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J. K. Walters
Director, Measurement Coordination

Manual of Petroleum Measurement Standards
Chapter 11.1--Volume Correction Factors
API Standard 2540 (1980, 1st Edition)
IP 200
ASTM D1250
(Tables 23B and 53B)

ERRATA SHEET

Tables 23B and 53B of the September 1980 Edition of API Standard 2540, Volume Correction Factors, contained several erroneous entries.

The corrected entries which should be used when using the two volumes are attached.

CORRECTIONS TO PRINTED VALUES IN
TABLE 23B, GENERALIZED PRODUCTS

OBSERVED RELATIVE DENSITY	OBSERVED TEMPERATURE °F	PRINTED RELATIVE DENSITY AT 60° F	CORRECTED RELATIVE DENSITY AT 60° F
.7810	210.0	.8219	.8396
.7810	210.5	.8220	.8398
.7830	205.0	.8223	.8396
.7830	205.5	.8224	.8398
.7850	200.0	.8227	.8396
.7850	200.5	.8228	.8398
.7870	195.0	.8231	.8397
.7870	195.5	.8232	.8399
.7890	190.0	.8235	.8397
.7890	190.5	.8236	.8399
.7910	185.0	.8240	.8397
.7910	185.5	.8241	.8399
.7930	180.0	.8244	.8397
.7930	180.5	.8245	.8399
.7950	174.5	.8248	.8396
.7950	175.0	.8249	.8398
.7950	175.5	.8250	.8399
.7970	169.5	.8252	.8396
.7970	170.0	.8253	.8398
.7990	164.5	.8257	.8396
.7990	165.0	.8258	.8398
.8010	159.5	.8262	.8397
.8010	160.0	.8263	.8399
.8030	154.5	.8268	.8397
.8030	155.0	.8268	.8399
.8050	149.5	.8273	.8397
.8050	150.0	.8274	.8399
.8070	144.0	.8278	.8396
.8070	144.5	.8278	.8398
.8090	139.0	.8283	.8396
.8090	139.5	.8284	.8398
.8110	134.0	.8289	.8397
.8110	134.5	.8290	.8399
.8130	129.0	.8295	.8397
.8130	129.5	.8296	.8399
.8150	123.5	.8301	.8396
.8150	124.0	.8302	.8397
.8170	118.5	.8307	.8396
.8170	119.0	.8308	.8398
.8190	113.5	.8314	.8397
.8190	114.0	.8315	.8399
.8210	108.5	.8321	.8397
.8210	109.0	.8322	.8399
.8230	103.0	.8327	.8396
.8230	103.5	.8328	.8398
.8250	98.0	.8335	.8396
.8250	98.5	.8336	.8398
.8270	93.0	.8343	.8397
.8270	93.5	.8343	.8399

<u>OBSERVED RELATIVE DENSITY</u>	<u>OBSERVED TEMPERATURE °F</u>	<u>PRINTED RELATIVE DENSITY AT 60° F</u>	<u>CORRECTED RELATIVE DENSITY AT 60° F</u>
.8290	87.5	.8350	.8396
.8290	88.0	.8351	.8398
.8310	82.5	.8358	.8397
.8310	83.0	.8359	.8398
.8330	77.5	.8367	.8397
.8330	78.0	.8368	.8399
.8350	72.0	.8375	.8396
.8350	72.5	.8376	.8398
.8370	67.0	.8384	.8397
.8370	67.5	.8385	.8399
.8390	61.5	.8393	.8396
.8390	62.0	.8394	.8398
.8410	56.5	.8403	.8397
.8410	57.0	.8404	.8398
.8430	51.0	.8413	.8396
.8430	51.5	.8414	.8397
.8430	52.0	.8415	.8399
.8450	46.0	.8424	.8396
.8450	46.5	.8425	.8398
.8470	41.0	.8435	.8397
.8470	41.5	.8436	.8399
.8490	35.5	.8447	.8396
.8490	36.0	.8448	.8398
.8510	30.5	.8459	.8397
.8510	31.0	.8460	.8399
.8530	25.0	.8471	.8396
.8530	25.5	.8472	.8398
.8550	19.5	.8484	.8396
.8550	20.0	.8485	.8398
.8550	20.5	.8486	.8400
.8570	14.5	.8499	.8397
.8570	15.0	.8500	.8399
.8590	9.0	.8513	.8396
.8590	9.5	.8514	.8398
.8610	4.0	.8529	.8397
.8610	4.5	.8530	.8399

Manual of Petroleum Measurement Standards Chapter 11.1—Volume Correction Factors

Volume V

**TABLE 23B—Generalized Products
Correction of Observed Relative
Density to Relative Density 60/60°F**

**TABLE 24B—Generalized Products
Correction of Volume to 60°F Against
Relative Density 60/60°F**

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American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



Manual of Petroleum Measurement Standards Chapter 11.1—Volume Correction Factors

Volume V

**TABLE 23B—Generalized Products
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**TABLE 24B—Generalized Products
Correction of Volume to 60°F Against
Relative Density 60/60°F**

Measurement Coordination/Industry Affairs

**API STANDARD 2540
FIRST EDITION, AUGUST 1980**

**American
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Documents

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The tables included in this volume and the subroutines from which they were generated are voluntary standards and were developed under the auspices of the joint API/ASTM Committee on Static Petroleum Measurement in part from data generated by a project funded by the American Petroleum Institute at the U.S. National Bureau of Standards, Gaithersburg, Maryland.

Inquiries concerning application of the tables or the computer subroutines should be addressed to:

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Manual of Petroleum Measurement Standards

Chapter 11—Physical Properties Data Section 1—Volume Correction Factors

Volume V

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Note to User: Both TABLES 23B and 24B are internally numbered beginning with page 1. The actual table begins after the page noted in the contents.

FOREWORD

The Objectives

The complete collection of the jointly issued API/ASTM-IP tables of which this volume is a part is the result of close cooperation between the American Petroleum Institute (API), the Institute of Petroleum (London) (IP), and the American Society for Testing and Materials (ASTM). The overall objective of this effort was to meet the worldwide need for a uniform and authoritative publication, based on the most accurate information available. This publication serves as a basis for standardized calculations of measured quantities of petroleum fluids regardless of point of origin, destination, or units of measure used by custom or statute. To meet the objective of worldwide standardized measurement practices, the American National Standards Institute (ANSI) and the British Standards Institute (BSI) have also been closely involved nationally, resulting in the acceptance of the revised tables as an American National Standard and as a British Standard. In addition, in their respective capacities as Secretariat of the International Organization for Standardization TC/28 and of TC/28 SC3, ANSI and BSI have been instrumental in progressing the revised tables towards their adoption as an international standard by the International Organization for Standardization.

Historical Notes

The present collection supersedes all previous editions of the petroleum measurement Tables ANSI/ASTM D1250, IP200, and API Standard 2540. Action is being taken in ISO/TC 28 for the corresponding tables listed in ISO R91 and the tables in the addendum to R91 to be superseded by the present revised collection.

In view of the progress of metrication in countries formerly using the British system of weights and measures, demand for the revision of the British edition does not justify the considerable work involved. The present edition will therefore be withdrawn on the same date as the corresponding metric and American editions are published and will not be replaced.

