049	18.50	0.97965	0.00049	25.00	0.98290	0.00046
12.70	0.96934	0.00050	18.75	0.98163	0.00049	25.50	0.98534	0.00046
12.80	0.97188	0.00050	19.00	0.98475	0.00049	26.00	0.98617	0.00047
12.90	0.97400	0.00050	19.25	0.98758	0.00049	26.50	0.98966	0.00046
13.00	0.97547	0.00049	19.50	0.98943	0.00048	27.00	0.99163	0.00045
13.10	0.97741	0.00051	19.75	0.99136	0.00049	27.50	0.99421	0.00048
13.20	0.97991	0.00050	20.00	0.99457	0.00048	28.00	0.99490	0.00045
13.30	0.98152	0.00050	20.25	0.99487	0.00049	28.50	0.99659	0.00045
13.40	0.98419	0.00048	20.50	0.99736	0.00047	29.00	0.99869	0.00046
13.50	0.98621	0.00052	20.75	0.99865	0.00049	29.50	1.00094	0.00046
13.60	0.98631	0.00051	21.00	1.00073	0.00048	30.00	1.00170	0.00046
13.70	0.98975	0.00051	21.25	1.00227	0.00048	30.50	1.00259	0.00046
13.80	0.99020	0.00050	21.50	1.00427	0.00048	31.00	1.00491	0.00047
13.90	0.99237	0.00052	21.75	1.00660	0.00048			
14.00	0.99281	0.00050	22.00	1.00800	0.00048			
14.10	0.99581	0.00052						
14.20	0.99788	0.00050						
14.30	0.99993	0.00050						
14.40	1.00075	0.00051						
14.50	1.00282	0.00050						
14.60	1.00383	0.00051						

8000			9000			10000		
24.00	0.93126	0.00047	999.98	0.90409	0.00040	999.98	0.77851	0.00033
26.00	0.94083	0.00046	999.99	0.90409	0.00040	999.99	0.77851	0.00033
28.00	0.94836	0.00043						
30.00	0.95558	0.00045						
32.00	0.96161	0.00045						
34.00	0.96573	0.00047						
36.00	0.97043	0.00044						
38.00	0.97403	0.00043						
40.00	0.97754	0.00043						
42.00	0.97986	0.00045						
44.00	0.98118	0.00046						
46.00	0.98370	0.00044						
48.00	0.98569	0.00043						
50.00	0.98861	0.00043						
52.00	0.98991	0.00043						
54.00	0.99133	0.00042						
56.00	0.99218	0.00044						
58.00	0.99416	0.00042						
60.00	0.99468	0.00043						
62.00	0.99560	0.00045						

```
 64.00 0.99660 0.00042
 66.00 0.99724 0.00043
 68.00 0.99795 0.00043
 70.00 0.99850 0.00042
 72.00 0.99901 0.00042
 74.00 0.99932 0.00044
 76.00 1.00050 0.00044
 78.00 1.00134 0.00042
```

```
         15000                     18900
999.98 0.61469 0.00027   999.98 0.61413 0.00024
999.99 0.61469 0.00027   999.99 0.61413 0.00024
```

```
sumtable.u5o2-pl-0025-10
            20                        25                        30
999.98 0.06762 0.00002   999.98 0.08368 0.00002   999.98 0.09930 0.00003
999.99 0.06762 0.00002   999.99 0.08368 0.00002   999.99 0.09930 0.00003

            40                        45                        50
999.98 0.12965 0.00003   999.98 0.14441 0.00004   999.98 0.15893 0.00004
999.99 0.12965 0.00003   999.99 0.14441 0.00004   999.99 0.15893 0.00004

            55                        60                        65
999.98 0.17296 0.00004   999.98 0.18700 0.00005   999.98 0.20055 0.00005
999.99 0.17296 0.00004   999.99 0.18700 0.00005   999.99 0.20055 0.00005

            70                        80                       100
999.98 0.21391 0.00005   999.98 0.24010 0.00006   999.98 0.28944 0.00007
999.99 0.21391 0.00005   999.99 0.24010 0.00006   999.99 0.28944 0.00007

           130                       150                       170
999.98 0.35718 0.00009   999.98 0.39886 0.00010   999.98 0.43800 0.00011
999.99 0.35718 0.00009   999.99 0.39886 0.00010   999.99 0.43800 0.00011

           200                       350                       400
999.98 0.49202 0.00011   999.98 0.70253 0.00016   999.98 0.75636 0.00017
999.99 0.49202 0.00011   999.99 0.70253 0.00016   999.99 0.75636 0.00017

           500                       650                       800
999.98 0.84661 0.00020   999.98 0.94978 0.00023    16.00 0.92761 0.00031
999.99 0.84661 0.00020   999.99 0.94978 0.00023    17.00 0.93612 0.00032
                                                   18.00 0.94302 0.00031
                                                   19.00 0.94890 0.00031
                                                   20.00 0.95494 0.00031
                                                   21.00 0.96022 0.00031
                                                   22.00 0.96423 0.00030
                                                   23.00 0.96869 0.00030
                                                   24.00 0.97325 0.00029
                                                   25.00 0.97616 0.00029
                                                   26.00 0.97870 0.00028
                                                   27.00 0.98180 0.00028
                                                   28.00 0.98465 0.00029
                                                   29.00 0.98714 0.00029
```

30.00	0.98865	0.00028
31.00	0.99115	0.00028
32.00	0.99278	0.00029
33.00	0.99452	0.00027
34.00	0.99584	0.00027
35.00	0.99830	0.00028
36.00	0.99919	0.00028
37.00	0.99984	0.00027
38.00	1.00175	0.00027
39.00	1.00238	0.00027
40.00	1.00368	0.00026

900

12.00	0.91606	0.00035
12.50	0.92382	0.00035
13.00	0.93139	0.00036
13.50	0.93764	0.00035
14.00	0.94413	0.00033
14.50	0.94961	0.00034
15.00	0.95551	0.00034
15.50	0.96004	0.00034
16.00	0.96516	0.00034
16.50	0.96969	0.00034
17.00	0.97414	0.00032
17.50	0.97768	0.00031
18.00	0.98143	0.00033
18.50	0.98446	0.00031
19.00	0.98766	0.00032
19.50	0.99033	0.00032
20.00	0.99274	0.00031
20.50	0.99606	0.00032
21.00	0.99875	0.00032
21.50	1.00156	0.00032
22.00	1.00386	0.00032

1000

10.40	0.91729	0.00036
10.60	0.92226	0.00036
10.80	0.92508	0.00038
11.00	0.92923	0.00038
11.20	0.93318	0.00036
11.40	0.93724	0.00037
11.60	0.94087	0.00037
11.80	0.94412	0.00036
12.00	0.94725	0.00036
12.20	0.95007	0.00036
12.40	0.95330	0.00036
12.60	0.95733	0.00036
12.80	0.96010	0.00036
13.00	0.96227	0.00038
13.20	0.96498	0.00035
13.40	0.96808	0.00036
13.60	0.97033	0.00036
13.80	0.97327	0.00035
14.00	0.97513	0.00035
14.20	0.97750	0.00036
14.40	0.98011	0.00034
14.60	0.98278	0.00035
14.80	0.98432	0.00035
15.00	0.98715	0.00034
15.20	0.98901	0.00036
15.40	0.99037	0.00034
15.60	0.99283	0.00033
15.80	0.99513	0.00035
16.00	0.99659	0.00034
16.20	0.99840	0.00035
16.40	1.00045	0.00034
16.60	1.00244	0.00034
16.80	1.00394	0.00034

1200

9.00	0.92931	0.00040
9.05	0.93137	0.00041
9.10	0.93288	0.00039
9.15	0.93397	0.00041
9.20	0.93543	0.00040
9.25	0.93750	0.00040
9.30	0.93819	0.00038
9.35	0.94067	0.00039
9.40	0.94118	0.00039
9.45	0.94222	0.00041
9.50	0.94332	0.00039
9.55	0.94507	0.00040
9.60	0.94571	0.00041
9.65	0.94805	0.00038
9.70	0.94895	0.00041
9.75	0.94901	0.00039
9.80	0.95082	0.00040
9.85	0.95152	0.00040
9.90	0.95358	0.00040
9.95	0.95413	0.00041
10.00	0.95641	0.00040
10.05	0.95610	0.00041
10.10	0.95865	0.00039
10.15	0.95949	0.00040
10.20	0.96022	0.00041
10.25	0.96183	0.00040
10.30	0.96255	0.00039
10.35	0.96419	0.00040
10.40	0.96482	0.00039
10.45	0.96597	0.00040
10.50	0.96682	0.00039
10.55	0.96811	0.00039
10.60	0.96923	0.00040
10.65	0.97049	0.00040
10.70	0.97130	0.00039
10.75	0.97325	0.00039
10.80	0.97381	0.00039
10.85	0.97416	0.00040
10.90	0.97554	0.00040
10.95	0.97653	0.00040
11.00	0.97771	0.00040
11.05	0.97831	0.00041
11.10	0.97891	0.00039
11.15	0.97986	0.00039
11.20	0.98092	0.00039

11.25	0.98162	0.00038
11.30	0.98307	0.00038
11.35	0.98422	0.00038
11.40	0.98482	0.00038
11.45	0.98601	0.00038
11.50	0.98680	0.00039
11.55	0.98745	0.00039
11.60	0.98812	0.00038
11.65	0.98931	0.00038
11.70	0.99052	0.00040
11.75	0.99069	0.00039
11.80	0.99174	0.00040
11.85	0.99293	0.00038
11.90	0.99438	0.00038
11.95	0.99454	0.00040
12.00	0.99607	0.00039
12.05	0.99663	0.00039
12.10	0.99801	0.00039
12.15	0.99789	0.00039
12.20	0.99856	0.00039
12.25	0.99973	0.00037
12.30	1.00063	0.00038
12.35	1.00135	0.00039
12.40	1.00248	0.00039
12.45	1.00259	0.00041
12.50	1.00413	0.00037

1500

7.50	0.92839	0.00044
7.60	0.93117	0.00042
7.70	0.93645	0.00045
7.80	0.94005	0.00045
7.90	0.94374	0.00044
8.00	0.94669	0.00041
8.10	0.94875	0.00043
8.20	0.95301	0.00042
8.30	0.95665	0.00043
8.40	0.95954	0.00045
8.50	0.96226	0.00044
8.60	0.96584	0.00044
8.70	0.96907	0.00044
8.80	0.97114	0.00041
8.90	0.97501	0.00042
9.00	0.97868	0.00044
9.10	0.98038	0.00042
9.20	0.98305	0.00042
9.30	0.98613	0.00044
9.40	0.98884	0.00041
9.50	0.99205	0.00042
9.60	0.99392	0.00043
9.70	0.99607	0.00042
9.80	0.99918	0.00043
9.90	1.00163	0.00041
10.00	1.00343	0.00043

1700

7.20	0.93738	0.00044
7.30	0.94180	0.00045
7.40	0.94531	0.00044
7.50	0.94908	0.00044
7.60	0.95381	0.00045
7.70	0.95764	0.00045
7.80	0.96064	0.00044
7.90	0.96382	0.00045
8.00	0.96717	0.00043
8.10	0.97154	0.00045
8.20	0.97364	0.00045
8.30	0.97815	0.00043
8.40	0.98030	0.00045
8.50	0.98395	0.00043
8.60	0.98796	0.00045
8.70	0.99079	0.00044
8.80	0.99350	0.00043
8.90	0.99602	0.00044
9.00	0.99990	0.00045
9.10	1.00242	0.00045
9.20	1.00537	0.00044

1900

6.60	0.92814	0.00047
6.70	0.93313	0.00045
6.80	0.93686	0.00047
6.90	0.94103	0.00047
7.00	0.94525	0.00047
7.10	0.94913	0.00046
7.20	0.95388	0.00046
7.30	0.95798	0.00045
7.40	0.96210	0.00044
7.50	0.96550	0.00045
7.60	0.96958	0.00044
7.70	0.97301	0.00045
7.80	0.97696	0.00046
7.90	0.98031	0.00046
8.00	0.98306	0.00046
8.10	0.98657	0.00045
8.20	0.99023	0.00048
8.30	0.99410	0.00045
8.40	0.99680	0.00047
8.50	0.99979	0.00045
8.60	1.00324	0.00044
8.70	1.00658	0.00045
8.80	1.01015	0.00045
8.90	1.01253	0.00045
9.00	1.01628	0.00045

2000			2100			2500		
6.60	0.93401	0.00046	6.40	0.93003	0.00049	6.00	0.92520	0.00046
6.70	0.93934	0.00046	6.50	0.93528	0.00046	6.10	0.92963	0.00045
6.80	0.94350	0.00047	6.60	0.94030	0.00046	6.20	0.93372	0.00049
6.90	0.94703	0.00047	6.70	0.94374	0.00048	6.30	0.94008	0.00048
7.00	0.95074	0.00047	6.80	0.94807	0.00048	6.40	0.94479	0.00049
7.10	0.95575	0.00045	6.90	0.95335	0.00047	6.50	0.94893	0.00048
7.20	0.95987	0.00046	7.00	0.95709	0.00046	6.60	0.95379	0.00047
7.30	0.96364	0.00047	7.10	0.96138	0.00047	6.70	0.95829	0.00047
7.40	0.96832	0.00045	7.20	0.96588	0.00047	6.80	0.96247	0.00047
7.50	0.97188	0.00046	7.30	0.96941	0.00046	6.90	0.96744	0.00047
7.60	0.97569	0.00046	7.40	0.97336	0.00047	7.00	0.97135	0.00047
7.70	0.97996	0.00045	7.50	0.97698	0.00044	7.10	0.97517	0.00047
7.80	0.98391	0.00045	7.60	0.98136	0.00045	7.20	0.97936	0.00048
7.90	0.98568	0.00045	7.70	0.98459	0.00048	7.30	0.98442	0.00048
8.00	0.99054	0.00047	7.80	0.98795	0.00047	7.40	0.98731	0.00048
8.10	0.99361	0.00045	7.90	0.99225	0.00047	7.50	0.99140	0.00048
8.20	0.99766	0.00047	8.00	0.99521	0.00044	7.60	0.99489	0.00047
8.30	1.00039	0.00045	8.10	0.99939	0.00048	7.70	0.99932	0.00048
8.40	1.00383	0.00046	8.20	1.00269	0.00046	7.80	1.00229	0.00048
8.50	1.00818	0.00046	8.30	1.00553	0.00046	7.90	1.00545	0.00048
8.60	1.01006	0.00045	8.40	1.00943	0.00045	8.00	1.00897	0.00048

3000			4000			5000		
6.00	0.93149	0.00050	6.40	0.93888	0.00049	7.20	0.93943	0.00052
6.10	0.93586	0.00049	6.50	0.94200	0.00051	7.30	0.94379	0.00050
6.20	0.94157	0.00050	6.60	0.94768	0.00049	7.40	0.94638	0.00052
6.30	0.94518	0.00048	6.70	0.95171	0.00049	7.50	0.95024	0.00050
6.40	0.95006	0.00050	6.80	0.95599	0.00050	7.60	0.95450	0.00049
6.50	0.95434	0.00049	6.90	0.95972	0.00051	7.70	0.95568	0.00052
6.60	0.95931	0.00050	7.00	0.96406	0.00050	7.80	0.95919	0.00051
6.70	0.96315	0.00049	7.10	0.96645	0.00049	7.90	0.96282	0.00049
6.80	0.96815	0.00050	7.20	0.97136	0.00050	8.00	0.96627	0.00049
6.90	0.97196	0.00049	7.30	0.97602	0.00052	8.10	0.96981	0.00049
7.00	0.97683	0.00050	7.40	0.97851	0.00050	8.20	0.97160	0.00049
7.10	0.98061	0.00050	7.50	0.98217	0.00050	8.30	0.97461	0.00052
7.20	0.98500	0.00049	7.60	0.98642	0.00053	8.40	0.97815	0.00050
7.30	0.98899	0.00050	7.70	0.98967	0.00048	8.50	0.98168	0.00049
7.40	0.99298	0.00048	7.80	0.99427	0.00050	8.60	0.98393	0.00052
7.50	0.99596	0.00049	7.90	0.99608	0.00049	8.70	0.98686	0.00049
7.60	0.99984	0.00048	8.00	1.00018	0.00049	8.80	0.98919	0.00051
7.70	1.00387	0.00049	8.10	1.00353	0.00049	8.90	0.99169	0.00049
7.80	1.00691	0.00047	8.20	1.00638	0.00050	9.00	0.99449	0.00048
7.90	1.01045	0.00049				9.10	0.99692	0.00051
8.00	1.01439	0.00048				9.20	1.00026	0.00048
						9.30	1.00298	0.00050
						9.40	1.00508	0.00051

6000			7000			7500		
8.40	0.93101	0.00050	11.40	0.93333	0.00046	14.00	0.93016	0.00048
8.60	0.93706	0.00048	11.60	0.93714	0.00046	14.50	0.93614	0.00047
8.80	0.94188	0.00048	11.80	0.93982	0.00047	15.00	0.94073	0.00047
9.00	0.94674	0.00049	12.00	0.94140	0.00048	15.50	0.94449	0.00047
9.20	0.95190	0.00050	12.20	0.94538	0.00049	16.00	0.94868	0.00047
9.40	0.95634	0.00049	12.40	0.94821	0.00047	16.50	0.95232	0.00047
9.60	0.96171	0.00050	12.60	0.95072	0.00047	17.00	0.95622	0.00047
9.80	0.96526	0.00051	12.80	0.95226	0.00046	17.50	0.96045	0.00046
10.00	0.96939	0.00049	13.00	0.95547	0.00047	18.00	0.96369	0.00046
10.20	0.97348	0.00048	13.20	0.95922	0.00048	18.50	0.96740	0.00047
10.40	0.97700	0.00050	13.40	0.96043	0.00046	19.00	0.96892	0.00047
10.60	0.98076	0.00049	13.60	0.96363	0.00048	19.50	0.97291	0.00047
10.80	0.98438	0.00050	13.80	0.96508	0.00049	20.00	0.97593	0.00047
11.00	0.98895	0.00049	14.00	0.96768	0.00046	20.50	0.97848	0.00045
11.20	0.99235	0.00049	14.20	0.96905	0.00047	21.00	0.98138	0.00047
11.40	0.99577	0.00052	14.40	0.97128	0.00048	21.50	0.98310	0.00044
11.60	0.99853	0.00048	14.60	0.97454	0.00047	22.00	0.98534	0.00046
11.80	1.00244	0.00048	14.80	0.97653	0.00049	22.50	0.98735	0.00043
12.00	1.00494	0.00049	15.00	0.97779	0.00046	23.00	0.99044	0.00046
			15.20	0.97854	0.00047	23.50	0.99210	0.00047
			15.40	0.98089	0.00048	24.00	0.99464	0.00045
			15.60	0.98347	0.00048	24.50	0.99605	0.00047
			15.80	0.98539	0.00047	25.00	0.99712	0.00045
			16.00	0.98774	0.00047	25.50	0.99997	0.00046
			16.20	0.98839	0.00047	26.00	1.00090	0.00045
			16.40	0.99038	0.00046	26.50	1.00258	0.00044
			16.60	0.99179	0.00048	27.00	1.00466	0.00044
			16.80	0.99396	0.00045			
			17.00	0.99574	0.00047			
			17.20	0.99659	0.00048			
			17.40	0.99817	0.00049			
			17.60	0.99981	0.00046			
			17.80	1.00177	0.00048			
			18.00	1.00201	0.00047			
			18.20	1.00394	0.00047			
			18.40	1.00618	0.00047			

8000			9000			10000		
20.00	0.93238	0.00045	999.98	0.90409	0.00040	999.98	0.77851	0.00033
22.00	0.94153	0.00044	999.99	0.90409	0.00040	999.99	0.77851	0.00033
24.00	0.95041	0.00046						
26.00	0.95678	0.00044						
28.00	0.96158	0.00044						
30.00	0.96657	0.00044						
32.00	0.97015	0.00043						
34.00	0.97441	0.00044						
36.00	0.97675	0.00046						
38.00	0.98003	0.00045						
40.00	0.98257	0.00043						
42.00	0.98455	0.00044						
44.00	0.98684	0.00043						
46.00	0.98814	0.00042						
48.00	0.99011	0.00044						
50.00	0.99112	0.00044						
52.00	0.99186	0.00045						
54.00	0.99340	0.00044						
56.00	0.99582	0.00044						

```
 58.00 0.99540 0.00044
 60.00 0.99639 0.00042
 62.00 0.99770 0.00042
 64.00 0.99818 0.00043
 66.00 0.99852 0.00043
 68.00 0.99928 0.00043
 70.00 1.00045 0.00042
 72.00 0.99901 0.00044
 74.00 1.00065 0.00044
```

```
         15000                     18900
999.98 0.61469 0.00027   999.98 0.61413 0.00024
999.99 0.61469 0.00027   999.99 0.61413 0.00024
```

```
sumtable.u5o2-pl-0030-00
            20                        25                        30
999.98 0.08045 0.00002   999.98 0.09936 0.00002   999.98 0.11783 0.00003
999.99 0.08045 0.00002   999.99 0.09936 0.00002   999.99 0.11783 0.00003

            40                        45                        50
999.98 0.15357 0.00004   999.98 0.17069 0.00004   999.98 0.18766 0.00005
999.99 0.15357 0.00004   999.99 0.17069 0.00004   999.99 0.18766 0.00005

            55                        60                        65
999.98 0.20401 0.00005   999.98 0.22016 0.00006   999.98 0.23579 0.00006
999.99 0.20401 0.00005   999.99 0.22016 0.00006   999.99 0.23579 0.00006

            70                        80                       100
999.98 0.25131 0.00006   999.98 0.28120 0.00007   999.98 0.33739 0.00008
999.99 0.25131 0.00006   999.99 0.28120 0.00007   999.99 0.33739 0.00008

           130                       150                       170
999.98 0.41369 0.00010   999.98 0.46008 0.00011   999.98 0.50299 0.00012
999.99 0.41369 0.00010   999.99 0.46008 0.00011   999.99 0.50299 0.00012

           200                       350                       400
999.98 0.56214 0.00013   999.98 0.78607 0.00017   999.98 0.84143 0.00018
999.99 0.56214 0.00013   999.99 0.78607 0.00017   999.99 0.84143 0.00018

           500                       650                       800
999.98 0.93283 0.00022    18.00 0.92809 0.00033    14.00 0.93947 0.00037
999.99 0.93283 0.00022    18.50 0.93340 0.00032    14.20 0.94395 0.00038
                          19.00 0.93718 0.00032    14.40 0.94739 0.00039
                          19.50 0.94188 0.00032    14.60 0.95057 0.00038
                          20.00 0.94535 0.00033    14.80 0.95329 0.00038
                          20.50 0.94950 0.00033    15.00 0.95656 0.00037
                          21.00 0.95314 0.00031    15.20 0.96050 0.00039
                          21.50 0.95644 0.00033    15.40 0.96326 0.00036
                          22.00 0.95982 0.00032    15.60 0.96695 0.00037
                          22.50 0.96221 0.00031    15.80 0.96946 0.00038
                          23.00 0.96454 0.00030    16.00 0.97246 0.00037
                          23.50 0.96726 0.00030    16.20 0.97476 0.00037
                          24.00 0.96930 0.00030    16.40 0.97721 0.00037
```

24.50	0.97216	0.00032
25.00	0.97430	0.00030
25.50	0.97681	0.00030
26.00	0.97858	0.00029
26.50	0.97983	0.00030
27.00	0.98249	0.00030
27.50	0.98338	0.00030
28.00	0.98564	0.00029
28.50	0.98635	0.00029
29.00	0.98834	0.00031
29.50	0.99026	0.00029
30.00	0.99128	0.00029
30.50	0.99243	0.00030
31.00	0.99430	0.00029
31.50	0.99472	0.00029
32.00	0.99664	0.00028
32.50	0.99715	0.00029
33.00	0.99815	0.00029
33.50	0.99911	0.00029
34.00	0.99999	0.00028
34.50	1.00134	0.00028
35.00	1.00194	0.00027

16.60	0.97941	0.00037
16.80	0.98245	0.00036
17.00	0.98476	0.00036
17.20	0.98678	0.00036
17.40	0.98947	0.00035
17.60	0.99257	0.00036
17.80	0.99360	0.00037
18.00	0.99550	0.00037
18.20	0.99791	0.00037
18.40	0.99997	0.00036
18.60	1.00151	0.00036
18.80	1.00394	0.00037
19.00	1.00561	0.00035

900		
12.00	0.92716	0.00041
12.20	0.93275	0.00040
12.40	0.93729	0.00041
12.60	0.94314	0.00042
12.80	0.94742	0.00043
13.00	0.95197	0.00042
13.20	0.95685	0.00041
13.40	0.96054	0.00041
13.60	0.96529	0.00038
13.80	0.96887	0.00039
14.00	0.97389	0.00039
14.20	0.97724	0.00040
14.40	0.98057	0.00040
14.60	0.98481	0.00040
14.80	0.98787	0.00040
15.00	0.99134	0.00040
15.20	0.99412	0.00038
15.40	0.99631	0.00039
15.60	1.00042	0.00038
15.80	1.00341	0.00038
16.00	1.00628	0.00040

1000		
11.20	0.92978	0.00044
11.30	0.93366	0.00043
11.40	0.93676	0.00043
11.50	0.93961	0.00043
11.60	0.94324	0.00043
11.70	0.94479	0.00043
11.80	0.94875	0.00044
11.90	0.95077	0.00043
12.00	0.95418	0.00042
12.10	0.95713	0.00044
12.20	0.95910	0.00044
12.30	0.96221	0.00043
12.40	0.96399	0.00041
12.50	0.96758	0.00040
12.60	0.96992	0.00044
12.70	0.97218	0.00042
12.80	0.97514	0.00045
12.90	0.97726	0.00042
13.00	0.97927	0.00041
13.10	0.98126	0.00042
13.20	0.98460	0.00042
13.30	0.98655	0.00042
13.40	0.98887	0.00043
13.50	0.99041	0.00042
13.60	0.99304	0.00044
13.70	0.99508	0.00042
13.80	0.99729	0.00043
13.90	0.99991	0.00041
14.00	1.00181	0.00040
14.10	1.00359	0.00040
14.20	1.00468	0.00042

1200		
10.00	0.92649	0.00048
10.10	0.92988	0.00046
10.20	0.93412	0.00047
10.30	0.93745	0.00048
10.40	0.94154	0.00046
10.50	0.94516	0.00048
10.60	0.94863	0.00047
10.70	0.95289	0.00047
10.80	0.95584	0.00046
10.90	0.96000	0.00047
11.00	0.96376	0.00046
11.10	0.96719	0.00044
11.20	0.97098	0.00046
11.30	0.97364	0.00045
11.40	0.97717	0.00047
11.50	0.98139	0.00047
11.60	0.98364	0.00046
11.70	0.98638	0.00047
11.80	0.98851	0.00046
11.90	0.99292	0.00044
12.00	0.99512	0.00046
12.10	0.99748	0.00044
12.20	1.00110	0.00044

1500			1700			1900		
9.40	0.93568	0.00050	9.00	0.93169	0.00051	8.70	0.92432	0.00054
9.50	0.94034	0.00050	9.10	0.93617	0.00051	8.80	0.92971	0.00053
9.60	0.94521	0.00049	9.20	0.94028	0.00051	8.90	0.93483	0.00053
9.70	0.94973	0.00052	9.30	0.94604	0.00051	9.00	0.93991	0.00055
9.80	0.95534	0.00049	9.40	0.95112	0.00051	9.10	0.94541	0.00054
9.90	0.95779	0.00051	9.50	0.95482	0.00052	9.20	0.95213	0.00052
10.00	0.96318	0.00050	9.60	0.96142	0.00053	9.30	0.95663	0.00052
10.10	0.96771	0.00048	9.70	0.96550	0.00052	9.40	0.96098	0.00053
10.20	0.97196	0.00049	9.80	0.97009	0.00050	9.50	0.96585	0.00053
10.30	0.97593	0.00049	9.90	0.97478	0.00052	9.60	0.97054	0.00051
10.40	0.98031	0.00049	10.00	0.97971	0.00051	9.70	0.97527	0.00052
10.50	0.98337	0.00048	10.10	0.98307	0.00050	9.80	0.98027	0.00051
10.60	0.98769	0.00051	10.20	0.98882	0.00051	9.90	0.98527	0.00052
10.70	0.99168	0.00049	10.30	0.99080	0.00051	10.00	0.98966	0.00054
10.80	0.99518	0.00049	10.40	0.99629	0.00052	10.10	0.99390	0.00051
10.90	0.99866	0.00047	10.50	0.99910	0.00051	10.20	0.99983	0.00051
11.00	1.00184	0.00047	10.60	1.00324	0.00050	10.30	1.00244	0.00052
11.10	1.00590	0.00047	10.70	1.00677	0.00049	10.40	1.00750	0.00050
11.20	1.00930	0.00048	10.80	1.01258	0.00051	10.50	1.01095	0.00053
11.30	1.01258	0.00049	10.90	1.01592	0.00050			
11.40	1.01614	0.00048	11.00	1.01938	0.00051			

2000			2100			2500		
8.60	0.92085	0.00052	8.60	0.92384	0.00053	8.50	0.92179	0.00055
8.70	0.92748	0.00053	8.70	0.92912	0.00053	8.60	0.92691	0.00055
8.80	0.93316	0.00055	8.80	0.93471	0.00056	8.70	0.93299	0.00056
8.90	0.93845	0.00053	8.90	0.94114	0.00053	8.80	0.93906	0.00056
9.00	0.94448	0.00055	9.00	0.94708	0.00055	8.90	0.94529	0.00056
9.10	0.94963	0.00053	9.10	0.95234	0.00054	9.00	0.95177	0.00055
9.20	0.95525	0.00052	9.20	0.95685	0.00054	9.10	0.95676	0.00055
9.30	0.96083	0.00052	9.30	0.96333	0.00054	9.20	0.96158	0.00053
9.40	0.96545	0.00055	9.40	0.96789	0.00055	9.30	0.96753	0.00054
9.50	0.97086	0.00052	9.50	0.97226	0.00052	9.40	0.97239	0.00053
9.60	0.97476	0.00053	9.60	0.97793	0.00054	9.50	0.97850	0.00054
9.70	0.97917	0.00054	9.70	0.98298	0.00053	9.60	0.98150	0.00054
9.80	0.98452	0.00051	9.80	0.98731	0.00052	9.70	0.98722	0.00054
9.90	0.99003	0.00053	9.90	0.99220	0.00056	9.80	0.99320	0.00052
10.00	0.99385	0.00054	10.00	0.99741	0.00052	9.90	0.99621	0.00057
10.10	0.99829	0.00052	10.10	1.00043	0.00054	10.00	1.00119	0.00056
10.20	1.00296	0.00050	10.20	1.00542	0.00052	10.10	1.00598	0.00053
10.30	1.00748	0.00052	10.30	1.01042	0.00054	10.20	1.01085	0.00053
10.40	1.01062	0.00053	10.40	1.01431	0.00054	10.30	1.01538	0.00056
10.50	1.01553	0.00053	10.50	1.01787	0.00053	10.40	1.01942	0.00054
						10.50	1.02415	0.00052

3000			4000			5000		
8.60	0.92191	0.00056	9.50	0.93904	0.00058	10.50	0.93478	0.00055
8.70	0.92721	0.00055	9.55	0.94137	0.00056	10.60	0.93889	0.00055
8.80	0.93371	0.00054	9.60	0.94390	0.00058	10.70	0.94306	0.00054
8.90	0.93949	0.00055	9.65	0.94624	0.00054	10.80	0.94630	0.00056
9.00	0.94597	0.00054	9.70	0.94835	0.00056	10.90	0.95117	0.00056
9.10	0.95114	0.00057	9.75	0.95172	0.00057	11.00	0.95568	0.00055
9.20	0.95650	0.00055	9.80	0.95384	0.00056	11.10	0.95888	0.00058
9.30	0.96196	0.00054	9.85	0.95703	0.00058	11.20	0.96275	0.00053
9.40	0.96567	0.00056	9.90	0.95828	0.00056	11.30	0.96596	0.00053
9.50	0.97158	0.00055	9.95	0.96075	0.00055	11.40	0.96880	0.00056
9.60	0.97769	0.00055	10.00	0.96427	0.00057	11.50	0.97288	0.00057
9.70	0.98201	0.00056	10.05	0.96561	0.00053	11.60	0.97693	0.00055
9.80	0.98769	0.00057	10.10	0.96820	0.00054	11.70	0.98048	0.00055
9.90	0.99141	0.00054	10.15	0.96999	0.00056	11.80	0.98438	0.00052
10.00	0.99586	0.00055	10.20	0.97195	0.00057	11.90	0.98748	0.00053
10.10	1.00085	0.00057	10.25	0.97470	0.00055	12.00	0.99019	0.00055
10.20	1.00380	0.00055	10.30	0.97609	0.00056	12.10	0.99367	0.00055
10.30	1.00958	0.00056	10.35	0.97880	0.00057	12.20	0.99673	0.00054
10.40	1.01433	0.00056	10.40	0.98257	0.00057	12.30	1.00053	0.00054
10.50	1.01829	0.00053	10.45	0.98378	0.00056	12.40	1.00399	0.00054
			10.50	0.98508	0.00056	12.50	1.00680	0.00054
			10.55	0.98772	0.00055			
			10.60	0.99006	0.00056			
			10.65	0.99178	0.00055			
			10.70	0.99363	0.00057			
			10.75	0.99563	0.00057			
			10.80	0.99931	0.00055			
			10.85	0.99955	0.00055			
			10.90	1.00354	0.00057			
			10.95	1.00311	0.00058			
			11.00	1.00633	0.00056			

6000			7000			7500		
12.20	0.93230	0.00052	15.00	0.92742	0.00050	18.00	0.93618	0.00047
12.30	0.93541	0.00055	15.20	0.93301	0.00052	18.25	0.93966	0.00048
12.40	0.93839	0.00053	15.40	0.93721	0.00049	18.50	0.94280	0.00049
12.50	0.94231	0.00051	15.60	0.93987	0.00050	18.75	0.94646	0.00050
12.60	0.94433	0.00055	15.80	0.94440	0.00048	19.00	0.94819	0.00050
12.70	0.94826	0.00053	16.00	0.94747	0.00049	19.25	0.95035	0.00049
12.80	0.95108	0.00054	16.20	0.95082	0.00051	19.50	0.95527	0.00049
12.90	0.95461	0.00052	16.40	0.95595	0.00050	19.75	0.95729	0.00047
13.00	0.95718	0.00052	16.60	0.95858	0.00050	20.00	0.96105	0.00049
13.10	0.96118	0.00052	16.80	0.96074	0.00050	20.25	0.96324	0.00047
13.20	0.96178	0.00056	17.00	0.96362	0.00053	20.50	0.96560	0.00048
13.30	0.96465	0.00051	17.20	0.96795	0.00052	20.75	0.96762	0.00049
13.40	0.96803	0.00054	17.40	0.97150	0.00051	21.00	0.96988	0.00049
13.50	0.97061	0.00051	17.60	0.97304	0.00051	21.25	0.97165	0.00047
13.60	0.97338	0.00051	17.80	0.97667	0.00049	21.50	0.97520	0.00047
13.70	0.97559	0.00052	18.00	0.97932	0.00050	21.75	0.97694	0.00047
13.80	0.97776	0.00053	18.20	0.98091	0.00049	22.00	0.97962	0.00047
13.90	0.98065	0.00052	18.40	0.98359	0.00048	22.25	0.98103	0.00048
14.00	0.98254	0.00053	18.60	0.98673	0.00050	22.50	0.98388	0.00047
14.10	0.98523	0.00056	18.80	0.98935	0.00049	22.75	0.98477	0.00048
14.20	0.98756	0.00051	19.00	0.99196	0.00049	23.00	0.98701	0.00047
14.30	0.99003	0.00054	19.20	0.99492	0.00051	23.25	0.98918	0.00047
14.40	0.99196	0.00051	19.40	0.99562	0.00049	23.50	0.99015	0.00048
14.50	0.99459	0.00054	19.60	0.99794	0.00048	23.75	0.99191	0.00046