For the metric edition the new standard covers products with densities in the range 610.0 to 1076.0 kg/m³. The tables for densities below this range, covering liquefied petroleum gases, have not been revised.

The original tables, which were developed in the late 1940s, were based on the 1916 data of Bearce and Peffer (1916) and represent thirty years of evolution. The history of this evolution is summarized by Hall et al. (1975).

Present Development

Downer and Inkley (1972) demonstrated that the original tables were not satisfactory representations of many petroleum fluids of current importance. In 1974 the American Petroleum Institute (API) and the United States National Bureau of Standards (NBS) initiated a research program funded by the API which intended to provide the solid scientific base for the development of more accurate, consequently more equitable, measurement tables. The result of this program was precise density data on 349 different fluids representing a wide variety of refined products and 66.8 percent of the world crude production in 1974. The completion of this five-year, \$500,000 project in March 1979 opened the way for modernizing the tables. Using the NBS density data and taking advantage of publications of outstanding technical authorities, a Joint API-ASTM Physical Properties Working

Group produced this present collection of the Petroleum Measurement Tables. The development and results of the work are described by Hankinson et al. (1979).

Conceptual Departure

A major conceptual departure from previous versions is inherent in the recognition of the present and future position of computers in the petroleum industry. The actual Standard represented by this volume and the companion volumes is neither the hardcopy printed tables nor the set of equations used to represent the density data but is an explicit implementation procedure used to develop computer subroutines. The standardization of an implementation procedure implies the standardization of the set of mathematical expressions, including calculational sequence and round-off procedures, used within the computer code. Absolute adherence to the outlined procedures will ensure that all computers and computer codes of the future, meeting the stated specifications and restrictions, will be able to produce identical results. Hence, the published implementation procedures are the primary Standard, the distributed subroutines are the secondary standard, and the published tables are produced for convenience.

Acknowledgments

The task of completing this project could not have been accomplished without many substantial contributions by a considerable number of individuals and companies. It is impossible to single out any specific individuals for special mention. However, included in the introductory material are lists of the officers of the API's Committee on Petroleum Measurement (COPM), the officers of the Joint API/ASTM Committee on Static Petroleum Measurement (COSM), the major contributors from the Institute of Petroleum, and the members of the COSM Physical Properties Working Group.

References

- Bearce, H. W., and E. L. Peffer, "Technology Papers of National Bureau of Standards—Density and Thermal Expansion of American Petroleum Oils," GPO, pp. 125-154, Washington, DC, 1916.
 Downer, L., and F. A. Inkley, *Oil and Gas Journal*, Vol. 70, No. 25, p. 52-55, June 19, 1972.
 Hall, A. H., J. A. Simpson, and J. R. Whetstone, "Investigation of Densities and Thermal Expansion Coefficients Applicable to Petroleum Measurement," SP 7, World Petroleum Congress, Tokyo, 1975.
 Hankinson, R. W., R. G. Segers, T. Krolkowski Buck, and F. P. Gielzecki, *Oil and Gas Journal*, Vol. 77, No. 52, p. 66-70, December 24, 1979.

PREFACE

The Petroleum Measurement Tables, Volume Correction Factors (Volumes I through X), are, with this edition, incorporated into API's *Manual of Petroleum Measurement Standards*. These tables form Section 1 of Chapter 11, "Physical Properties Data." To simplify the transition from the American Society for Testing and Materials' (ASTM) publication of the original tables to API's publication in 1980, the original ASTM numerical designations have been retained for the individual tables.

The numbering system used throughout Volumes I through X corresponds to the numbering system of the *Manual of Petroleum Measurement Standards*. The system consists of a series of fields separated by decimal points. The first two fields (11.1) indicate chapter and section of the manual; the third field gives the ASTM table number. Therefore, although not serial, 11.1.5, 11.1.6, 11.1.23, 11.1.24, 11.1.53, and 11.1.54 are the major headings used. All other headings are subordinate to the three field headings.

Volumes I through IX, which are designed for field use, are arranged on a functional basis rather than on a topical basis.

First Series—Volumes I, II, and III

These three volumes contain TABLES 5 and 6, the tables for the °API, °F, 60°F base series, plus examples to guide the user. Each volume contains specific data as follows:

- Volume I —Generalized Crude Oils (TABLES 5A and 6A)
- Volume II —Generalized Products (TABLES 5B and 6B)
- Volume III —Individual and Special Applications (TABLE 6C) and an appendix describing the equations and constants used and the densities and coefficients of thermal expansion of each NBS sample.

Second Series—Volumes IV, V, and VI

These three volumes contain TABLES 23 and 24, the tables for the relative density, °F, 60°F base series, plus examples to guide the user. Each volume contains specific data as follows:

- Volume IV —Generalized Crude Oils (TABLES 23A and 24A)
- Volume V —Generalized Products (TABLES 23B and 24B)
- Volume VI —Individual and Special Applications (TABLE 24C) and an appendix describing the equations and constants used and the densities and coefficients of thermal expansion of each NBS sample.

Third Series—Volumes VII, VIII, and IX

These three volumes contain TABLES 53 and 54, the tables for the kilogram per cubic metre, °C, 15°C base series, plus examples to guide the user. Each volume contains specific data as follows:

- Volume VII —Generalized Crude Oils (TABLES 53A and 54A)
- Volume VIII—Generalized Products (TABLES 53B and 54B)
- Volume IX —Individual and Special Applications (TABLE 54C) and an appendix describing the equations and constants used and the densities and coefficients of thermal expansion for each NBS sample.

Volume X provides a complete breakdown of the Petroleum Measurement Tables, Volume Correction Factors, and references appropriate volumes for the location of specific tables. Volume X is the key volume of the entire set and contains the actual Standard, the implementation procedures, and the instructions for the

use of the computer subroutines. The history and development of the project are also included in Volume X under 11.1.6.

Inquiries concerning the application of the tables or the computer subroutines should be addressed to—

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**OFFICERS OF THE COMMITTEE ON
PETROLEUM MEASUREMENT AND
THE JOINT API/ASTM COMMITTEE ON
STATIC PETROLEUM MEASUREMENT
AT SIGNIFICANT MILESTONES
IN THE DEVELOPMENT OF THE
PETROLEUM MEASUREMENT TABLES**

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L. Downer	Chairman, Institute of Petroleum Tables Subcommittee	British Petroleum Research
B. O'Shaughnessy		British Petroleum Research
O.W. Molony		British Standards Institution
P.D. O'Connell		Institute of Petroleum

COPM—API Committee on Petroleum Measurement

COSM—Joint API/ASTM Subcommittee on Static Petroleum Measurement

NBS—U.S. National Bureau of Standards

ISO—International Organization for Standardization

Chapter 11—Physical Properties Data

SECTION 1—VOLUME CORRECTION FACTORS

11.1.23 TABLES 23A and 23B—Correction of Observed Relative Density to Relative Density 60/60°F

TABLES 23A and 23B give values of relative density 60/60°F corresponding to relative density of that fluid at temperatures other than 60°F. It is assumed that the observed densities are obtained with a glass hydrometer. The density measurements at temperatures other than 60°F require two corrections: the first is for the change in volume of the glass hydrometer with temperature, the second is for the change in the volume of the fluid with temperature. The first correction is necessary

because the glass hydrometers are calibrated for 60°F. Both corrections are applied in this table.

The data are represented by two tables to maximize accuracy while maintaining convenience of use:

TABLE 23A Generalized Crude Oils
(see Volume IV)

TABLE 23B Generalized Products

The development and intended use of these tables is described in 11.1.6 in Volume X. The parameters K_0 and K_1 are defined in 11.1.24.7.1 (see Volume VI).

The limits of these tables are illustrated in Figures V-1 and V-2.

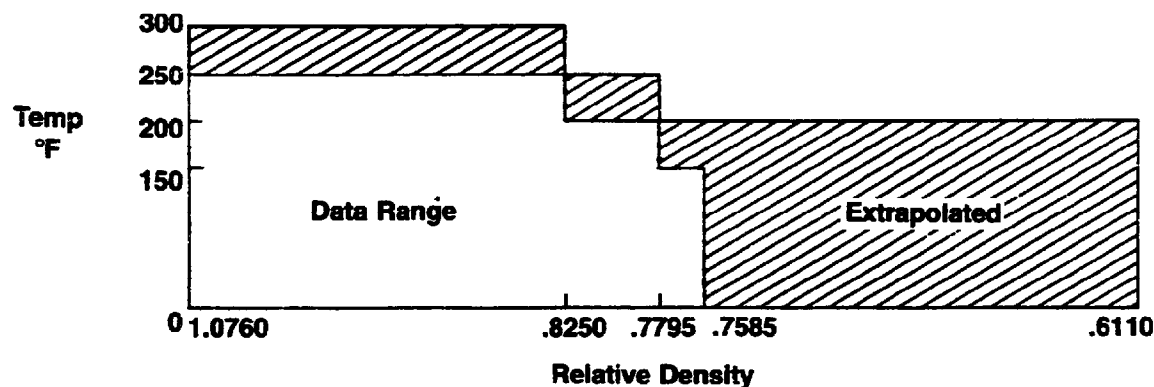


Figure V-1 — Data Limits for TABLE 23A, Generalized Crude Oils

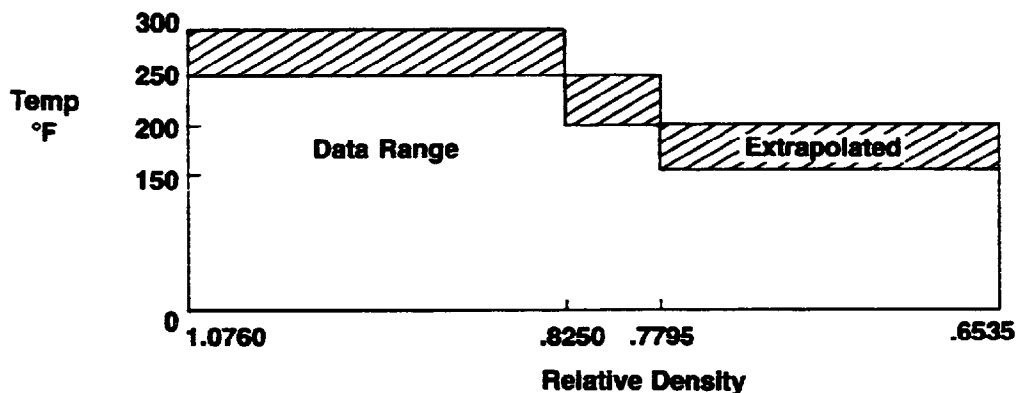


Figure V-2 — Data Limits for TABLE 23B, Generalized Products

11.1.23.4 TABLE 23B—Generalized Products, Correction of Observed Relative Density to Relative Density 60/60°F

TABLE 23B gives the values of relative density 60/60°F corresponding to hydrometer reading at observed temperatures other than 60°F. In converting the API hydrometer reading at the observed temperature to the corresponding relative density 60/60°F, two corrections are necessary: the first arises from the change in volume of the glass hydrometer with temperature (stem correction) and the second from the change in volume of the products with temperature. Both have been applied in this table. The values of relative density 60/60°F in this table are the result of a computer procedure which is the Standard (see 11.1.23.5 and 11.1.23.6 in Volume X).

The temperature ranges of this table are:

Relative Density 60/60°F	°F
0.8250 to 1.0760	0 to 300
0.7795 to 0.8250	0 to 250
0.6535 to 0.7795	0 to 200

The values of relative density 60/60°F given in this table are based on data from the U.S. National Bureau of Standards and from other published data. Portions of the density and temperature ranges represent areas beyond these data. Thus, mathematical techniques were employed to extrapolate beyond the density and temperature ranges of the given data to determine the value of relative density 60/60°F for these areas. These values are denoted by an asterisk (*). Extension of this table beyond the ranges shown is not recommended.

Increments used in this table for determining relative density 60/60°F are 0.5°F and 0.0020 relative density. Interpolation with temperature is not intended since there is no practical method of interpolation that will produce the accuracy obtainable from the Standard. However, interpolation with relative density to one additional significant digit can be reasonably made. Interpolation is not required if the TABLE 23B results are to be used as entries to TABLE 24B.

This table must be entered with a hydrometer reading measured with a soft glass hydrometer calibrated at 60°F and an observed temperature.

A correction to the glass hydrometer reading has been incorporated into the table to account for the thermal expansion of glass. The hydrom-

eter constant, as defined in the *Report on the Development, Construction, Calculation, and Preparation of the ASTM-IP Petroleum Measurement Tables*, (1960), varies with temperature according to the following:

$$\text{HYC} = 1 - 0.00001278(t - 60^\circ\text{F}) - 0.0000000062(t - 60^\circ\text{F})^2$$

Example 1

If the hydrometer reading for a gasoline at 117°F indicates a relative density of 0.6670, what is the relative density of the gasoline corrected to 60°F?

Enter the table in the column "Relative Density at Observed Temperature," headed 0.6670. Read down to an observed "Temperature" of 117°F. The corresponding relative density 60/60°F is 0.6965.

Example 2

If the hydrometer reading for a diesel fuel at 105°F indicates a relative density of 0.9426, what is the relative density of the fuel corrected to 60°F?

Round 0.9426 to 0.9430, the nearest 0.002. Since the result is to be used as an input to TABLE 24B, interpolation is not required. Enter the table in column "Relative Density at Observed Temperature," headed 0.9430. Read down to an observed "Temperature" of 105°F. The corresponding relative density 60/60°F is 0.9596.

Example 3

If the hydrometer reading for a diesel fuel at 152°F indicates a relative density of 0.9420, what is the relative density of the fuel corrected to 60°F?