14.60	0.99583	0.00051	19.80	1.00080	0.00050	24.00	0.99498	0.00047
14.70	0.99783	0.00051	20.00	1.00281	0.00048	24.25	0.99584	0.00046
14.80	1.00169	0.00052				24.50	0.99756	0.00046
14.90	1.00297	0.00053				24.75	0.99975	0.00048
15.00	1.00494	0.00052				25.00	0.99997	0.00046
15.10	1.00707	0.00053				25.25	1.00304	0.00044
15.20	1.00906	0.00053				25.50	1.00289	0.00047
						25.75	1.00601	0.00047
						26.00	1.00633	0.00047
						26.25	1.00776	0.00047
						26.50	1.00877	0.00048

8000			9000			10000		
22.00	0.93282	0.00045	999.98	0.94150	0.00039	999.98	0.82379	0.00036
22.50	0.93726	0.00047	999.99	0.94150	0.00039	999.99	0.82379	0.00036
23.00	0.94065	0.00045						
23.50	0.94461	0.00044						
24.00	0.94768	0.00047						
24.50	0.95129	0.00047						
25.00	0.95377	0.00046						
25.50	0.95771	0.00046						
26.00	0.96058	0.00046						
26.50	0.96314	0.00045						
27.00	0.96466	0.00046						
27.50	0.96818	0.00044						
28.00	0.96971	0.00047						
28.50	0.97243	0.00045						
29.00	0.97454	0.00047						
29.50	0.97657	0.00047						
30.00	0.97787	0.00045						
30.50	0.98054	0.00046						
31.00	0.98250	0.00045						
31.50	0.98383	0.00045						
32.00	0.98487	0.00045						
32.50	0.98720	0.00046						
33.00	0.98853	0.00045						
33.50	0.99005	0.00047						
34.00	0.99190	0.00045						
34.50	0.99333	0.00046						
35.00	0.99506	0.00045						
35.50	0.99531	0.00044						
36.00	0.99677	0.00049						
36.50	0.99766	0.00044						
37.00	0.99808	0.00044						
37.50	1.00117	0.00044						
38.00	1.00200	0.00044						
38.50	1.00217	0.00046						
39.00	1.00407	0.00045						
39.50	1.00415	0.00045						
40.00	1.00578	0.00046						

```
         15000                     18900
999.98 0.66542 0.00026   999.98 0.66606 0.00025
999.99 0.66542 0.00026   999.99 0.66606 0.00025
```

```
sumtable.u5o2-pl-0030-01
            20                        25                        30
999.98 0.08045 0.00002   999.98 0.09936 0.00002   999.98 0.11783 0.00003
999.99 0.08045 0.00002   999.99 0.09936 0.00002   999.99 0.11783 0.00003

            40                        45                        50
999.98 0.15357 0.00004   999.98 0.17069 0.00004   999.98 0.18766 0.00005
999.99 0.15357 0.00004   999.99 0.17069 0.00004   999.99 0.18766 0.00005

            55                        60                        65
999.98 0.20401 0.00005   999.98 0.22016 0.00006   999.98 0.23579 0.00006
999.99 0.20401 0.00005   999.99 0.22016 0.00006   999.99 0.23579 0.00006

            70                        80                       100
999.98 0.25131 0.00006   999.98 0.28120 0.00007   999.98 0.33739 0.00008
999.99 0.25131 0.00006   999.99 0.28120 0.00007   999.99 0.33739 0.00008

           130                       150                       170
999.98 0.41369 0.00010   999.98 0.46008 0.00011   999.98 0.50299 0.00012
999.99 0.41369 0.00010   999.99 0.46008 0.00011   999.99 0.50299 0.00012

           200                       350                       400
999.98 0.56214 0.00013   999.98 0.78607 0.00017   999.98 0.84143 0.00018
999.99 0.56214 0.00013   999.99 0.78607 0.00017   999.99 0.84143 0.00018

           500                       650                       800
999.98 0.93283 0.00022    16.00 0.92393 0.00031    12.00 0.93181 0.00037
999.99 0.93283 0.00022    17.00 0.93358 0.00031    12.20 0.93581 0.00037
                          18.00 0.94184 0.00032    12.40 0.93969 0.00038
                          19.00 0.94975 0.00032    12.60 0.94241 0.00038
                          20.00 0.95706 0.00031    12.80 0.94660 0.00037
                          21.00 0.96218 0.00031    13.00 0.95059 0.00037
                          22.00 0.96811 0.00029    13.20 0.95377 0.00036
                          23.00 0.97208 0.00030    13.40 0.95700 0.00038
                          24.00 0.97645 0.00029    13.60 0.96037 0.00037
                          25.00 0.98000 0.00030    13.80 0.96285 0.00037
                          26.00 0.98349 0.00029    14.00 0.96536 0.00036
                          27.00 0.98716 0.00029    14.20 0.96876 0.00037
                          28.00 0.98987 0.00029    14.40 0.97191 0.00038
                          29.00 0.99289 0.00028    14.60 0.97441 0.00036
                          30.00 0.99539 0.00029    14.80 0.97670 0.00036
                          31.00 0.99761 0.00028    15.00 0.97922 0.00037
                          32.00 0.99985 0.00028    15.20 0.98210 0.00036
                          33.00 1.00158 0.00028    15.40 0.98479 0.00036
                          34.00 1.00340 0.00029    15.60 0.98762 0.00036
                          35.00 1.00461 0.00028    15.80 0.99005 0.00034
                          36.00 1.00604 0.00027    16.00 0.99141 0.00037
                                                   16.20 0.99407 0.00035
                                                   16.40 0.99532 0.00035
                                                   16.60 0.99772 0.00034
                                                   16.80 1.00008 0.00035
                                                   17.00 1.00215 0.00034
```

900			1000			1200		
10.00	0.91587	0.00042	9.70	0.93338	0.00044	8.60	0.93433	0.00047
10.20	0.92182	0.00039	9.80	0.93670	0.00043	8.70	0.93809	0.00046
10.40	0.92688	0.00041	9.90	0.93946	0.00044	8.80	0.94314	0.00045
10.60	0.93276	0.00040	10.00	0.94219	0.00042	8.90	0.94588	0.00044
10.80	0.93748	0.00041	10.10	0.94558	0.00042	9.00	0.95044	0.00045
11.00	0.94336	0.00041	10.20	0.94865	0.00041	9.10	0.95427	0.00045
11.20	0.94824	0.00041	10.30	0.95102	0.00043	9.20	0.95760	0.00045
11.40	0.95164	0.00038	10.50	0.95736	0.00043	9.30	0.96006	0.00045
11.60	0.95686	0.00040	10.60	0.95949	0.00045	9.40	0.96398	0.00045
11.80	0.96112	0.00040	10.70	0.96224	0.00041	9.50	0.96828	0.00045
12.00	0.96520	0.00040	10.80	0.96407	0.00041	9.60	0.97106	0.00046
12.20	0.96905	0.00041	10.90	0.96736	0.00041	9.70	0.97414	0.00044
12.40	0.97263	0.00038	11.00	0.96939	0.00042	9.80	0.97775	0.00045
12.60	0.97669	0.00039	11.10	0.97234	0.00044	9.90	0.97959	0.00047
12.80	0.98080	0.00039	11.20	0.97506	0.00040	10.00	0.98424	0.00044
13.00	0.98411	0.00040	11.30	0.97734	0.00040	10.10	0.98662	0.00045
13.20	0.98776	0.00040	11.40	0.98013	0.00041	10.20	0.99008	0.00044
13.40	0.99092	0.00039	11.50	0.98250	0.00041	10.30	0.99393	0.00044
13.60	0.99451	0.00037	11.60	0.98390	0.00043	10.40	0.99553	0.00043
13.80	0.99732	0.00039	11.70	0.98602	0.00041	10.50	0.99841	0.00044
14.00	1.00053	0.00039	11.80	0.98899	0.00041	10.60	1.00207	0.00044
14.20	1.00332	0.00038	11.90	0.99050	0.00041			
14.40	1.00615	0.00037	12.00	0.99263	0.00040			
14.60	1.00889	0.00037	12.10	0.99531	0.00043			
14.80	1.01185	0.00037	12.20	0.99676	0.00041			
15.00	1.01503	0.00038	12.30	1.00008	0.00041			
			12.40	1.00170	0.00040			
			12.50	1.00250	0.00040			

1500			1700			1900		
7.50	0.92242	0.00049	7.50	0.93781	0.00050	7.30	0.93858	0.00050
7.60	0.92790	0.00050	7.55	0.94177	0.00050	7.35	0.94199	0.00051
7.70	0.93237	0.00046	7.60	0.94323	0.00051	7.40	0.94484	0.00051
7.80	0.93724	0.00049	7.65	0.94571	0.00051	7.45	0.94730	0.00051
7.90	0.94329	0.00048	7.70	0.94872	0.00050	7.50	0.94967	0.00053
8.00	0.94739	0.00050	7.75	0.95111	0.00051	7.55	0.95192	0.00049
8.10	0.95224	0.00048	7.80	0.95412	0.00049	7.60	0.95588	0.00051
8.20	0.95535	0.00047	7.85	0.95636	0.00050	7.65	0.95730	0.00051
8.30	0.96121	0.00049	7.90	0.95878	0.00052	7.70	0.96028	0.00053
8.40	0.96496	0.00050	7.95	0.96107	0.00051	7.75	0.96218	0.00050
8.50	0.96824	0.00047	8.00	0.96376	0.00051	7.80	0.96564	0.00051
8.60	0.97294	0.00050	8.05	0.96621	0.00051	7.85	0.96740	0.00051
8.70	0.97768	0.00049	8.10	0.96837	0.00049	7.90	0.96994	0.00049
8.80	0.98140	0.00048	8.15	0.97076	0.00050	7.95	0.97181	0.00053
8.90	0.98587	0.00048	8.20	0.97168	0.00049	8.00	0.97404	0.00051
9.00	0.98899	0.00049	8.25	0.97506	0.00050	8.05	0.97730	0.00050
9.10	0.99235	0.00050	8.30	0.97731	0.00050	8.10	0.97957	0.00052
9.20	0.99600	0.00048	8.35	0.97877	0.00050	8.15	0.98118	0.00052
9.30	1.00021	0.00047	8.40	0.98176	0.00049	8.20	0.98337	0.00050
9.40	1.00432	0.00048	8.45	0.98386	0.00051	8.25	0.98623	0.00051
9.50	1.00759	0.00050	8.50	0.98585	0.00051	8.30	0.98865	0.00052
			8.55	0.98833	0.00050	8.35	0.98978	0.00052
			8.60	0.99000	0.00050	8.40	0.99301	0.00050
			8.65	0.99138	0.00050	8.45	0.99522	0.00050
			8.70	0.99427	0.00048	8.50	0.99673	0.00051
			8.75	0.99637	0.00050	8.55	0.99939	0.00049
			8.80	0.99844	0.00050	8.60	1.00163	0.00051

8.85	1.00039	0.00049
8.90	1.00218	0.00049
8.95	1.00405	0.00048
9.00	1.00648	0.00050

8.65	1.00296	0.00048
8.70	1.00576	0.00052
8.75	1.00727	0.00053
8.80	1.01058	0.00052
8.85	1.01231	0.00051
8.90	1.01382	0.00053
8.95	1.01569	0.00048
9.00	1.01789	0.00050

2000

7.20	0.93753	0.00051
7.25	0.93981	0.00051
7.30	0.94326	0.00053
7.35	0.94580	0.00052
7.40	0.94859	0.00051
7.45	0.95155	0.00052
7.50	0.95332	0.00050
7.55	0.95624	0.00052
7.60	0.95871	0.00052
7.65	0.96173	0.00053
7.70	0.96375	0.00052
7.75	0.96669	0.00050
7.80	0.96850	0.00053
7.85	0.97072	0.00052
7.90	0.97475	0.00050
7.95	0.97649	0.00051
8.00	0.97954	0.00051
8.05	0.98128	0.00051
8.10	0.98344	0.00051
8.15	0.98669	0.00052
8.20	0.98736	0.00051
8.25	0.99105	0.00049
8.30	0.99269	0.00053
8.35	0.99516	0.00051
8.40	0.99729	0.00052
8.45	0.99947	0.00052
8.50	1.00158	0.00050
8.55	1.00303	0.00049
8.60	1.00608	0.00052

2100

7.10	0.93422	0.00053
7.15	0.93739	0.00052
7.20	0.94103	0.00053
7.25	0.94403	0.00054
7.30	0.94635	0.00053
7.35	0.94910	0.00052
7.40	0.95222	0.00052
7.45	0.95408	0.00053
7.50	0.95729	0.00052
7.55	0.95905	0.00051
7.60	0.96196	0.00051
7.65	0.96466	0.00051
7.70	0.96769	0.00055
7.75	0.96956	0.00052
7.80	0.97258	0.00052
7.85	0.97546	0.00050
7.90	0.97733	0.00053
7.95	0.97944	0.00051
8.00	0.98214	0.00052
8.05	0.98451	0.00055
8.10	0.98674	0.00055
8.15	0.98885	0.00054
8.20	0.99071	0.00054
8.25	0.99458	0.00052
8.30	0.99564	0.00052
8.35	0.99820	0.00052
8.40	1.00007	0.00053
8.45	1.00239	0.00052
8.50	1.00509	0.00050

2500

7.00	0.93420	0.00053
7.05	0.93796	0.00054
7.10	0.93988	0.00053
7.15	0.94413	0.00054
7.20	0.94605	0.00054
7.25	0.94929	0.00055
7.30	0.95175	0.00054
7.35	0.95467	0.00053
7.40	0.95690	0.00052
7.45	0.96052	0.00055
7.50	0.96329	0.00054
7.55	0.96505	0.00053
7.60	0.96821	0.00054
7.65	0.97107	0.00054
7.70	0.97281	0.00055
7.75	0.97679	0.00052
7.80	0.97821	0.00054
7.85	0.98072	0.00054
7.90	0.98270	0.00054
7.95	0.98603	0.00053
8.00	0.98784	0.00054
8.05	0.99088	0.00053
8.10	0.99250	0.00053
8.15	0.99461	0.00054
8.20	0.99791	0.00052
8.25	0.99998	0.00053
8.30	1.00145	0.00056
8.35	1.00511	0.00054
8.40	1.00643	0.00053

3000

7.10	0.93687	0.00053
7.15	0.93977	0.00054
7.20	0.94293	0.00057
7.25	0.94524	0.00054
7.30	0.94920	0.00056
7.35	0.95184	0.00054
7.40	0.95324	0.00054
7.45	0.95585	0.00054
7.50	0.96014	0.00054
7.55	0.96088	0.00056
7.60	0.96398	0.00053
7.65	0.96702	0.00054

4000

7.50	0.93018	0.00055
7.60	0.93530	0.00057
7.70	0.94002	0.00056
7.80	0.94475	0.00059
7.90	0.95069	0.00055
8.00	0.95586	0.00057
8.10	0.95997	0.00054
8.20	0.96517	0.00054
8.30	0.96836	0.00056
8.40	0.97372	0.00056
8.50	0.97867	0.00054
8.60	0.98295	0.00055

5000

8.50	0.93125	0.00054
8.60	0.93661	0.00054
8.70	0.93940	0.00054
8.80	0.94305	0.00053
8.90	0.94698	0.00055
9.00	0.95122	0.00056
9.10	0.95494	0.00055
9.20	0.96036	0.00056
9.30	0.96319	0.00057
9.40	0.96711	0.00053
9.50	0.97109	0.00054
9.60	0.97457	0.00054

7.70	0.97012	0.00055
7.75	0.97257	0.00056
7.80	0.97399	0.00057
7.85	0.97756	0.00054
7.90	0.97927	0.00055
7.95	0.98192	0.00053
8.00	0.98408	0.00057
8.05	0.98663	0.00055
8.10	0.98954	0.00054
8.15	0.99105	0.00056
8.20	0.99331	0.00053
8.25	0.99560	0.00055
8.30	0.99862	0.00055
8.35	1.00102	0.00053
8.40	1.00222	0.00053
8.45	1.00476	0.00053
8.50	1.00665	0.00055

8.70	0.98697	0.00054
8.80	0.99152	0.00055
8.90	0.99429	0.00054
9.00	0.99934	0.00056
9.10	1.00274	0.00056
9.20	1.00680	0.00056
9.30	1.01065	0.00053
9.40	1.01501	0.00054
9.50	1.01917	0.00054

9.70	0.97775	0.00053
9.80	0.98084	0.00055
9.90	0.98431	0.00056
10.00	0.98703	0.00054
10.10	0.99121	0.00053
10.20	0.99442	0.00055
10.30	0.99693	0.00055
10.40	1.00099	0.00054
10.50	1.00355	0.00056
10.60	1.00627	0.00054

6000		
10.00	0.92808	0.00051
10.10	0.93216	0.00054
10.20	0.93376	0.00052
10.30	0.93674	0.00054
10.40	0.93968	0.00052
10.50	0.94312	0.00053
10.60	0.94659	0.00053
10.70	0.94826	0.00052
10.80	0.95261	0.00054
10.90	0.95490	0.00052
11.00	0.95746	0.00052
11.10	0.96001	0.00054
11.20	0.96280	0.00052
11.30	0.96544	0.00051
11.40	0.96859	0.00052
11.50	0.97036	0.00053
11.60	0.97302	0.00052
11.70	0.97608	0.00053
11.80	0.97792	0.00053
11.90	0.98060	0.00055
12.00	0.98249	0.00052
12.10	0.98543	0.00053
12.20	0.98772	0.00053
12.30	0.99049	0.00054
12.40	0.99159	0.00052
12.50	0.99444	0.00052
12.60	0.99631	0.00053
12.70	0.99791	0.00054
12.80	1.00062	0.00055
12.90	1.00302	0.00052
13.00	1.00485	0.00053

7000		
13.00	0.93169	0.00052
13.20	0.93542	0.00051
13.40	0.94006	0.00050
13.60	0.94401	0.00053
13.80	0.94628	0.00050
14.00	0.95039	0.00051
14.20	0.95494	0.00051
14.40	0.95777	0.00049
14.60	0.95990	0.00053
14.80	0.96434	0.00051
15.00	0.96689	0.00051
15.20	0.96970	0.00052
15.40	0.97302	0.00052
15.60	0.97533	0.00051
15.80	0.97767	0.00051
16.00	0.98075	0.00050
16.20	0.98357	0.00051
16.40	0.98609	0.00049
16.60	0.98857	0.00049
16.80	0.99108	0.00049
17.00	0.99449	0.00050
17.20	0.99554	0.00051
17.40	0.99680	0.00050
17.60	1.00018	0.00048
17.80	1.00225	0.00050
18.00	1.00438	0.00050
18.20	1.00615	0.00049
18.40	1.00780	0.00051

7500		
15.50	0.93301	0.00049
15.75	0.93617	0.00048
16.00	0.93863	0.00050
16.25	0.94419	0.00047
16.50	0.94636	0.00050
16.75	0.94888	0.00048
17.00	0.95142	0.00048
17.25	0.95501	0.00050
17.50	0.95713	0.00048
17.75	0.96028	0.00048
18.00	0.96340	0.00046
18.25	0.96518	0.00048
18.50	0.96746	0.00048
18.75	0.97022	0.00048
19.00	0.97217	0.00049
19.25	0.97470	0.00048
19.50	0.97813	0.00048
19.75	0.97865	0.00049
20.00	0.98099	0.00046
20.25	0.98295	0.00050
20.50	0.98388	0.00047
20.75	0.98700	0.00049
21.00	0.98852	0.00048
21.25	0.98986	0.00048
21.50	0.99378	0.00048
21.75	0.99431	0.00048
22.00	0.99571	0.00049
22.25	0.99598	0.00047
22.50	0.99857	0.00047
22.75	1.00027	0.00046
23.00	1.00170	0.00048
23.25	1.00363	0.00046
23.50	1.00527	0.00047

```
          8000                      9000                      10000
 20.00 0.93639 0.00047   999.98 0.94150 0.00039   999.98 0.82379 0.00036
 21.00 0.94250 0.00046   999.99 0.94150 0.00039   999.99 0.82379 0.00036
 22.00 0.95091 0.00045
 23.00 0.95585 0.00047
 24.00 0.96135 0.00046
 25.00 0.96632 0.00047
 26.00 0.97187 0.00045
 27.00 0.97671 0.00045
 28.00 0.98018 0.00045
 29.00 0.98396 0.00044
 30.00 0.98634 0.00045
 31.00 0.98965 0.00046
 32.00 0.99258 0.00045
 33.00 0.99558 0.00044
 34.00 0.99697 0.00044
 35.00 0.99969 0.00044
 36.00 1.00195 0.00045
 37.00 1.00411 0.00045
 38.00 1.00604 0.00046
 39.00 1.00689 0.00044
 40.00 1.00825 0.00045
 41.00 1.01034 0.00044
 42.00 1.01306 0.00044
```

```
         15000                     18900
999.98 0.66542 0.00026   999.98 0.66606 0.00025
999.99 0.66542 0.00026   999.99 0.66606 0.00025
```

```
sumtable.u5o2-pl-0030-10
            20                        25                        30
999.98 0.08045 0.00002   999.98 0.09936 0.00002   999.98 0.11783 0.00003
999.99 0.08045 0.00002   999.99 0.09936 0.00002   999.99 0.11783 0.00003

            40                        45                        50
999.98 0.15357 0.00004   999.98 0.17069 0.00004   999.98 0.18766 0.00005
999.99 0.15357 0.00004   999.99 0.17069 0.00004   999.99 0.18766 0.00005

            55                        60                        65
999.98 0.20401 0.00005   999.98 0.22016 0.00006   999.98 0.23579 0.00006
999.99 0.20401 0.00005   999.99 0.22016 0.00006   999.99 0.23579 0.00006

            70                        80                       100
999.98 0.25131 0.00006   999.98 0.28120 0.00007   999.98 0.33739 0.00008
999.99 0.25131 0.00006   999.99 0.28120 0.00007   999.99 0.33739 0.00008

           130                       150                       170
999.98 0.41369 0.00010   999.98 0.46008 0.00011   999.98 0.50299 0.00012
999.99 0.41369 0.00010   999.99 0.46008 0.00011   999.99 0.50299 0.00012

           200                       350                       400
999.98 0.56214 0.00013   999.98 0.78607 0.00017   999.98 0.84143 0.00018
999.99 0.56214 0.00013   999.99 0.78607 0.00017   999.99 0.84143 0.00018
```

500			650			800		
999.98	0.93283	0.00022	14.00	0.91580	0.00032	11.00	0.93703	0.00036
999.99	0.93283	0.00022	15.00	0.92594	0.00032	11.25	0.94184	0.00038
			16.00	0.93560	0.00030	11.50	0.94578	0.00037
			17.00	0.94422	0.00031	11.75	0.94974	0.00036
			18.00	0.95105	0.00030	12.00	0.95423	0.00035
			19.00	0.95803	0.00030	12.25	0.95907	0.00036
			20.00	0.96381	0.00030	12.50	0.96272	0.00035
			21.00	0.96856	0.00029	12.75	0.96668	0.00034
			22.00	0.97401	0.00030	13.00	0.96972	0.00035
			23.00	0.97737	0.00029	13.25	0.97340	0.00034
			24.00	0.98122	0.00029	13.50	0.97625	0.00035
			25.00	0.98477	0.00029	13.75	0.98018	0.00034
			26.00	0.98770	0.00030	14.00	0.98307	0.00035
			27.00	0.99069	0.00029	14.25	0.98662	0.00036
			28.00	0.99301	0.00028	14.50	0.98905	0.00035
			29.00	0.99565	0.00029	14.75	0.99236	0.00035
			30.00	0.99821	0.00027	15.00	0.99488	0.00035
			31.00	0.99932	0.00027	15.25	0.99715	0.00035
			32.00	1.00136	0.00027	15.50	0.99932	0.00034
			33.00	1.00335	0.00026	15.75	1.00255	0.00035
			34.00	1.00509	0.00027	16.00	1.00471	0.00035
						16.25	1.00710	0.00034
						16.50	1.00925	0.00033
						16.75	1.01120	0.00034
						17.00	1.01359	0.00032
						17.25	1.01517	0.00033
						17.50	1.01769	0.00032
						17.75	1.01902	0.00032
						18.00	1.02099	0.00033

900			1000			1200		
9.60	0.94022	0.00038	8.50	0.93683	0.00040	7.00	0.92382	0.00044
9.80	0.94528	0.00038	8.60	0.93926	0.00041	7.10	0.92848	0.00043
10.00	0.94944	0.00038	8.70	0.94188	0.00040	7.20	0.93108	0.00045
10.20	0.95391	0.00037	8.80	0.94575	0.00040	7.30	0.93632	0.00042
10.40	0.95892	0.00039	8.90	0.94809	0.00040	7.40	0.93980	0.00042
10.60	0.96296	0.00037	9.00	0.95090	0.00042	7.50	0.94433	0.00043
10.80	0.96761	0.00037	9.10	0.95423	0.00040	7.60	0.94790	0.00043
11.00	0.97067	0.00038	9.20	0.95666	0.00040	7.70	0.95174	0.00043
11.20	0.97457	0.00037	9.30	0.95964	0.00039	7.80	0.95551	0.00042
11.40	0.97874	0.00037	9.40	0.96246	0.00040	7.90	0.95877	0.00044
11.60	0.98218	0.00036	9.50	0.96456	0.00041	8.00	0.96237	0.00042
11.80	0.98570	0.00036	9.60	0.96722	0.00041	8.10	0.96567	0.00042
12.00	0.98898	0.00039	9.70	0.97009	0.00039	8.20	0.96886	0.00044
12.20	0.99181	0.00038	9.80	0.97272	0.00039	8.30	0.97275	0.00044
12.40	0.99571	0.00035	9.90	0.97557	0.00041	8.40	0.97594	0.00043
12.60	0.99893	0.00037	10.00	0.97729	0.00038	8.50	0.97892	0.00042
12.80	1.00110	0.00037	10.10	0.97957	0.00040	8.60	0.98233	0.00041
13.00	1.00489	0.00037	10.20	0.98169	0.00040	8.70	0.98493	0.00043
			10.30	0.98560	0.00038	8.80	0.98886	0.00043
			10.40	0.98627	0.00039	8.90	0.99120	0.00041
			10.50	0.98827	0.00040	9.00	0.99458	0.00044
			10.60	0.99078	0.00040	9.10	0.99779	0.00044
			10.70	0.99295	0.00038	9.20	1.00115	0.00043
			10.80	0.99547	0.00038	9.30	1.00333	0.00043
			10.90	0.99720	0.00040	9.40	1.00554	0.00043
			11.00	0.99969	0.00040	9.50	1.00825	0.00042
			11.10	1.00161	0.00039	9.60	1.01095	0.00043
			11.20	1.00343	0.00039	9.70	1.01403	0.00042
			11.30	1.00597	0.00039	9.80	1.01599	0.00040
			11.40	1.00721	0.00040	9.90	1.01873	0.00042
			11.50	1.00903	0.00039	10.00	1.02039	0.00041

1500

6.40	0.93765	0.00045
6.50	0.94300	0.00047
6.60	0.94726	0.00046
6.70	0.95165	0.00046
6.80	0.95682	0.00046
6.90	0.96055	0.00045
7.00	0.96606	0.00047
7.10	0.96954	0.00045
7.20	0.97371	0.00044
7.30	0.97847	0.00046
7.40	0.98212	0.00047
7.50	0.98572	0.00045
7.60	0.98948	0.00046
7.70	0.99339	0.00045
7.80	0.99756	0.00044
7.90	1.00138	0.00045
8.00	1.00445	0.00047
8.10	1.00805	0.00045
8.20	1.01238	0.00044

1700

6.00	0.93508	0.00046
6.10	0.94113	0.00047
6.20	0.94658	0.00048
6.30	0.95159	0.00048
6.40	0.95589	0.00048
6.50	0.96070	0.00048
6.60	0.96612	0.00048
6.70	0.97160	0.00046
6.80	0.97555	0.00047
6.90	0.97886	0.00048
7.00	0.98503	0.00045
7.10	0.98823	0.00045
7.20	0.99244	0.00047
7.30	0.99710	0.00048
7.40	1.00079	0.00046
7.50	1.00479	0.00046

1900

5.50	0.92129	0.00048
5.60	0.92679	0.00049
5.70	0.93354	0.00048
5.80	0.93910	0.00047
5.90	0.94397	0.00049
6.00	0.94957	0.00049
6.10	0.95406	0.00049
6.20	0.96019	0.00049
6.30	0.96522	0.00050
6.40	0.96966	0.00049
6.50	0.97482	0.00048
6.60	0.98004	0.00049
6.70	0.98516	0.00048
6.80	0.98942	0.00049
6.90	0.99269	0.00048
7.00	0.99778	0.00048
7.10	1.00032	0.00049
7.20	1.00634	0.00048
7.30	1.01012	0.00049
7.40	1.01467	0.00049
7.50	1.01784	0.00047

2000

5.40	0.92056	0.00049
5.50	0.92590	0.00049
5.60	0.93263	0.00048
5.70	0.93836	0.00048
5.80	0.94363	0.00050
5.90	0.94953	0.00049
6.00	0.95494	0.00047
6.10	0.96001	0.00050
6.20	0.96518	0.00049
6.30	0.97043	0.00047
6.40	0.97580	0.00049
6.50	0.97950	0.00051
6.60	0.98498	0.00050
6.70	0.99032	0.00049
6.80	0.99450	0.00049
6.90	0.99846	0.00047
7.00	1.00321	0.00048
7.10	1.00740	0.00049
7.20	1.01188	0.00048

2100

5.50	0.93078	0.00048
5.55	0.93383	0.00046
5.60	0.93557	0.00050
5.65	0.93986	0.00049
5.70	0.94315	0.00048
5.75	0.94528	0.00050
5.80	0.94857	0.00049
5.85	0.95098	0.00049
5.90	0.95348	0.00050
5.95	0.95642	0.00050
6.00	0.95876	0.00048
6.05	0.96177	0.00048
6.10	0.96397	0.00048
6.15	0.96760	0.00052
6.20	0.96932	0.00049
6.25	0.97147	0.00050
6.30	0.97398	0.00049
6.35	0.97711	0.00049
6.40	0.97885	0.00052
6.45	0.98105	0.00051
6.50	0.98348	0.00050
6.55	0.98742	0.00050
6.60	0.98852	0.00048
6.65	0.99084	0.00049
6.70	0.99295	0.00049
6.75	0.99530	0.00051
6.80	0.99887	0.00050
6.85	0.99950	0.00048
6.90	1.00344	0.00049
6.95	1.00447	0.00049
7.00	1.00686	0.00049

2500

5.40	0.93592	0.00050
5.50	0.94160	0.00048
5.60	0.94760	0.00049
5.70	0.95347	0.00050
5.80	0.95908	0.00050
5.90	0.96499	0.00050
6.00	0.96950	0.00052
6.10	0.97395	0.00049
6.20	0.98049	0.00052
6.30	0.98551	0.00049
6.40	0.98941	0.00050
6.50	0.99453	0.00047
6.60	0.99814	0.00049
6.70	1.00386	0.00050
6.80	1.00729	0.00050
6.90	1.01277	0.00050
7.00	1.01737	0.00049

3000		
5.30	0.93349	0.00051
5.35	0.93693	0.00052
5.40	0.93865	0.00050
5.45	0.94116	0.00051
5.50	0.94425	0.00052
5.55	0.94777	0.00051
5.60	0.95071	0.00050
5.65	0.95279	0.00052
5.70	0.95513	0.00051
5.75	0.95881	0.00052
5.80	0.96103	0.00052
5.85	0.96368	0.00052
5.90	0.96635	0.00052
5.95	0.96906	0.00052
6.00	0.97244	0.00050
6.05	0.97404	0.00050
6.10	0.97747	0.00052
6.15	0.97923	0.00053
6.20	0.98131	0.00049
6.25	0.98388	0.00052
6.30	0.98686	0.00050
6.35	0.98884	0.00053
6.40	0.99072	0.00050
6.45	0.99484	0.00053
6.50	0.99605	0.00050
6.55	0.99911	0.00054
6.60	1.00113	0.00050
6.65	1.00319	0.00049
6.70	1.00538	0.00050

4000		
5.50	0.92975	0.00051
5.60	0.93531	0.00049
5.70	0.94111	0.00053
5.80	0.94567	0.00052
5.90	0.95091	0.00054
6.00	0.95565	0.00051
6.10	0.96069	0.00050
6.20	0.96510	0.00054
6.30	0.96892	0.00050
6.40	0.97374	0.00053
6.50	0.97849	0.00051
6.60	0.98230	0.00052
6.70	0.98722	0.00053
6.80	0.99203	0.00051
6.90	0.99573	0.00053
7.00	0.99850	0.00053
7.10	1.00253	0.00052
7.20	1.00743	0.00051
7.30	1.01055	0.00053
7.40	1.01426	0.00052
7.50	1.01843	0.00052

5000		
6.30	0.93660	0.00052
6.40	0.93992	0.00051
6.50	0.94507	0.00054
6.60	0.94827	0.00051
6.70	0.95248	0.00049
6.80	0.95678	0.00053
6.90	0.96064	0.00050
7.00	0.96304	0.00053
7.10	0.96692	0.00051
7.20	0.97055	0.00052
7.30	0.97371	0.00051
7.40	0.97830	0.00051
7.50	0.98150	0.00049
7.60	0.98472	0.00050
7.70	0.98795	0.00050
7.80	0.99178	0.00051
7.90	0.99482	0.00051
8.00	0.99855	0.00052
8.10	1.00143	0.00052
8.20	1.00479	0.00053
8.30	1.00833	0.00051

6000		
7.00	0.91915	0.00051
7.20	0.92478	0.00050
7.40	0.93158	0.00049
7.60	0.93757	0.00054
7.80	0.94276	0.00050
8.00	0.94972	0.00050
8.20	0.95517	0.00052
8.40	0.96103	0.00050
8.60	0.96544	0.00052
8.80	0.97174	0.00051
9.00	0.97681	0.00052
9.20	0.98140	0.00051
9.40	0.98617	0.00051
9.60	0.99062	0.00051
9.80	0.99528	0.00052
10.00	0.99856	0.00052
10.20	1.00313	0.00050
10.40	1.00673	0.00051
10.60	1.01064	0.00050
10.80	1.01455	0.00048
11.00	1.01941	0.00051

7000		
10.00	0.93813	0.00048
10.20	0.94210	0.00048
10.40	0.94416	0.00049
10.60	0.94865	0.00048
10.80	0.95147	0.00047
11.00	0.95549	0.00048
11.20	0.95854	0.00048
11.40	0.96159	0.00048
11.60	0.96502	0.00050
11.80	0.96751	0.00050
12.00	0.97085	0.00050
12.20	0.97368	0.00049
12.40	0.97627	0.00048
12.60	0.97991	0.00048
12.80	0.98237	0.00049
13.00	0.98524	0.00047
13.20	0.98685	0.00047
13.40	0.98975	0.00049
13.60	0.99169	0.00047
13.80	0.99450	0.00049
14.00	0.99532	0.00049
14.20	0.99870	0.00049
14.40	0.99986	0.00048
14.60	1.00356	0.00049
14.80	1.00477	0.00047
15.00	1.00716	0.00048