1. Enter the table in column "Relative Density at Observed Temperature," headed 0.9410. Read down to an observed "Temperature" of 152°F. The corresponding relative density 60/60°F is 0.9749.
2. Likewise note that for a relative density of 0.9430, the corresponding relative density 60/60°F is 0.9769.
3. Interpolate on relative density

$$(0.9749 - 0.9769)/(0.9410 - 0.9430) = 1.0$$

$$1.0 * (0.9430 - 0.9420) = 0.001$$
4. Then, the relative density 60/60°F corresponding to 0.9420 at 152°F is 0.9769 minus 0.001 or 0.9759.

(Text continues on page V-5 following TABLE 23B.)

API/ASTM-IP PETROLEUM MEASUREMENT TABLE

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 DEGREES F

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*

THIS TABLE MUST BE ENTERED WITH RELATIVE DENSITIES
MEASURED WITH A SOFT GLASS HYDROMETER OR PYKNOMETER
CALIBRATED TO 60 DEGREES F.

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F					TEMP. F
	0.6570	0.6590	0.6610	0.6630	0.6650	
25.0	-	-	-	-	-	25.0
25.5	-	-	-	-	-	25.5
26.0	-	-	-	-	-	26.0
26.5	-	-	-	-	-	26.5
27.0	-	-	-	-	0.6536	27.0
27.5	-	-	-	-	0.6539	27.5
28.0	-	-	-	-	0.6542	28.0
28.5	-	-	-	-	0.6544	28.5
29.0	-	-	-	-	0.6547	29.0
29.5	-	-	-	-	0.6550	29.5
30.0	-	-	-	-	0.6552	30.0
30.5	-	-	-	-	0.6555	30.5
31.0	-	-	-	-	0.6537	31.0
31.5	-	-	-	-	0.6540	31.5
32.0	-	-	-	-	0.6543	32.0
32.5	-	-	-	-	0.6545	32.5
33.0	-	-	-	-	0.6548	33.0
33.5	-	-	-	-	0.6551	33.5
34.0	-	-	-	-	0.6553	34.0
34.5	-	-	-	-	0.6556	34.5
35.0	-	-	-	-	0.6538	35.0
35.5	-	-	-	-	0.6541	35.5
36.0	-	-	-	-	0.6543	36.0
36.5	-	-	-	-	0.6546	36.5
37.0	-	-	-	-	0.6549	37.0
37.5	-	-	-	-	0.6551	37.5
38.0	-	-	-	-	0.6554	38.0
38.5	-	-	-	-	0.6537	38.5
39.0	-	-	-	-	0.6539	39.0
39.5	-	-	-	-	0.6542	39.5
40.0	-	-	-	-	0.6544	40.0
					0.6585	
					0.6605	

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

* DENOTES EXTRAPOLATED VALUE

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	0.6530	0.6550	0.6570	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F					0.6670	0.6690	0.6710	TEMP. F
40.0	-	-	-	-	-	0.6544	0.6565	0.6585	0.6605	0.6625	0.6645	40.0
40.5	-	-	-	-	-	0.6547	0.6567	0.6588	0.6608	0.6628	0.6648	40.5
41.0	-	-	-	-	-	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	41.0
41.5	-	-	-	-	-	0.6552	0.6573	0.6593	0.6613	0.6633	0.6653	41.5
42.0	-	-	-	-	-	0.6555	0.6575	0.6595	0.6616	0.6636	0.6656	42.0
42.5	-	-	-	-	-	0.6558	0.6578	0.6598	0.6618	0.6638	0.6658	42.5
43.0	-	-	-	-	-	0.6560	0.6580	0.6601	0.6621	0.6641	0.6661	43.0
43.5	-	-	-	-	-	0.6563	0.6583	0.6603	0.6623	0.6643	0.6663	43.5
44.0	-	-	-	-	-	0.6566	0.6586	0.6606	0.6626	0.6646	0.6666	44.0
44.5	-	-	-	-	-	0.6568	0.6588	0.6609	0.6629	0.6649	0.6669	44.5
45.0	-	-	-	-	-	0.6571	0.6591	0.6611	0.6631	0.6651	0.6671	45.0
45.5	-	-	-	-	-	0.6574	0.6594	0.6614	0.6634	0.6654	0.6674	45.5
46.0	-	-	-	-	-	0.6576	0.6596	0.6616	0.6637	0.6657	0.6677	46.0
46.5	-	-	-	-	-	0.6579	0.6599	0.6619	0.6639	0.6659	0.6679	46.5
47.0	-	-	-	-	-	0.6581	0.6602	0.6622	0.6642	0.6662	0.6682	47.0
47.5	-	-	-	-	-	0.6584	0.6604	0.6624	0.6645	0.6665	0.6685	47.5
48.0	-	-	-	-	-	0.6587	0.6607	0.6627	0.6647	0.6667	0.6687	48.0
48.5	-	-	-	-	-	0.6589	0.6610	0.6630	0.6650	0.6670	0.6690	48.5
49.0	-	-	-	-	-	0.6592	0.6612	0.6632	0.6652	0.6672	0.6692	49.0
49.5	-	-	-	-	-	0.6595	0.6615	0.6635	0.6655	0.6675	0.6695	49.5
50.0	-	-	-	-	-	0.6597	0.6617	0.6638	0.6658	0.6678	0.6698	50.0
50.5	-	-	-	-	-	0.6600	0.6620	0.6640	0.6660	0.6680	0.6700	50.5
51.0	-	-	-	-	-	0.6603	0.6623	0.6643	0.6663	0.6683	0.6703	51.0
51.5	-	-	-	-	-	0.6605	0.6625	0.6645	0.6665	0.6685	0.6705	51.5
52.0	-	-	-	-	-	0.6608	0.6628	0.6648	0.6668	0.6688	0.6708	52.0
52.5	-	-	-	-	-	0.6610	0.6631	0.6651	0.6671	0.6691	0.6711	52.5
53.0	-	-	-	-	-	0.6613	0.6633	0.6653	0.6673	0.6693	0.6713	53.0
53.5	-	-	-	-	-	0.6616	0.6636	0.6656	0.6676	0.6696	0.6716	53.5
54.0	-	-	-	-	-	0.6618	0.6638	0.6659	0.6679	0.6699	0.6719	54.0
54.5	-	-	-	-	-	0.6621	0.6641	0.6661	0.6681	0.6701	0.6721	54.5
55.0	-	-	-	-	-	0.6624	0.6644	0.6664	0.6684	0.6704	0.6724	55.0