7500		
12.00	0.93609	0.00048
12.50	0.94196	0.00048
13.00	0.94821	0.00047
13.50	0.95451	0.00048
14.00	0.95893	0.00048
14.50	0.96382	0.00049
15.00	0.96938	0.00047
15.50	0.97376	0.00046
16.00	0.97691	0.00047
16.50	0.98180	0.00047
17.00	0.98514	0.00045
17.50	0.98985	0.00047
18.00	0.99373	0.00046
19.00	1.00098	0.00046
19.50	1.00254	0.00049
20.00	1.00574	0.00048

	8000		9000		10000		
16.00	0.93748	0.00047	999.98	0.94150	0.00039	999.98	0.82379	0.00036
16.50	0.94043	0.00046	999.99	0.94150	0.00039	999.99	0.82379	0.00036
17.00	0.94448	0.00045						
17.50	0.94780	0.00046						
18.00	0.95107	0.00044						
18.50	0.95471	0.00044						
19.00	0.95736	0.00045						
19.50	0.96093	0.00046						
20.00	0.96271	0.00046						
20.50	0.96662	0.00044						
21.00	0.96744	0.00044						
21.50	0.97042	0.00043						
22.00	0.97346	0.00046						
22.50	0.97468	0.00046						
23.00	0.97662	0.00045						
23.50	0.97885	0.00046						
24.00	0.98006	0.00045						
24.50	0.98312	0.00045						
25.00	0.98378	0.00045						
25.50	0.98482	0.00045						
26.00	0.98768	0.00045						
26.50	0.98899	0.00045						
27.00	0.99170	0.00045						
27.50	0.99182	0.00046						
28.00	0.99285	0.00045						
28.50	0.99468	0.00045						
29.00	0.99427	0.00045						
29.50	0.99695	0.00045						
30.00	0.99705	0.00045						
30.50	0.99886	0.00044						
31.00	1.00066	0.00045						
31.50	1.00166	0.00045						
32.00	1.00183	0.00046						
32.50	1.00345	0.00044						
33.00	1.00394	0.00045						

	15000		18900		
999.98	0.66542	0.00026	999.98	0.66606	0.00025
999.99	0.66542	0.00026	999.99	0.66606	0.00025

sumtable.u5o2-pl-0040-00

20			25			30		
999.98	0.10592	0.00002	999.98	0.13037	0.00003	999.98	0.15409	0.00004
999.99	0.10592	0.00002	999.99	0.13037	0.00003	999.99	0.15409	0.00004

40			45			50		
999.98	0.19949	0.00005	999.98	0.22119	0.00005	999.98	0.24241	0.00006
999.99	0.19949	0.00005	999.99	0.22119	0.00005	999.99	0.24241	0.00006

55			60			65		
999.98	0.26318	0.00006	999.98	0.28307	0.00007	999.98	0.30260	0.00007
999.99	0.26318	0.00006	999.99	0.28307	0.00007	999.99	0.30260	0.00007

70			80			100		
999.98	0.32138	0.00008	999.98	0.35803	0.00008	999.98	0.42563	0.00010
999.99	0.32138	0.00008	999.99	0.35803	0.00008	999.99	0.42563	0.00010

130			150			170		
999.98	0.51577	0.00012	999.98	0.56917	0.00012	999.98	0.61815	0.00013
999.99	0.51577	0.00012	999.99	0.56917	0.00012	999.99	0.61815	0.00013

200			350			400		
999.98	0.68410	0.00015	999.98	0.92345	0.00019	999.98	0.97972	0.00020
999.99	0.68410	0.00015	999.99	0.92345	0.00019	999.99	0.97972	0.00020

500			650			800		
16.00	0.93653	0.00035	11.00	0.91370	0.00043	10.00	0.93161	0.00046
16.50	0.94362	0.00035	11.20	0.92070	0.00040	10.10	0.93562	0.00046
17.00	0.94873	0.00034	11.40	0.92657	0.00040	10.20	0.93928	0.00045
17.50	0.95500	0.00035	11.60	0.93207	0.00042	10.30	0.94328	0.00046
18.00	0.96032	0.00034	11.80	0.93789	0.00042	10.40	0.94741	0.00047
18.50	0.96540	0.00032	12.00	0.94392	0.00042	10.50	0.95112	0.00046
19.00	0.96973	0.00033	12.20	0.94984	0.00041	10.60	0.95563	0.00045
19.50	0.97341	0.00032	12.40	0.95487	0.00041	10.70	0.95868	0.00044
20.00	0.97771	0.00034	12.60	0.96000	0.00040	10.80	0.96270	0.00043
20.50	0.98123	0.00032	12.80	0.96495	0.00041	10.90	0.96550	0.00046
21.00	0.98505	0.00032	13.00	0.96915	0.00040	11.00	0.97016	0.00045
21.50	0.98804	0.00032	13.20	0.97463	0.00040	11.10	0.97411	0.00044
22.00	0.99161	0.00029	13.40	0.97770	0.00041	11.20	0.97680	0.00046
22.50	0.99426	0.00032	13.60	0.98224	0.00041	11.30	0.97947	0.00046
23.00	0.99750	0.00032	13.80	0.98608	0.00040	11.40	0.98360	0.00047
23.50	1.00072	0.00031	14.00	0.99032	0.00041	11.50	0.98552	0.00045
24.00	1.00260	0.00031	14.20	0.99420	0.00039	11.60	0.98907	0.00044
24.50	1.00498	0.00030	14.40	0.99818	0.00041	11.70	0.99248	0.00045
25.00	1.00728	0.00030	14.60	1.00151	0.00040	11.80	0.99587	0.00044
			14.80	1.00515	0.00038	11.90	0.99864	0.00043
			15.00	1.00868	0.00038	12.00	1.00136	0.00042
						12.10	1.00360	0.00043
						12.20	1.00643	0.00043

900		
9.00	0.91177	0.00048
9.10	0.91660	0.00050
9.20	0.92220	0.00049
9.30	0.92759	0.00047
9.40	0.93111	0.00046
9.50	0.93612	0.00048
9.60	0.94151	0.00051
9.70	0.94600	0.00047
9.80	0.95022	0.00048
9.90	0.95465	0.00047
10.00	0.95936	0.00048
10.10	0.96280	0.00048
10.20	0.96785	0.00046
10.30	0.97156	0.00047
10.40	0.97523	0.00050
10.50	0.98022	0.00045
10.60	0.98279	0.00046
10.70	0.98685	0.00046
10.80	0.99091	0.00048
10.90	0.99457	0.00046
11.00	0.99818	0.00047
11.10	1.00128	0.00047
11.20	1.00393	0.00047
11.30	1.00813	0.00045
11.40	1.01199	0.00046
11.50	1.01460	0.00046

1000		
9.00	0.93298	0.00048
9.10	0.93860	0.00050
9.20	0.94326	0.00051
9.30	0.94782	0.00050
9.40	0.95306	0.00050
9.50	0.95788	0.00050
9.60	0.96343	0.00049
9.70	0.96747	0.00050
9.80	0.97208	0.00049
9.90	0.97641	0.00049
10.00	0.98091	0.00045
10.10	0.98543	0.00049
10.20	0.98972	0.00048
10.30	0.99313	0.00049
10.40	0.99667	0.00050
10.50	1.00173	0.00049
10.60	1.00582	0.00048
10.70	1.00999	0.00047
10.80	1.01360	0.00048
10.90	1.01686	0.00048
11.00	1.02110	0.00048

1200		
8.20	0.91679	0.00053
8.30	0.92304	0.00053
8.40	0.92850	0.00052
8.50	0.93573	0.00051
8.60	0.94221	0.00051
8.70	0.94728	0.00051
8.80	0.95266	0.00052
8.90	0.95796	0.00052
9.00	0.96374	0.00054
9.10	0.97019	0.00051
9.20	0.97499	0.00052
9.30	0.98019	0.00052
9.40	0.98511	0.00051
9.50	0.98998	0.00050
9.60	0.99389	0.00051
9.70	0.99911	0.00054
9.80	1.00421	0.00050
9.90	1.01021	0.00052
10.00	1.01381	0.00052
10.10	1.01789	0.00051
10.20	1.02310	0.00052

1500		
8.10	0.93738	0.00054
8.15	0.94096	0.00057
8.20	0.94429	0.00055
8.25	0.94635	0.00054
8.30	0.94988	0.00057
8.35	0.95316	0.00055
8.40	0.95698	0.00056
8.45	0.95929	0.00053
8.50	0.96347	0.00055
8.55	0.96558	0.00054
8.60	0.96853	0.00055
8.65	0.97227	0.00054
8.70	0.97520	0.00055
8.75	0.97747	0.00054
8.80	0.98096	0.00054
8.85	0.98432	0.00054
8.90	0.98662	0.00056
8.95	0.98991	0.00053
9.00	0.99156	0.00054
9.05	0.99531	0.00055
9.10	0.99816	0.00055
9.15	1.00052	0.00054
9.20	1.00291	0.00054
9.25	1.00627	0.00054
9.30	1.00891	0.00055

1700		
7.80	0.92566	0.00058
7.85	0.92952	0.00055
7.90	0.93308	0.00055
7.95	0.93642	0.00055
8.00	0.94014	0.00057
8.05	0.94347	0.00058
8.10	0.94691	0.00056
8.15	0.95063	0.00057
8.20	0.95437	0.00057
8.25	0.95796	0.00055
8.30	0.96037	0.00057
8.35	0.96353	0.00056
8.40	0.96615	0.00056
8.45	0.97063	0.00057
8.50	0.97297	0.00055
8.55	0.97617	0.00055
8.60	0.97995	0.00056
8.65	0.98325	0.00056
8.70	0.98528	0.00056
8.75	0.98904	0.00056
8.80	0.99143	0.00054
8.85	0.99464	0.00056
8.90	0.99744	0.00056
8.95	1.00029	0.00055
9.00	1.00271	0.00053
9.05	1.00554	0.00056
9.10	1.00802	0.00056
9.15	1.01151	0.00056
9.20	1.01484	0.00056

1900		
7.70	0.92306	0.00058
7.75	0.92699	0.00056
7.80	0.93265	0.00056
7.85	0.93535	0.00056
7.90	0.93897	0.00055
7.95	0.94204	0.00056
8.00	0.94656	0.00056
8.05	0.94785	0.00056
8.10	0.95208	0.00058
8.15	0.95667	0.00057
8.20	0.95931	0.00054
8.25	0.96251	0.00056
8.30	0.96665	0.00056
8.35	0.96944	0.00058
8.40	0.97256	0.00055
8.45	0.97566	0.00055
8.50	0.97954	0.00057
8.55	0.98248	0.00057
8.60	0.98535	0.00056
8.65	0.98877	0.00056
8.70	0.99086	0.00058
8.75	0.99385	0.00055
8.80	0.99788	0.00057
8.85	1.00068	0.00056
8.90	1.00259	0.00057
8.95	1.00689	0.00055
9.00	1.01003	0.00056

2000			2100			2500		
7.80	0.93251	0.00057	7.80	0.93359	0.00056	7.70	0.92372	0.00060
7.85	0.93691	0.00054	7.85	0.93650	0.00057	7.75	0.92697	0.00058
7.90	0.94028	0.00057	7.90	0.94100	0.00057	7.80	0.93130	0.00060
7.95	0.94431	0.00059	7.95	0.94456	0.00057	7.85	0.93359	0.00059
8.00	0.94777	0.00056	8.00	0.94841	0.00059	7.90	0.93916	0.00057
8.05	0.95089	0.00058	8.05	0.95227	0.00057	7.95	0.94234	0.00059
8.10	0.95448	0.00058	8.10	0.95500	0.00056	8.00	0.94706	0.00057
8.15	0.95802	0.00057	8.15	0.95914	0.00058	8.05	0.94946	0.00058
8.20	0.96089	0.00056	8.20	0.96215	0.00057	8.10	0.95264	0.00059
8.25	0.96488	0.00054	8.25	0.96462	0.00057	8.15	0.95584	0.00058
8.30	0.96746	0.00057	8.30	0.96898	0.00057	8.20	0.95944	0.00057
8.35	0.97101	0.00058	8.35	0.97188	0.00056	8.25	0.96361	0.00062
8.40	0.97502	0.00057	8.40	0.97516	0.00056	8.30	0.96632	0.00059
8.45	0.97765	0.00057	8.45	0.97780	0.00056	8.35	0.96943	0.00058
8.50	0.97962	0.00056	8.50	0.98106	0.00058	8.40	0.97254	0.00057
8.55	0.98260	0.00059	8.55	0.98457	0.00058	8.45	0.97716	0.00058
8.60	0.98771	0.00057	8.60	0.98861	0.00058	8.50	0.97994	0.00059
8.65	0.99060	0.00056	8.65	0.99104	0.00058	8.55	0.98292	0.00058
8.70	0.99377	0.00056	8.70	0.99381	0.00056	8.60	0.98635	0.00058
8.75	0.99677	0.00059	8.75	0.99795	0.00057	8.65	0.98843	0.00059
8.80	0.99984	0.00056	8.80	0.99981	0.00056	8.70	0.99106	0.00058
8.85	1.00247	0.00059	8.85	1.00357	0.00057	8.75	0.99560	0.00058
8.90	1.00488	0.00057	8.90	1.00560	0.00056	8.80	0.99801	0.00059
8.95	1.00820	0.00055	8.95	1.00905	0.00057	8.85	1.00164	0.00060
9.00	1.01191	0.00056	9.00	1.01185	0.00056	8.90	1.00372	0.00056
						8.95	1.00703	0.00060
						9.00	1.01003	0.00056

3000			4000			5000		
8.00	0.93290	0.00061	8.60	0.93146	0.00061	9.40	0.92223	0.00057
8.05	0.93748	0.00061	8.65	0.93715	0.00059	9.50	0.92786	0.00058
8.10	0.94046	0.00057	8.70	0.93934	0.00058	9.60	0.93437	0.00055
8.15	0.94449	0.00061	8.75	0.94221	0.00060	9.70	0.93829	0.00056
8.20	0.94717	0.00060	8.80	0.94504	0.00059	9.80	0.94395	0.00057
8.25	0.95106	0.00058	8.85	0.94798	0.00056	9.90	0.94845	0.00057
8.30	0.95468	0.00057	8.90	0.95082	0.00056	10.00	0.95389	0.00057
8.35	0.95808	0.00060	8.95	0.95301	0.00059	10.10	0.95810	0.00058
8.40	0.96102	0.00059	9.00	0.95662	0.00061	10.20	0.96254	0.00057
8.45	0.96436	0.00058	9.05	0.95984	0.00059	10.30	0.96772	0.00058
8.50	0.96863	0.00058	9.10	0.96113	0.00056	10.40	0.97131	0.00057
8.55	0.97019	0.00059	9.15	0.96401	0.00059	10.50	0.97625	0.00058
8.60	0.97402	0.00058	9.20	0.96838	0.00058	10.60	0.98044	0.00056
8.65	0.97760	0.00061	9.25	0.97078	0.00058	10.70	0.98522	0.00057
8.70	0.97948	0.00056	9.30	0.97323	0.00058	10.80	0.98855	0.00057
8.75	0.98299	0.00059	9.35	0.97850	0.00057	10.90	0.99428	0.00058
8.80	0.98725	0.00059	9.40	0.97977	0.00058	11.00	0.99787	0.00057
8.85	0.98898	0.00058	9.45	0.98311	0.00058	11.10	1.00039	0.00058
8.90	0.99337	0.00058	9.50	0.98426	0.00058	11.20	1.00494	0.00055
8.95	0.99601	0.00057	9.55	0.98749	0.00059	11.30	1.00964	0.00058
9.00	0.99806	0.00058	9.60	0.99001	0.00058	11.40	1.01246	0.00059
9.05	1.00070	0.00060	9.65	0.99221	0.00056			
9.10	1.00337	0.00057	9.70	0.99447	0.00058			
9.15	1.00629	0.00058	9.75	0.99768	0.00059			
9.20	1.00995	0.00058	9.80	0.99957	0.00058			
			9.85	1.00325	0.00056			
			9.90	1.00502	0.00059			
			9.95	1.00682	0.00056			
			10.00	1.01040	0.00057			

6000			7000			7500		
11.00	0.93028	0.00054	13.50	0.93456	0.00052	15.00	0.92752	0.00049
11.10	0.93330	0.00055	13.70	0.94013	0.00051	15.25	0.93366	0.00049
11.20	0.93719	0.00055	13.90	0.94541	0.00053	15.50	0.93812	0.00050
11.30	0.94038	0.00054	14.10	0.94938	0.00052	15.75	0.94314	0.00049
11.40	0.94637	0.00056	14.30	0.95555	0.00053	16.00	0.94817	0.00050
11.50	0.94887	0.00053	14.50	0.95913	0.00053	16.25	0.95241	0.00052
11.60	0.95280	0.00051	14.70	0.96407	0.00050	16.50	0.95659	0.00050
11.70	0.95609	0.00056	14.90	0.96879	0.00054	16.75	0.96081	0.00047
11.80	0.96011	0.00056	15.10	0.97118	0.00050	17.00	0.96499	0.00050
11.90	0.96412	0.00056	15.30	0.97641	0.00053	17.25	0.96843	0.00049
12.00	0.96641	0.00056	15.50	0.98056	0.00051	17.50	0.97304	0.00049
12.10	0.96993	0.00054	15.70	0.98464	0.00050	17.75	0.97724	0.00049
12.20	0.97325	0.00057	15.90	0.98752	0.00052	18.00	0.98056	0.00048
12.30	0.97696	0.00055	16.10	0.99179	0.00051	18.25	0.98365	0.00050
12.40	0.98031	0.00055	16.30	0.99520	0.00050	18.50	0.98646	0.00051
12.50	0.98340	0.00055	16.50	0.99961	0.00050	18.75	0.98977	0.00050
12.60	0.98533	0.00055	16.70	1.00186	0.00051	19.00	0.99295	0.00048
12.70	0.98868	0.00056	16.90	1.00423	0.00052	19.25	0.99598	0.00048
12.80	0.99232	0.00052	17.00	1.00782	0.00052	19.50	0.99845	0.00050
12.90	0.99510	0.00056				19.75	1.00245	0.00050
13.00	0.99716	0.00055				20.00	1.00349	0.00049
13.10	1.00035	0.00053						
13.20	1.00267	0.00055						
13.30	1.00602	0.00055						
13.40	1.00805	0.00056						

8000			9000			10000		
18.00	0.93618	0.00047	30.00	0.93256	0.00040	999.98	0.90162	0.00033
18.50	0.94242	0.00047	40.00	0.95951	0.00041	999.99	0.90162	0.00033
19.00	0.94873	0.00048	50.00	0.97525	0.00040			
19.50	0.95462	0.00047	60.00	0.98228	0.00040			
20.00	0.96008	0.00046	70.00	0.98709	0.00038			
20.50	0.96567	0.00047	80.00	0.99068	0.00040			
21.00	0.97117	0.00048	90.00	0.99261	0.00040			
21.50	0.97612	0.00046	100.00	0.99433	0.00037			
22.00	0.98007	0.00047	110.00	0.99497	0.00039			
22.50	0.98410	0.00047	120.00	0.99644	0.00039			
23.00	0.98834	0.00049	130.00	0.99690	0.00041			
23.50	0.99164	0.00047	140.00	0.99725	0.00039			
24.00	0.99613	0.00047	150.00	0.99856	0.00038			
24.50	0.99927	0.00049	160.00	0.99915	0.00040			
25.00	1.00190	0.00048	170.00	0.99893	0.00038			
25.50	1.00542	0.00047	180.00	0.99882	0.00040			
26.00	1.00793	0.00046	190.00	0.99882	0.00041			
			200.00	0.99926	0.00028			
			210.00	0.99959	0.00028			
			220.00	0.99999	0.00028			
			230.00	0.99966	0.00028			
			240.00	1.00021	0.00028			
			250.00	1.00003	0.00027			

sumtable.u5o2-pl-0040-01

20			25			30		
999.98	0.10592	0.00002	999.98	0.13037	0.00003	999.98	0.15409	0.00004
999.99	0.10592	0.00002	999.99	0.13037	0.00003	999.99	0.15409	0.00004

40			45			50		
999.98	0.19949	0.00005	999.98	0.22119	0.00005	999.98	0.24241	0.00006
999.99	0.19949	0.00005	999.99	0.22119	0.00005	999.99	0.24241	0.00006

55			60			65		
999.98	0.26318	0.00006	999.98	0.28307	0.00007	999.98	0.30260	0.00007
999.99	0.26318	0.00006	999.99	0.28307	0.00007	999.99	0.30260	0.00007

70			80			100		
999.98	0.32138	0.00008	999.98	0.35803	0.00008	999.98	0.42563	0.00010
999.99	0.32138	0.00008	999.99	0.35803	0.00008	999.99	0.42563	0.00010

130			150			170		
999.98	0.51577	0.00012	999.98	0.56917	0.00012	999.98	0.61815	0.00013
999.99	0.51577	0.00012	999.99	0.56917	0.00012	999.99	0.61815	0.00013

200			350			400		
999.98	0.68410	0.00015	999.98	0.92345	0.00019	999.98	0.97972	0.00020
999.99	0.68410	0.00015	999.99	0.92345	0.00019	999.99	0.97972	0.00020

500			650			800		
14.50	0.93779	0.00034	9.00	0.89965	0.00041	8.50	0.93563	0.00046
15.00	0.94371	0.00033	9.20	0.90672	0.00041	8.60	0.93976	0.00045
15.50	0.95042	0.00034	9.40	0.91346	0.00041	8.70	0.94316	0.00044
16.00	0.95481	0.00033	9.60	0.91943	0.00041	8.80	0.94668	0.00044
16.50	0.96065	0.00033	9.80	0.92535	0.00040	8.90	0.95124	0.00043
17.00	0.96608	0.00033	10.00	0.93292	0.00040	9.00	0.95529	0.00044
17.50	0.97000	0.00033	10.20	0.93801	0.00040	9.10	0.95943	0.00044
18.00	0.97340	0.00032	10.40	0.94379	0.00040	9.20	0.96285	0.00044
18.50	0.97897	0.00032	10.60	0.94887	0.00039	9.30	0.96619	0.00044
19.00	0.98203	0.00031	10.80	0.95399	0.00039	9.40	0.96927	0.00044
19.50	0.98610	0.00032	11.00	0.95886	0.00041	9.50	0.97337	0.00043
20.00	0.98847	0.00031	11.20	0.96405	0.00040	9.60	0.97632	0.00042
20.50	0.99181	0.00032	11.40	0.96875	0.00039	9.70	0.97968	0.00044
21.00	0.99505	0.00031	11.60	0.97255	0.00041	9.80	0.98343	0.00045
21.50	0.99808	0.00030	11.80	0.97767	0.00040	9.90	0.98600	0.00043
22.00	1.00045	0.00030	12.00	0.98298	0.00039	10.00	0.98931	0.00043
22.50	1.00290	0.00030	12.20	0.98614	0.00039	10.10	0.99273	0.00043
			12.40	0.99027	0.00037	10.20	0.99536	0.00045
			12.60	0.99346	0.00038	10.30	0.99788	0.00042
			12.80	0.99780	0.00039	10.40	1.00065	0.00043
			13.00	1.00134	0.00037	10.50	1.00383	0.00041
			13.20	1.00475	0.00038			
			13.40	1.00786	0.00039			
			13.60	1.01234	0.00038			
			13.80	1.01393	0.00039			
			14.00	1.01828	0.00038			

900			1000			1200		
8.00	0.94065	0.00047	7.50	0.93922	0.00048	6.50	0.91103	0.00051
8.10	0.94537	0.00048	7.55	0.94146	0.00049	6.60	0.91808	0.00052
8.20	0.94950	0.00048	7.60	0.94427	0.00048	6.70	0.92549	0.00050
8.30	0.95492	0.00047	7.65	0.94624	0.00048	6.80	0.93095	0.00050
8.40	0.95866	0.00047	7.70	0.94921	0.00050	6.90	0.93682	0.00051
8.50	0.96337	0.00045	7.75	0.95108	0.00049	7.00	0.94261	0.00051
8.60	0.96790	0.00046	7.80	0.95304	0.00047	7.10	0.94785	0.00051
8.70	0.97184	0.00046	7.85	0.95528	0.00049	7.20	0.95436	0.00049
8.80	0.97573	0.00047	7.90	0.95800	0.00047	7.30	0.96021	0.00051
8.90	0.97920	0.00046	7.95	0.96125	0.00049	7.40	0.96538	0.00049
9.00	0.98349	0.00045	8.00	0.96303	0.00047	7.50	0.97035	0.00049
9.10	0.98687	0.00046	8.05	0.96543	0.00047	7.60	0.97610	0.00051
9.20	0.98982	0.00047	8.10	0.96866	0.00049	7.70	0.98199	0.00051
9.30	0.99464	0.00046	8.15	0.97053	0.00049	7.80	0.98632	0.00050
9.40	0.99840	0.00046	8.20	0.97372	0.00048	7.90	0.99212	0.00051
9.50	1.00168	0.00047	8.25	0.97443	0.00047	8.00	0.99604	0.00051
9.60	1.00440	0.00045	8.30	0.97684	0.00049	8.10	1.00070	0.00051
9.70	1.00895	0.00046	8.35	0.97903	0.00049	8.20	1.00572	0.00050
9.80	1.01179	0.00047	8.40	0.98176	0.00048	8.30	1.00932	0.00050
9.90	1.01503	0.00044	8.45	0.98393	0.00046	8.40	1.01469	0.00050
10.00	1.01792	0.00046	8.50	0.98639	0.00048	8.50	1.01928	0.00049
			8.55	0.98716	0.00048			
			8.60	0.98945	0.00047			
			8.65	0.99153	0.00048			
			8.70	0.99450	0.00047			
			8.75	0.99680	0.00047			
			8.80	0.99832	0.00046			
			8.85	0.99931	0.00048			
			8.90	1.00199	0.00047			
			8.95	1.00401	0.00048			
			9.00	1.00542	0.00048			

1500			1700			1900		
6.40	0.93307	0.00051	6.30	0.93724	0.00055	6.20	0.93755	0.00056
6.45	0.93720	0.00054	6.35	0.94092	0.00054	6.25	0.94004	0.00054
6.50	0.94027	0.00053	6.40	0.94474	0.00052	6.30	0.94410	0.00057
6.55	0.94375	0.00052	6.45	0.94823	0.00054	6.35	0.94667	0.00057
6.60	0.94677	0.00054	6.50	0.95045	0.00054	6.40	0.95192	0.00057
6.65	0.95028	0.00054	6.55	0.95514	0.00054	6.45	0.95445	0.00056
6.70	0.95293	0.00054	6.60	0.95873	0.00055	6.50	0.95839	0.00057
6.75	0.95609	0.00054	6.65	0.96128	0.00054	6.55	0.96070	0.00054
6.80	0.95890	0.00052	6.70	0.96446	0.00053	6.60	0.96521	0.00055
6.85	0.96131	0.00053	6.75	0.96750	0.00054	6.65	0.96815	0.00055
6.90	0.96526	0.00051	6.80	0.97111	0.00053	6.70	0.97102	0.00053
6.95	0.96902	0.00056	6.85	0.97288	0.00054	6.75	0.97459	0.00056
7.00	0.97201	0.00053	6.90	0.97696	0.00054	6.80	0.97716	0.00056
7.05	0.97509	0.00054	6.95	0.98052	0.00054	6.85	0.98010	0.00056
7.10	0.97718	0.00052	7.00	0.98337	0.00055	6.90	0.98430	0.00056
7.15	0.98110	0.00053	7.05	0.98527	0.00054	6.95	0.98623	0.00056
7.20	0.98363	0.00055	7.10	0.98939	0.00054	7.00	0.99054	0.00054
7.25	0.98630	0.00053	7.15	0.99192	0.00053	7.05	0.99336	0.00055
7.30	0.99007	0.00053	7.20	0.99489	0.00053	7.10	0.99572	0.00055
7.35	0.99185	0.00053	7.25	0.99825	0.00053	7.15	0.99889	0.00057
7.40	0.99519	0.00053	7.30	1.00154	0.00054	7.20	1.00258	0.00054
7.45	0.99749	0.00052	7.35	1.00445	0.00054	7.25	1.00405	0.00056
7.50	1.00142	0.00056	7.40	1.00681	0.00055	7.30	1.00752	0.00055
7.55	1.00361	0.00055						
7.60	1.00520	0.00052						

2000		
6.20	0.93931	0.00055
6.25	0.94269	0.00059
6.30	0.94700	0.00057
6.35	0.94974	0.00055
6.40	0.95343	0.00053
6.45	0.95651	0.00056
6.50	0.95956	0.00057
6.55	0.96415	0.00054
6.60	0.96676	0.00058
6.65	0.96955	0.00055
6.70	0.97351	0.00055
6.75	0.97624	0.00056
6.80	0.98008	0.00055
6.85	0.98393	0.00055
6.90	0.98577	0.00056
6.95	0.98968	0.00053
7.00	0.99187	0.00055
7.05	0.99607	0.00055
7.10	0.99852	0.00055
7.15	1.00152	0.00056
7.20	1.00425	0.00056
7.25	1.00720	0.00055
7.30	1.00900	0.00055
7.35	1.01263	0.00055
7.40	1.01596	0.00057
7.45	1.01811	0.00057
7.50	1.02064	0.00055

2100		
6.10	0.93409	0.00058
6.20	0.94096	0.00056
6.30	0.94769	0.00057
6.40	0.95515	0.00056
6.50	0.96104	0.00054
6.60	0.96835	0.00053
6.70	0.97509	0.00056
6.80	0.98007	0.00057
6.90	0.98730	0.00056
7.00	0.99384	0.00055
7.10	0.99968	0.00055
7.20	1.00527	0.00055
7.30	1.01119	0.00055

2500		
6.10	0.93213	0.00057
6.15	0.93546	0.00055
6.20	0.93978	0.00059
6.25	0.94387	0.00056
6.30	0.94794	0.00057
6.35	0.95192	0.00056
6.40	0.95394	0.00056
6.45	0.95779	0.00057
6.50	0.96084	0.00058
6.55	0.96479	0.00058
6.60	0.96670	0.00059
6.65	0.97122	0.00058
6.70	0.97410	0.00053
6.75	0.97746	0.00058
6.80	0.98060	0.00058
6.85	0.98467	0.00058
6.90	0.98736	0.00059
6.95	0.99070	0.00055
7.00	0.99325	0.00057
7.05	0.99688	0.00056
7.10	0.99934	0.00056
7.15	1.00258	0.00056
7.20	1.00522	0.00058
7.25	1.00825	0.00057
7.30	1.01070	0.00056

3000		
6.30	0.93737	0.00059
6.35	0.94212	0.00058
6.40	0.94455	0.00059
6.45	0.94815	0.00057
6.50	0.95215	0.00057
6.55	0.95441	0.00059
6.60	0.95901	0.00056
6.65	0.96220	0.00059
6.70	0.96518	0.00055
6.75	0.96884	0.00059
6.80	0.97215	0.00057
6.85	0.97386	0.00055
6.90	0.97781	0.00059
6.95	0.98041	0.00056
7.00	0.98389	0.00059
7.05	0.98508	0.00055
7.10	0.98996	0.00058
7.15	0.99252	0.00058
7.20	0.99609	0.00057
7.25	0.99878	0.00056
7.30	1.00125	0.00057
7.35	1.00408	0.00058
7.40	1.00729	0.00057

4000		
6.80	0.93430	0.00056
6.85	0.93787	0.00056
6.90	0.94152	0.00056
6.95	0.94422	0.00058
7.00	0.94651	0.00058
7.05	0.94999	0.00058
7.10	0.95271	0.00058
7.15	0.95577	0.00055
7.20	0.95925	0.00055
7.25	0.96105	0.00058
7.30	0.96391	0.00058
7.35	0.96691	0.00058
7.40	0.97074	0.00058
7.45	0.97230	0.00058
7.50	0.97581	0.00057
7.55	0.97760	0.00057
7.60	0.98092	0.00058
7.65	0.98360	0.00056
7.70	0.98497	0.00057
7.75	0.98844	0.00056
7.80	0.99065	0.00058
7.85	0.99445	0.00056
7.90	0.99646	0.00056
7.95	0.99916	0.00060
8.00	1.00080	0.00058
8.05	1.00376	0.00056
8.10	1.00582	0.00057

5000		
7.60	0.92910	0.00056
7.70	0.93464	0.00057
7.80	0.93973	0.00056
7.90	0.94370	0.00057
8.00	0.94970	0.00056
8.10	0.95341	0.00057
8.20	0.95837	0.00056
8.30	0.96350	0.00058
8.40	0.96843	0.00055
8.50	0.97194	0.00056
8.60	0.97513	0.00057
8.70	0.98007	0.00057
8.80	0.98465	0.00059
8.90	0.98993	0.00055
9.00	0.99435	0.00055
9.10	0.99656	0.00058
9.20	1.00138	0.00056
9.30	1.00614	0.00057

6000			7000			7500		
9.00	0.93073	0.00053	11.40	0.93549	0.00054	13.00	0.93434	0.00050
9.10	0.93470	0.00056	11.60	0.94103	0.00053	13.20	0.93683	0.00051
9.20	0.93948	0.00055	11.80	0.94566	0.00053	13.40	0.94068	0.00051
9.30	0.94296	0.00055	12.00	0.95185	0.00053	13.60	0.94487	0.00050
9.40	0.94557	0.00054	12.20	0.95575	0.00052	13.80	0.94855	0.00050
9.50	0.94903	0.00054	12.40	0.96040	0.00052	14.00	0.95209	0.00050
9.60	0.95259	0.00055	12.60	0.96484	0.00052	14.20	0.95466	0.00051
9.70	0.95669	0.00053	12.80	0.96952	0.00051	14.40	0.95924	0.00049
9.80	0.96056	0.00053	13.00	0.97292	0.00049	14.60	0.96216	0.00051
9.90	0.96426	0.00055	13.20	0.97847	0.00052	14.80	0.96472	0.00050
10.00	0.96757	0.00055	13.40	0.98073	0.00053	15.00	0.96877	0.00050
10.10	0.96983	0.00054	13.60	0.98513	0.00053	15.20	0.97086	0.00049
10.20	0.97302	0.00055	13.80	0.98773	0.00053	15.40	0.97396	0.00050
10.30	0.97762	0.00055	14.00	0.99170	0.00053	15.60	0.97615	0.00050
10.40	0.98045	0.00055	14.20	0.99640	0.00054	15.80	0.97937	0.00050
10.50	0.98382	0.00054	14.40	0.99932	0.00053	16.00	0.98263	0.00049
10.60	0.98600	0.00054	14.60	1.00302	0.00051	16.20	0.98561	0.00050
10.70	0.99004	0.00056				16.40	0.98916	0.00051
10.80	0.99310	0.00055				16.60	0.99056	0.00052
10.90	0.99564	0.00055				16.80	0.99420	0.00050
11.00	0.99824	0.00051				17.00	0.99537	0.00051
11.10	1.00100	0.00053				17.20	0.99796	0.00048
11.20	1.00427	0.00054				17.40	1.00048	0.00052
11.30	1.00578	0.00056				17.60	1.00161	0.00049
11.40	1.00935	0.00052						
11.50	1.01082	0.00054						