* DENOTES EXTRAPOLATED VALUE

2

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710



TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	0.6730	0.6750	
55.0	0.6543	0.6564	0.6584	0.6604	0.6624	0.6644	0.6664	0.6684	0.6704	0.6724	55.0
55.5	0.6546	0.6566	0.6586	0.6606	0.6626	0.6646	0.6666	0.6686	0.6706	0.6726	55.5
56.0	0.6549	0.6569	0.6589	0.6609	0.6629	0.6649	0.6669	0.6689	0.6709	0.6729	56.0
56.5	0.6551	0.6572	0.6592	0.6612	0.6632	0.6652	0.6672	0.6692	0.6712	0.6732	56.5
57.0	0.6554	0.6574	0.6594	0.6614	0.6634	0.6654	0.6674	0.6694	0.6714	0.6734	57.0
57.5	0.6557	0.6577	0.6597	0.6617	0.6637	0.6657	0.6677	0.6697	0.6717	0.6737	57.5
58.0	0.6559	0.6579	0.6600	0.6619	0.6639	0.6660	0.6680	0.6700	0.6720	0.6740	58.0
58.5	0.6562	0.6582	0.6602	0.6622	0.6642	0.6662	0.6682	0.6702	0.6722	0.6742	58.5
59.0	0.6565	0.6585	0.6605	0.6625	0.6645	0.6665	0.6685	0.6705	0.6725	0.6745	59.0
59.5	0.6567	0.6587	0.6607	0.6627	0.6647	0.6667	0.6687	0.6707	0.6727	0.6747	59.5
60.0	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	0.6730	0.6750	60.0
60.5	0.6573	0.6593	0.6613	0.6633	0.6653	0.6673	0.6693	0.6713	0.6733	0.6753	60.5
61.0	0.6575	0.6595	0.6615	0.6635	0.6655	0.6675	0.6695	0.6715	0.6735	0.6755	61.0
61.5	0.6578	0.6598	0.6618	0.6638	0.6658	0.6678	0.6698	0.6718	0.6738	0.6758	61.5
62.0	0.6581	0.6601	0.6621	0.6640	0.6660	0.6680	0.6700	0.6720	0.6740	0.6760	62.0
62.5	0.6583	0.6603	0.6623	0.6643	0.6663	0.6683	0.6703	0.6723	0.6743	0.6763	62.5
63.0	0.6586	0.6606	0.6626	0.6646	0.6666	0.6686	0.6706	0.6726	0.6746	0.6766	63.0
63.5	0.6588	0.6608	0.6628	0.6648	0.6668	0.6688	0.6708	0.6728	0.6748	0.6768	63.5
64.0	0.6591	0.6611	0.6631	0.6651	0.6671	0.6691	0.6711	0.6731	0.6751	0.6771	64.0
64.5	0.6594	0.6614	0.6634	0.6654	0.6674	0.6694	0.6714	0.6734	0.6754	0.6774	64.5
65.0	0.6596	0.6616	0.6636	0.6656	0.6676	0.6696	0.6716	0.6736	0.6756	0.6776	65.0
65.5	0.6599	0.6619	0.6639	0.6659	0.6679	0.6699	0.6719	0.6739	0.6759	0.6779	65.5
66.0	0.6602	0.6622	0.6642	0.6662	0.6681	0.6701	0.6721	0.6741	0.6761	0.6781	66.0
66.5	0.6604	0.6624	0.6644	0.6664	0.6684	0.6704	0.6724	0.6744	0.6764	0.6784	66.5
67.0	0.6607	0.6627	0.6647	0.6667	0.6687	0.6707	0.6727	0.6747	0.6767	0.6787	67.0
67.5	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	0.6730	0.6750	0.6770	0.6790	67.5
68.0	0.6612	0.6632	0.6652	0.6672	0.6692	0.6712	0.6732	0.6752	0.6772	0.6792	68.0
68.5	0.6615	0.6635	0.6655	0.6675	0.6695	0.6715	0.6735	0.6755	0.6775	0.6795	68.5
69.0	0.6617	0.6637	0.6657	0.6677	0.6697	0.6717	0.6737	0.6757	0.6777	0.6797	69.0
69.5	0.6620	0.6640	0.6660	0.6680	0.6700	0.6720	0.6740	0.6760	0.6780	0.6800	69.5
70.0	0.6623	0.6643	0.6663	0.6683	0.6703	0.6723	0.6743	0.6763	0.6783	0.6803	70.0