8000			9000			10000		
16.00	0.93973	0.00047	30.00	0.94192	0.00042	999.98	0.90162	0.00033
16.50	0.94698	0.00046	40.00	0.96480	0.00041	999.99	0.90162	0.00033
17.00	0.95313	0.00047	50.00	0.97645	0.00041			
17.50	0.95809	0.00048	60.00	0.98339	0.00040			
18.00	0.96345	0.00048	70.00	0.98785	0.00039			
18.50	0.96899	0.00047	80.00	0.99099	0.00040			
19.00	0.97353	0.00050	90.00	0.99299	0.00040			
19.50	0.97875	0.00051	100.00	0.99395	0.00040			
20.00	0.98243	0.00048	110.00	0.99486	0.00038			
20.50	0.98689	0.00046	120.00	0.99685	0.00039			
21.00	0.99065	0.00049	130.00	0.99663	0.00041			
21.50	0.99462	0.00045	140.00	0.99735	0.00039			
22.00	0.99773	0.00049	150.00	0.99721	0.00040			
22.50	1.00113	0.00047	160.00	0.99902	0.00039			
23.00	1.00436	0.00048	170.00	0.99884	0.00039			
23.50	1.00691	0.00048	190.00	0.99937	0.00040			
24.00	1.01028	0.00047	200.00	0.99981	0.00041			
			210.00	0.99971	0.00041			
			220.00	0.99946	0.00041			
			230.00	0.99915	0.00038			
			240.00	0.99989	0.00039			
			250.00	1.00003	0.00041			
			260.00	0.99961	0.00040			
			270.00	0.99996	0.00040			
			280.00	1.00022	0.00039			

```
         15000                     18900
999.98 0.75933 0.00027   999.98 0.75915 0.00026
999.99 0.75933 0.00027   999.99 0.75915 0.00026



sumtable.u5o2-pl-0040-10
            20                        25                        30
999.98 0.10592 0.00002   999.98 0.13037 0.00003   999.98 0.15409 0.00004
999.99 0.10592 0.00002   999.99 0.13037 0.00003   999.99 0.15409 0.00004

            40                        45                        50
999.98 0.19949 0.00005   999.98 0.22119 0.00005   999.98 0.24241 0.00006
999.99 0.19949 0.00005   999.99 0.22119 0.00005   999.99 0.24241 0.00006

            55                        60                        65
999.98 0.26318 0.00006   999.98 0.28307 0.00007   999.98 0.30260 0.00007
999.99 0.26318 0.00006   999.99 0.28307 0.00007   999.99 0.30260 0.00007

            70                        80                       100
999.98 0.32138 0.00008   999.98 0.35803 0.00008   999.98 0.42563 0.00010
999.99 0.32138 0.00008   999.99 0.35803 0.00008   999.99 0.42563 0.00010

           130                       150                       170
999.98 0.51577 0.00012   999.98 0.56917 0.00012   999.98 0.61815 0.00013
999.99 0.51577 0.00012   999.99 0.56917 0.00012   999.99 0.61815 0.00013

           200                       350                       400
999.98 0.68410 0.00015   999.98 0.92345 0.00019   999.98 0.97972 0.00020
999.99 0.68410 0.00015   999.99 0.92345 0.00019   999.99 0.97972 0.00020

           500                       650                       800
 13.00 0.93398 0.00034     9.00 0.93909 0.00038     7.20 0.93411 0.00043
 13.50 0.94042 0.00032     9.10 0.94188 0.00037     7.30 0.93878 0.00041
 14.00 0.94664 0.00032     9.20 0.94423 0.00038     7.40 0.94231 0.00042
 14.50 0.95212 0.00032     9.30 0.94742 0.00038     7.50 0.94685 0.00042
 15.00 0.95794 0.00032     9.40 0.95070 0.00038     7.60 0.95093 0.00041
 15.50 0.96309 0.00032     9.50 0.95339 0.00039     7.70 0.95459 0.00043
 16.00 0.96730 0.00032     9.60 0.95579 0.00037     7.80 0.95802 0.00042
 16.50 0.97272 0.00031     9.70 0.95788 0.00038     7.90 0.96113 0.00041
 17.00 0.97631 0.00031     9.80 0.96049 0.00038     8.00 0.96458 0.00041
 17.50 0.98016 0.00031     9.90 0.96334 0.00038     8.10 0.96873 0.00042
 18.00 0.98384 0.00031    10.00 0.96511 0.00038     8.20 0.97161 0.00041
 18.50 0.98811 0.00030    10.10 0.96691 0.00038     8.30 0.97563 0.00041
 19.00 0.99064 0.00030    10.20 0.96994 0.00040     8.40 0.97891 0.00042
 19.50 0.99291 0.00030    10.30 0.97276 0.00036     8.50 0.98244 0.00041
 20.00 0.99679 0.00031    10.40 0.97390 0.00038     8.60 0.98522 0.00042
 20.50 0.99917 0.00031    10.50 0.97644 0.00036     8.70 0.98884 0.00041
 21.00 1.00143 0.00030    10.60 0.97818 0.00038     8.80 0.99188 0.00040
 21.50 1.00421 0.00029    10.70 0.98103 0.00038     8.90 0.99453 0.00040
 22.00 1.00662 0.00028    10.80 0.98309 0.00038     9.00 0.99724 0.00041
                          10.90 0.98495 0.00037     9.10 1.00090 0.00039
                          11.00 0.98709 0.00038     9.20 1.00341 0.00040
                          11.10 0.98921 0.00038     9.30 1.00638 0.00041
                          11.20 0.99117 0.00037
                          11.30 0.99384 0.00037
                          11.40 0.99492 0.00037
                          11.50 0.99609 0.00037
                          11.60 0.99889 0.00036
                          11.70 1.00056 0.00038
                          11.80 1.00221 0.00036
                          11.90 1.00340 0.00036
                          12.00 1.00615 0.00036
```

900		
6.50	0.93133	0.00045
6.60	0.93609	0.00044
6.70	0.94019	0.00043
6.80	0.94647	0.00045
6.90	0.95022	0.00043
7.00	0.95421	0.00043
7.10	0.95895	0.00043
7.20	0.96381	0.00044
7.30	0.96761	0.00043
7.40	0.97179	0.00044
7.50	0.97549	0.00043
7.60	0.98042	0.00045
7.70	0.98364	0.00042
7.80	0.98703	0.00043
7.90	0.99144	0.00043
8.00	0.99473	0.00042
8.10	0.99827	0.00043
8.20	1.00133	0.00043
8.30	1.00506	0.00046
8.40	1.00828	0.00042
8.50	1.01185	0.00044

1000		
6.00	0.92813	0.00046
6.10	0.93434	0.00045
6.20	0.93933	0.00044
6.30	0.94429	0.00045
6.40	0.95039	0.00044
6.50	0.95513	0.00045
6.60	0.95967	0.00046
6.70	0.96468	0.00045
6.80	0.96865	0.00045
6.90	0.97355	0.00046
7.00	0.97882	0.00046
7.10	0.98239	0.00044
7.20	0.98715	0.00046
7.30	0.99141	0.00047
7.40	0.99599	0.00045
7.50	0.99888	0.00044
7.60	1.00356	0.00046
7.70	1.00799	0.00044
7.80	1.01243	0.00045
7.90	1.01472	0.00045
8.00	1.01901	0.00044
8.10	1.02212	0.00044
8.20	1.02538	0.00046

1200		
5.40	0.92855	0.00048
5.45	0.93174	0.00048
5.50	0.93521	0.00046
5.55	0.93661	0.00046
5.60	0.94114	0.00048
5.65	0.94349	0.00046
5.70	0.94609	0.00046
5.75	0.95022	0.00047
5.80	0.95289	0.00047
5.85	0.95538	0.00048
5.90	0.95859	0.00044
5.95	0.96156	0.00046
6.00	0.96353	0.00047
6.05	0.96760	0.00048
6.10	0.96997	0.00049
6.15	0.97205	0.00048
6.20	0.97429	0.00047
6.25	0.97739	0.00047
6.30	0.97998	0.00048
6.35	0.98243	0.00049
6.40	0.98467	0.00047
6.45	0.98706	0.00047
6.50	0.98948	0.00048
6.55	0.99328	0.00046
6.60	0.99567	0.00048
6.65	0.99802	0.00049
6.70	1.00026	0.00045
6.75	1.00256	0.00047
6.80	1.00428	0.00046
6.85	1.00687	0.00047
6.90	1.00905	0.00047
6.95	1.01123	0.00047
7.00	1.01420	0.00048

1500		
5.00	0.93565	0.00047
5.05	0.93875	0.00052
5.10	0.94253	0.00050
5.15	0.94520	0.00050
5.20	0.94937	0.00051
5.25	0.95244	0.00050
5.30	0.95556	0.00050
5.35	0.95911	0.00048
5.40	0.96205	0.00049
5.45	0.96482	0.00052
5.50	0.96753	0.00050
5.55	0.97126	0.00048
5.60	0.97528	0.00049
5.65	0.97802	0.00049
5.70	0.97978	0.00051
5.75	0.98331	0.00049
5.80	0.98651	0.00051
5.85	0.98864	0.00049
5.90	0.99245	0.00050
5.95	0.99504	0.00050
6.00	0.99711	0.00049
6.05	0.99979	0.00051

1700		
4.60	0.92078	0.00052
4.65	0.92465	0.00050
4.70	0.92819	0.00052
4.75	0.93038	0.00051
4.80	0.93602	0.00052
4.85	0.93973	0.00051
4.90	0.94310	0.00051
4.95	0.94624	0.00052
5.00	0.95011	0.00049
5.05	0.95325	0.00050
5.10	0.95673	0.00049
5.15	0.96005	0.00050
5.20	0.96301	0.00049
5.25	0.96689	0.00052
5.30	0.97031	0.00053
5.35	0.97323	0.00051
5.40	0.97596	0.00049
5.45	0.97965	0.00051
5.50	0.98245	0.00049
5.55	0.98560	0.00052
5.60	0.98898	0.00053
5.65	0.99134	0.00050

1900		
4.70	0.93801	0.00052
4.75	0.94165	0.00051
4.80	0.94557	0.00050
4.85	0.94917	0.00053
4.90	0.95262	0.00052
4.95	0.95615	0.00051
5.00	0.95982	0.00053
5.05	0.96293	0.00052
5.10	0.96688	0.00051
5.15	0.96928	0.00052
5.20	0.97368	0.00053
5.25	0.97710	0.00053
5.30	0.97920	0.00052
5.35	0.98370	0.00052
5.40	0.98596	0.00052
5.45	0.98937	0.00051
5.50	0.99143	0.00051
5.55	0.99557	0.00051
5.60	0.99841	0.00052
5.65	1.00121	0.00052
5.70	1.00483	0.00050

6.10	1.00220	0.00048
6.15	1.00660	0.00049
6.20	1.00794	0.00049
6.25	1.01061	0.00048
6.30	1.01451	0.00050

5.70	0.99509	0.00051
5.75	0.99816	0.00051
5.80	1.00137	0.00052
5.85	1.00293	0.00050
5.90	1.00658	0.00051
5.95	1.00866	0.00052
6.00	1.01172	0.00052

2000

4.60	0.93522	0.00052
4.65	0.93872	0.00053
4.70	0.94301	0.00050
4.75	0.94743	0.00049
4.80	0.94894	0.00052
4.85	0.95385	0.00051
4.90	0.95719	0.00054
4.95	0.96011	0.00053
5.00	0.96379	0.00051
5.05	0.96651	0.00053
5.10	0.97073	0.00051
5.15	0.97336	0.00049
5.20	0.97641	0.00051
5.25	0.97982	0.00051
5.30	0.98313	0.00053
5.35	0.98637	0.00050
5.40	0.98933	0.00053
5.45	0.99312	0.00052
5.50	0.99668	0.00051
5.55	0.99896	0.00052
5.60	1.00153	0.00051
5.65	1.00472	0.00052
5.70	1.00748	0.00053

2100

4.40	0.92305	0.00051
4.45	0.92686	0.00053
4.50	0.93071	0.00054
4.55	0.93455	0.00052
4.60	0.93778	0.00052
4.65	0.94195	0.00052
4.70	0.94568	0.00051
4.75	0.94923	0.00050
4.80	0.95214	0.00052
4.85	0.95664	0.00053
4.90	0.95857	0.00054
4.95	0.96306	0.00052
5.00	0.96692	0.00052
5.05	0.97027	0.00051
5.10	0.97340	0.00053
5.15	0.97650	0.00053
5.20	0.97955	0.00050
5.25	0.98283	0.00052
5.30	0.98667	0.00051
5.35	0.98906	0.00053
5.40	0.99249	0.00053
5.45	0.99519	0.00053
5.50	0.99893	0.00051
5.55	1.00177	0.00052
5.60	1.00479	0.00052
5.65	1.00867	0.00053
5.70	1.01136	0.00054

2500

4.50	0.93700	0.00054
4.55	0.94036	0.00053
4.60	0.94538	0.00054
4.65	0.94821	0.00055
4.70	0.95192	0.00053
4.75	0.95584	0.00052
4.80	0.95845	0.00052
4.85	0.96179	0.00052
4.90	0.96626	0.00055
4.95	0.96764	0.00053
5.00	0.97298	0.00055
5.05	0.97491	0.00052
5.10	0.97855	0.00053
5.15	0.98203	0.00052
5.20	0.98611	0.00053
5.25	0.98850	0.00053
5.30	0.99259	0.00055
5.35	0.99452	0.00053
5.40	0.99769	0.00052
5.45	1.00097	0.00050
5.50	1.00428	0.00053
5.55	1.00707	0.00053
5.60	1.01035	0.00053

3000

4.50	0.93631	0.00055
4.55	0.93959	0.00054
4.60	0.94333	0.00053
4.65	0.94748	0.00053
4.70	0.95130	0.00053
4.75	0.95405	0.00053
4.80	0.95765	0.00053
4.85	0.96129	0.00054
4.90	0.96485	0.00053
4.95	0.96709	0.00052
5.00	0.97081	0.00052
5.05	0.97266	0.00054
5.10	0.97733	0.00052
5.15	0.97990	0.00054
5.20	0.98267	0.00053

4000

4.70	0.93214	0.00053
4.75	0.93491	0.00054
4.80	0.93715	0.00056
4.85	0.94034	0.00055
4.90	0.94357	0.00055
4.95	0.94715	0.00055
5.00	0.95025	0.00053
5.05	0.95198	0.00054
5.10	0.95553	0.00055
5.15	0.95803	0.00055
5.20	0.96204	0.00056
5.25	0.96449	0.00053
5.30	0.96697	0.00052
5.35	0.96998	0.00055
5.40	0.97308	0.00054

5000

5.40	0.93687	0.00056
5.50	0.94220	0.00053
5.60	0.94733	0.00052
5.70	0.95294	0.00053
5.80	0.95673	0.00052
5.90	0.96109	0.00053
6.00	0.96662	0.00052
6.10	0.97080	0.00055
6.20	0.97452	0.00053
6.30	0.97874	0.00053
6.40	0.98350	0.00053
6.50	0.98804	0.00053
6.60	0.99148	0.00053
6.70	0.99521	0.00054
6.80	0.99944	0.00054

5.25	0.98553	0.00053
5.30	0.98977	0.00054
5.35	0.99290	0.00052
5.40	0.99633	0.00055
5.45	0.99859	0.00054
5.50	1.00082	0.00053
5.55	1.00415	0.00055
5.60	1.00694	0.00052

5.45	0.97561	0.00054
5.50	0.97770	0.00053
5.55	0.98113	0.00055
5.60	0.98381	0.00055
5.65	0.98742	0.00055
5.70	0.98905	0.00053
5.75	0.99207	0.00053
5.80	0.99407	0.00055
5.85	0.99713	0.00053
5.90	0.99944	0.00051
5.95	1.00156	0.00054
6.00	1.00470	0.00055
6.05	1.00701	0.00052
6.10	1.01051	0.00053
6.15	1.01077	0.00053
6.20	1.01356	0.00053

6.90	1.00335	0.00052
7.00	1.00820	0.00053
7.10	1.01209	0.00051
7.20	1.01570	0.00052

6000

6.30	0.93449	0.00052
6.40	0.93784	0.00052
6.50	0.94138	0.00052
6.60	0.94507	0.00052
6.70	0.94816	0.00051
6.80	0.95194	0.00050
6.90	0.95625	0.00051
7.00	0.95992	0.00051
7.10	0.96276	0.00051
7.20	0.96684	0.00052
7.30	0.97000	0.00052
7.40	0.97269	0.00051
7.50	0.97553	0.00051
7.60	0.97897	0.00053
7.70	0.98187	0.00052
7.80	0.98454	0.00053
7.90	0.98806	0.00052
8.00	0.99069	0.00054
8.10	0.99461	0.00051
8.20	0.99742	0.00051
8.30	0.99946	0.00053
8.40	1.00238	0.00052
8.50	1.00474	0.00053

7000

8.00	0.93450	0.00051
8.20	0.93868	0.00050
8.40	0.94358	0.00050
8.60	0.94977	0.00051
8.80	0.95385	0.00050
9.00	0.95895	0.00049
9.20	0.96278	0.00050
9.40	0.96685	0.00052
9.60	0.97143	0.00052
9.80	0.97510	0.00051
10.00	0.98004	0.00050
10.20	0.98339	0.00051
10.40	0.98743	0.00049
10.60	0.98995	0.00051
10.80	0.99364	0.00052
11.00	0.99729	0.00052
11.20	1.00101	0.00050
11.40	1.00401	0.00049
11.60	1.00755	0.00049

7500

9.60	0.93832	0.00052
9.80	0.94238	0.00050
10.00	0.94609	0.00047
10.20	0.94960	0.00051
10.40	0.95320	0.00050
10.60	0.95707	0.00048
10.80	0.96050	0.00047
11.00	0.96397	0.00048
11.20	0.96612	0.00051
11.40	0.97016	0.00048
11.60	0.97281	0.00048
11.80	0.97485	0.00047
12.00	0.97905	0.00048
12.20	0.98163	0.00048
12.40	0.98452	0.00048
12.60	0.98774	0.00049
12.80	0.98954	0.00049
13.00	0.99162	0.00048
13.20	0.99254	0.00047
13.40	0.99655	0.00046
13.60	0.99858	0.00047
13.80	1.00115	0.00048
14.00	1.00237	0.00047
14.20	1.00526	0.00049
14.40	1.00643	0.00049

8000

10.00	0.91280	0.00049
10.50	0.92128	0.00045
11.00	0.92848	0.00045
11.50	0.93558	0.00048
12.00	0.94168	0.00047
12.50	0.94880	0.00050
13.00	0.95490	0.00048
13.50	0.96026	0.00047

9000

20.00	0.92548	0.00043
30.00	0.95698	0.00042
40.00	0.97230	0.00042
50.00	0.98097	0.00040
60.00	0.98538	0.00040
70.00	0.98961	0.00039
80.00	0.99089	0.00041
90.00	0.99450	0.00039

10000

999.98	0.90162	0.00033
999.99	0.90162	0.00033

```
 14.00 0.96615 0.00046   100.00 0.99405 0.00039
 14.50 0.97010 0.00047   110.00 0.99599 0.00043
 15.00 0.97507 0.00047   120.00 0.99638 0.00040
 15.50 0.97892 0.00049   130.00 0.99623 0.00040
 16.00 0.98294 0.00048   140.00 0.99797 0.00041
 16.50 0.98760 0.00047   150.00 0.99892 0.00039
 17.00 0.99141 0.00045   160.00 0.99814 0.00038
 17.50 0.99511 0.00047   170.00 0.99807 0.00040
 18.00 0.99775 0.00048   180.00 0.99997 0.00039
 18.50 1.00083 0.00046   190.00 0.99943 0.00038
 19.00 1.00455 0.00046   200.00 0.99957 0.00040
 19.50 1.00862 0.00045   210.00 0.99974 0.00039
 20.00 1.00998 0.00048   220.00 0.99928 0.00040
                         230.00 0.99936 0.00040
                         240.00 0.99998 0.00038
                         250.00 0.99953 0.00039
                         260.00 1.00078 0.00040
                         270.00 1.00035 0.00039
                         280.00 1.00040 0.00040
                         290.00 0.99954 0.00040
                         300.00 1.00067 0.00039
```

```
         15000                   18900
999.98 0.75933 0.00027   999.98 0.75915 0.00026
999.99 0.75933 0.00027   999.99 0.75915 0.00026
```

```
sumtable.u5o2-pl-0050-00
            20                      25                      30
999.98 0.13061 0.00003   999.98 0.16029 0.00004   999.98 0.18898 0.00005
999.99 0.13061 0.00003   999.99 0.16029 0.00004   999.99 0.18898 0.00005

            40                      45                      50
999.98 0.24336 0.00006   999.98 0.26913 0.00007   999.98 0.29416 0.00007
                         999.99 0.26913 0.00007   999.99 0.29416 0.00007

            55                      60                      65
999.98 0.31838 0.00007   999.98 0.34172 0.00008   999.98 0.36446 0.00008
999.99 0.31838 0.00007                            999.99 0.36446 0.00008

            70                      80                     100
999.98 0.38629 0.00009   999.98 0.42848 0.00010   999.98 0.50527 0.00010
999.99 0.38629 0.00009   999.99 0.42848 0.00010

           130                     150                     170
999.98 0.60544 0.00013   999.98 0.66419 0.00014   999.98 0.71704 0.00014
999.99 0.60544 0.00013   999.99 0.66419 0.00014   999.99 0.71704 0.00014
```

200		
999.98	0.78767	0.00016
999.99	0.78767	0.00016

350		
18.00	0.92457	0.00030
19.00	0.93413	0.00031
20.00	0.94220	0.00030
21.00	0.94933	0.00030
22.00	0.95602	0.00029
23.00	0.96128	0.00030
24.00	0.96632	0.00028
25.00	0.97062	0.00029
26.00	0.97446	0.00027
27.00	0.97804	0.00027
28.00	0.98200	0.00026
29.00	0.98513	0.00026
30.00	0.98713	0.00027
31.00	0.99006	0.00026
32.00	0.99281	0.00025
33.00	0.99454	0.00027
34.00	0.99686	0.00027
35.00	0.99892	0.00026
36.00	0.99959	0.00025
37.00	1.00147	0.00026
38.00	1.00275	0.00025
39.00	1.00482	0.00026
40.00	1.00516	0.00025

400		
14.00	0.91977	0.00037
14.50	0.92892	0.00034
15.00	0.93745	0.00034
15.50	0.94420	0.00034
16.00	0.95142	0.00035
16.50	0.95834	0.00034
17.00	0.96495	0.00034
17.50	0.96969	0.00034
18.00	0.97598	0.00034
18.50	0.97982	0.00033
19.00	0.98495	0.00033
19.50	0.98936	0.00033
20.00	0.99329	0.00032
20.50	0.99718	0.00033
21.00	1.00122	0.00032
21.50	1.00397	0.00031
22.00	1.00756	0.00031
22.50	1.01106	0.00029
23.00	1.01312	0.00031
23.50	1.01586	0.00032
24.00	1.01903	0.00031

500		
11.60	0.93868	0.00040
11.70	0.94064	0.00040
11.80	0.94317	0.00042
11.90	0.94750	0.00040
12.00	0.94914	0.00040
12.10	0.95159	0.00040
12.20	0.95495	0.00041
12.30	0.95766	0.00040
12.40	0.95974	0.00039
12.50	0.96227	0.00041
12.60	0.96512	0.00040
12.70	0.96795	0.00039
12.80	0.97012	0.00040
12.90	0.97248	0.00040
13.00	0.97464	0.00039
13.10	0.97658	0.00039
13.20	0.97978	0.00040
13.30	0.98148	0.00040
13.40	0.98331	0.00040
13.50	0.98588	0.00040
13.60	0.98812	0.00039
13.70	0.98957	0.00039
13.80	0.99204	0.00039
13.90	0.99327	0.00039
14.00	0.99637	0.00038
14.10	0.99837	0.00039
14.20	1.00073	0.00037
14.30	1.00183	0.00038
14.40	1.00412	0.00039

650		
9.00	0.90798	0.00047
9.10	0.91286	0.00048
9.20	0.91906	0.00048
9.30	0.92275	0.00047
9.40	0.92824	0.00048
9.50	0.93259	0.00046
9.60	0.93799	0.00046
9.70	0.94272	0.00046
9.80	0.94678	0.00048
9.90	0.95093	0.00045
10.00	0.95520	0.00047
10.10	0.95956	0.00046
10.20	0.96346	0.00046
10.30	0.96798	0.00046
10.40	0.97209	0.00045
10.50	0.97550	0.00046
10.60	0.97934	0.00046
10.70	0.98270	0.00045
10.80	0.98659	0.00046
10.90	0.99057	0.00045
11.00	0.99416	0.00043
11.10	0.99715	0.00044
11.20	1.00171	0.00046

800		
8.50	0.92750	0.00050
8.60	0.93239	0.00052
8.70	0.93886	0.00051
8.80	0.94392	0.00051
8.90	0.95074	0.00049
9.00	0.95600	0.00052
9.10	0.96102	0.00048
9.20	0.96677	0.00050
9.30	0.97275	0.00049
9.40	0.97637	0.00050
9.50	0.98168	0.00048
9.60	0.98615	0.00049
9.70	0.99134	0.00050
9.80	0.99454	0.00050
9.90	1.00061	0.00049
10.00	1.00520	0.00050
10.10	1.00930	0.00049
10.20	1.01313	0.00050
10.30	1.01717	0.00047
10.40	1.02263	0.00050
10.50	1.02523	0.00049

900		
8.00	0.91770	0.00052
8.10	0.92475	0.00052
8.20	0.93097	0.00051
8.30	0.93814	0.00052
8.40	0.94412	0.00053
8.50	0.95032	0.00053
8.60	0.95544	0.00052
8.70	0.96225	0.00050
8.80	0.96720	0.00051
8.90	0.97331	0.00051
9.00	0.97899	0.00053
9.10	0.98454	0.00051
9.20	0.99000	0.00052
9.30	0.99479	0.00051
9.40	1.00043	0.00052
9.50	1.00522	0.00050
9.60	1.01001	0.00052
9.70	1.01471	0.00052
9.80	1.01887	0.00050
9.90	1.02495	0.00052
10.00	1.02807	0.00052

1000		
8.00	0.93504	0.00052
8.05	0.93906	0.00052
8.10	0.94207	0.00053
8.15	0.94613	0.00053
8.20	0.94868	0.00055
8.25	0.95202	0.00055
8.30	0.95468	0.00056
8.35	0.95875	0.00056
8.40	0.96114	0.00051
8.45	0.96507	0.00054
8.50	0.96873	0.00054
8.55	0.97071	0.00052
8.60	0.97434	0.00052
8.65	0.97697	0.00052
8.70	0.97970	0.00052
8.75	0.98365	0.00054
8.80	0.98645	0.00053
8.85	0.98892	0.00053
8.90	0.99159	0.00053
8.95	0.99477	0.00052
9.00	0.99715	0.00053
9.05	1.00015	0.00050
9.10	1.00325	0.00053
9.15	1.00589	0.00052
9.20	1.00795	0.00052

1200		
7.50	0.92255	0.00056
7.55	0.92773	0.00057
7.60	0.93030	0.00058
7.65	0.93392	0.00055
7.70	0.93900	0.00055
7.75	0.94359	0.00056
7.80	0.94625	0.00054
7.85	0.94915	0.00055
7.90	0.95283	0.00056
7.95	0.95628	0.00055
8.00	0.96047	0.00054
8.05	0.96459	0.00054
8.10	0.96805	0.00056
8.15	0.96991	0.00054
8.20	0.97460	0.00058
8.25	0.97668	0.00055
8.30	0.98025	0.00056
8.35	0.98312	0.00057
8.40	0.98621	0.00056
8.45	0.99034	0.00056
8.50	0.99443	0.00055
8.55	0.99632	0.00054
8.60	1.00053	0.00054
8.65	1.00311	0.00055
8.70	1.00546	0.00056
8.75	1.00837	0.00054
8.80	1.01216	0.00055

1500		
7.30	0.92802	0.00057
7.35	0.93238	0.00058
7.40	0.93484	0.00058
7.45	0.93912	0.00059
7.50	0.94318	0.00058
7.55	0.94754	0.00057
7.60	0.95165	0.00059
7.65	0.95518	0.00058
7.70	0.95788	0.00057
7.75	0.96255	0.00056
7.80	0.96680	0.00057
7.85	0.96888	0.00059
7.90	0.97396	0.00055
7.95	0.97810	0.00057
8.00	0.98153	0.00058
8.05	0.98472	0.00059
8.10	0.98620	0.00056
8.15	0.99187	0.00058
8.20	0.99489	0.00055
8.25	0.99846	0.00057
8.30	1.00282	0.00058
8.35	1.00545	0.00057
8.40	1.00893	0.00060
8.45	1.01231	0.00055
8.50	1.01468	0.00057

1700		
7.20	0.92447	0.00058
7.25	0.92913	0.00058
7.30	0.93337	0.00061
7.35	0.93713	0.00058
7.40	0.94213	0.00058
7.45	0.94614	0.00058
7.50	0.94995	0.00059
7.55	0.95385	0.00061
7.60	0.95715	0.00060
7.65	0.96115	0.00060
7.70	0.96573	0.00059
7.75	0.96899	0.00058
7.80	0.97351	0.00059
7.85	0.97632	0.00059
7.90	0.97908	0.00059
7.95	0.98472	0.00058
8.00	0.98813	0.00059
8.05	0.99082	0.00057
8.10	0.99493	0.00059
8.15	0.99860	0.00058
8.20	1.00101	0.00057
8.25	1.00519	0.00061
8.30	1.00923	0.00058

1900		
7.30	0.93467	0.00058
7.35	0.93989	0.00058
7.40	0.94247	0.00059
7.45	0.94808	0.00060
7.50	0.95134	0.00060
7.55	0.95506	0.00061
7.60	0.95992	0.00062
7.65	0.96305	0.00059
7.70	0.96798	0.00060
7.75	0.97116	0.00060
7.80	0.97498	0.00059
7.85	0.97922	0.00058
7.90	0.98288	0.00057
7.95	0.98617	0.00060
8.00	0.99022	0.00059
8.05	0.99367	0.00060
8.10	0.99781	0.00058
8.15	1.00072	0.00060
8.20	1.00529	0.00061
8.25	1.00836	0.00061
8.30	1.01161	0.00059

2000			2100			2500		
7.30	0.93527	0.00060	7.30	0.93460	0.00060	7.40	0.93714	0.00062
7.35	0.93955	0.00058	7.35	0.93884	0.00058	7.45	0.94066	0.00060
7.40	0.94376	0.00059	7.40	0.94289	0.00063	7.50	0.94498	0.00060
7.45	0.94800	0.00058	7.45	0.94664	0.00061	7.55	0.94878	0.00061
7.50	0.95200	0.00059	7.50	0.95202	0.00062	7.60	0.95377	0.00059
7.55	0.95648	0.00058	7.55	0.95521	0.00058	7.65	0.95783	0.00059
7.60	0.95978	0.00061	7.60	0.95991	0.00061	7.70	0.96159	0.00062
7.65	0.96397	0.00058	7.65	0.96256	0.00058	7.75	0.96485	0.00063
7.70	0.96728	0.00057	7.70	0.96764	0.00060	7.80	0.96772	0.00058
7.75	0.97272	0.00058	7.75	0.97238	0.00059	7.85	0.97242	0.00061
7.80	0.97483	0.00060	7.80	0.97562	0.00060	7.90	0.97585	0.00061
7.85	0.97976	0.00061	7.85	0.97887	0.00059	7.95	0.97973	0.00062
7.90	0.98388	0.00059	7.90	0.98205	0.00058	8.00	0.98404	0.00059
7.95	0.98621	0.00062	7.95	0.98697	0.00062	8.05	0.98741	0.00060
8.00	0.99109	0.00060	8.00	0.99012	0.00060	8.10	0.99160	0.00061
8.05	0.99337	0.00059	8.05	0.99410	0.00060	8.15	0.99324	0.00061
8.10	0.99833	0.00059	8.10	0.99720	0.00060	8.20	0.99852	0.00060
8.15	1.00150	0.00060	8.15	1.00140	0.00060	8.25	1.00127	0.00059
8.20	1.00457	0.00060	8.20	1.00419	0.00060	8.30	1.00421	0.00062
8.25	1.00873	0.00060	8.25	1.00769	0.00059	8.35	1.00891	0.00060
8.30	1.01075	0.00059	8.30	1.01195	0.00063	8.40	1.01182	0.00061

3000			4000			5000		
7.60	0.93634	0.00060	8.20	0.93502	0.00060	9.00	0.92799	0.00058
7.65	0.94063	0.00059	8.25	0.93929	0.00059	9.10	0.93410	0.00057
7.70	0.94445	0.00063	8.30	0.94130	0.00063	9.20	0.93876	0.00056
7.75	0.95003	0.00062	8.35	0.94517	0.00060	9.30	0.94479	0.00056
7.80	0.95315	0.00061	8.40	0.94830	0.00060	9.40	0.95046	0.00057
7.85	0.95590	0.00060	8.45	0.95124	0.00061	9.50	0.95549	0.00058
7.90	0.96051	0.00059	8.50	0.95582	0.00060	9.60	0.96120	0.00056
7.95	0.96471	0.00060	8.55	0.95970	0.00059	9.70	0.96630	0.00055
8.00	0.96824	0.00061	8.60	0.96236	0.00059	9.80	0.97192	0.00059
8.05	0.97134	0.00062	8.65	0.96479	0.00061	9.90	0.97570	0.00058
8.10	0.97388	0.00062	8.70	0.96843	0.00060	10.00	0.98101	0.00056
8.15	0.97931	0.00062	8.75	0.97116	0.00059	10.10	0.98700	0.00059
8.20	0.98159	0.00059	8.80	0.97448	0.00060	10.20	0.98987	0.00056
8.25	0.98593	0.00061	8.85	0.97809	0.00057	10.30	0.99610	0.00058
8.30	0.98995	0.00059	8.90	0.98127	0.00059	10.40	0.99914	0.00060
8.35	0.99203	0.00059	8.95	0.98393	0.00060	10.50	1.00412	0.00059
8.40	0.99661	0.00063	9.00	0.98598	0.00060	10.60	1.00901	0.00058
8.45	0.99885	0.00062	9.05	0.99081	0.00058	10.70	1.01372	0.00060
8.50	1.00232	0.00063	9.10	0.99374	0.00063	10.80	1.01816	0.00058
8.55	1.00501	0.00062	9.15	0.99597	0.00060	10.90	1.02271	0.00059
8.60	1.00875	0.00058	9.20	0.99781	0.00059	11.00	1.02583	0.00058
			9.25	1.00042	0.00061			
			9.30	1.00411	0.00061			

6000			7000			7500		
10.40	0.93347	0.00056	12.40	0.93431	0.00054	14.00	0.93968	0.00051
10.60	0.94214	0.00055	12.50	0.93551	0.00051	14.20	0.94374	0.00050
10.80	0.94929	0.00057	12.60	0.94012	0.00054	14.40	0.94834	0.00052
11.00	0.95812	0.00058	12.70	0.94326	0.00053	14.60	0.95273	0.00050
11.20	0.96657	0.00055	12.80	0.94583	0.00051	14.80	0.95759	0.00053
11.40	0.97285	0.00055	12.90	0.94895	0.00053	15.00	0.96185	0.00051
11.60	0.98085	0.00056	13.00	0.95198	0.00051	15.20	0.96653	0.00050
11.80	0.98789	0.00057	13.10	0.95463	0.00053	15.40	0.96969	0.00046
12.00	0.99531	0.00054	13.20	0.95736	0.00053	15.60	0.97468	0.00049
12.20	1.00190	0.00056	13.40	0.96305	0.00054	15.80	0.97754	0.00051
12.40	1.00893	0.00055	13.50	0.96495	0.00053	16.00	0.98075	0.00050
12.80	1.02126	0.00054	13.60	0.96850	0.00051	16.20	0.98527	0.00048
13.00	1.02603	0.00056	13.70	0.97049	0.00053	16.40	0.98838	0.00051
13.20	1.03236	0.00054	13.80	0.97444	0.00051	16.60	0.99255	0.00048
13.40	1.03860	0.00057	13.90	0.97612	0.00053	16.80	0.99605	0.00050
13.60	1.04404	0.00057	14.00	0.97862	0.00053	17.00	0.99909	0.00052
			14.10	0.98104	0.00052	17.20	1.00221	0.00049
			14.30	0.98675	0.00052	17.40	1.00573	0.00048
			14.40	0.98856	0.00052	17.60	1.00724	0.00050
			14.50	0.99025	0.00054	17.80	1.01209	0.00049
			14.60	0.99253	0.00052	18.00	1.01428	0.00049
			14.70	0.99462	0.00052			
			14.80	0.99778	0.00052			
			15.00	1.00233	0.00050			
			15.10	1.00363	0.00050			
			15.20	1.00620	0.00053			