* DENOTES EXTRAPOLATED VALUE

3

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	0.6530	0.6550	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F								0.6670	0.6690	0.6710	TEMP F
			0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710				
-														
70.0	-	0.6603	0.6623	0.6643	0.6663	0.6682	0.6702	0.6722	0.6742	0.6762				70.0
70.5	-	0.6605	0.6625	0.6645	0.6665	0.6685	0.6705	0.6725	0.6745	0.6765				70.5
71.0	-	0.6608	0.6628	0.6648	0.6668	0.6688	0.6708	0.6728	0.6748	0.6767				71.0
71.5	-	0.6611	0.6631	0.6651	0.6671	0.6690	0.6710	0.6730	0.6750	0.6770				71.5
72.0	-	0.6613	0.6633	0.6653	0.6673	0.6693	0.6713	0.6733	0.6753	0.6773				72.0
72.5	-	0.6616	0.6636	0.6656	0.6676	0.6696	0.6715	0.6735	0.6755	0.6775				72.5
73.0	-	0.6619	0.6639	0.6658	0.6678	0.6698	0.6718	0.6738	0.6758	0.6778				73.0
73.5	-	0.6621	0.6641	0.6661	0.6681	0.6701	0.6721	0.6741	0.6760	0.6780				73.5
74.0	-	0.6624	0.6644	0.6664	0.6684	0.6703	0.6723	0.6743	0.6763	0.6783				74.0
74.5	-	0.6627	0.6647	0.6666	0.6686	0.6706	0.6726	0.6746	0.6766	0.6786				74.5
75.0	-	0.6629	0.6649	0.6669	0.6689	0.6709	0.6729	0.6748	0.6768	0.6788				75.0
75.5	-	0.6632	0.6652	0.6672	0.6692	0.6711	0.6731	0.6751	0.6771	0.6791				75.5
76.0	-	0.6635	0.6654	0.6674	0.6694	0.6714	0.6734	0.6754	0.6774	0.6793				76.0
76.5	-	0.6637	0.6657	0.6677	0.6697	0.6717	0.6736	0.6756	0.6776	0.6796				76.5
77.0	-	0.6640	0.6660	0.6680	0.6699	0.6719	0.6739	0.6759	0.6779	0.6799				77.0
77.5	-	0.6642	0.6662	0.6682	0.6702	0.6722	0.6742	0.6761	0.6781	0.6801				77.5
78.0	-	0.6645	0.6665	0.6685	0.6705	0.6724	0.6744	0.6764	0.6784	0.6804				78.0
78.5	-	0.6648	0.6667	0.6687	0.6707	0.6727	0.6747	0.6767	0.6787	0.6806				78.5
79.0	-	0.6650	0.6670	0.6690	0.6710	0.6730	0.6749	0.6769	0.6789	0.6809				79.0
79.5	-	0.6653	0.6673	0.6693	0.6712	0.6732	0.6752	0.6772	0.6792	0.6812				79.5
80.0	-	0.6656	0.6675	0.6695	0.6715	0.6735	0.6755	0.6775	0.6794	0.6814				80.0
80.5	-	0.6658	0.6678	0.6698	0.6718	0.6737	0.6757	0.6777	0.6797	0.6817				80.5
81.0	-	0.6661	0.6681	0.6700	0.6720	0.6740	0.6760	0.6780	0.6800	0.6819				81.0
81.5	-	0.6663	0.6683	0.6703	0.6723	0.6743	0.6763	0.6782	0.6802	0.6822				81.5
82.0	-	0.6666	0.6686	0.6706	0.6725	0.6745	0.6765	0.6785	0.6805	0.6825				82.0
82.5	-	0.6669	0.6688	0.6708	0.6728	0.6748	0.6768	0.6788	0.6807	0.6827				82.5
83.0	-	0.6671	0.6691	0.6711	0.6731	0.6750	0.6770	0.6790	0.6810	0.6830				83.0
83.5	-	0.6674	0.6694	0.6714	0.6733	0.6753	0.6773	0.6793	0.6813	0.6832				83.5
84.0	-	0.6677	0.6696	0.6716	0.6736	0.6756	0.6775	0.6795	0.6815	0.6835				84.0
84.5	-	0.6679	0.6699	0.6719	0.6739	0.6758	0.6778	0.6798	0.6818	0.6838				84.5
85.0	-	0.6682	0.6702	0.6721	0.6741	0.6761	0.6781	0.6800	0.6820	0.6840				85.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	
85.0	-	0.6682	0.6702	0.6721	0.6741	0.6761	0.6781	0.6800	0.6820	0.6840	85.0
85.5	-	0.6684	0.6704	0.6724	0.6744	0.6763	0.6783	0.6803	0.6823	0.6843	85.5
86.0	-	0.6687	0.6707	0.6727	0.6746	0.6766	0.6786	0.6806	0.6826	0.6845	86.0
86.5	-	0.6690	0.6709	0.6729	0.6749	0.6769	0.6788	0.6808	0.6828	0.6848	86.5
87.0	-	0.6692	0.6712	0.6732	0.6752	0.6771	0.6791	0.6811	0.6831	0.6850	87.0
87.5	-	0.6695	0.6715	0.6734	0.6754	0.6774	0.6794	0.6813	0.6833	0.6853	87.5
88.0	-	0.6697	0.6717	0.6737	0.6757	0.6776	0.6796	0.6816	0.6836	0.6856	88.0
88.5	-	0.6700	0.6720	0.6740	0.6759	0.6779	0.6799	0.6819	0.6838	0.6858	88.5
89.0	-	0.6703	0.6722	0.6742	0.6762	0.6782	0.6801	0.6821	0.6841	0.6861	89.0
89.5	-	0.6705	0.6725	0.6745	0.6765	0.6784	0.6804	0.6824	0.6844	0.6863	89.5
90.0	-	0.6708	0.6728	0.6747	0.6767	0.6787	0.6807	0.6826	0.6846	0.6866	90.0
90.5	-	0.6711	0.6730	0.6750	0.6770	0.6789	0.6809	0.6829	0.6849	0.6868	90.5
91.0	-	0.6713	0.6733	0.6753	0.6772	0.6792	0.6812	0.6832	0.6851	0.6871	91.0
91.5	-	0.6716	0.6736	0.6755	0.6775	0.6795	0.6814	0.6834	0.6854	0.6874	91.5
92.0	-	0.6718	0.6738	0.6758	0.6778	0.6797	0.6817	0.6837	0.6856	0.6876	92.0
92.5	-	0.6721	0.6741	0.6760	0.6780	0.6800	0.6820	0.6839	0.6859	0.6879	92.5
93.0	-	0.6724	0.6743	0.6763	0.6783	0.6802	0.6822	0.6842	0.6862	0.6881	93.0
93.5	-	0.6726	0.6746	0.6766	0.6785	0.6805	0.6825	0.6845	0.6864	0.6884	93.5
94.0	-	0.6729	0.6749	0.6768	0.6788	0.6808	0.6827	0.6847	0.6867	0.6887	94.0
94.5	-	0.6732	0.6751	0.6771	0.6791	0.6810	0.6830	0.6850	0.6869	0.6889	94.5
95.0	-	0.6734	0.6754	0.6774	0.6793	0.6813	0.6833	0.6852	0.6872	0.6892	95.0
95.5	-	0.6737	0.6756	0.6776	0.6796	0.6815	0.6835	0.6855	0.6875	0.6894	95.5
96.0	-	0.6739	0.6759	0.6779	0.6798	0.6818	0.6838	0.6857	0.6877	0.6897	96.0
96.5	-	0.6742	0.6762	0.6781	0.6801	0.6821	0.6840	0.6860	0.6880	0.6899	96.5
97.0	-	0.6745	0.6764	0.6784	0.6804	0.6823	0.6843	0.6863	0.6882	0.6902	97.0
97.5	-	0.6747	0.6767	0.6787	0.6806	0.6826	0.6846	0.6865	0.6885	0.6905	97.5
98.0	-	0.6750	0.6769	0.6789	0.6809	0.6828	0.6848	0.6868	0.6887	0.6907	98.0
98.5	-	0.6752	0.6772	0.6792	0.6811	0.6831	0.6851	0.6870	0.6890	0.6910	98.5
99.0	-	0.6755	0.6775	0.6794	0.6814	0.6834	0.6853	0.6873	0.6893	0.6912	99.0
99.5	-	0.6757	0.6777	0.6797	0.6817	0.6836	0.6856	0.6876	0.6895	0.6915	99.5
100.0	-	0.6760	0.6780	0.6799	0.6819	0.6839	0.6858	0.6878	0.6898	0.6917	100.0

* DENOTES EXTRAPOLATED VALUE

5

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710



TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	
100.0	-	0.6760	0.6780	0.6799	0.6819	0.6839	0.6858	0.6878	0.6898	0.6917	100.0
100.5	-	0.6763	0.6782	0.6802	0.6822	0.6841	0.6861	0.6881	0.6898	0.6920	100.5
101.0	-	0.6765	0.6785	0.6805	0.6824	0.6844	0.6864	0.6883	0.6900	0.6923	101.0
101.5	-	0.6768	0.6788	0.6807	0.6827	0.6846	0.6866	0.6886	0.6903	0.6925	101.5
102.0	-	0.6771	0.6790	0.6810	0.6830	0.6849	0.6869	0.6888	0.6905	0.6928	102.0
102.5	-	0.6773	0.6793	0.6812	0.6832	0.6852	0.6871	0.6891	0.6911	0.6930	102.5
103.0	-	0.6776	0.6795	0.6815	0.6835	0.6854	0.6874	0.6894	0.6913	0.6933	103.0
103.5	-	0.6778	0.6798	0.6818	0.6837	0.6857	0.6876	0.6896	0.6916	0.6935	103.5
104.0	-	0.6781	0.6801	0.6820	0.6840	0.6859	0.6879	0.6899	0.6918	0.6938	104.0
104.5	-	0.6784	0.6803	0.6823	0.6842	0.6862	0.6882	0.6901	0.6921	0.6941	104.5
105.0	-	0.6786	0.6806	0.6825	0.6845	0.6865	0.6884	0.6904	0.6923	0.6943	105.0
105.5	-	0.6789	0.6808	0.6828	0.6848	0.6867	0.6887	0.6906	0.6926	0.6946	105.5
106.0	-	0.6791	0.6811	0.6831	0.6850	0.6870	0.6889	0.6909	0.6929	0.6948	106.0
106.5	-	0.6794	0.6814	0.6833	0.6853	0.6872	0.6892	0.6912	0.6931	0.6951	106.5
107.0	-	0.6797	0.6816	0.6836	0.6855	0.6875	0.6894	0.6914	0.6934	0.6953	107.0
107.5	-	0.6799	0.6819	0.6838	0.6858	0.6877	0.6897	0.6917	0.6936	0.6956	107.5
108.0	-	0.6802	0.6821	0.6841	0.6861	0.6880	0.6900	0.6919	0.6939	0.6958	108.0
108.5	-	0.6804	0.6824	0.6843	0.6863	0.6883	0.6902	0.6922	0.6941	0.6961	108.5
109.0	-	0.6807	0.6826	0.6846	0.6866	0.6885	0.6905	0.6924	0.6944	0.6964	109.0
109.5	-	0.6810	0.6829	0.6849	0.6868	0.6888	0.6907	0.6927	0.6947	0.6966	109.5
110.0	-	0.6812	0.6832	0.6851	0.6871	0.6890	0.6910	0.6929	0.6949	0.6969	110.0
110.5	-	0.6815	0.6834	0.6854	0.6873	0.6893	0.6912	0.6932	0.6952	0.6971	110.5
111.0	-	0.6817	0.6837	0.6856	0.6876	0.6895	0.6915	0.6935	0.6954	0.6974	111.0
111.5	-	0.6820	0.6839	0.6859	0.6878	0.6898	0.6918	0.6937	0.6957	0.6976	111.5
112.0	-	0.6822	0.6842	0.6862	0.6881	0.6901	0.6920	0.6940	0.6959	0.6979	112.0
112.5	-	0.6825	0.6845	0.6864	0.6884	0.6903	0.6923	0.6942	0.6962	0.6981	112.5
113.0	-	0.6828	0.6847	0.6867	0.6886	0.6906	0.6925	0.6945	0.6965	0.6984	113.0
113.5	-	0.6830	0.6850	0.6869	0.6889	0.6908	0.6928	0.6947	0.6967	0.6987	113.5
114.0	-	0.6833	0.6852	0.6872	0.6891	0.6911	0.6930	0.6950	0.6970	0.6989	114.0
114.5	-	0.6835	0.6855	0.6874	0.6894	0.6913	0.6933	0.6953	0.6972	0.6992	114.5
115.0	-	0.6838	0.6857	0.6877	0.6897	0.6916	0.6936	0.6955	0.6975	0.6994	115.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	
115.0	-	0.6838	0.6857	0.6877	0.6897	0.6916	0.6936	0.6955	0.6975	0.6994	115.0
115.5	-	0.6840	0.6860	0.6880	0.6899	0.6919	0.6938	0.6958	0.6977	0.6997	115.5
116.0	-	0.6843	0.6863	0.6882	0.6902	0.6921	0.6941	0.6960	0.6980	0.6999	116.0
116.5	-	0.6846	0.6865	0.6885	0.6904	0.6924	0.6943	0.6963	0.6982	0.7002	116.5
117.0	-	0.6848	0.6868	0.6887	0.6907	0.6926	0.6946	0.6965	0.6985	0.7004	117.0
117.5	-	0.6851	0.6870	0.6890	0.6909	0.6929	0.6948	0.6968	0.6987	0.7007	117.5
118.0	-	0.6853	0.6873	0.6892	0.6912	0.6931	0.6951	0.6970	0.6990	0.7010	118.0
118.5	-	0.6856	0.6876	0.6895	0.6915	0.6934	0.6954	0.6973	0.6993	0.7012	118.5
119.0	-	0.6858	0.6878	0.6898	0.6917	0.6937	0.6956	0.6976	0.6995	0.7015	119.0
119.5	-	0.6861	0.6881	0.6900	0.6920	0.6939	0.6959	0.6978	0.6998	0.7017	119.5
120.0	-	0.6864	0.6883	0.6903	0.6922	0.6942	0.6961	0.6981	0.7000	0.7020	120.0
120.5	-	0.6866	0.6886	0.6905	0.6925	0.6944	0.6964	0.6983	0.7003	0.7022	120.5
121.0	-	0.6869	0.6888	0.6908	0.6927	0.6947	0.6966	0.6986	0.7005	0.7025	121.0
121.5	-	0.6871	0.6891	0.6910	0.6930	0.6949	0.6969	0.6988	0.7008	0.7027	121.5
122.0	-	0.6874	0.6893	0.6913	0.6932	0.6952	0.6971	0.6991	0.7010	0.7030	122.0
122.5	-	0.6877	0.6896	0.6916	0.6935	0.6954	0.6974	0.6993	0.7013	0.7032	122.5
123.0	-	0.6879	0.6899	0.6918	0.6938	0.6957	0.6977	0.6996	0.7016	0.7035	123.0
123.5	-	0.6882	0.6901	0.6921	0.6940	0.6960	0.6979	0.6999	0.7018	0.7038	123.5
124.0	-	0.6884	0.6904	0.6923	0.6943	0.6962	0.6982	0.7001	0.7021	0.7040	124.0
124.5	-	0.6887	0.6906	0.6926	0.6945	0.6965	0.6984	0.7004	0.7023	0.7043	124.5
125.0	-	0.6889	0.6909	0.6928	0.6948	0.6967	0.6987	0.7006	0.7026	0.7045	125.0
125.5	-	0.6892	0.6911	0.6931	0.6950	0.6970	0.6989	0.7009	0.7028	0.7048	125.5
126.0	-	0.6895	0.6914	0.6934	0.6953	0.6972	0.6992	0.7011	0.7031	0.7050	126.0
126.5	-	0.6897	0.6917	0.6936	0.6955	0.6975	0.6994	0.7014	0.7033	0.7053	126.5
127.0	-	0.6900	0.6919	0.6939	0.6958	0.6977	0.6997	0.7016	0.7036	0.7055	127.0
127.5	-	0.6902	0.6922	0.6941	0.6961	0.6980	0.6999	0.7019	0.7038	0.7058	127.5
128.0	-	0.6905	0.6924	0.6944	0.6963	0.6983	0.7002	0.7021	0.7041	0.7060	128.0
128.5	-	0.6907	0.6927	0.6946	0.6966	0.6985	0.7005	0.7024	0.7043	0.7063	128.5
129.0	-	0.6910	0.6929	0.6949	0.6968	0.6988	0.7007	0.7027	0.7046	0.7065	129.0
129.5	-	0.6913	0.6932	0.6951	0.6971	0.6990	0.7010	0.7029	0.7049	0.7068	129.5
130.0	-	0.6915	0.6934	0.6954	0.6973	0.6993	0.7012	0.7032	0.7051	0.7070	130.0