8000			9000			10000		
16.00	0.93974	0.00048	22.00	0.93126	0.00045	999.98	0.96763	0.00034
16.20	0.94430	0.00045	23.00	0.94034	0.00043	999.99	0.96763	0.00034
16.40	0.94717	0.00048	24.00	0.94816	0.00044			
16.60	0.95109	0.00046	25.00	0.95521	0.00042			
16.80	0.95424	0.00049	26.00	0.96119	0.00044			
17.00	0.95728	0.00049	27.00	0.96717	0.00043			
17.20	0.96108	0.00049	28.00	0.97175	0.00041			
17.40	0.96417	0.00047	29.00	0.97659	0.00041			
17.60	0.96746	0.00048	30.00	0.98152	0.00041			
17.80	0.96966	0.00047	31.00	0.98399	0.00041			
18.00	0.97163	0.00048	32.00	0.98882	0.00041			
18.20	0.97638	0.00048	33.00	0.99209	0.00042			
18.40	0.97844	0.00048	34.00	0.99456	0.00041			
18.60	0.97996	0.00046	35.00	0.99732	0.00040			
18.80	0.98451	0.00049	36.00	1.00078	0.00040			
19.00	0.98702	0.00046	37.00	1.00327	0.00042			
19.20	0.98846	0.00048	38.00	1.00532	0.00041			
19.40	0.99117	0.00047	39.00	1.00759	0.00040			
19.60	0.99245	0.00048	40.00	1.00961	0.00042			
19.80	0.99525	0.00048						
20.00	0.99760	0.00048						
20.20	0.99976	0.00045						
20.40	1.00249	0.00049						
20.60	1.00416	0.00048						
20.80	1.00662	0.00048						
21.00	1.00763	0.00048						

15000			18900		
999.98	0.84164	0.00027	999.98	0.84226	0.00026
999.99	0.84164	0.00027	999.99	0.84226	0.00026

sumtable.u5o2-pl-0050-01

	20			25			30	
999.98	0.13061	0.00003	999.98	0.16029	0.00004	999.98	0.18898	0.00005
999.99	0.13061	0.00003	999.99	0.16029	0.00004	999.99	0.18898	0.00005
	40			45			50	
999.98	0.24336	0.00006	999.98	0.26913	0.00007	999.98	0.29416	0.00007
999.99	0.24336	0.00006	999.99	0.26913	0.00007	999.99	0.29416	0.00007
	55			60			65	
999.98	0.31838	0.00007	999.98	0.34172	0.00008	999.98	0.36446	0.00008
999.99	0.31838	0.00007	999.99	0.34172	0.00008	999.99	0.36446	0.00008
	70			80			100	
999.98	0.38629	0.00009	999.98	0.42848	0.00010	999.98	0.50527	0.00010
999.99	0.38629	0.00009	999.99	0.42848	0.00010	999.99	0.50527	0.00010
	130			150			170	
999.98	0.60544	0.00013	999.98	0.66419	0.00014	999.98	0.71704	0.00014
999.99	0.60544	0.00013	999.99	0.66419	0.00014	999.99	0.71704	0.00014
	200			350			400	
999.98	0.78767	0.00016	18.00	0.93822	0.00029	13.50	0.93776	0.00035
999.99	0.78767	0.00016	19.00	0.94599	0.00029	13.75	0.94207	0.00035
			20.00	0.95256	0.00029	14.00	0.94540	0.00033
			21.00	0.95860	0.00029	14.25	0.95056	0.00034
			22.00	0.96448	0.00029	14.50	0.95257	0.00032
			23.00	0.96856	0.00028	14.75	0.95563	0.00034
			24.00	0.97304	0.00028	15.00	0.95890	0.00034
			25.00	0.97681	0.00027	15.25	0.96240	0.00032
			26.00	0.98064	0.00027	15.50	0.96499	0.00033
			27.00	0.98430	0.00026	15.75	0.96873	0.00032
			28.00	0.98576	0.00027	16.00	0.97100	0.00034
			29.00	0.98876	0.00026	16.25	0.97295	0.00033
			30.00	0.99122	0.00026	16.50	0.97659	0.00033
			31.00	0.99316	0.00025	16.75	0.97837	0.00033
			32.00	0.99548	0.00026	17.00	0.98068	0.00032
			33.00	0.99768	0.00026	17.25	0.98379	0.00032
			34.00	0.99955	0.00024	17.50	0.98538	0.00032
			35.00	1.00067	0.00025	17.75	0.98809	0.00030
			36.00	1.00184	0.00025	18.00	0.98987	0.00031
						18.25	0.99249	0.00032
						18.50	0.99425	0.00032
						18.75	0.99520	0.00033
						19.00	0.99772	0.00031
						19.25	0.99932	0.00031
						19.50	1.00098	0.00031
						19.75	1.00263	0.00031
						20.00	1.00504	0.00031

500			650			800		
10.00	0.93702	0.00039	8.00	0.93689	0.00046	7.00	0.93325	0.00048
10.10	0.93968	0.00039	8.05	0.93931	0.00044	7.10	0.93864	0.00052
10.20	0.94270	0.00041	8.10	0.94139	0.00046	7.20	0.94410	0.00049
10.30	0.94636	0.00040	8.15	0.94278	0.00046	7.30	0.94982	0.00047
10.40	0.94772	0.00040	8.20	0.94579	0.00046	7.40	0.95453	0.00049
10.50	0.95075	0.00039	8.25	0.94854	0.00045	7.50	0.96147	0.00050
10.60	0.95481	0.00038	8.30	0.95146	0.00045	7.60	0.96549	0.00051
10.70	0.95709	0.00040	8.35	0.95319	0.00045	7.70	0.97145	0.00049
10.80	0.95946	0.00040	8.40	0.95535	0.00045	7.80	0.97536	0.00049
10.90	0.96198	0.00040	8.45	0.95639	0.00044	7.90	0.98081	0.00048
11.00	0.96433	0.00038	8.50	0.95864	0.00045	8.00	0.98574	0.00048
11.10	0.96643	0.00039	8.55	0.96052	0.00045	8.10	0.99082	0.00045
11.20	0.96970	0.00039	8.60	0.96296	0.00046	8.20	0.99456	0.00049
11.30	0.97185	0.00040	8.65	0.96454	0.00046	8.30	1.00026	0.00049
11.40	0.97474	0.00038	8.70	0.96676	0.00043	8.40	1.00450	0.00050
11.50	0.97692	0.00039	8.75	0.96905	0.00045	8.50	1.00841	0.00046
11.60	0.97876	0.00038	8.80	0.97130	0.00043	8.60	1.01247	0.00048
11.70	0.98058	0.00038	8.85	0.97379	0.00044	8.70	1.01748	0.00048
11.80	0.98295	0.00039	8.90	0.97541	0.00046	8.80	1.02046	0.00047
11.90	0.98539	0.00039	8.95	0.97644	0.00044	8.90	1.02599	0.00045
12.00	0.98779	0.00039	9.00	0.97965	0.00045	9.00	1.02911	0.00048
12.10	0.98958	0.00038	9.05	0.98031	0.00044	9.10	1.03313	0.00047
12.20	0.99187	0.00038	9.10	0.98208	0.00044	9.20	1.03718	0.00047
12.30	0.99396	0.00039	9.15	0.98496	0.00044			
12.40	0.99597	0.00038	9.20	0.98692	0.00044			
12.50	0.99711	0.00037	9.25	0.98812	0.00044			
12.60	0.99916	0.00037	9.30	0.98954	0.00043			
12.70	1.00039	0.00038	9.35	0.99090	0.00045			
12.80	1.00281	0.00038	9.40	0.99339	0.00044			
12.90	1.00529	0.00037	9.45	0.99571	0.00044			
13.00	1.00713	0.00037	9.50	0.99690	0.00044			
			9.55	0.99943	0.00042			
			9.60	1.00082	0.00045			
			9.65	1.00215	0.00043			
			9.70	1.00313	0.00043			
			9.75	1.00537	0.00045			
			9.80	1.00640	0.00042			

900			1000			1200		
6.50	0.92416	0.00050	6.40	0.93511	0.00053	6.00	0.93289	0.00055
6.55	0.92785	0.00051	6.45	0.93886	0.00052	6.05	0.93687	0.00055
6.60	0.93113	0.00050	6.50	0.94269	0.00054	6.10	0.94123	0.00056
6.65	0.93393	0.00051	6.55	0.94559	0.00053	6.15	0.94516	0.00053
6.70	0.93814	0.00048	6.60	0.94962	0.00051	6.20	0.94741	0.00056
6.75	0.94077	0.00051	6.65	0.95301	0.00052	6.25	0.95151	0.00055
6.80	0.94450	0.00051	6.70	0.95623	0.00053	6.30	0.95538	0.00054
6.85	0.94850	0.00050	6.75	0.95963	0.00051	6.35	0.95793	0.00054
6.90	0.95014	0.00049	6.80	0.96196	0.00053	6.40	0.96290	0.00055
6.95	0.95360	0.00053	6.85	0.96530	0.00052	6.45	0.96667	0.00053
7.00	0.95581	0.00051	6.90	0.96896	0.00052	6.50	0.96920	0.00054
7.05	0.95921	0.00049	6.95	0.97175	0.00051	6.55	0.97167	0.00055
7.10	0.96216	0.00050	7.00	0.97468	0.00053	6.60	0.97630	0.00055
7.15	0.96440	0.00049	7.05	0.97790	0.00052	6.65	0.97906	0.00054
7.20	0.96655	0.00050	7.10	0.97997	0.00052	6.70	0.98284	0.00055
7.25	0.97066	0.00050	7.15	0.98410	0.00051	6.75	0.98567	0.00052
7.30	0.97435	0.00051	7.20	0.98617	0.00052	6.80	0.98951	0.00056
7.35	0.97634	0.00051	7.25	0.98998	0.00052	6.85	0.99143	0.00053

7.40	0.97874	0.00049
7.45	0.98116	0.00052
7.50	0.98486	0.00049
7.55	0.98641	0.00049
7.60	0.98888	0.00049
7.65	0.99249	0.00052
7.70	0.99562	0.00049
7.75	0.99749	0.00050
7.80	0.99991	0.00052
7.85	1.00255	0.00049
7.90	1.00544	0.00050
7.95	1.00762	0.00049
8.00	1.01024	0.00048

7.30	0.99239	0.00050
7.35	0.99479	0.00050
7.40	0.99853	0.00052
7.45	1.00039	0.00051
7.50	1.00436	0.00051
7.55	1.00648	0.00054
7.60	1.00840	0.00052

6.90	0.99561	0.00052
6.95	0.99768	0.00054
7.00	1.00207	0.00053
7.05	1.00599	0.00055
7.10	1.00790	0.00054
7.15	1.01008	0.00054
7.20	1.01302	0.00054
7.25	1.01707	0.00054
7.30	1.01958	0.00054

1500

5.80	0.93900	0.00055
5.85	0.94331	0.00056
5.90	0.94759	0.00056
5.95	0.95116	0.00056
6.00	0.95535	0.00057
6.05	0.95919	0.00058
6.10	0.96281	0.00056
6.15	0.96566	0.00055
6.20	0.96907	0.00058
6.25	0.97360	0.00056
6.30	0.97728	0.00055
6.35	0.98144	0.00057
6.40	0.98445	0.00054
6.45	0.98882	0.00058
6.50	0.99098	0.00057
6.55	0.99401	0.00056
6.60	0.99898	0.00056
6.65	1.00236	0.00055
6.70	1.00526	0.00060

1700

5.70	0.93850	0.00059
5.75	0.94133	0.00056
5.80	0.94592	0.00056
5.85	0.95017	0.00057
5.90	0.95484	0.00056
5.95	0.95896	0.00056
6.00	0.96228	0.00055
6.05	0.96636	0.00055
6.10	0.97070	0.00055
6.15	0.97429	0.00058
6.20	0.97838	0.00058
6.25	0.98146	0.00055
6.30	0.98449	0.00060
6.35	0.98870	0.00058
6.40	0.99118	0.00056
6.45	0.99597	0.00058
6.50	1.00017	0.00057
6.55	1.00296	0.00055
6.60	1.00632	0.00058

1900

5.60	0.93429	0.00058
5.65	0.93733	0.00058
5.70	0.94237	0.00056
5.75	0.94694	0.00059
5.80	0.95130	0.00056
5.85	0.95557	0.00056
5.90	0.95854	0.00057
5.95	0.96182	0.00057
6.00	0.96577	0.00055
6.05	0.97030	0.00057
6.10	0.97339	0.00055
6.15	0.97803	0.00056
6.20	0.98196	0.00057
6.25	0.98519	0.00058
6.30	0.98945	0.00059
6.35	0.99298	0.00058
6.40	0.99656	0.00060
6.45	1.00035	0.00058
6.50	1.00231	0.00057
6.55	1.00634	0.00059
6.60	1.01104	0.00057

2000

5.60	0.93477	0.00057
5.65	0.93903	0.00057
5.70	0.94335	0.00059
5.75	0.94781	0.00059
5.80	0.95046	0.00058
5.85	0.95607	0.00058
5.90	0.95958	0.00057
5.95	0.96306	0.00058
6.00	0.96785	0.00060
6.05	0.97228	0.00061
6.10	0.97431	0.00057
6.15	0.97907	0.00057
6.20	0.98334	0.00060
6.25	0.98555	0.00058
6.35	0.99270	0.00056
6.40	0.99675	0.00056
6.45	1.00000	0.00057
6.50	1.00420	0.00058
6.55	1.00756	0.00061
6.60	1.01079	0.00056

2100

5.60	0.93376	0.00058
5.65	0.93969	0.00059
5.70	0.94345	0.00059
5.75	0.94771	0.00058
5.80	0.95143	0.00059
5.85	0.95537	0.00059
5.90	0.95972	0.00057
5.95	0.96384	0.00057
6.00	0.96770	0.00058
6.05	0.97130	0.00057
6.10	0.97486	0.00058
6.15	0.97918	0.00055
6.20	0.98237	0.00058
6.25	0.98710	0.00055
6.30	0.98973	0.00059
6.35	0.99355	0.00058
6.40	0.99784	0.00057
6.45	1.00102	0.00060
6.50	1.00385	0.00059

2500

5.70	0.93984	0.00059
5.75	0.94331	0.00061
5.80	0.94628	0.00059
5.85	0.95144	0.00060
5.90	0.95507	0.00060
5.95	0.95949	0.00060
6.00	0.96350	0.00060
6.05	0.96634	0.00056
6.10	0.97074	0.00056
6.15	0.97428	0.00058
6.20	0.97740	0.00058
6.25	0.98287	0.00059
6.30	0.98567	0.00059
6.35	0.98860	0.00058
6.40	0.99272	0.00059
6.45	0.99664	0.00060
6.50	1.00035	0.00058

3000			4000			5000		
5.70	0.92634	0.00058	6.40	0.93860	0.00060	7.20	0.93482	0.00059
5.75	0.92933	0.00060	6.45	0.94217	0.00058	7.25	0.93813	0.00058
5.80	0.93521	0.00057	6.50	0.94538	0.00059	7.30	0.94093	0.00057
5.85	0.93797	0.00058	6.55	0.94834	0.00059	7.35	0.94352	0.00060
5.90	0.94310	0.00060	6.60	0.95106	0.00059	7.40	0.94669	0.00058
5.95	0.94616	0.00062	6.65	0.95436	0.00060	7.45	0.94930	0.00060
6.00	0.94996	0.00057	6.70	0.95737	0.00057	7.50	0.95033	0.00059
6.05	0.95281	0.00060	6.75	0.96178	0.00058	7.55	0.95465	0.00060
6.10	0.95646	0.00058	6.80	0.96458	0.00061	7.60	0.95597	0.00059
6.15	0.96046	0.00059	6.85	0.96764	0.00059	7.65	0.96031	0.00056
6.20	0.96402	0.00058	6.90	0.97038	0.00059	7.70	0.96169	0.00058
6.25	0.96849	0.00060	6.95	0.97340	0.00059	7.75	0.96500	0.00055
6.30	0.97220	0.00061	7.00	0.97657	0.00058	7.80	0.96773	0.00059
6.35	0.97621	0.00058	7.05	0.97957	0.00063	7.85	0.97028	0.00057
6.40	0.97812	0.00059	7.10	0.98269	0.00059	7.90	0.97299	0.00060
6.45	0.98265	0.00058	7.15	0.98492	0.00060	7.95	0.97526	0.00057
6.50	0.98614	0.00059	7.20	0.98840	0.00058	8.00	0.97670	0.00058
6.55	0.98928	0.00060	7.25	0.99223	0.00059	8.05	0.97999	0.00057
6.60	0.99305	0.00058	7.30	0.99420	0.00056	8.10	0.98217	0.00058
6.65	0.99626	0.00060	7.35	0.99682	0.00058	8.15	0.98342	0.00057
6.70	0.99883	0.00058	7.40	1.00089	0.00060	8.20	0.98694	0.00057
6.75	1.00349	0.00058	7.45	1.00284	0.00059	8.25	0.98930	0.00058
6.80	1.00571	0.00059	7.50	1.00633	0.00060	8.30	0.99255	0.00059
						8.35	0.99341	0.00058
						8.40	0.99549	0.00056
						8.45	0.99837	0.00058
						8.50	1.00024	0.00059
						8.55	1.00233	0.00059
						8.60	1.00458	0.00057

6000			7000			7500		
8.50	0.93845	0.00055	10.40	0.93811	0.00051	11.00	0.91840	0.00053
8.60	0.94161	0.00056	10.50	0.94047	0.00053	11.20	0.92263	0.00052
8.70	0.94604	0.00057	10.60	0.94427	0.00053	11.40	0.92849	0.00050
8.80	0.95079	0.00053	10.70	0.94665	0.00053	11.60	0.93268	0.00051
8.90	0.95498	0.00056	10.80	0.94939	0.00052	11.80	0.93790	0.00052
9.00	0.95816	0.00056	10.90	0.95205	0.00052	12.00	0.94339	0.00049
9.10	0.96185	0.00056	11.00	0.95580	0.00055	12.20	0.94689	0.00048
9.20	0.96675	0.00054	11.10	0.95766	0.00053	12.40	0.95188	0.00051
9.30	0.96993	0.00058	11.20	0.96025	0.00053	12.60	0.95733	0.00053
9.40	0.97461	0.00058	11.30	0.96335	0.00052	12.80	0.96075	0.00050
9.50	0.97857	0.00054	11.40	0.96706	0.00053	13.00	0.96516	0.00052
9.60	0.98076	0.00060	11.50	0.96829	0.00051	13.20	0.96855	0.00052
9.70	0.98457	0.00056	11.60	0.97112	0.00054	13.40	0.97367	0.00050
9.80	0.98903	0.00056	11.70	0.97387	0.00053	13.60	0.97718	0.00052
9.90	0.99263	0.00056	11.80	0.97606	0.00051	13.80	0.98003	0.00051
10.00	0.99589	0.00058	11.90	0.97927	0.00050	14.00	0.98367	0.00050
10.10	0.99824	0.00055	12.00	0.98116	0.00053	14.20	0.98816	0.00050
10.20	1.00235	0.00055	12.10	0.98401	0.00054	14.40	0.99194	0.00051
10.30	1.00443	0.00056	12.20	0.98592	0.00052	14.60	0.99479	0.00051
10.40	1.00764	0.00056	12.30	0.98790	0.00052	14.80	0.99845	0.00049
10.50	1.01147	0.00053	12.40	0.99107	0.00052	15.00	1.00159	0.00050
			12.50	0.99352	0.00053	15.20	1.00499	0.00050
			12.60	0.99365	0.00051	15.40	1.00763	0.00050
			12.70	0.99712	0.00055			
			12.80	0.99997	0.00054			
			12.90	1.00265	0.00052			
			13.00	1.00334	0.00053			
			13.10	1.00570	0.00053			
			13.20	1.00865	0.00053			

8000			9000			10000		
13.60	0.93778	0.00049	20.00	0.93533	0.00044	999.98	0.96763	0.00034
13.80	0.94086	0.00051	20.50	0.93966	0.00044	999.99	0.96763	0.00034
14.00	0.94464	0.00048	21.00	0.94415	0.00042			
14.20	0.94846	0.00051	21.50	0.94778	0.00043			
14.40	0.95096	0.00051	22.00	0.95095	0.00044			
14.60	0.95448	0.00052	22.50	0.95400	0.00043			
14.80	0.95770	0.00049	23.00	0.95721	0.00043			
15.00	0.96197	0.00049	23.50	0.96063	0.00044			
15.20	0.96438	0.00049	24.00	0.96323	0.00044			
15.40	0.96738	0.00046	24.50	0.96619	0.00043			
15.60	0.97188	0.00049	25.00	0.96941	0.00043			
15.80	0.97333	0.00050	25.50	0.97160	0.00042			
16.00	0.97643	0.00048	26.00	0.97515	0.00044			
16.20	0.97895	0.00048	26.50	0.97623	0.00041			
16.40	0.98174	0.00048	27.00	0.97902	0.00041			
16.60	0.98338	0.00049	27.50	0.98073	0.00041			
16.80	0.98649	0.00050	28.00	0.98334	0.00042			
17.00	0.99010	0.00049	28.50	0.98477	0.00042			
17.20	0.99125	0.00048	29.00	0.98633	0.00043			
17.40	0.99406	0.00050	29.50	0.98862	0.00039			
17.60	0.99674	0.00047	30.00	0.99080	0.00042			
17.80	0.99826	0.00048	30.50	0.99127	0.00043			
18.00	1.00082	0.00046	31.00	0.99275	0.00042			
18.20	1.00207	0.00049	31.50	0.99462	0.00043			
18.40	1.00444	0.00048	32.00	0.99642	0.00041			
			32.50	0.99750	0.00042			
			33.00	0.99854	0.00042			
			33.50	1.00052	0.00041			
			34.00	1.00095	0.00043			
			34.50	1.00248	0.00043			
			35.00	1.00398	0.00043			

15000			18900		
999.98	0.84164	0.00027	999.98	0.84226	0.00026
999.99	0.84164	0.00027	999.99	0.84226	0.00026

sumtable.u5o2-pl-0050-10

20			25			30		
999.98	0.13061	0.00003	999.98	0.16029	0.00004	999.98	0.18898	0.00005
999.99	0.13061	0.00003	999.99	0.16029	0.00004	999.99	0.18898	0.00005
40			45			50		
999.98	0.24336	0.00006	999.98	0.26913	0.00007	999.98	0.29416	0.00007
999.99	0.24336	0.00006	999.99	0.26913	0.00007	999.99	0.29416	0.00007
55			60			65		
999.98	0.31838	0.00007	999.98	0.34172	0.00008	999.98	0.36446	0.00008
999.99	0.31838	0.00007	999.99	0.34172	0.00008	999.99	0.36446	0.00008

70			80			100		
999.98	0.38629	0.00009	999.98	0.42848	0.00010	999.98	0.50527	0.00010
999.99	0.38629	0.00009	999.99	0.42848	0.00010	999.99	0.50527	0.00010

130			150			170		
999.98	0.60544	0.00013	999.98	0.66419	0.00014	999.98	0.71704	0.00014
999.99	0.60544	0.00013	999.99	0.66419	0.00014	999.99	0.71704	0.00014

200			350			400		
999.98	0.78767	0.00016	15.00	0.92172	0.00030	10.00	0.89444	0.00034
999.99	0.78767	0.00016	16.00	0.93236	0.00030	10.50	0.90551	0.00034
			17.00	0.93987	0.00028	11.00	0.91507	0.00033
			18.00	0.94741	0.00029	11.50	0.92487	0.00034
			19.00	0.95410	0.00029	12.00	0.93293	0.00034
			20.00	0.95948	0.00028	12.50	0.94141	0.00034
			21.00	0.96508	0.00027	13.00	0.94835	0.00033
			22.00	0.96975	0.00028	13.50	0.95436	0.00033
			23.00	0.97345	0.00028	14.00	0.96195	0.00032
			24.00	0.97816	0.00026	14.50	0.96752	0.00032
			25.00	0.98107	0.00028	15.00	0.97257	0.00032
			26.00	0.98404	0.00027	15.50	0.97808	0.00031
			27.00	0.98681	0.00026	16.00	0.98295	0.00031
			28.00	0.98880	0.00025	16.50	0.98757	0.00031
			29.00	0.99150	0.00025	17.00	0.99080	0.00031
			30.00	0.99414	0.00026	17.50	0.99583	0.00031
			31.00	0.99617	0.00025	18.00	0.99933	0.00029
			32.00	0.99768	0.00026	18.50	1.00298	0.00030
			33.00	0.99948	0.00025	19.00	1.00596	0.00030
			34.00	1.00078	0.00025	19.50	1.00990	0.00030
			35.00	1.00250	0.00025	20.00	1.01184	0.00029
						20.50	1.01513	0.00029
						21.00	1.01726	0.00030
						21.50	1.02028	0.00030
						22.00	1.02272	0.00028
						22.50	1.02452	0.00029
						23.00	1.02682	0.00028
						23.50	1.02875	0.00027
						24.00	1.03032	0.00028
						24.50	1.03245	0.00028
						25.00	1.03369	0.00028
						25.50	1.03593	0.00027
						26.00	1.03720	0.00027
						26.50	1.03871	0.00027
						27.00	1.03942	0.00027

500			650			800		
8.00	0.91159	0.00038	6.60	0.92977	0.00043	5.80	0.93740	0.00047
8.20	0.91845	0.00038	6.70	0.93531	0.00045	5.85	0.94059	0.00044
8.40	0.92565	0.00039	6.80	0.93946	0.00043	5.90	0.94436	0.00046
8.60	0.93156	0.00037	6.90	0.94394	0.00043	5.95	0.94699	0.00044
8.80	0.93709	0.00038	7.00	0.94805	0.00043	6.00	0.95004	0.00046
9.00	0.94378	0.00037	7.10	0.95399	0.00042	6.05	0.95188	0.00046
9.20	0.94893	0.00039	7.20	0.95745	0.00042	6.10	0.95493	0.00043
9.40	0.95449	0.00039	7.30	0.96201	0.00042	6.15	0.95744	0.00044
9.60	0.96041	0.00039	7.40	0.96574	0.00041	6.20	0.95982	0.00047
9.80	0.96487	0.00037	7.50	0.96949	0.00042	6.25	0.96256	0.00047
10.00	0.97000	0.00038	7.60	0.97337	0.00042	6.30	0.96514	0.00046
10.20	0.97500	0.00037	7.70	0.97761	0.00043	6.35	0.96842	0.00045

10.40	0.97889	0.00037
10.60	0.98358	0.00037
10.80	0.98762	0.00038
11.00	0.99238	0.00035
11.20	0.99608	0.00037
11.40	1.00023	0.00036
11.60	1.00393	0.00036
11.80	1.00800	0.00036
12.00	1.01118	0.00036

7.80	0.98146	0.00043
7.90	0.98576	0.00043
8.00	0.98841	0.00042
8.10	0.99251	0.00041
8.20	0.99553	0.00042
8.30	0.99982	0.00042
8.40	1.00322	0.00041
8.50	1.00600	0.00041
8.60	1.00934	0.00042

6.40	0.97146	0.00047
6.45	0.97433	0.00046
6.50	0.97528	0.00046
6.55	0.97798	0.00045
6.60	0.98106	0.00045
6.65	0.98355	0.00044
6.70	0.98680	0.00046
6.75	0.98931	0.00045
6.80	0.99129	0.00044
6.85	0.99371	0.00045
6.90	0.99525	0.00046
6.95	0.99775	0.00046
7.00	1.00070	0.00044
7.05	1.00262	0.00045
7.10	1.00437	0.00043
7.15	1.00636	0.00045
7.20	1.00894	0.00046

900

5.40	0.93759	0.00047
5.45	0.94047	0.00047
5.50	0.94400	0.00047
5.55	0.94824	0.00048
5.60	0.95080	0.00048
5.65	0.95398	0.00048
5.70	0.95693	0.00047
5.75	0.96002	0.00046
5.80	0.96332	0.00047
5.85	0.96630	0.00048
5.90	0.96970	0.00047
5.95	0.97242	0.00046
6.00	0.97443	0.00047
6.05	0.97749	0.00046
6.10	0.98048	0.00048
6.15	0.98271	0.00047
6.20	0.98638	0.00049
6.25	0.98884	0.00046
6.30	0.99192	0.00047
6.35	0.99417	0.00046
6.40	0.99632	0.00047
6.45	0.99963	0.00047
6.50	1.00059	0.00046
6.55	1.00447	0.00048
6.60	1.00607	0.00046
6.65	1.00897	0.00046
6.70	1.01212	0.00046
6.75	1.01386	0.00047
6.80	1.01571	0.00047

1000

5.10	0.93873	0.00049
5.15	0.94154	0.00048
5.20	0.94535	0.00048
5.25	0.94915	0.00049
5.30	0.95242	0.00049
5.35	0.95478	0.00049
5.40	0.95918	0.00050
5.45	0.96127	0.00049
5.50	0.96557	0.00047
5.55	0.96805	0.00048
5.60	0.97107	0.00048
5.65	0.97508	0.00048
5.70	0.97782	0.00046
5.75	0.98025	0.00050
5.80	0.98377	0.00049
5.85	0.98729	0.00047
5.90	0.98977	0.00050
5.95	0.99232	0.00050
6.00	0.99551	0.00049
6.05	0.99874	0.00048
6.10	1.00089	0.00049
6.15	1.00376	0.00047
6.20	1.00677	0.00046

1200

4.70	0.93926	0.00050
4.75	0.94288	0.00049
4.80	0.94693	0.00050
4.85	0.95117	0.00051
4.90	0.95408	0.00050
4.95	0.95785	0.00050
5.00	0.96202	0.00051
5.05	0.96447	0.00050
5.10	0.96749	0.00052
5.15	0.97202	0.00049
5.20	0.97655	0.00049
5.25	0.97847	0.00049
5.30	0.98263	0.00052
5.35	0.98517	0.00051
5.40	0.99057	0.00049
5.45	0.99173	0.00050
5.50	0.99497	0.00052
5.55	0.99799	0.00051
5.60	1.00155	0.00049
5.65	1.00430	0.00049
5.70	1.00800	0.00050

1500			1700			1900		
4.30	0.93438	0.00051	4.20	0.93956	0.00054	4.10	0.93740	0.00052
4.35	0.93907	0.00051	4.25	0.94326	0.00054	4.15	0.94161	0.00054
4.40	0.94438	0.00050	4.30	0.94728	0.00052	4.20	0.94630	0.00053
4.45	0.94892	0.00052	4.35	0.95150	0.00052	4.25	0.95163	0.00053
4.50	0.95135	0.00052	4.40	0.95573	0.00053	4.30	0.95534	0.00054
4.55	0.95541	0.00052	4.45	0.95869	0.00052	4.35	0.95938	0.00052
4.60	0.95911	0.00053	4.50	0.96334	0.00053	4.40	0.96331	0.00055
4.65	0.96395	0.00053	4.55	0.96726	0.00052	4.45	0.96687	0.00053
4.70	0.96726	0.00050	4.60	0.96942	0.00052	4.50	0.97059	0.00053
4.75	0.97021	0.00052	4.65	0.97517	0.00054	4.55	0.97480	0.00053
4.80	0.97490	0.00052	4.70	0.97826	0.00053	4.60	0.97905	0.00054
4.85	0.97858	0.00051	4.75	0.98231	0.00055	4.65	0.98125	0.00056
4.90	0.98223	0.00051	4.80	0.98663	0.00053	4.70	0.98691	0.00054
4.95	0.98657	0.00052	4.85	0.99003	0.00053	4.75	0.99041	0.00054
5.00	0.99005	0.00053	4.90	0.99325	0.00052	4.80	0.99364	0.00055
5.05	0.99405	0.00052	4.95	0.99769	0.00054	4.85	0.99726	0.00053
5.10	0.99651	0.00053	5.00	1.00031	0.00053	4.90	1.00091	0.00053
5.15	1.00026	0.00051	5.05	1.00377	0.00051	4.95	1.00442	0.00053
5.20	1.00349	0.00052	5.10	1.00811	0.00053	5.00	1.00794	0.00056

2000			2100			2500		
4.00	0.93230	0.00054	4.00	0.93477	0.00054	4.00	0.93822	0.00055
4.05	0.93739	0.00053	4.05	0.93870	0.00054	4.05	0.94279	0.00054
4.10	0.94115	0.00056	4.10	0.94293	0.00053	4.10	0.94697	0.00055
4.15	0.94548	0.00056	4.15	0.94702	0.00053	4.15	0.95131	0.00053
4.20	0.94922	0.00054	4.20	0.95165	0.00056	4.20	0.95512	0.00055
4.25	0.95351	0.00055	4.25	0.95574	0.00055	4.25	0.95984	0.00057
4.30	0.95797	0.00053	4.30	0.95994	0.00053	4.30	0.96283	0.00056
4.35	0.96255	0.00053	4.35	0.96349	0.00053	4.35	0.96670	0.00053
4.40	0.96612	0.00054	4.40	0.96852	0.00054	4.40	0.96989	0.00057
4.45	0.96944	0.00054	4.45	0.97135	0.00054	4.45	0.97486	0.00056
4.50	0.97343	0.00051	4.50	0.97560	0.00055	4.50	0.98019	0.00055
4.55	0.97776	0.00053	4.55	0.97929	0.00055	4.55	0.98252	0.00055
4.60	0.98103	0.00056	4.60	0.98285	0.00054	4.60	0.98590	0.00054
4.65	0.98452	0.00054	4.65	0.98751	0.00054	4.65	0.98965	0.00056
4.70	0.98870	0.00052	4.70	0.99075	0.00055	4.70	0.99242	0.00052
4.75	0.99260	0.00054	4.75	0.99349	0.00054	4.75	0.99710	0.00054
4.80	0.99589	0.00052	4.80	0.99728	0.00055	4.80	1.00066	0.00055
4.85	0.99922	0.00053	4.85	1.00062	0.00055	4.85	1.00421	0.00056
4.90	1.00429	0.00053	4.90	1.00443	0.00055	4.90	1.00598	0.00057
4.95	1.00666	0.00055	4.95	1.00743	0.00054			
5.00	1.01048	0.00054	5.00	1.01240	0.00055			

3000			4000			5000		
4.00	0.93607	0.00055	4.30	0.93726	0.00054	4.80	0.93425	0.00055
4.05	0.93959	0.00054	4.35	0.93952	0.00054	4.85	0.93775	0.00056
4.10	0.94360	0.00054	4.40	0.94252	0.00055	4.90	0.94061	0.00053
4.15	0.94787	0.00057	4.45	0.94781	0.00054	4.95	0.94398	0.00055
4.20	0.95109	0.00054	4.50	0.95005	0.00055	5.00	0.94626	0.00054
4.25	0.95491	0.00054	4.55	0.95400	0.00056	5.05	0.94788	0.00053
4.30	0.95872	0.00056	4.60	0.95567	0.00055	5.10	0.95168	0.00054
4.35	0.96229	0.00055	4.65	0.96052	0.00055	5.15	0.95604	0.00054

4.40	0.96524	0.00056
4.45	0.97018	0.00054
4.50	0.97326	0.00056
4.55	0.97723	0.00054
4.60	0.98061	0.00055
4.65	0.98506	0.00056
4.70	0.98780	0.00054
4.75	0.99140	0.00055
4.80	0.99467	0.00054
4.85	0.99817	0.00055
4.90	1.00196	0.00055
4.95	1.00505	0.00055
5.00	1.00778	0.00056

4.70	0.96363	0.00057
4.75	0.96690	0.00056
4.80	0.96980	0.00055
4.85	0.97356	0.00056
4.90	0.97652	0.00057
4.95	0.98037	0.00054
5.00	0.98252	0.00057
5.05	0.98458	0.00056
5.10	0.98763	0.00056
5.15	0.99057	0.00056
5.20	0.99378	0.00057
5.25	0.99688	0.00053
5.30	1.00035	0.00056
5.35	1.00205	0.00056
5.40	1.00534	0.00054

5.20	0.95674	0.00054
5.25	0.95998	0.00053
5.30	0.96254	0.00055
5.35	0.96561	0.00055
5.40	0.96648	0.00056
5.45	0.97061	0.00054
5.50	0.97262	0.00054
5.55	0.97446	0.00056
5.60	0.97695	0.00055
5.65	0.98032	0.00054
5.70	0.98171	0.00055
5.75	0.98419	0.00055
5.80	0.98672	0.00054
5.85	0.98943	0.00054
5.90	0.99131	0.00055
5.95	0.99466	0.00056
6.00	0.99618	0.00054
6.05	0.99717	0.00056
6.10	0.99943	0.00054
6.15	1.00318	0.00050
6.20	1.00364	0.00053

6000

5.50	0.92893	0.00052
5.60	0.93266	0.00052
5.70	0.93813	0.00054
5.80	0.94205	0.00051
5.90	0.94527	0.00052
6.00	0.95118	0.00052
6.10	0.95382	0.00053
6.20	0.95831	0.00053
6.30	0.96284	0.00052
6.40	0.96573	0.00052
6.50	0.96994	0.00054
6.60	0.97403	0.00054
6.70	0.97659	0.00052
6.80	0.98047	0.00053
6.90	0.98550	0.00054
7.00	0.98725	0.00052
7.10	0.99094	0.00051
7.20	0.99475	0.00052
7.30	0.99872	0.00055
7.40	1.00133	0.00051
7.50	1.00547	0.00053

7000

7.00	0.93596	0.00052
7.10	0.93896	0.00053
7.20	0.94090	0.00052
7.30	0.94372	0.00051
7.40	0.94801	0.00052
7.50	0.95055	0.00052
7.60	0.95340	0.00050
7.70	0.95609	0.00052
7.80	0.95815	0.00050
7.90	0.96062	0.00053
8.00	0.96341	0.00051
8.10	0.96701	0.00052
8.20	0.96927	0.00049
8.30	0.97078	0.00051
8.40	0.97334	0.00049
8.50	0.97755	0.00050
8.60	0.98008	0.00052
8.70	0.98188	0.00051
8.80	0.98400	0.00052
8.90	0.98617	0.00053
9.00	0.98790	0.00051
9.10	0.99045	0.00051
9.20	0.99288	0.00050
9.30	0.99536	0.00052
9.40	0.99734	0.00050
9.50	0.99925	0.00051
9.60	1.00119	0.00048
9.70	1.00400	0.00052
9.80	1.00528	0.00052
9.90	1.00735	0.00051
10.00	1.01102	0.00050
10.10	1.01121	0.00050
10.20	1.01471	0.00052

7500

8.00	0.93517	0.00050
8.20	0.94022	0.00049
8.40	0.94439	0.00052
8.60	0.94959	0.00049
8.80	0.95383	0.00050
9.00	0.95813	0.00051
9.20	0.96254	0.00050
9.40	0.96676	0.00049
9.60	0.97019	0.00049
9.80	0.97367	0.00050
10.00	0.97794	0.00050
10.20	0.98201	0.00049
10.40	0.98550	0.00048
10.60	0.98998	0.00049
10.80	0.99162	0.00049
11.00	0.99585	0.00050
11.20	0.99888	0.00050
11.40	1.00142	0.00048
11.60	1.00525	0.00049

8000			9000			10000		
9.60	0.93895	0.00048	15.00	0.93839	0.00045	999.98	0.96763	0.00034
9.80	0.94250	0.00050	15.50	0.94155	0.00044	999.99	0.96763	0.00034
10.00	0.94733	0.00048	16.00	0.94627	0.00043			
10.20	0.94965	0.00049	16.50	0.94955	0.00042			
10.40	0.95290	0.00048	17.00	0.95317	0.00045			
10.60	0.95628	0.00047	17.50	0.95604	0.00045			
10.80	0.95939	0.00048	18.00	0.95951	0.00044			
11.00	0.96215	0.00049	18.50	0.96265	0.00042			
11.20	0.96583	0.00047	19.00	0.96464	0.00044			
11.40	0.96842	0.00047	19.50	0.96773	0.00044			
11.60	0.97151	0.00049	20.00	0.97054	0.00044			
11.80	0.97388	0.00048	20.50	0.97202	0.00044			
12.00	0.97716	0.00046	21.00	0.97561	0.00043			
12.20	0.97878	0.00047	21.50	0.97770	0.00042			
12.40	0.98207	0.00050	22.00	0.97956	0.00043			
12.60	0.98428	0.00048	22.50	0.98188	0.00044			
12.80	0.98716	0.00048	23.00	0.98367	0.00042			
13.00	0.98906	0.00048	23.50	0.98564	0.00043			
13.20	0.99201	0.00048	24.00	0.98790	0.00044			
13.40	0.99381	0.00047	24.50	0.98821	0.00040			
13.60	0.99567	0.00047	25.00	0.99075	0.00042			
13.80	0.99843	0.00049	25.50	0.99276	0.00043			
14.00	1.00097	0.00048	26.00	0.99368	0.00041			
14.20	1.00304	0.00047	26.50	0.99528	0.00042			
			27.00	0.99702	0.00043			
			27.50	0.99861	0.00044			
			28.00	1.00039	0.00042			
			28.50	1.00062	0.00042			
			29.00	1.00158	0.00044			
			29.50	1.00297	0.00042			
			30.00	1.00445	0.00044			

15000			18900		
999.98	0.84164	0.00027	999.98	0.84226	0.00026
999.99	0.84164	0.00027	999.99	0.84226	0.00026

sumtable.u5o2-pl-0060-00

20			25			30		
999.98	0.15466	0.00004	999.98	0.18937	0.00005	999.98	0.22250	0.00005
999.99	0.15466	0.00004	999.99	0.18937	0.00005	999.99	0.22250	0.00005

40			45			50		
999.98	0.28511	0.00007	999.98	0.31454	0.00007	999.98	0.34304	0.00008
999.99	0.28511	0.00007	999.99	0.31454	0.00007	999.99	0.34304	0.00008

55			60			65		
999.98	0.37025	0.00009	999.98	0.39667	0.00009	999.98	0.42211	0.00009
999.99	0.37025	0.00009	999.99	0.39667	0.00009	999.99	0.42211	0.00009

70			80			100		
999.98	0.44658	0.00010	999.98	0.49318	0.00010	999.98	0.57733	0.00013
999.99	0.44658	0.00010	999.99	0.49318	0.00010	999.99	0.57733	0.00013

130			150			170		
999.98	0.68511	0.00014	999.98	0.74713	0.00015	999.98	0.80230	0.00016
999.99	0.68511	0.00014	999.99	0.74713	0.00015	999.99	0.80230	0.00016

200			350			400		
999.98	0.87532	0.00017	13.60	0.94051	0.00036	11.00	0.91857	0.00043
999.99	0.87532	0.00017	13.80	0.94459	0.00038	11.20	0.92517	0.00041
			14.00	0.94768	0.00037	11.40	0.93074	0.00041
			14.20	0.95155	0.00035	11.60	0.93781	0.00040
			14.40	0.95603	0.00036	11.80	0.94283	0.00041
			14.60	0.95998	0.00036	12.00	0.94875	0.00040
			14.80	0.96250	0.00038	12.20	0.95442	0.00041
			15.00	0.96555	0.00035	12.40	0.95812	0.00041
			15.20	0.96912	0.00033	12.60	0.96383	0.00039
			15.40	0.97217	0.00035	12.80	0.96913	0.00040
			15.60	0.97546	0.00035	13.00	0.97321	0.00039
			15.80	0.97788	0.00035	13.20	0.97824	0.00040
			16.00	0.98108	0.00035	13.40	0.98265	0.00041
			16.20	0.98413	0.00035	13.60	0.98618	0.00040
			16.40	0.98705	0.00035	13.80	0.99208	0.00038
			16.60	0.98885	0.00033	14.00	0.99525	0.00039
			16.80	0.99103	0.00035	14.20	0.99896	0.00038
			17.00	0.99418	0.00034	14.40	1.00228	0.00038
			17.20	0.99631	0.00034	14.60	1.00661	0.00039
			17.40	0.99815	0.00034	14.80	1.01041	0.00039
			17.60	1.00070	0.00034	15.00	1.01374	0.00037
			17.80	1.00273	0.00034	15.20	1.01644	0.00037
			18.00	1.00524	0.00033	15.40	1.01991	0.00037
						15.60	1.02270	0.00036
						15.80	1.02540	0.00036
						16.00	1.02898	0.00038

500			650			800		
9.60	0.93024	0.00047	8.40	0.93060	0.00050	7.80	0.93249	0.00054
9.70	0.93567	0.00045	8.45	0.93483	0.00050	7.85	0.93674	0.00054
9.80	0.93924	0.00046	8.50	0.93825	0.00050	7.90	0.93966	0.00053
9.90	0.94345	0.00047	8.55	0.94050	0.00052	7.95	0.94386	0.00053
10.00	0.94744	0.00046	8.60	0.94341	0.00048	8.00	0.94672	0.00055
10.10	0.95199	0.00045	8.65	0.94743	0.00047	8.05	0.95035	0.00054
10.20	0.95633	0.00045	8.70	0.95009	0.00052	8.10	0.95226	0.00053
10.30	0.96003	0.00044	8.75	0.95220	0.00050	8.15	0.95642	0.00051
10.40	0.96496	0.00045	8.80	0.95515	0.00051	8.20	0.95992	0.00052
10.50	0.96793	0.00044	8.85	0.95762	0.00051	8.25	0.96458	0.00051
10.60	0.97206	0.00044	8.90	0.96102	0.00049	8.30	0.96662	0.00053
10.70	0.97633	0.00044	8.95	0.96400	0.00051	8.35	0.96989	0.00052
10.80	0.97908	0.00046	9.00	0.96707	0.00050	8.40	0.97276	0.00052
10.90	0.98377	0.00045	9.05	0.96901	0.00050	8.45	0.97647	0.00052
11.00	0.98621	0.00043	9.10	0.97248	0.00049	8.50	0.97976	0.00054
11.10	0.99019	0.00044	9.15	0.97339	0.00049	8.55	0.98356	0.00053
11.20	0.99433	0.00044	9.20	0.97694	0.00049	8.60	0.98638	0.00052
11.30	0.99731	0.00044	9.25	0.97958	0.00050	8.65	0.98859	0.00055
11.40	1.00068	0.00045	9.30	0.98230	0.00050	8.70	0.99179	0.00053
11.50	1.00333	0.00047	9.35	0.98492	0.00048	8.75	0.99438	0.00052
			9.40	0.98761	0.00050	8.80	0.99771	0.00052

			9.45	0.98987	0.00049	8.85	0.99973	0.00055
			9.50	0.99245	0.00048	8.90	1.00323	0.00054
			9.55	0.99366	0.00050	8.95	1.00619	0.00053
			9.60	0.99580	0.00050	9.00	1.00923	0.00053
			9.65	0.99948	0.00048			
			9.70	1.00180	0.00047			
			9.75	1.00331	0.00051			
			9.80	1.00672	0.00049			

900			1000			1200		
7.50	0.92830	0.00054	7.40	0.93610	0.00056	7.00	0.92187	0.00059
7.55	0.93271	0.00058	7.45	0.94052	0.00056	7.05	0.92603	0.00058
7.60	0.93755	0.00056	7.50	0.94370	0.00058	7.10	0.92991	0.00057
7.65	0.94081	0.00055	7.55	0.94801	0.00056	7.15	0.93491	0.00060
7.70	0.94477	0.00053	7.60	0.95282	0.00056	7.20	0.93923	0.00058
7.75	0.94893	0.00053	7.65	0.95570	0.00055	7.25	0.94268	0.00058
7.80	0.95227	0.00057	7.70	0.95881	0.00057	7.30	0.94789	0.00058
7.85	0.95451	0.00055	7.75	0.96281	0.00057	7.35	0.95211	0.00062
7.90	0.95995	0.00053	7.80	0.96716	0.00057	7.40	0.95698	0.00058
7.95	0.96312	0.00056	7.85	0.97206	0.00059	7.45	0.96036	0.00059
8.00	0.96560	0.00055	7.90	0.97434	0.00056	7.50	0.96374	0.00060
8.05	0.97038	0.00053	7.95	0.97787	0.00057	7.55	0.96789	0.00059
8.10	0.97391	0.00056	8.00	0.98224	0.00056	7.60	0.97255	0.00057
8.15	0.97666	0.00053	8.05	0.98507	0.00057	7.65	0.97668	0.00059
8.20	0.98071	0.00055	8.10	0.98758	0.00059	7.70	0.98052	0.00057
8.25	0.98375	0.00056	8.15	0.99139	0.00055	7.75	0.98459	0.00060
8.30	0.98724	0.00054	8.20	0.99558	0.00057	7.80	0.98787	0.00058
8.35	0.98972	0.00055	8.25	0.99893	0.00058	7.85	0.99136	0.00058
8.40	0.99350	0.00054	8.30	1.00181	0.00056	7.90	0.99527	0.00059
8.45	0.99698	0.00055	8.35	1.00638	0.00054	7.95	0.99876	0.00059
8.50	0.99987	0.00055	8.40	1.00887	0.00058	8.00	1.00151	0.00059
8.55	1.00256	0.00054						
8.60	1.00640	0.00057						
8.65	1.00889	0.00054						
8.70	1.01133	0.00055						

1500			1700			1900		
7.00	0.93730	0.00061	6.80	0.92041	0.00062	7.00	0.93973	0.00062
7.05	0.94053	0.00060	6.85	0.92614	0.00062	7.05	0.94461	0.00064
7.10	0.94552	0.00059	6.90	0.93126	0.00061	7.10	0.94978	0.00061
7.15	0.95041	0.00059	6.95	0.93570	0.00063	7.15	0.95427	0.00062
7.20	0.95402	0.00058	7.00	0.94045	0.00061	7.20	0.95784	0.00061
7.25	0.95866	0.00059	7.05	0.94605	0.00058	7.25	0.96219	0.00059
7.30	0.96268	0.00059	7.10	0.94940	0.00058	7.30	0.96667	0.00059
7.35	0.96689	0.00059	7.15	0.95413	0.00061	7.35	0.97045	0.00061
7.40	0.97052	0.00060	7.20	0.95828	0.00060	7.40	0.97493	0.00061
7.45	0.97494	0.00061	7.25	0.96128	0.00062	7.45	0.98057	0.00060
7.50	0.97951	0.00062	7.30	0.96723	0.00060	7.50	0.98451	0.00062
7.55	0.98221	0.00061	7.35	0.97063	0.00060	7.55	0.98764	0.00062
7.60	0.98688	0.00061	7.40	0.97575	0.00061	7.60	0.99281	0.00063
7.65	0.99153	0.00060	7.45	0.97893	0.00060	7.65	0.99609	0.00060
7.70	0.99464	0.00060	7.50	0.98489	0.00060	7.70	0.99935	0.00060
7.75	1.00018	0.00060	7.55	0.98743	0.00060	7.75	1.00361	0.00061
7.80	1.00308	0.00057	7.60	0.99088	0.00060	7.80	1.00756	0.00061
7.85	1.00753	0.00060	7.65	0.99515	0.00059	7.85	1.01031	0.00062
7.90	1.01080	0.00058	7.70	0.99979	0.00059	7.90	1.01577	0.00059
			7.75	1.00317	0.00063			
			7.80	1.00723	0.00062			

2000			2100			2500		
7.00	0.93863	0.00060	7.00	0.93653	0.00063	7.10	0.93666	0.00062
7.05	0.94352	0.00063	7.05	0.94419	0.00061	7.15	0.94382	0.00062

7.10	0.94786	0.00062
7.15	0.95350	0.00062
7.20	0.95745	0.00062
7.25	0.96279	0.00059
7.30	0.96742	0.00064
7.35	0.97022	0.00062
7.40	0.97564	0.00061
7.45	0.97860	0.00065
7.50	0.98278	0.00063
7.55	0.98674	0.00061
7.60	0.99043	0.00061
7.65	0.99512	0.00064
7.70	0.99951	0.00063
7.75	1.00355	0.00061
7.80	1.00570	0.00058
7.85	1.01051	0.00062
7.90	1.01366	0.00060
7.95	1.01728	0.00062
8.00	1.02200	0.00062
8.05	1.02535	0.00065
8.10	1.02865	0.00060
8.15	1.03364	0.00057
8.20	1.03704	0.00062

7.10	0.94735	0.00060
7.15	0.95148	0.00062
7.20	0.95664	0.00062
7.25	0.96124	0.00062
7.30	0.96433	0.00059
7.35	0.96961	0.00062
7.40	0.97323	0.00062
7.45	0.97759	0.00060
7.50	0.98037	0.00062
7.55	0.98635	0.00061
7.60	0.98989	0.00062
7.65	0.99451	0.00062
7.70	0.99748	0.00061
7.75	1.00203	0.00062
7.80	1.00659	0.00061
7.85	1.00860	0.00062
7.90	1.01278	0.00060
7.95	1.01659	0.00061
8.00	1.02109	0.00061
8.05	1.02508	0.00059
8.10	1.02753	0.00061
8.15	1.03083	0.00061
8.20	1.03518	0.00060
8.25	1.03976	0.00064
8.30	1.04105	0.00061

7.20	0.94720	0.00063
7.25	0.94981	0.00063
7.30	0.95572	0.00064
7.35	0.95908	0.00063
7.40	0.96315	0.00061
7.45	0.96786	0.00060
7.50	0.97092	0.00064
7.55	0.97599	0.00060
7.60	0.97940	0.00065
7.65	0.98528	0.00061
7.70	0.98825	0.00061
7.75	0.99212	0.00062
7.80	0.99643	0.00060
7.85	0.99963	0.00061
7.90	1.00303	0.00062
7.95	1.00763	0.00063
8.00	1.01144	0.00061

3000

7.30	0.93702	0.00060
7.35	0.94089	0.00061
7.40	0.94459	0.00060
7.45	0.94863	0.00061
7.50	0.95316	0.00062
7.55	0.95812	0.00061
7.60	0.96187	0.00063
7.65	0.96524	0.00061
7.70	0.97060	0.00062
7.75	0.97236	0.00060
7.80	0.97657	0.00062
7.85	0.98121	0.00061
7.90	0.98498	0.00062
7.95	0.98895	0.00061
8.00	0.99171	0.00064
8.05	0.99555	0.00061
8.10	1.00052	0.00061
8.15	1.00301	0.00062
8.20	1.00696	0.00061

4000

7.70	0.91992	0.00063
7.75	0.92485	0.00061
7.80	0.92781	0.00060
7.85	0.93132	0.00058
7.90	0.93444	0.00059
7.95	0.93901	0.00061
8.00	0.94286	0.00060
8.05	0.94671	0.00060
8.10	0.94941	0.00060
8.15	0.95364	0.00060
8.20	0.95646	0.00060
8.25	0.96051	0.00060
8.30	0.96311	0.00063
8.35	0.96818	0.00062
8.40	0.97002	0.00062
8.45	0.97410	0.00059
8.50	0.97780	0.00058
8.55	0.98009	0.00060
8.60	0.98251	0.00064
8.65	0.98689	0.00060
8.70	0.99019	0.00063
8.75	0.99456	0.00062
8.80	0.99765	0.00061
8.85	0.99969	0.00062
8.90	1.00326	0.00060
8.95	1.00508	0.00061
9.00	1.00791	0.00062

5000

8.80	0.93682	0.00057
8.85	0.93911	0.00060
8.90	0.94295	0.00060
8.95	0.94417	0.00057
9.00	0.94823	0.00060
9.05	0.95195	0.00060
9.10	0.95393	0.00057
9.15	0.95720	0.00060
9.20	0.96004	0.00059
9.25	0.96303	0.00059
9.30	0.96532	0.00060
9.35	0.96812	0.00059
9.40	0.97209	0.00058
9.45	0.97338	0.00062
9.50	0.97592	0.00058
9.55	0.97973	0.00060
9.60	0.98215	0.00061
9.65	0.98454	0.00057
9.70	0.98762	0.00060
9.75	0.99033	0.00059
9.80	0.99223	0.00061
9.85	0.99512	0.00057
9.90	0.99736	0.00058
9.95	0.99997	0.00060
10.00	1.00237	0.00058
10.05	1.00431	0.00060
10.10	1.00806	0.00058

6000

10.00	0.93518	0.00055
10.10	0.94089	0.00055
10.20	0.94465	0.00053
10.30	0.95047	0.00055
10.40	0.95416	0.00055

7000

11.80	0.93773	0.00053
11.90	0.94324	0.00052
12.00	0.94495	0.00052
12.10	0.94957	0.00054
12.20	0.95129	0.00052

7500

12.80	0.93293	0.00053
12.90	0.93559	0.00051
13.00	0.93979	0.00049
13.10	0.94229	0.00050
13.20	0.94429	0.00050

10.50	0.95919	0.00054
10.60	0.96348	0.00055
10.70	0.96821	0.00056
10.80	0.97198	0.00059
10.90	0.97667	0.00055
11.00	0.98070	0.00056
11.10	0.98374	0.00055
11.20	0.98747	0.00056
11.30	0.99244	0.00056
11.40	0.99569	0.00057
11.50	1.00062	0.00055
11.60	1.00339	0.00053
11.70	1.00753	0.00056
11.80	1.00930	0.00058
11.90	1.01329	0.00055
12.00	1.01803	0.00055

12.30	0.95434	0.00053
12.40	0.95846	0.00053
12.50	0.96102	0.00052
12.60	0.96468	0.00054
12.70	0.96818	0.00052
12.80	0.97109	0.00053
12.90	0.97346	0.00051
13.00	0.97683	0.00051
13.10	0.97968	0.00053
13.20	0.98330	0.00053
13.30	0.98586	0.00052
13.40	0.98742	0.00052
13.50	0.99085	0.00054
13.60	0.99442	0.00050
13.70	0.99593	0.00051
13.80	0.99944	0.00053
13.90	1.00126	0.00053
14.00	1.00499	0.00053

13.30	0.94778	0.00050
13.40	0.95007	0.00052
13.50	0.95431	0.00052
13.60	0.95541	0.00049
13.70	0.95747	0.00051
13.80	0.95989	0.00048
13.90	0.96433	0.00048
14.00	0.96563	0.00050
14.10	0.96857	0.00050
14.20	0.97078	0.00050
14.30	0.97331	0.00050
14.40	0.97641	0.00052
14.50	0.97811	0.00052
14.60	0.98120	0.00051
14.70	0.98264	0.00051
14.80	0.98402	0.00052
14.90	0.98750	0.00050
15.00	0.98981	0.00049
15.10	0.99099	0.00050
15.20	0.99470	0.00049
15.30	0.99643	0.00050
15.40	0.99713	0.00051
15.50	1.00022	0.00051
15.60	1.00242	0.00049
15.70	1.00343	0.00049
15.80	1.00626	0.00050

8000

14.60	0.94197	0.00049
14.80	0.94525	0.00050
15.00	0.95171	0.00048
15.20	0.95435	0.00050
15.40	0.95903	0.00047
15.60	0.96343	0.00048
15.80	0.96778	0.00049
16.00	0.97010	0.00048
16.20	0.97500	0.00050
16.40	0.97848	0.00046
16.60	0.98223	0.00048
16.80	0.98511	0.00049
17.00	0.98844	0.00050
17.20	0.99110	0.00049
17.40	0.99525	0.00051
17.60	0.99792	0.00049
17.80	1.00116	0.00049
18.00	1.00485	0.00049
18.20	1.00619	0.00047
18.40	1.01067	0.00047
18.60	1.01348	0.00048
18.80	1.01475	0.00049

9000

19.00	0.93898	0.00042
19.25	0.94226	0.00043
19.50	0.94500	0.00043
19.75	0.94852	0.00044
20.00	0.95139	0.00043
20.25	0.95424	0.00043
20.50	0.95738	0.00044
20.75	0.96026	0.00043
21.00	0.96170	0.00042
21.25	0.96476	0.00042
21.50	0.96855	0.00043
21.75	0.96841	0.00042
22.00	0.97257	0.00043
22.25	0.97434	0.00041
22.50	0.97728	0.00043
22.75	0.97940	0.00043
23.00	0.98049	0.00042
23.25	0.98289	0.00042
23.50	0.98577	0.00043
23.75	0.98632	0.00042
24.00	0.98828	0.00044
24.25	0.99039	0.00042
24.50	0.99235	0.00044
24.75	0.99423	0.00042
25.00	0.99655	0.00043
25.25	0.99735	0.00041
25.50	0.99977	0.00044
25.75	1.00047	0.00043
26.00	1.00202	0.00042

10000

24.00	0.91041	0.00036
26.00	0.92450	0.00039
28.00	0.93633	0.00036
30.00	0.94708	0.00036
32.00	0.95515	0.00036
34.00	0.96263	0.00035
36.00	0.96836	0.00035
38.00	0.97349	0.00034
40.00	0.97867	0.00035
42.00	0.98292	0.00034
44.00	0.98662	0.00035
46.00	0.98785	0.00037
48.00	0.99155	0.00035
50.00	0.99388	0.00035
52.00	0.99663	0.00033
54.00	0.99820	0.00035
56.00	1.00070	0.00034
58.00	1.00168	0.00035
60.00	1.00335	0.00035

15000

999.98	0.91668	0.00027
999.99	0.91668	0.00027

18900

999.98	0.91632	0.00028
999.99	0.91632	0.00028

sumtable.u5o2-pl-0060-01

20			25			30		
999.98	0.15466	0.00004	999.98	0.18937	0.00005	999.98	0.22250	0.00005
999.99	0.15466	0.00004	999.99	0.18937	0.00005	999.99	0.22250	0.00005

40			45			50		
999.98	0.28511	0.00007	999.98	0.31454	0.00007	999.98	0.34304	0.00008
999.99	0.28511	0.00007	999.99	0.31454	0.00007	999.99	0.34304	0.00008

55			60			65		
999.98	0.37025	0.00009	999.98	0.39667	0.00009	999.98	0.42211	0.00009
999.99	0.37025	0.00009	999.99	0.39667	0.00009	999.99	0.42211	0.00009

70			80			100		
999.98	0.44658	0.00010	999.98	0.49318	0.00010	999.98	0.57733	0.00013
999.99	0.44658	0.00010	999.99	0.49318	0.00010	999.99	0.57733	0.00013

130			150			170		
999.98	0.68511	0.00014	999.98	0.74713	0.00015	999.98	0.80230	0.00016
999.99	0.68511	0.00014	999.99	0.74713	0.00015	999.99	0.80230	0.00016

200			350			400		
999.98	0.87532	0.00017	11.00	0.91723	0.00037	9.00	0.90325	0.00039
999.99	0.87532	0.00017	11.25	0.92355	0.00037	9.20	0.90997	0.00040
			11.50	0.92981	0.00038	9.40	0.91697	0.00040
			11.75	0.93403	0.00035	9.60	0.92321	0.00041
			12.00	0.94026	0.00037	9.80	0.93081	0.00038
			12.25	0.94499	0.00034	10.00	0.93562	0.00040
			12.50	0.94886	0.00035	10.20	0.94186	0.00038
			12.75	0.95387	0.00034	10.40	0.94694	0.00040
			13.00	0.95808	0.00035	10.60	0.95277	0.00040
			13.25	0.96310	0.00035	10.80	0.95821	0.00038
			13.50	0.96621	0.00034	11.00	0.96315	0.00040
			13.75	0.97058	0.00034	11.20	0.96813	0.00038
			14.00	0.97472	0.00034	11.40	0.97293	0.00039
			14.25	0.97825	0.00034	11.60	0.97790	0.00039
			14.50	0.98112	0.00033	11.80	0.98174	0.00038
			14.75	0.98549	0.00034	12.00	0.98615	0.00038
			15.00	0.98822	0.00033	12.20	0.98994	0.00038
			15.25	0.99089	0.00034	12.40	0.99482	0.00037
			15.50	0.99417	0.00033	12.60	0.99903	0.00037
			15.75	0.99722	0.00034	12.80	1.00239	0.00038
			16.00	0.99966	0.00034	13.00	1.00636	0.00037
			16.25	1.00214	0.00033			
			16.50	1.00559	0.00033			
			16.75	1.00866	0.00033			
			17.00	1.01030	0.00033			

500			650			800		
8.00	0.92867	0.00046	6.80	0.93085	0.00048	6.30	0.93844	0.00051
8.10	0.93331	0.00044	6.85	0.93339	0.00048	6.35	0.94217	0.00050
8.20	0.93809	0.00045	6.90	0.93691	0.00047	6.40	0.94664	0.00052
8.30	0.94234	0.00044	6.95	0.93917	0.00050	6.45	0.94964	0.00051
8.40	0.94747	0.00044	7.00	0.94250	0.00048	6.50	0.95353	0.00052
8.50	0.95123	0.00043	7.05	0.94627	0.00048	6.55	0.95685	0.00052
8.60	0.95562	0.00043	7.10	0.94929	0.00048	6.60	0.95980	0.00052
8.70	0.95972	0.00044	7.15	0.95137	0.00047	6.65	0.96246	0.00053
8.80	0.96312	0.00042	7.20	0.95546	0.00046	6.70	0.96732	0.00051

8.90	0.96640	0.00044
9.00	0.97100	0.00043
9.10	0.97460	0.00041
9.20	0.97869	0.00043
9.30	0.98166	0.00044
9.40	0.98535	0.00043
9.50	0.98913	0.00043
9.60	0.99214	0.00042
9.70	0.99573	0.00043
9.80	0.99943	0.00042
9.90	1.00177	0.00043
10.00	1.00566	0.00043

7.25	0.95755	0.00047
7.30	0.95979	0.00047
7.35	0.96285	0.00048
7.40	0.96630	0.00047
7.45	0.96882	0.00047
7.50	0.97011	0.00049
7.55	0.97283	0.00047
7.60	0.97642	0.00048
7.65	0.97915	0.00047
7.70	0.98132	0.00047
7.75	0.98484	0.00048
7.80	0.98596	0.00048
7.85	0.98891	0.00048
7.90	0.99158	0.00047
7.95	0.99407	0.00049
8.00	0.99688	0.00048
8.05	0.99871	0.00047
8.10	1.00115	0.00050
8.15	1.00352	0.00050
8.20	1.00521	0.00046

6.75	0.96946	0.00051
6.80	0.97442	0.00051
6.85	0.97608	0.00054
6.90	0.97967	0.00052
6.95	0.98238	0.00050
7.00	0.98610	0.00052
7.05	0.98850	0.00051
7.10	0.99187	0.00052
7.15	0.99515	0.00053
7.20	0.99770	0.00051
7.25	1.00094	0.00050
7.30	1.00285	0.00050
7.35	1.00655	0.00050
7.40	1.00907	0.00051

900		
6.00	0.93642	0.00055
6.05	0.94134	0.00053
6.10	0.94541	0.00055
6.15	0.94872	0.00055
6.20	0.95205	0.00051
6.25	0.95624	0.00055
6.30	0.95896	0.00053
6.35	0.96355	0.00052
6.40	0.96723	0.00054
6.45	0.96994	0.00052
6.50	0.97416	0.00053
6.55	0.97711	0.00053
6.60	0.98075	0.00051
6.65	0.98405	0.00054
6.70	0.98766	0.00052
6.75	0.99098	0.00053
6.80	0.99379	0.00052
6.85	0.99667	0.00054
6.90	1.00098	0.00051
6.95	1.00379	0.00054
7.00	1.00697	0.00055

1000		
5.80	0.93690	0.00054
5.85	0.94206	0.00054
5.90	0.94571	0.00056
5.95	0.94927	0.00056
6.00	0.95299	0.00053
6.05	0.95708	0.00058
6.10	0.96170	0.00055
6.15	0.96484	0.00056
6.20	0.96822	0.00054
6.25	0.97162	0.00054
6.30	0.97457	0.00051
6.35	0.97869	0.00053
6.40	0.98223	0.00054
6.45	0.98626	0.00055
6.50	0.98939	0.00055
6.55	0.99371	0.00056
6.60	0.99694	0.00053
6.65	0.99923	0.00053
6.70	1.00282	0.00056
6.75	1.00675	0.00056
6.80	1.00949	0.00054

1200		
5.50	0.93317	0.00055
5.55	0.93679	0.00056
5.60	0.94224	0.00054
5.65	0.94659	0.00058
5.70	0.95085	0.00057
5.75	0.95428	0.00059
5.80	0.95888	0.00058
5.85	0.96259	0.00056
5.90	0.96604	0.00057
5.95	0.97149	0.00054
6.00	0.97443	0.00055
6.05	0.97837	0.00055
6.10	0.98321	0.00057
6.15	0.98615	0.00057
6.20	0.99017	0.00054
6.25	0.99294	0.00057
6.30	0.99814	0.00056
6.35	1.00098	0.00058
6.40	1.00483	0.00057
6.45	1.00919	0.00058
6.50	1.01190	0.00056
6.55	1.01605	0.00056
6.60	1.01837	0.00058
6.65	1.02234	0.00055
6.70	1.02657	0.00057

1500			1700			1900		
5.20	0.92360	0.00058	5.30	0.93754	0.00059	5.20	0.92957	0.00061
5.25	0.92736	0.00060	5.35	0.94176	0.00059	5.25	0.93305	0.00060
5.30	0.93226	0.00059	5.40	0.94581	0.00063	5.30	0.94015	0.00060
5.35	0.93621	0.00059	5.45	0.95096	0.00059	5.35	0.94387	0.00057
5.40	0.94033	0.00060	5.50	0.95512	0.00059	5.40	0.94793	0.00059
5.45	0.94615	0.00059	5.55	0.95954	0.00059	5.45	0.95270	0.00061
5.50	0.95020	0.00058	5.60	0.96340	0.00060	5.50	0.95692	0.00056
5.55	0.95523	0.00059	5.65	0.96695	0.00061	5.55	0.96086	0.00060
5.60	0.95854	0.00057	5.70	0.97179	0.00057	5.60	0.96549	0.00061
5.65	0.96373	0.00058	5.75	0.97690	0.00058	5.65	0.97066	0.00060
5.70	0.96807	0.00058	5.80	0.98121	0.00058	5.70	0.97499	0.00057
5.75	0.97132	0.00058	5.85	0.98660	0.00058	5.75	0.97867	0.00059
5.80	0.97499	0.00059	5.90	0.98978	0.00060	5.80	0.98303	0.00059
5.85	0.98011	0.00057	5.95	0.99292	0.00058	5.85	0.98602	0.00060
5.90	0.98437	0.00058	6.00	0.99707	0.00059	5.90	0.99051	0.00060
5.95	0.98853	0.00056	6.05	1.00054	0.00059	5.95	0.99341	0.00060
6.00	0.99233	0.00059	6.10	1.00590	0.00059	6.00	0.99820	0.00060
6.05	0.99694	0.00059	6.15	1.00823	0.00059	6.05	1.00341	0.00059
6.10	0.99932	0.00058	6.20	1.01280	0.00059	6.10	1.00818	0.00058
6.15	1.00286	0.00058				6.15	1.01090	0.00060
6.20	1.00790	0.00058				6.20	1.01449	0.00059

2000			2100			2500		
5.20	0.92923	0.00059	5.20	0.92865	0.00060	5.30	0.93045	0.00060
5.25	0.93418	0.00059	5.25	0.93361	0.00060	5.35	0.93553	0.00061
5.30	0.93892	0.00059	5.30	0.93904	0.00062	5.40	0.94041	0.00060
5.35	0.94264	0.00058	5.35	0.94256	0.00062	5.45	0.94454	0.00061
5.40	0.94792	0.00062	5.40	0.94724	0.00060	5.50	0.94930	0.00060
5.45	0.95243	0.00058	5.45	0.95189	0.00060	5.55	0.95371	0.00061
5.50	0.95719	0.00059	5.50	0.95608	0.00059	5.60	0.95764	0.00060
5.55	0.96051	0.00059	5.55	0.96044	0.00060	5.65	0.96091	0.00061
5.60	0.96476	0.00059	5.60	0.96413	0.00059	5.70	0.96556	0.00060
5.65	0.96982	0.00059	5.65	0.96876	0.00060	5.75	0.96926	0.00062
5.70	0.97446	0.00060	5.70	0.97337	0.00060	5.80	0.97435	0.00058
5.75	0.97826	0.00061	5.75	0.97735	0.00060	5.85	0.97867	0.00061
5.80	0.98297	0.00060	5.80	0.98226	0.00059	5.90	0.98208	0.00060
5.85	0.98674	0.00061	5.85	0.98650	0.00059	5.95	0.98499	0.00060
5.90	0.99075	0.00059	5.90	0.98938	0.00061	6.00	0.99143	0.00060
5.95	0.99377	0.00059	5.95	0.99303	0.00059	6.05	0.99395	0.00061
6.00	0.99782	0.00059	6.00	0.99692	0.00059	6.10	0.99801	0.00061
6.05	1.00107	0.00061	6.05	1.00162	0.00061	6.15	1.00098	0.00062
6.10	1.00612	0.00060	6.10	1.00581	0.00059	6.20	1.00522	0.00059
6.15	1.00958	0.00060				6.25	1.00868	0.00060
6.20	1.01350	0.00060				6.30	1.01319	0.00060

3000			4000			5000		
5.50	0.93169	0.00061	6.00	0.93065	0.00058	6.80	0.93120	0.00059
5.55	0.93731	0.00059	6.05	0.93520	0.00058	6.85	0.93548	0.00059
5.60	0.94188	0.00061	6.10	0.93797	0.00059	6.90	0.93707	0.00059
5.65	0.94722	0.00061	6.15	0.94143	0.00058	6.95	0.94038	0.00058
5.70	0.95063	0.00061	6.20	0.94565	0.00061	7.00	0.94405	0.00057
5.75	0.95405	0.00060	6.25	0.94884	0.00060	7.05	0.94755	0.00058

5.80	0.95778	0.00060
5.85	0.96205	0.00063
5.90	0.96619	0.00060
5.95	0.96972	0.00061
6.00	0.97326	0.00060
6.05	0.97848	0.00062
6.10	0.98077	0.00060
6.15	0.98489	0.00061
6.20	0.98980	0.00061
6.25	0.99266	0.00063
6.30	0.99642	0.00059
6.35	1.00065	0.00060
6.40	1.00249	0.00059
6.45	1.00659	0.00061
6.50	1.01048	0.00061

6.30	0.95251	0.00061
6.35	0.95568	0.00062
6.40	0.95795	0.00060
6.45	0.96310	0.00060
6.50	0.96678	0.00060
6.60	0.97330	0.00061
6.65	0.97601	0.00058
6.70	0.97962	0.00059
6.75	0.98288	0.00062
6.80	0.98606	0.00062
6.85	0.98887	0.00063
6.90	0.99132	0.00060
6.95	0.99368	0.00060
7.00	0.99782	0.00060
7.05	1.00051	0.00060
7.10	1.00401	0.00061
7.15	1.00674	0.00061
7.20	1.01058	0.00060

7.10	0.95000	0.00058
7.15	0.95244	0.00058
7.20	0.95539	0.00058
7.25	0.95898	0.00059
7.30	0.96146	0.00059
7.35	0.96422	0.00060
7.40	0.96665	0.00059
7.45	0.96900	0.00058
7.50	0.97236	0.00058
7.55	0.97439	0.00058
7.60	0.97789	0.00058
7.65	0.97938	0.00058
7.70	0.98299	0.00058
7.75	0.98456	0.00059
7.80	0.98673	0.00058
7.85	0.98981	0.00058
7.90	0.99264	0.00059
7.95	0.99492	0.00057
8.00	0.99645	0.00058
8.05	1.00016	0.00059
8.10	1.00148	0.00061
8.15	1.00387	0.00058
8.20	1.00764	0.00059

6000

8.00	0.93530	0.00056
8.10	0.94019	0.00057
8.20	0.94570	0.00057
8.30	0.94989	0.00056
8.40	0.95473	0.00056
8.50	0.95874	0.00056
8.60	0.96357	0.00056
8.70	0.96765	0.00058
8.80	0.97092	0.00056
8.90	0.97493	0.00056
9.00	0.98003	0.00058
9.10	0.98419	0.00055
9.20	0.98827	0.00056
9.30	0.99110	0.00055
9.40	0.99529	0.00056
9.50	0.99916	0.00055
9.60	1.00342	0.00056
9.70	1.00639	0.00055
9.80	1.00989	0.00057

7000

9.50	0.93097	0.00055
9.60	0.93445	0.00054
9.70	0.93866	0.00056
9.80	0.94082	0.00055
9.90	0.94571	0.00054
10.00	0.94962	0.00054
10.10	0.95216	0.00053
10.20	0.95522	0.00055
10.30	0.95849	0.00054
10.40	0.96148	0.00053
10.50	0.96535	0.00052
10.60	0.96741	0.00052
10.70	0.97054	0.00056
10.80	0.97418	0.00053
10.90	0.97617	0.00052
11.00	0.97929	0.00054
11.10	0.98249	0.00052
11.20	0.98510	0.00052
11.30	0.98808	0.00051
11.40	0.99017	0.00053
11.50	0.99361	0.00054
11.60	0.99582	0.00054
11.70	0.99865	0.00055
11.80	1.00143	0.00055
11.90	1.00308	0.00052
12.00	1.00552	0.00053

7500

10.60	0.93143	0.00053
10.80	0.93825	0.00054
11.00	0.94397	0.00051
11.20	0.94984	0.00053
11.40	0.95533	0.00053
11.60	0.95847	0.00052
11.80	0.96410	0.00052
12.00	0.96992	0.00051
12.20	0.97358	0.00052
12.40	0.97921	0.00053
12.60	0.98320	0.00053
12.80	0.98891	0.00053
13.00	0.99217	0.00051
13.20	0.99617	0.00052
13.40	1.00029	0.00053
13.60	1.00462	0.00050

8000			9000			10000		
12.00	0.93268	0.00048	16.00	0.93045	0.00045	26.00	0.93941	0.00039
12.20	0.93699	0.00050	16.25	0.93457	0.00044	27.00	0.94478	0.00036
12.40	0.94271	0.00051	16.50	0.93748	0.00044	28.00	0.94885	0.00038
12.60	0.94679	0.00049	16.75	0.94115	0.00044	29.00	0.95356	0.00037
12.80	0.95070	0.00049	17.00	0.94366	0.00045	30.00	0.95726	0.00036
13.00	0.95489	0.00049	17.25	0.94681	0.00044	31.00	0.96114	0.00036
13.20	0.95893	0.00050	17.50	0.94964	0.00045	32.00	0.96415	0.00038
13.40	0.96305	0.00050	17.75	0.95257	0.00044	33.00	0.96647	0.00036
13.60	0.96723	0.00050	18.00	0.95571	0.00045	34.00	0.97026	0.00036
13.80	0.97053	0.00048	18.25	0.95822	0.00045	35.00	0.97285	0.00037
14.00	0.97503	0.00051	18.50	0.96082	0.00046	36.00	0.97525	0.00036
14.20	0.97836	0.00049	18.75	0.96347	0.00044	37.00	0.97780	0.00037
14.40	0.98137	0.00049	19.00	0.96601	0.00044	38.00	0.97937	0.00035
14.60	0.98496	0.00049	19.25	0.96843	0.00044	39.00	0.98160	0.00036
14.80	0.98869	0.00048	19.50	0.97094	0.00044	40.00	0.98348	0.00036
15.00	0.99168	0.00051	19.75	0.97302	0.00045	41.00	0.98523	0.00035
15.20	0.99404	0.00051	20.00	0.97560	0.00044	42.00	0.98708	0.00036
15.40	0.99801	0.00049	20.25	0.97790	0.00045	43.00	0.98859	0.00037
15.60	1.00172	0.00048	20.50	0.97927	0.00044	44.00	0.98985	0.00036
15.80	1.00288	0.00048	20.75	0.98167	0.00044	45.00	0.99123	0.00034
			21.00	0.98442	0.00044	46.00	0.99266	0.00037
			21.25	0.98633	0.00044	47.00	0.99423	0.00035
			21.50	0.98704	0.00044	48.00	0.99509	0.00036
			21.75	0.98988	0.00044	49.00	0.99666	0.00034
			22.00	0.99057	0.00041	50.00	0.99718	0.00035
			22.25	0.99292	0.00042	51.00	0.99835	0.00036
			22.50	0.99518	0.00044	52.00	0.99891	0.00036
			22.75	0.99593	0.00044	53.00	0.99920	0.00035
			23.00	0.99765	0.00044	54.00	1.00099	0.00034
			23.25	0.99877	0.00042	55.00	1.00136	0.00035
			23.50	1.00136	0.00042			
			23.75	1.00259	0.00043			
			24.00	1.00486	0.00043			

15000			18900		
999.98	0.91668	0.00027	999.98	0.91632	0.00028
999.99	0.91668	0.00027	999.99	0.91632	0.00028

sumtable.u5o2-pl-0060-10

20			25			30		
999.98	0.15466	0.00004	999.98	0.18937	0.00005	999.98	0.22250	0.00005
999.99	0.15466	0.00004	999.99	0.18937	0.00005	999.99	0.22250	0.00005
40			45			50		
999.98	0.28511	0.00007	999.98	0.31454	0.00007	999.98	0.34304	0.00008
999.99	0.28511	0.00007	999.99	0.31454	0.00007	999.99	0.34304	0.00008
55			60			65		
999.98	0.37025	0.00009	999.98	0.39667	0.00009	999.98	0.42211	0.00009
999.99	0.37025	0.00009	999.99	0.39667	0.00009	999.99	0.42211	0.00009

70			80			100		
999.98	0.44658	0.00010	999.98	0.49318	0.00010	999.98	0.57733	0.00013
999.99	0.44658	0.00010	999.99	0.49318	0.00010	999.99	0.57733	0.00013

130			150			170		
999.98	0.68511	0.00014	999.98	0.74713	0.00015	999.98	0.80230	0.00016
999.99	0.68511	0.00014	999.99	0.74713	0.00015	999.99	0.80230	0.00016

200			350			400		
999.98	0.87532	0.00017	10.60	0.93594	0.00033	8.80	0.93591	0.00037
999.99	0.87532	0.00017	10.80	0.93984	0.00035	9.00	0.94171	0.00038
			11.00	0.94344	0.00034	9.20	0.94738	0.00036
			11.20	0.94695	0.00034	9.40	0.95286	0.00038
			11.40	0.95069	0.00035	9.60	0.95829	0.00037
			11.60	0.95516	0.00034	9.80	0.96344	0.00037
			11.80	0.95790	0.00034	10.00	0.96824	0.00037
			12.00	0.96192	0.00034	10.20	0.97289	0.00036
			12.20	0.96506	0.00034	10.40	0.97732	0.00036
			12.40	0.96835	0.00034	10.60	0.98177	0.00036
			12.60	0.97174	0.00035	10.80	0.98568	0.00037
			12.80	0.97459	0.00033	11.00	0.98998	0.00035
			13.00	0.97722	0.00034	11.20	0.99520	0.00037
			13.20	0.98015	0.00031	11.40	0.99826	0.00036
			13.40	0.98275	0.00033	11.60	1.00302	0.00036
			13.60	0.98567	0.00033	11.80	1.00581	0.00036
			13.80	0.98908	0.00032	12.00	1.00939	0.00035
			14.00	0.99042	0.00032	12.20	1.01298	0.00035
			14.20	0.99319	0.00032	12.40	1.01570	0.00034
			14.40	0.99567	0.00033	12.60	1.01896	0.00035
			14.60	0.99835	0.00031	12.80	1.02231	0.00035
			14.80	1.00068	0.00032			
			15.00	1.00201	0.00033			
			15.20	1.00457	0.00032			
			15.40	1.00616	0.00032			

500			650			800		
7.00	0.93908	0.00043	5.60	0.93397	0.00047	4.90	0.93181	0.00048
7.05	0.94148	0.00040	5.65	0.93743	0.00045	4.95	0.93546	0.00049
7.10	0.94376	0.00041	5.70	0.94127	0.00046	5.00	0.93965	0.00048
7.15	0.94477	0.00041	5.75	0.94331	0.00045	5.05	0.94269	0.00049
7.20	0.94811	0.00043	5.80	0.94631	0.00047	5.10	0.94646	0.00046
7.25	0.95040	0.00040	5.85	0.94955	0.00046	5.15	0.94953	0.00048
7.30	0.95240	0.00042	5.90	0.95249	0.00045	5.20	0.95410	0.00049
7.35	0.95471	0.00040	5.95	0.95488	0.00046	5.25	0.95729	0.00049
7.40	0.95585	0.00041	6.00	0.95770	0.00046	5.30	0.96078	0.00049
7.45	0.95849	0.00041	6.05	0.96032	0.00045	5.35	0.96445	0.00046
7.50	0.95959	0.00041	6.10	0.96334	0.00045	5.40	0.96638	0.00047
7.55	0.96209	0.00041	6.15	0.96644	0.00044	5.45	0.96926	0.00047
7.60	0.96432	0.00042	6.20	0.96892	0.00046	5.50	0.97353	0.00047
7.65	0.96644	0.00042	6.25	0.97236	0.00046	5.55	0.97617	0.00049
7.70	0.96781	0.00041	6.30	0.97424	0.00046	5.60	0.98015	0.00046
7.75	0.97013	0.00042	6.35	0.97755	0.00044	5.65	0.98339	0.00048
7.80	0.97216	0.00041	6.40	0.98016	0.00045	5.70	0.98637	0.00049
7.85	0.97323	0.00042	6.45	0.98261	0.00045	5.75	0.99043	0.00049
7.90	0.97558	0.00043	6.50	0.98464	0.00046	5.80	0.99233	0.00047
7.95	0.97752	0.00040	6.55	0.98747	0.00047	5.85	0.99551	0.00047
8.00	0.98017	0.00041	6.60	0.98978	0.00043	5.90	0.99882	0.00048
8.05	0.98100	0.00043	6.65	0.99267	0.00043	5.95	1.00123	0.00049
8.10	0.98316	0.00041	6.70	0.99402	0.00045	6.00	1.00414	0.00048

8.15	0.98504	0.00041	6.75	0.99801	0.00044
8.20	0.98580	0.00040	6.80	1.00073	0.00045
8.25	0.98856	0.00042	6.85	1.00316	0.00046
8.30	0.99046	0.00040	6.90	1.00412	0.00045
8.35	0.99242	0.00041			
8.40	0.99421	0.00040			
8.45	0.99554	0.00041			
8.50	0.99707	0.00041			
8.55	0.99807	0.00041			
8.60	0.99998	0.00041			
8.65	1.00191	0.00041			
8.70	1.00383	0.00041			
8.75	1.00495	0.00041			
8.80	1.00704	0.00040			

900			1000			1200		
4.60	0.93174	0.00051	4.40	0.93321	0.00050	4.00	0.92403	0.00052
4.65	0.93449	0.00050	4.45	0.93706	0.00049	4.05	0.92841	0.00052
4.70	0.93975	0.00052	4.50	0.94131	0.00050	4.10	0.93373	0.00051
4.75	0.94266	0.00048	4.55	0.94505	0.00053	4.15	0.93873	0.00049
4.80	0.94616	0.00051	4.60	0.94912	0.00051	4.20	0.94112	0.00052
4.85	0.95069	0.00049	4.65	0.95335	0.00051	4.25	0.94646	0.00052
4.90	0.95475	0.00049	4.70	0.95771	0.00049	4.30	0.95125	0.00054
4.95	0.95839	0.00047	4.75	0.96108	0.00051	4.35	0.95529	0.00051
5.00	0.96237	0.00050	4.80	0.96539	0.00049	4.40	0.95869	0.00052
5.05	0.96516	0.00051	4.85	0.96815	0.00049	4.45	0.96294	0.00053
5.10	0.96879	0.00050	4.90	0.97251	0.00051	4.50	0.96747	0.00052
5.15	0.97207	0.00049	4.95	0.97648	0.00050	4.55	0.97130	0.00052
5.20	0.97566	0.00050	5.00	0.98009	0.00051	4.60	0.97487	0.00051
5.25	0.97955	0.00050	5.05	0.98328	0.00049	4.65	0.97980	0.00054
5.30	0.98367	0.00051	5.10	0.98682	0.00052	4.70	0.98314	0.00051
5.35	0.98658	0.00050	5.15	0.99042	0.00051	4.75	0.98799	0.00052
5.40	0.98987	0.00050	5.20	0.99393	0.00051	4.80	0.99119	0.00053
5.45	0.99277	0.00047	5.25	0.99753	0.00050	4.85	0.99406	0.00050
5.50	0.99604	0.00047	5.30	1.00109	0.00050	4.90	0.99811	0.00052
5.55	0.99933	0.00047	5.35	1.00487	0.00052	4.95	1.00241	0.00050
5.60	1.00343	0.00048	5.40	1.00842	0.00052	5.00	1.00611	0.00051
5.65	1.00585	0.00049						
5.70	1.00946	0.00050						
5.75	1.01321	0.00048						
5.80	1.01523	0.00049						
5.85	1.01871	0.00048						
5.90	1.02092	0.00049						

1500			1700			1900		
3.80	0.92987	0.00055	3.70	0.92973	0.00052	3.60	0.92658	0.00057
3.85	0.93413	0.00053	3.75	0.93374	0.00055	3.65	0.93244	0.00057
3.90	0.93989	0.00055	3.80	0.93907	0.00055	3.70	0.93633	0.00055
3.95	0.94333	0.00054	3.85	0.94439	0.00054	3.75	0.94107	0.00053
4.00	0.94937	0.00055	3.90	0.94974	0.00054	3.80	0.94629	0.00056
4.05	0.95368	0.00052	3.95	0.95376	0.00055	3.85	0.95004	0.00054
4.10	0.95827	0.00053	4.00	0.95837	0.00055	3.90	0.95423	0.00053
4.15	0.96132	0.00054	4.05	0.96269	0.00054	3.95	0.95930	0.00057

4.20	0.96669	0.00052	4.10	0.96735	0.00054	4.00	0.96412	0.00054
4.25	0.97026	0.00053	4.15	0.97015	0.00056	4.05	0.96760	0.00054
4.30	0.97378	0.00055	4.20	0.97525	0.00055	4.10	0.97246	0.00055
4.35	0.97993	0.00055	4.25	0.97954	0.00055	4.15	0.97672	0.00055
4.40	0.98252	0.00054	4.30	0.98355	0.00054	4.20	0.98130	0.00053
4.45	0.98680	0.00055	4.35	0.98807	0.00056	4.25	0.98557	0.00056
4.50	0.99095	0.00053	4.40	0.99358	0.00055	4.30	0.98909	0.00055
4.55	0.99600	0.00053	4.45	0.99733	0.00054	4.35	0.99335	0.00055
4.60	0.99952	0.00055	4.50	1.00016	0.00054	4.40	0.99796	0.00055
4.65	1.00330	0.00054	4.55	1.00418	0.00056	4.45	1.00178	0.00056
4.70	1.00769	0.00056	4.60	1.00769	0.00056	4.50	1.00495	0.00055

2000			2100			2500		
3.60	0.92898	0.00056	3.60	0.93011	0.00054	3.60	0.93222	0.00057
3.65	0.93433	0.00056	3.65	0.93422	0.00055	3.65	0.93652	0.00057
3.70	0.93812	0.00054	3.70	0.94032	0.00055	3.70	0.94155	0.00057
3.75	0.94294	0.00056	3.75	0.94501	0.00055	3.75	0.94582	0.00055
3.80	0.94764	0.00056	3.80	0.94959	0.00056	3.80	0.95044	0.00057
3.85	0.95201	0.00053	3.85	0.95427	0.00056	3.90	0.95898	0.00056
3.90	0.95676	0.00053	3.90	0.95846	0.00055	3.95	0.96377	0.00058
3.95	0.96119	0.00056	3.95	0.96169	0.00053	4.00	0.96845	0.00056
4.00	0.96515	0.00055	4.00	0.96694	0.00056	4.05	0.97188	0.00056
4.05	0.97004	0.00056	4.05	0.97075	0.00054	4.10	0.97662	0.00056
4.10	0.97484	0.00054	4.10	0.97582	0.00057	4.15	0.98011	0.00055
4.15	0.97885	0.00055	4.15	0.98057	0.00058	4.20	0.98543	0.00055
4.20	0.98280	0.00056	4.20	0.98422	0.00053	4.30	0.99215	0.00055
4.25	0.98691	0.00054	4.25	0.98866	0.00055	4.35	0.99601	0.00055
4.30	0.99155	0.00057	4.30	0.99262	0.00056	4.40	1.00080	0.00058
4.35	0.99570	0.00052	4.35	0.99682	0.00054	4.45	1.00478	0.00056
4.40	1.00053	0.00056	4.40	1.00055	0.00053	4.50	1.00821	0.00056
4.45	1.00289	0.00057	4.45	1.00445	0.00054			
4.50	1.00695	0.00056	4.50	1.00856	0.00056			

3000			4000			5000		
3.70	0.93700	0.00055	3.80	0.92339	0.00058	4.40	0.93319	0.00056
3.75	0.94115	0.00057	3.85	0.92713	0.00054	4.45	0.93593	0.00056
3.80	0.94554	0.00058	3.90	0.93106	0.00056	4.50	0.93971	0.00056
3.85	0.94996	0.00056	3.95	0.93453	0.00054	4.55	0.94159	0.00057
3.90	0.95461	0.00058	4.00	0.93862	0.00057	4.60	0.94545	0.00054
3.95	0.95807	0.00055	4.05	0.94183	0.00056	4.65	0.94762	0.00054
4.00	0.96278	0.00056	4.10	0.94616	0.00057	4.70	0.95119	0.00055
4.05	0.96656	0.00056	4.15	0.94928	0.00056	4.75	0.95352	0.00056
4.10	0.97000	0.00057	4.20	0.95319	0.00056	4.80	0.95721	0.00055
4.15	0.97422	0.00056	4.25	0.95555	0.00057	4.85	0.96038	0.00054
4.20	0.97742	0.00056	4.30	0.96118	0.00056	4.90	0.96222	0.00055
4.25	0.98216	0.00056	4.35	0.96389	0.00055	4.95	0.96407	0.00055
4.30	0.98581	0.00056	4.40	0.96706	0.00056	5.00	0.96768	0.00054
4.35	0.98993	0.00057	4.45	0.97009	0.00058	5.05	0.97037	0.00053
4.40	0.99296	0.00057	4.50	0.97438	0.00055	5.10	0.97370	0.00054
4.45	0.99645	0.00058	4.55	0.97660	0.00056	5.15	0.97623	0.00053
4.50	1.00003	0.00057	4.60	0.98045	0.00056	5.20	0.97828	0.00058
4.55	1.00526	0.00057	4.65	0.98295	0.00056	5.25	0.98054	0.00056
4.60	1.00798	0.00056	4.70	0.98716	0.00059	5.30	0.98304	0.00055

4.75	0.99017	0.00057
4.80	0.99383	0.00057
4.85	0.99569	0.00058
4.90	0.99978	0.00055
4.95	1.00241	0.00056
5.00	1.00594	0.00057

5.35	0.98595	0.00056
5.40	0.98841	0.00055
5.45	0.99210	0.00055
5.50	0.99325	0.00053
5.55	0.99660	0.00056
5.60	0.99910	0.00053
5.65	1.00089	0.00055
5.70	1.00314	0.00057
5.75	1.00723	0.00054
5.80	1.00911	0.00056

6000		
5.20	0.93614	0.00056
5.30	0.94052	0.00053
5.40	0.94629	0.00055
5.50	0.94979	0.00054
5.60	0.95566	0.00055
5.70	0.95903	0.00054
5.80	0.96377	0.00054
5.90	0.96814	0.00054
6.00	0.97183	0.00054
6.10	0.97552	0.00054
6.20	0.97940	0.00052
6.30	0.98340	0.00052
6.40	0.98878	0.00054
6.50	0.99082	0.00053
6.60	0.99602	0.00054
6.70	0.99930	0.00056
6.80	1.00236	0.00055
6.90	1.00689	0.00055

7000		
6.40	0.93835	0.00051
6.50	0.94168	0.00049
6.60	0.94494	0.00051
6.70	0.94847	0.00051
6.80	0.95258	0.00051
6.90	0.95582	0.00052
7.00	0.95809	0.00052
7.10	0.96196	0.00052
7.20	0.96534	0.00050
7.30	0.96740	0.00053
7.40	0.97091	0.00053
7.50	0.97370	0.00050
7.60	0.97676	0.00055
7.70	0.97871	0.00050
7.80	0.98215	0.00054
7.90	0.98501	0.00052
8.00	0.98755	0.00051
8.10	0.99030	0.00051
8.20	0.99231	0.00049
8.30	0.99559	0.00049
8.40	0.99760	0.00051
8.50	1.00089	0.00052
8.60	1.00234	0.00053
8.70	1.00545	0.00053
8.80	1.00770	0.00054
8.90	1.01074	0.00053
9.00	1.01275	0.00050

7500		
7.20	0.93833	0.00050
7.30	0.94188	0.00049
7.40	0.94447	0.00051
7.50	0.94704	0.00050
7.60	0.94903	0.00053
7.70	0.95241	0.00049
7.80	0.95508	0.00051
7.90	0.95758	0.00049
8.00	0.96051	0.00049
8.10	0.96267	0.00050
8.20	0.96418	0.00049
8.30	0.96717	0.00051
8.40	0.96906	0.00051
8.50	0.97264	0.00051
8.60	0.97394	0.00050
8.70	0.97678	0.00051
8.80	0.97931	0.00050
8.90	0.98193	0.00050
9.00	0.98390	0.00048
9.10	0.98498	0.00050
9.20	0.98754	0.00050
9.30	0.99067	0.00051
9.40	0.99240	0.00050
9.50	0.99374	0.00049
9.60	0.99778	0.00050
9.70	0.99707	0.00052
9.80	0.99917	0.00050
9.90	1.00218	0.00050
10.00	1.00394	0.00048
10.10	1.00540	0.00050
10.20	1.00879	0.00051

8000		
8.00	0.93252	0.00048
8.20	0.93679	0.00047
8.40	0.94290	0.00048
8.60	0.94619	0.00050
8.80	0.95057	0.00049
9.00	0.95496	0.00048
9.20	0.95922	0.00050
9.40	0.96309	0.00049

9000		
10.00	0.91644	0.00045
10.50	0.92339	0.00045
11.00	0.93017	0.00045
11.50	0.93742	0.00047
12.00	0.94315	0.00046
12.50	0.94895	0.00045
13.00	0.95482	0.00045
13.50	0.96013	0.00044

10000		
18.00	0.93259	0.00041
19.00	0.93682	0.00041
20.00	0.94282	0.00041
21.00	0.94787	0.00040
22.00	0.95150	0.00038
23.00	0.95523	0.00040
24.00	0.95975	0.00038
25.00	0.96222	0.00038

9.60	0.96714	0.00050	14.00	0.96609	0.00044	26.00	0.96577	0.00039
9.80	0.97066	0.00052	14.50	0.97044	0.00046	27.00	0.96845	0.00038
10.00	0.97389	0.00049	15.00	0.97445	0.00046	28.00	0.97111	0.00036
10.20	0.97726	0.00047	15.50	0.97826	0.00042	29.00	0.97374	0.00038
10.40	0.98065	0.00048	16.00	0.98292	0.00045	30.00	0.97600	0.00037
10.60	0.98497	0.00048	16.50	0.98674	0.00045	31.00	0.97795	0.00038
10.80	0.98788	0.00049	17.00	0.99001	0.00045	32.00	0.98008	0.00037
11.00	0.99085	0.00049	17.50	0.99393	0.00044	33.00	0.98153	0.00037
11.20	0.99413	0.00048	18.00	0.99751	0.00045	34.00	0.98469	0.00038
11.40	0.99659	0.00048	18.50	1.00009	0.00042	35.00	0.98541	0.00035
11.60	1.00007	0.00049	19.00	1.00297	0.00044	36.00	0.98815	0.00036
11.80	1.00290	0.00048	19.50	1.00636	0.00042	37.00	0.98823	0.00035
12.00	1.00612	0.00049	20.00	1.00891	0.00043	38.00	0.99061	0.00037
			20.50	1.01079	0.00043	39.00	0.99160	0.00037
			21.00	1.01468	0.00044	40.00	0.99288	0.00036
			21.50	1.01686	0.00042	41.00	0.99404	0.00036
			22.00	1.01892	0.00042	42.00	0.99475	0.00036
						43.00	0.99636	0.00035
						44.00	0.99707	0.00038
						45.00	0.99843	0.00035
						46.00	0.99883	0.00035
						47.00	0.99951	0.00036
						48.00	1.00073	0.00036
						49.00	1.00111	0.00036
						50.00	1.00161	0.00035
						51.00	1.00323	0.00036
						52.00	1.00316	0.00034

15000			18900		
999.98	0.91668	0.00027	999.98	0.91632	0.00028
999.99	0.91668	0.00027	999.99	0.91632	0.00028

sumtable.u5o2-sp-0013-00

20			25			30		
999.98	0.03584	0.00003	999.98	0.04447	0.00004	999.98	0.05318	0.00005
999.99	0.03584	0.00003	999.99	0.04447	0.00004	999.99	0.05318	0.00005
40			45			50		
999.98	0.06982	0.00006	999.98	0.07796	0.00006	999.98	0.08630	0.00006
999.99	0.06982	0.00006	999.99	0.07796	0.00006	999.99	0.08630	0.00006
55			60			65		
999.98	0.09410	0.00008	999.98	0.10210	0.00009	999.98	0.10974	0.00009
999.99	0.09410	0.00008	999.99	0.10210	0.00009	999.99	0.10974	0.00009
70			80			100		
999.98	0.11758	0.00010	999.98	0.13295	0.00011	999.98	0.16226	0.00012
999.99	0.11758	0.00010	999.99	0.13295	0.00011	999.99	0.16226	0.00012
130			150			170		
999.98	0.20396	0.00017	999.98	0.23034	0.00020	999.98	0.25538	0.00022
999.99	0.20396	0.00017	999.99	0.23034	0.00020	999.99	0.25538	0.00022

200			350			500		
999.98	0.29175	0.00023	999.98	0.44315	0.00041	999.98	0.55985	0.00041
999.99	0.29175	0.00023	999.99	0.44315	0.00041	999.99	0.55985	0.00041

800			1000			1500		
999.98	0.72476	0.00057	999.98	0.80292	0.00072	999.98	0.93243	0.00078
999.99	0.72476	0.00057	999.99	0.80292	0.00072	999.99	0.93243	0.00078

1700			1900			2000		
999.98	0.96594	0.00090	999.98	0.99375	0.00089	40.00	0.90783	0.00060
999.99	0.96594	0.00090	999.99	0.99375	0.00089	45.00	0.92584	0.00057
						50.00	0.93870	0.00060
						55.00	0.95142	0.00056
						60.00	0.95832	0.00056
						65.00	0.96336	0.00053
						70.00	0.97011	0.00054
						75.00	0.97444	0.00055
						80.00	0.97768	0.00053
						85.00	0.98071	0.00051
						90.00	0.98264	0.00054
						95.00	0.98492	0.00048
						100.00	0.98638	0.00052
						105.00	0.98798	0.00052
						110.00	0.99098	0.00048
						115.00	0.99144	0.00046
						120.00	0.99323	0.00050
						125.00	0.99467	0.00046
						130.00	0.99550	0.00051
						135.00	0.99649	0.00047
						140.00	0.99633	0.00051
						145.00	0.99717	0.00052
						150.00	0.99802	0.00047
						155.00	0.99775	0.00050
						160.00	0.99890	0.00047
						165.00	1.00007	0.00048
						170.00	0.99859	0.00050
						175.00	0.99924	0.00049
						180.00	0.99968	0.00048
						185.00	1.00007	0.00051
						190.00	1.00075	0.00049
						195.00	1.00106	0.00048
						200.00	1.00236	0.00050

2100			2300			2500		
40.00	0.91755	0.00065	40.00	0.93304	0.00059	30.00	0.88038	0.00066
42.50	0.92703	0.00054	42.00	0.94037	0.00062	32.00	0.89653	0.00071
45.00	0.93502	0.00065	44.00	0.94721	0.00065	34.00	0.91101	0.00064
47.50	0.94284	0.00059	46.00	0.95513	0.00062	36.00	0.92380	0.00064
50.00	0.95076	0.00057	48.00	0.95993	0.00066	38.00	0.93419	0.00064
52.50	0.95462	0.00056	50.00	0.96447	0.00060	40.00	0.94495	0.00063
55.00	0.96041	0.00056	52.00	0.96984	0.00064	42.00	0.95332	0.00065
57.50	0.96414	0.00058	54.00	0.97469	0.00059	44.00	0.95931	0.00063
60.00	0.96788	0.00054	56.00	0.97882	0.00062	46.00	0.96711	0.00065
62.50	0.97130	0.00058	58.00	0.98220	0.00054	48.00	0.97328	0.00061
65.00	0.97332	0.00052	60.00	0.98411	0.00057	50.00	0.97825	0.00061
67.50	0.97644	0.00057	62.00	0.98690	0.00059	52.00	0.98324	0.00065
70.00	0.98123	0.00055	64.00	0.98880	0.00060	54.00	0.98696	0.00061
72.50	0.98163	0.00055	66.00	0.99269	0.00060	56.00	0.99177	0.00063

75.00	0.98310	0.00054	68.00	0.99461	0.00059	58.00	0.99484	0.00061
77.50	0.98633	0.00053	70.00	0.99775	0.00055	60.00	0.99935	0.00057
80.00	0.98786	0.00055	72.00	0.99859	0.00054	62.00	1.00031	0.00059
82.50	0.98873	0.00051	74.00	1.00019	0.00052	64.00	1.00439	0.00061
85.00	0.98959	0.00052	76.00	1.00068	0.00057	66.00	1.00662	0.00059
87.50	0.99276	0.00053	78.00	1.00383	0.00055	68.00	1.00810	0.00058
90.00	0.99398	0.00050	80.00	1.00483	0.00055	70.00	1.01122	0.00059
92.50	0.99386	0.00056	82.00	1.00688	0.00056	72.00	1.01242	0.00055
95.00	0.99674	0.00051	84.00	1.00680	0.00055	74.00	1.01326	0.00054
97.50	0.99802	0.00052	86.00	1.00980	0.00052	76.00	1.01514	0.00056
100.00	0.99768	0.00049	88.00	1.00880	0.00053	78.00	1.01753	0.00056
102.50	0.99809	0.00054	90.00	1.01094	0.00055	80.00	1.01964	0.00055
105.00	0.99936	0.00050	92.00	1.01202	0.00054			
107.50	1.00035	0.00052	94.00	1.01318	0.00051			
110.00	1.00075	0.00052	96.00	1.01417	0.00054			
			98.00	1.01483	0.00049			
			100.00	1.01523	0.00056			

2700			3000			3500		
35.00	0.92745	0.00068	33.00	0.92239	0.00073	30.00	0.90101	0.00069
36.00	0.93408	0.00066	34.00	0.92976	0.00074	32.00	0.91919	0.00077
37.00	0.93855	0.00070	35.00	0.93566	0.00071	34.00	0.93650	0.00070
38.00	0.94477	0.00068	36.00	0.94333	0.00065	36.00	0.94853	0.00068
39.00	0.95013	0.00064	37.00	0.94853	0.00066	38.00	0.96119	0.00067
40.00	0.95397	0.00063	38.00	0.95454	0.00063	40.00	0.97098	0.00065
41.00	0.95832	0.00065	39.00	0.95980	0.00067	42.00	0.98010	0.00068
42.00	0.96340	0.00070	40.00	0.96463	0.00068	44.00	0.98844	0.00070
43.00	0.96573	0.00064	41.00	0.96679	0.00069	46.00	0.99650	0.00071
44.00	0.97153	0.00069	42.00	0.97347	0.00069	48.00	1.00170	0.00069
45.00	0.97494	0.00065	43.00	0.97739	0.00065	50.00	1.00880	0.00068
46.00	0.97586	0.00064	44.00	0.98069	0.00067	52.00	1.01304	0.00064
47.00	0.97939	0.00064	45.00	0.98240	0.00063	54.00	1.01661	0.00069
48.00	0.98322	0.00063	46.00	0.98778	0.00065	56.00	1.02044	0.00067
49.00	0.98610	0.00063	47.00	0.98923	0.00067	58.00	1.02466	0.00069
50.00	0.98749	0.00064	48.00	0.99501	0.00066	60.00	1.02933	0.00064
51.00	0.99156	0.00065	49.00	0.99715	0.00063	62.00	1.03183	0.00061
52.00	0.99195	0.00062	50.00	0.99924	0.00065	64.00	1.03523	0.00063
53.00	0.99605	0.00067	51.00	1.00174	0.00067	66.00	1.03725	0.00066
54.00	0.99791	0.00061	52.00	1.00501	0.00063	68.00	1.03914	0.00061
55.00	0.99828	0.00061				70.00	1.04230	0.00063
56.00	1.00076	0.00061						
57.00	1.00387	0.00060						
58.00	1.00762	0.00059						
59.00	1.00712	0.00059						
60.00	1.00642	0.00067						

4000			4500			5000		
30.00	0.89862	0.00079	30.00	0.89078	0.00081	36.00	0.92283	0.00071
31.00	0.90850	0.00074	31.00	0.89672	0.00081	37.00	0.93054	0.00070
32.00	0.91757	0.00075	32.00	0.90869	0.00074	38.00	0.93688	0.00078
33.00	0.92636	0.00074	33.00	0.91524	0.00076	39.00	0.94138	0.00075
34.00	0.93488	0.00072	34.00	0.92224	0.00071	40.00	0.94735	0.00070
35.00	0.94089	0.00071	35.00	0.93357	0.00074	41.00	0.95280	0.00073
36.00	0.94831	0.00077	36.00	0.93771	0.00073	42.00	0.95522	0.00074
37.00	0.95402	0.00072	37.00	0.94627	0.00076	43.00	0.96054	0.00067
38.00	0.96018	0.00073	38.00	0.95097	0.00071	44.00	0.96407	0.00071
39.00	0.96496	0.00072	39.00	0.95527	0.00074	45.00	0.96868	0.00071

40.00	0.97132	0.00072
41.00	0.97499	0.00076
42.00	0.97901	0.00071
43.00	0.98291	0.00066
44.00	0.98547	0.00069
45.00	0.99150	0.00071
46.00	0.99569	0.00068
47.00	0.99675	0.00069
48.00	1.00126	0.00070
49.00	1.00554	0.00068
50.00	1.00908	0.00068
51.00	1.00913	0.00065
52.00	1.01138	0.00067
53.00	1.01437	0.00070
54.00	1.01526	0.00072
55.00	1.01943	0.00070
56.00	1.02007	0.00067
57.00	1.02337	0.00074
58.00	1.02525	0.00068
59.00	1.02621	0.00072
60.00	1.02741	0.00068

40.00	0.96232	0.00073
41.00	0.96656	0.00073
42.00	0.97229	0.00073
43.00	0.97542	0.00072
44.00	0.97916	0.00069
45.00	0.98309	0.00070
46.00	0.98641	0.00073
47.00	0.98894	0.00073
48.00	0.99215	0.00071
49.00	0.99647	0.00067
50.00	0.99934	0.00068
51.00	1.00202	0.00067
52.00	1.00329	0.00072
53.00	1.00718	0.00068
54.00	1.00836	0.00071
55.00	1.00984	0.00068
56.00	1.01184	0.00066
57.00	1.01735	0.00065
58.00	1.01719	0.00070
59.00	1.01786	0.00073
60.00	1.02309	0.00068
61.00	1.02103	0.00068
62.00	1.02284	0.00070
63.00	1.02581	0.00065
64.00	1.02885	0.00068

46.00	0.97177	0.00073
47.00	0.97647	0.00074
48.00	0.97787	0.00072
49.00	0.98150	0.00067
50.00	0.98516	0.00070
51.00	0.98991	0.00069
52.00	0.99209	0.00066
53.00	0.99197	0.00070
54.00	0.99524	0.00071
55.00	0.99658	0.00062
56.00	0.99980	0.00072
57.00	1.00025	0.00068
58.00	1.00439	0.00066
59.00	1.00566	0.00069
60.00	1.00731	0.00066

5500		
40.00	0.92792	0.00069
42.00	0.93636	0.00077
44.00	0.94409	0.00077
46.00	0.95246	0.00073
48.00	0.96046	0.00067
50.00	0.96658	0.00071
52.00	0.97268	0.00077
54.00	0.97636	0.00067
56.00	0.98115	0.00075
58.00	0.98581	0.00074
60.00	0.98901	0.00075
62.00	0.99186	0.00072
64.00	0.99454	0.00070
66.00	0.99779	0.00075
68.00	1.00232	0.00071
70.00	1.00384	0.00070
72.00	1.00646	0.00071
74.00	1.00668	0.00069
76.00	1.01016	0.00067
78.00	1.01094	0.00065
80.00	1.01265	0.00068
82.00	1.01489	0.00070
84.00	1.01773	0.00066
86.00	1.01657	0.00066
88.00	1.01896	0.00067
90.00	1.01987	0.00064

6000		
40.00	0.90356	0.00074
45.00	0.92445	0.00070
50.00	0.94199	0.00071
55.00	0.95500	0.00072
60.00	0.96504	0.00068
65.00	0.97346	0.00069
70.00	0.98087	0.00072
75.00	0.98634	0.00068
80.00	0.98931	0.00067
85.00	0.99330	0.00069
90.00	0.99606	0.00070
95.00	0.99845	0.00061
100.00	1.00138	0.00064
105.00	1.00456	0.00065
110.00	1.00690	0.00067
115.00	1.00658	0.00064
120.00	1.00933	0.00064
125.00	1.00969	0.00064
130.00	1.00992	0.00067
135.00	1.01253	0.00064
140.00	1.01376	0.00069

7000		
999.98	0.96721	0.00128
999.99	0.96721	0.00128

7500		
999.98	0.92811	0.00127
999.99	0.92811	0.00127

8000		
999.98	0.88540	0.00140
999.99	0.88540	0.00140

9000		
999.98	0.77642	0.00129
999.99	0.77642	0.00129

10000		
999.98	0.63798	0.00111
999.99	0.63798	0.00111

15000		
999.98	0.47377	0.00076
999.99	0.47377	0.00076

18900		
999.98	0.47299	0.00082
999.99	0.47299	0.00082

```
sumtable.u5o2-sp-0013-01
            20                      25                      30
999.98 0.03584 0.00003   999.98 0.04447 0.00004   999.98 0.05318 0.00005
999.99 0.03584 0.00003   999.99 0.04447 0.00004   999.99 0.05318 0.00005

            40                      45                      50
999.98 0.06982 0.00006   999.98 0.07796 0.00006   999.98 0.08630 0.00006
999.99 0.06982 0.00006   999.99 0.07796 0.00006   999.99 0.08630 0.00006

            55                      60                      65
999.98 0.09410 0.00008   999.98 0.10210 0.00009   999.98 0.10974 0.00009
999.99 0.09410 0.00008   999.99 0.10210 0.00009   999.99 0.10974 0.00009

            70                      80                     100
999.98 0.11758 0.00010   999.98 0.13295 0.00011   999.98 0.16226 0.00012
999.99 0.11758 0.00010   999.99 0.13295 0.00011   999.99 0.16226 0.00012

           130                     150                     170
999.98 0.20396 0.00017   999.98 0.23034 0.00020   999.98 0.25538 0.00022
999.99 0.20396 0.00017   999.99 0.23034 0.00020   999.99 0.25538 0.00022

           200                     350                     500
999.98 0.29175 0.00023   999.98 0.44315 0.00041   999.98 0.55985 0.00041
999.99 0.29175 0.00023   999.99 0.44315 0.00041   999.99 0.55985 0.00041

           800                    1000                    1500
999.98 0.72476 0.00057   999.98 0.80292 0.00072   999.98 0.93243 0.00078
999.99 0.72476 0.00057   999.99 0.80292 0.00072   999.99 0.93243 0.00078

          1700                    1900                    2000
999.98 0.96594 0.00090   999.98 0.99375 0.00089    40.00 0.91392 0.00061
999.99 0.96594 0.00090   999.99 0.99375 0.00089    45.00 0.93030 0.00057
                                                   50.00 0.94383 0.00055
                                                   55.00 0.95366 0.00056
                                                   60.00 0.96019 0.00055
                                                   65.00 0.96614 0.00055
                                                   70.00 0.97167 0.00051
                                                   75.00 0.97586 0.00052
                                                   80.00 0.97855 0.00053
                                                   85.00 0.98231 0.00050
                                                   90.00 0.98449 0.00052
                                                   95.00 0.98566 0.00051
                                                  100.00 0.98905 0.00051
                                                  105.00 0.98924 0.00053
                                                  110.00 0.99247 0.00049
                                                  115.00 0.99235 0.00051
                                                  120.00 0.99314 0.00048
                                                  125.00 0.99339 0.00049
                                                  130.00 0.99522 0.00049
                                                  135.00 0.99637 0.00051
                                                  140.00 0.99574 0.00050
                                                  145.00 0.99653 0.00048
                                                  150.00 0.99748 0.00048
                                                  155.00 0.99887 0.00047
                                                  160.00 0.99929 0.00047
                                                  165.00 0.99998 0.00049
                                                  170.00 0.99943 0.00047
                                                  175.00 0.99946 0.00049
                                                  180.00 1.00198 0.00048
```

2100			2300			2500		
44.00	0.93715	0.00059	30.00	0.88263	0.00061	30.00	0.89377	0.00067
46.00	0.94320	0.00063	32.00	0.89683	0.00066	31.00	0.90289	0.00066
48.00	0.94887	0.00060	34.00	0.91158	0.00067	32.00	0.90953	0.00063
50.00	0.95239	0.00056	36.00	0.92183	0.00063	33.00	0.91644	0.00068
52.00	0.95615	0.00056	38.00	0.93150	0.00058	34.00	0.92134	0.00064
54.00	0.96065	0.00057	40.00	0.93931	0.00065	35.00	0.92800	0.00065
56.00	0.96484	0.00054	42.00	0.94696	0.00061	36.00	0.93275	0.00066
58.00	0.96692	0.00055	44.00	0.95305	0.00060	37.00	0.93675	0.00064
60.00	0.97021	0.00056	46.00	0.96008	0.00059	38.00	0.94456	0.00062
62.00	0.97234	0.00054	48.00	0.96415	0.00058	39.00	0.94879	0.00065
64.00	0.97695	0.00055	50.00	0.97013	0.00057	40.00	0.95314	0.00059
66.00	0.97992	0.00054	52.00	0.97263	0.00058	41.00	0.95522	0.00066
68.00	0.98098	0.00056	54.00	0.97714	0.00060	42.00	0.95943	0.00066
70.00	0.97994	0.00052	56.00	0.98020	0.00057	43.00	0.96200	0.00060
72.00	0.98324	0.00053	58.00	0.98497	0.00062	44.00	0.96521	0.00067
74.00	0.98445	0.00052	60.00	0.98688	0.00061	45.00	0.96898	0.00062
76.00	0.98622	0.00056	62.00	0.98855	0.00056	46.00	0.97190	0.00060
78.00	0.98963	0.00054	64.00	0.99158	0.00060	47.00	0.97588	0.00060
80.00	0.98971	0.00054	66.00	0.99395	0.00056	48.00	0.97679	0.00062
82.00	0.98928	0.00053	68.00	0.99771	0.00056	49.00	0.97905	0.00062
84.00	0.99223	0.00056	70.00	1.00023	0.00057	50.00	0.98293	0.00062
86.00	0.99288	0.00051	72.00	1.00093	0.00057	51.00	0.98474	0.00059
88.00	0.99232	0.00054	74.00	1.00251	0.00057	52.00	0.98696	0.00060
90.00	0.99459	0.00048	76.00	1.00339	0.00057	53.00	0.98790	0.00054
92.00	0.99526	0.00053	78.00	1.00516	0.00057	54.00	0.99081	0.00063
94.00	0.99704	0.00057	80.00	1.00745	0.00058	55.00	0.99326	0.00060
96.00	0.99638	0.00049				56.00	0.99427	0.00056
98.00	0.99675	0.00048				57.00	0.99695	0.00058
100.00	0.99858	0.00052				58.00	0.99759	0.00061
102.00	1.00153	0.00052				59.00	0.99875	0.00058
104.00	0.99977	0.00051				60.00	0.99965	0.00059
106.00	1.00085	0.00052				61.00	1.00199	0.00057
108.00	1.00123	0.00048				62.00	1.00297	0.00056
110.00	1.00190	0.00049				63.00	1.00453	0.00057
112.00	1.00169	0.00052						
114.00	1.00127	0.00048						
116.00	1.00463	0.00052						
118.00	1.00334	0.00050						
120.00	1.00335	0.00049						

2700			3000			3500		
30.00	0.90438	0.00068	30.00	0.91295	0.00072	32.00	0.93493	0.00077
31.00	0.91065	0.00070	31.00	0.92052	0.00069	32.50	0.93757	0.00072
32.00	0.91945	0.00066	32.00	0.92697	0.00067	33.00	0.94077	0.00069
33.00	0.92663	0.00066	33.00	0.93576	0.00071	33.50	0.94473	0.00072
34.00	0.93155	0.00068	34.00	0.94046	0.00069	34.00	0.94724	0.00072
35.00	0.93652	0.00068	35.00	0.94665	0.00068	34.50	0.95024	0.00064
36.00	0.94162	0.00067	36.00	0.95428	0.00065	35.00	0.95533	0.00073
37.00	0.94870	0.00065	37.00	0.95712	0.00066	35.50	0.95515	0.00073
38.00	0.95315	0.00062	38.00	0.96247	0.00069	36.00	0.95945	0.00074
39.00	0.95744	0.00067	39.00	0.96807	0.00068	36.50	0.96298	0.00070
40.00	0.96148	0.00062	40.00	0.97221	0.00066	37.00	0.96506	0.00067
41.00	0.96640	0.00063	41.00	0.97718	0.00057	37.50	0.96583	0.00067
42.00	0.97089	0.00065	42.00	0.97854	0.00067	38.00	0.97076	0.00073
43.00	0.97268	0.00067	43.00	0.98292	0.00060	38.50	0.97235	0.00071
44.00	0.97604	0.00063	44.00	0.98866	0.00068	39.00	0.97477	0.00067
45.00	0.97773	0.00062	45.00	0.99112	0.00067	39.50	0.97735	0.00069

46.00	0.98247	0.00064
47.00	0.98464	0.00058
48.00	0.98740	0.00059
49.00	0.99028	0.00064
50.00	0.99320	0.00060
51.00	0.99599	0.00060
52.00	0.99476	0.00059
53.00	0.99954	0.00060
54.00	1.00032	0.00061

46.00	0.99226	0.00066
47.00	0.99400	0.00063
48.00	0.99868	0.00063
49.00	1.00039	0.00068
50.00	1.00283	0.00066

40.00	0.97977	0.00070
40.50	0.98138	0.00071
41.00	0.98351	0.00067
41.50	0.98564	0.00076
42.00	0.98655	0.00073
42.50	0.98840	0.00067
43.00	0.99082	0.00065
43.50	0.99140	0.00069
44.00	0.99480	0.00069
44.50	0.99579	0.00070
45.00	0.99807	0.00070
45.50	1.00056	0.00065
46.00	1.00033	0.00066
46.50	1.00204	0.00068
47.00	1.00368	0.00068
47.50	1.00570	0.00066
48.00	1.00535	0.00067
48.50	1.00802	0.00068
49.00	1.00865	0.00065
49.50	1.01125	0.00069
50.00	1.01180	0.00062

4000

32.00	0.93165	0.00070
33.00	0.93933	0.00070
34.00	0.94650	0.00072
35.00	0.95223	0.00074
36.00	0.95902	0.00071
37.00	0.96302	0.00073
38.00	0.96704	0.00072
39.00	0.97266	0.00078
40.00	0.97904	0.00071
41.00	0.98161	0.00065
42.00	0.98761	0.00070
43.00	0.99056	0.00070
44.00	0.99259	0.00066
45.00	0.99700	0.00070
46.00	1.00162	0.00069
47.00	1.00261	0.00068
48.00	1.00575	0.00069
49.00	1.00894	0.00070
50.00	1.01106	0.00071
51.00	1.01218	0.00072
52.00	1.01656	0.00067
53.00	1.01808	0.00069
54.00	1.01848	0.00067
55.00	1.02222	0.00063
56.00	1.02358	0.00069
57.00	1.02529	0.00066
58.00	1.02891	0.00067
59.00	1.03131	0.00064
60.00	1.03112	0.00066

4500

30.00	0.90771	0.00078
31.00	0.91386	0.00076
32.00	0.92508	0.00072
33.00	0.92975	0.00074
34.00	0.93695	0.00075
35.00	0.94421	0.00073
36.00	0.94715	0.00074
37.00	0.95371	0.00072
38.00	0.96221	0.00075
39.00	0.96504	0.00071
40.00	0.97111	0.00071
41.00	0.97498	0.00067
42.00	0.97860	0.00071
43.00	0.98263	0.00072
44.00	0.98532	0.00071
45.00	0.98932	0.00069
46.00	0.99253	0.00068
47.00	0.99596	0.00070
48.00	0.99818	0.00070
49.00	1.00113	0.00069
50.00	1.00287	0.00069

5000

35.00	0.92985	0.00070
36.00	0.93658	0.00070
37.00	0.94042	0.00074
38.00	0.94664	0.00066
39.00	0.95156	0.00071
40.00	0.95575	0.00075
41.00	0.95994	0.00074
42.00	0.96439	0.00070
43.00	0.96806	0.00071
44.00	0.97265	0.00072
45.00	0.97280	0.00071
46.00	0.97930	0.00070
47.00	0.98044	0.00074
48.00	0.98375	0.00074
49.00	0.98738	0.00072
50.00	0.99079	0.00067
51.00	0.99192	0.00068
52.00	0.99493	0.00076
53.00	0.99497	0.00067
54.00	0.99953	0.00071
55.00	1.00191	0.00069
56.00	1.00232	0.00066
57.00	1.00520	0.00064
58.00	1.00609	0.00069
59.00	1.00954	0.00067
60.00	1.01150	0.00066

5500			6000			7000		
37.00	0.92061	0.00068	40.00	0.91328	0.00074	999.98	0.96721	0.00128
38.00	0.92785	0.00071	42.50	0.92274	0.00073	999.99	0.96721	0.00128
39.00	0.93190	0.00076	45.00	0.93245	0.00073			
40.00	0.93632	0.00073	47.50	0.94251	0.00073			
41.00	0.94188	0.00066	50.00	0.94775	0.00068			
42.00	0.94544	0.00073	52.50	0.95556	0.00067			
43.00	0.94953	0.00068	55.00	0.96038	0.00067			
44.00	0.95269	0.00076	57.50	0.96582	0.00067			
45.00	0.95776	0.00071	60.00	0.96977	0.00075			
46.00	0.96085	0.00072	62.50	0.97288	0.00072			
47.00	0.96241	0.00071	65.00	0.97693	0.00072			
48.00	0.96559	0.00069	67.50	0.97846	0.00065			
49.00	0.97028	0.00068	70.00	0.98307	0.00068			
50.00	0.97212	0.00068	72.50	0.98552	0.00072			
51.00	0.97404	0.00069	75.00	0.99003	0.00069			
52.00	0.97727	0.00068	77.50	0.98960	0.00070			
53.00	0.97783	0.00070	80.00	0.99040	0.00064			
54.00	0.98066	0.00069	82.50	0.99336	0.00068			
55.00	0.98297	0.00076	85.00	0.99457	0.00061			
56.00	0.98632	0.00068	87.50	0.99493	0.00068			
57.00	0.98682	0.00069	90.00	0.99860	0.00065			
58.00	0.98772	0.00071	92.50	0.99928	0.00065			
59.00	0.98977	0.00069	95.00	1.00090	0.00066			
60.00	0.99205	0.00072	97.50	1.00067	0.00067			
61.00	0.99304	0.00070	100.00	1.00108	0.00063			
62.00	0.99628	0.00067	102.50	1.00447	0.00066			
63.00	0.99652	0.00071	105.00	1.00410	0.00065			
64.00	0.99868	0.00068	107.50	1.00619	0.00066			
65.00	1.00078	0.00073	110.00	1.00646	0.00067			
66.00	1.00136	0.00074	112.50	1.00525	0.00065			
67.00	1.00191	0.00072	115.00	1.00809	0.00066			
68.00	1.00410	0.00068	117.50	1.00765	0.00066			
69.00	1.00549	0.00068	120.00	1.00919	0.00069			
70.00	1.00594	0.00072						

7500			8000			9000		
999.98	0.92811	0.00127	999.98	0.88540	0.00140	999.98	0.77642	0.00129
999.99	0.92811	0.00127	999.99	0.88540	0.00140	999.99	0.77642	0.00129

10000			15000			18900		
999.98	0.63798	0.00111	999.98	0.47377	0.00076	999.98	0.47299	0.00082
999.99	0.63798	0.00111	999.99	0.47377	0.00076	999.99	0.47299	0.00082

sumtable.u5o2-sp-0013-10

	20			25			30	
999.98	0.03584	0.00003	999.98	0.04447	0.00004	999.98	0.05318	0.00005
999.99	0.03584	0.00003	999.99	0.04447	0.00004	999.99	0.05318	0.00005
	40			45			50	
999.98	0.06982	0.00006	999.98	0.07796	0.00006	999.98	0.08630	0.00006
999.99	0.06982	0.00006	999.99	0.07796	0.00006	999.99	0.08630	0.00006
	55			60			65	
999.98	0.09410	0.00008	999.98	0.10210	0.00009	999.98	0.10974	0.00009
999.99	0.09410	0.00008	999.99	0.10210	0.00009	999.99	0.10974	0.00009
	70			80			100	
999.98	0.11758	0.00010	999.98	0.13295	0.00011	999.98	0.16226	0.00012
999.99	0.11758	0.00010	999.99	0.13295	0.00011	999.99	0.16226	0.00012
	130			150			170	
999.98	0.20396	0.00017	999.98	0.23034	0.00020	999.98	0.25538	0.00022
999.99	0.20396	0.00017	999.99	0.23034	0.00020	999.99	0.25538	0.00022
	200			350			500	
999.98	0.29175	0.00023	999.98	0.44315	0.00041	999.98	0.55985	0.00041
999.99	0.29175	0.00023	999.99	0.44315	0.00041	999.99	0.55985	0.00041
	800			1000			1500	
999.98	0.72476	0.00057	999.98	0.80292	0.00072	999.98	0.93243	0.00078
999.99	0.72476	0.00057	999.99	0.80292	0.00072	999.99	0.93243	0.00078
	1700			1900			2000	
999.98	0.96594	0.00090	999.98	0.99375	0.00089	40.00	0.91953	0.00056
999.99	0.96594	0.00090	999.99	0.99375	0.00089	50.00	0.94563	0.00053
						60.00	0.96111	0.00052
						70.00	0.97368	0.00052
						80.00	0.97883	0.00053
						90.00	0.98509	0.00050
						100.00	0.98963	0.00050
						110.00	0.99118	0.00050
						120.00	0.99277	0.00049
						130.00	0.99475	0.00046
						140.00	0.99630	0.00047
						150.00	0.99755	0.00048
						160.00	0.99800	0.00048
						170.00	0.99897	0.00048
						180.00	0.99954	0.00047
						190.00	1.00018	0.00048
						200.00	1.00065	0.00050
						210.00	1.00168	0.00046
						220.00	1.00185	0.00048
						230.00	1.00269	0.00048
						240.00	1.00280	0.00047

2100		
40.00	0.92956	0.00058
42.50	0.93652	0.00059
45.00	0.94308	0.00056
47.50	0.95140	0.00054
50.00	0.95706	0.00057
52.50	0.96163	0.00057
55.00	0.96308	0.00051
57.50	0.96816	0.00053
60.00	0.97226	0.00056
62.50	0.97438	0.00057
65.00	0.97761	0.00051
67.50	0.98027	0.00056
70.00	0.98341	0.00054
72.50	0.98418	0.00053
75.00	0.98646	0.00054
77.50	0.98860	0.00052
80.00	0.99026	0.00049
82.50	0.99244	0.00051
85.00	0.99274	0.00053
87.50	0.99427	0.00050
90.00	0.99427	0.00053
92.50	0.99589	0.00053
95.00	0.99807	0.00053
97.50	0.99750	0.00055
100.00	0.99916	0.00053
102.50	0.99921	0.00052
105.00	1.00115	0.00048
107.50	1.00140	0.00049
110.00	1.00207	0.00052
112.50	1.00134	0.00054
115.00	1.00394	0.00050
117.50	1.00398	0.00050
120.00	1.00403	0.00049

2300		
38.00	0.93717	0.00057
40.00	0.94361	0.00060
42.00	0.95242	0.00060
44.00	0.95761	0.00061
46.00	0.96361	0.00061
48.00	0.96753	0.00061
50.00	0.97299	0.00059
52.00	0.97773	0.00061
54.00	0.98006	0.00058
56.00	0.98300	0.00057
58.00	0.98674	0.00058
60.00	0.98926	0.00054
62.00	0.99238	0.00055
64.00	0.99389	0.00055
66.00	0.99667	0.00058
68.00	0.99809	0.00056
70.00	0.99919	0.00058
72.00	1.00053	0.00056
74.00	1.00317	0.00060
76.00	1.00299	0.00055
78.00	1.00528	0.00053
80.00	1.00710	0.00053
82.00	1.00873	0.00054

2500		
30.00	0.90516	0.00065
31.00	0.91327	0.00063
32.00	0.91803	0.00067
33.00	0.92508	0.00063
34.00	0.93210	0.00062
35.00	0.93739	0.00069
36.00	0.93996	0.00062
37.00	0.94576	0.00061
38.00	0.94912	0.00063
39.00	0.95347	0.00061
40.00	0.95708	0.00067
41.00	0.96286	0.00063
42.00	0.96392	0.00062
43.00	0.96681	0.00062
44.00	0.97071	0.00062
45.00	0.97413	0.00060
46.00	0.97640	0.00060
47.00	0.97966	0.00059
48.00	0.98315	0.00059
49.00	0.98534	0.00058
50.00	0.98410	0.00064
51.00	0.98766	0.00058
52.00	0.98975	0.00058
53.00	0.99120	0.00056
54.00	0.99329	0.00059
55.00	0.99576	0.00056
56.00	0.99592	0.00059
57.00	1.00091	0.00057
58.00	0.99852	0.00058
59.00	1.00146	0.00058
60.00	1.00321	0.00057

2700		
30.00	0.91650	0.00070
31.00	0.92243	0.00064
32.00	0.92919	0.00065
33.00	0.93445	0.00066
34.00	0.94006	0.00063
35.00	0.94582	0.00065
36.00	0.95075	0.00064
37.00	0.95495	0.00061
38.00	0.95905	0.00066
39.00	0.96258	0.00061
40.00	0.96667	0.00060
41.00	0.97023	0.00065
42.00	0.97525	0.00058
43.00	0.97782	0.00063
44.00	0.98061	0.00061
45.00	0.98320	0.00063
46.00	0.98634	0.00062
47.00	0.98826	0.00061
48.00	0.99031	0.00057
49.00	0.99266	0.00064
50.00	0.99592	0.00063
51.00	0.99911	0.00062
52.00	1.00048	0.00061
53.00	1.00273	0.00059

3000		
30.00	0.92462	0.00070
31.00	0.93212	0.00065
32.00	0.93907	0.00069
33.00	0.94504	0.00067
34.00	0.95124	0.00067
35.00	0.95567	0.00068
36.00	0.96066	0.00066
37.00	0.96608	0.00066
38.00	0.97009	0.00063
39.00	0.97442	0.00062
40.00	0.97730	0.00067
41.00	0.98038	0.00069
42.00	0.98688	0.00059
43.00	0.98864	0.00063
44.00	0.99107	0.00063
45.00	0.99364	0.00063
46.00	0.99849	0.00063
47.00	0.99973	0.00061
48.00	1.00354	0.00063
49.00	1.00430	0.00059
50.00	1.00600	0.00058
51.00	1.00903	0.00060

3500		
20.00	0.81892	0.00072
22.00	0.84892	0.00070
24.00	0.87413	0.00069
26.00	0.89635	0.00074
28.00	0.91599	0.00069
30.00	0.93161	0.00072
32.00	0.94652	0.00069
34.00	0.95892	0.00071
36.00	0.96918	0.00068
38.00	0.97789	0.00070
40.00	0.98758	0.00064
42.00	0.99379	0.00066
44.00	0.99839	0.00064
46.00	1.00594	0.00067
48.00	1.01232	0.00067
50.00	1.01709	0.00064
52.00	1.01968	0.00059
54.00	1.02567	0.00066
56.00	1.02710	0.00067
58.00	1.03140	0.00064
60.00	1.03268	0.00068
62.00	1.03583	0.00066
64.00	1.03833	0.00064
66.00	1.04178	0.00067

68.00	1.04295	0.00062
70.00	1.04516	0.00063
72.00	1.04718	0.00064
74.00	1.04824	0.00062
76.00	1.05054	0.00063
78.00	1.05245	0.00063
80.00	1.05265	0.00065

4000

29.00	0.92434	0.00067
29.50	0.92752	0.00078
30.00	0.93075	0.00068
30.50	0.93529	0.00070
31.00	0.94053	0.00068
31.50	0.94187	0.00070
32.00	0.94565	0.00071
32.50	0.94750	0.00071
33.00	0.95252	0.00074
33.50	0.95521	0.00076
34.00	0.95672	0.00072
34.50	0.96130	0.00066
35.00	0.96166	0.00069
35.50	0.96652	0.00070
36.00	0.96724	0.00070
36.50	0.97165	0.00071
37.00	0.97202	0.00065
37.50	0.97535	0.00069
38.00	0.97858	0.00065
38.50	0.98063	0.00065
39.00	0.98134	0.00067
39.50	0.98574	0.00067
40.00	0.98584	0.00070
40.50	0.98828	0.00069
41.00	0.99181	0.00067
41.50	0.99062	0.00067
42.00	0.99269	0.00070
42.50	0.99410	0.00068
43.00	0.99657	0.00067
43.50	0.99867	0.00071
44.00	0.99982	0.00069
44.50	0.99992	0.00067
45.00	1.00280	0.00069

4500

30.00	0.92305	0.00067
31.00	0.92901	0.00074
32.00	0.93636	0.00075
33.00	0.94350	0.00070
34.00	0.95049	0.00071
35.00	0.95631	0.00077
36.00	0.95917	0.00074
37.00	0.96419	0.00070
38.00	0.96963	0.00074
39.00	0.97497	0.00070
40.00	0.97870	0.00069
41.00	0.98154	0.00071
42.00	0.98500	0.00071
43.00	0.98949	0.00068
44.00	0.99251	0.00068
45.00	0.99531	0.00065
46.00	0.99942	0.00067
47.00	1.00064	0.00063
48.00	1.00545	0.00063
49.00	1.00502	0.00066
50.00	1.00946	0.00067

5000

30.00	0.91004	0.00072
31.00	0.91686	0.00069
32.00	0.92374	0.00067
33.00	0.93022	0.00071
34.00	0.93681	0.00069
35.00	0.94108	0.00071
36.00	0.94703	0.00070
37.00	0.95144	0.00075
38.00	0.95851	0.00071
39.00	0.96077	0.00078
40.00	0.96588	0.00067
41.00	0.96923	0.00068
42.00	0.97195	0.00072
43.00	0.97705	0.00067
44.00	0.97959	0.00073
45.00	0.98202	0.00069
46.00	0.98519	0.00069
47.00	0.98754	0.00070
48.00	0.99006	0.00068
49.00	0.99204	0.00071
50.00	0.99527	0.00074
51.00	0.99897	0.00072
52.00	0.99971	0.00063
53.00	1.00059	0.00066
54.00	1.00370	0.00069
55.00	1.00489	0.00070
56.00	1.00701	0.00071
57.00	1.00864	0.00069
58.00	1.00981	0.00065
59.00	1.01250	0.00067
60.00	1.01351	0.00068

5500

30.00	0.89187	0.00073
32.00	0.90530	0.00077
34.00	0.91649	0.00072
36.00	0.92915	0.00072
38.00	0.93731	0.00067
40.00	0.94539	0.00071
42.00	0.95435	0.00069
44.00	0.96281	0.00065
46.00	0.96714	0.00069

6000

40.00	0.92489	0.00076
42.50	0.93410	0.00069
45.00	0.94228	0.00070
47.50	0.94757	0.00067
50.00	0.95402	0.00067
52.50	0.96063	0.00072
55.00	0.96606	0.00073
57.50	0.96938	0.00072
60.00	0.97346	0.00070

7000

999.98	0.96721	0.00128
999.99	0.96721	0.00128

48.00	0.97278	0.00068	62.50	0.97792	0.00069
50.00	0.97611	0.00071	65.00	0.98104	0.00064
52.00	0.98102	0.00073	67.50	0.98247	0.00068
54.00	0.98582	0.00067	70.00	0.98474	0.00063
56.00	0.99051	0.00067	72.50	0.98953	0.00070
58.00	0.99465	0.00068	75.00	0.98763	0.00068
60.00	0.99515	0.00072	77.50	0.98925	0.00066
62.00	0.99788	0.00066	80.00	0.99256	0.00072
64.00	1.00068	0.00066	82.50	0.99676	0.00066
66.00	1.00310	0.00067	85.00	0.99730	0.00064
68.00	1.00643	0.00073	87.50	0.99844	0.00067
70.00	1.00750	0.00071	90.00	0.99966	0.00069
			92.50	0.99965	0.00065
			95.00	1.00112	0.00069
			97.50	1.00255	0.00067
			100.00	1.00262	0.00067
			102.50	1.00322	0.00063
			105.00	1.00555	0.00064
			107.50	1.00646	0.00065
			110.00	1.00631	0.00067

7500			8000			9000		
999.98	0.92811	0.00127	999.98	0.88540	0.00140	999.98	0.77642	0.00129
999.99	0.92811	0.00127	999.99	0.88540	0.00140	999.99	0.77642	0.00129

10000			15000			18900		
999.98	0.63798	0.00111	999.98	0.47377	0.00076	999.96	0.47299	0.00082
999.99	0.63798	0.00111	999.99	0.47377	0.00076	999.97	0.47299	0.00082
						999.98	0.47299	0.00082
						999.99	0.47299	0.00082