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

* DENOTES EXTRAPOLATED VALUE

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	
-	-	0.6915	0.6934	0.6954	0.6973	0.6993	0.7012	0.7032	0.7051	0.7070	130.0
-	-	0.6918	0.6937	0.6957	0.6976	0.6995	0.7015	0.7034	0.7054	0.7073	130.5
-	-	0.6920	0.6940	0.6959	0.6978	0.6998	0.7017	0.7037	0.7056	0.7076	131.0
-	-	0.6923	0.6942	0.6962	0.6981	0.7000	0.7020	0.7039	0.7059	0.7078	131.5
-	-	0.6925	0.6945	0.6964	0.6984	0.7003	0.7022	0.7042	0.7061	0.7081	132.0
-	-	0.6928	0.6947	0.6967	0.6986	0.7005	0.7025	0.7044	0.7064	0.7083	132.5
-	-	0.6930	0.6950	0.6969	0.6989	0.7008	0.7027	0.7047	0.7066	0.7086	133.0
-	-	0.6933	0.6952	0.6972	0.6991	0.7011	0.7030	0.7049	0.7069	0.7088	133.5
-	-	0.6936	0.6955	0.6974	0.6994	0.7013	0.7032	0.7052	0.7071	0.7091	134.0
-	-	0.6938	0.6958	0.6977	0.6996	0.7016	0.7035	0.7054	0.7074	0.7093	134.5
-	-	0.6941	0.6960	0.6980	0.6999	0.7018	0.7038	0.7057	0.7076	0.7096	135.0
-	-	0.6943	0.6963	0.6982	0.7001	0.7021	0.7040	0.7059	0.7079	0.7098	135.5
-	-	0.6946	0.6965	0.6985	0.7004	0.7023	0.7043	0.7062	0.7081	0.7101	136.0
-	-	0.6948	0.6968	0.6987	0.7007	0.7026	0.7045	0.7065	0.7084	0.7103	136.5
-	-	0.6951	0.6970	0.6990	0.7009	0.7028	0.7048	0.7067	0.7087	0.7106	137.0
-	-	0.6953	0.6973	0.6992	0.7012	0.7031	0.7050	0.7070	0.7089	0.7108	137.5
-	-	0.6956	0.6975	0.6995	0.7014	0.7033	0.7053	0.7072	0.7092	0.7111	138.0
-	-	0.6959	0.6978	0.6997	0.7017	0.7036	0.7055	0.7075	0.7094	0.7113	138.5
-	-	0.6961	0.6980	0.7000	0.7019	0.7038	0.7058	0.7077	0.7097	0.7116	139.0
-	-	0.6964	0.6983	0.7002	0.7022	0.7041	0.7060	0.7080	0.7099	0.7118	139.5
-	-	0.6966	0.6986	0.7005	0.7024	0.7044	0.7063	0.7082	0.7102	0.7121	140.0
-	-	0.6969	0.6988	0.7007	0.7027	0.7046	0.7065	0.7085	0.7104	0.7123	140.5
-	-	0.6971	0.6991	0.7010	0.7029	0.7049	0.7068	0.7087	0.7107	0.7126	141.0
-	-	0.6974	0.6993	0.7013	0.7032	0.7051	0.7071	0.7090	0.7109	0.7129	141.5
-	-	0.6976	0.6996	0.7015	0.7034	0.7054	0.7073	0.7092	0.7112	0.7131	142.0
-	-	0.6979	0.6998	0.7018	0.7037	0.7056	0.7076	0.7095	0.7114	0.7134	142.5
-	-	0.6982	0.7001	0.7020	0.7039	0.7059	0.7078	0.7097	0.7117	0.7136	143.0
-	-	0.6984	0.7003	0.7023	0.7042	0.7061	0.7081	0.7100	0.7119	0.7139	143.5
-	-	0.6987	0.7006	0.7025	0.7045	0.7064	0.7083	0.7103	0.7122	0.7141	144.0
-	-	0.6989	0.7008	0.7028	0.7047	0.7066	0.7086	0.7105	0.7124	0.7144	144.5
-	-	0.6992	0.7011	0.7030	0.7050	0.7069	0.7088	0.7108	0.7127	0.7146	145.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	0.6530	0.6550	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F								0.6710	TEMP. F
			0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690			
145.0	-	0.6992	0.7011	0.7030	0.7050	0.7069	0.7088	0.7108	0.7127	0.7146	145.0	
145.5	-	0.6994	0.7014	0.7033	0.7052	0.7071	0.7091	0.7110	0.7129	0.7149	145.5	
146.0	-	0.6997	0.7016	0.7035	0.7055	0.7074	0.7093	0.7113	0.7132	0.7151	146.0	
146.5	-	0.6999	0.7019	0.7038	0.7057	0.7076	0.7096	0.7115	0.7134	0.7154	146.5	
147.0	-	0.7002	0.7021	0.7041	0.7060	0.7079	0.7098	0.7118	0.7137	0.7156	147.0	
147.5	-	0.7004	0.7024	0.7043	0.7062	0.7082	0.7101	0.7120	0.7139	0.7159	147.5	
148.0	-	0.7007	0.7026	0.7046	0.7065	0.7084	0.7103	0.7123	0.7142	0.7161	148.0	
148.5	-	0.7010	0.7029	0.7048	0.7067	0.7087	0.7106	0.7125	0.7144	0.7164	148.5	
149.0	-	0.7012	0.7031	0.7051	0.7070	0.7089	0.7108	0.7128	0.7147	0.7166	149.0	
149.5	-	0.7015	0.7034	0.7053	0.7072	0.7092	0.7111	0.7130	0.7149	0.7169	149.5	
150.0	-	0.7017	0.7036	0.7056	0.7075	0.7094	0.7113	0.7133	0.7152	0.7171	150.0	
150.5	-	0.7020*	0.7039*	0.7058*	0.7077*	0.7097*	0.7116*	0.7135*	0.7155*	0.7174*	150.5	
151.0	-	0.7022*	0.7041*	0.7061*	0.7080*	0.7099*	0.7118*	0.7138*	0.7157*	0.7176*	151.0	
151.5	-	0.7025*	0.7044*	0.7063*	0.7082*	0.7102*	0.7121*	0.7140*	0.7160*	0.7179*	151.5	
152.0	-	0.7027*	0.7046*	0.7066*	0.7085*	0.7104*	0.7123*	0.7143*	0.7162*	0.7181*	152.0	
152.5	-	0.7030*	0.7049*	0.7068*	0.7088*	0.7107*	0.7126*	0.7145*	0.7165*	0.7184*	152.5	
153.0	-	0.7032*	0.7052*	0.7071*	0.7090*	0.7109*	0.7129*	0.7148*	0.7167*	0.7186*	153.0	
153.5	-	0.7035*	0.7054*	0.7073*	0.7093*	0.7112*	0.7131*	0.7150*	0.7170*	0.7189*	153.5	
154.0	-	0.7037*	0.7057*	0.7076*	0.7095*	0.7114*	0.7134*	0.7153*	0.7172*	0.7191*	154.0	
154.5	-	0.7040*	0.7059*	0.7078*	0.7098*	0.7117*	0.7136*	0.7155*	0.7175*	0.7194*	154.5	
155.0	-	0.7042*	0.7062*	0.7081*	0.7100*	0.7119*	0.7139*	0.7158*	0.7177*	0.7196*	155.0	
155.5	-	0.7045*	0.7064*	0.7083*	0.7103*	0.7122*	0.7141*	0.7160*	0.7180*	0.7199*	155.5	
156.0	-	0.7048*	0.7067*	0.7086*	0.7105*	0.7124*	0.7144*	0.7163*	0.7182*	0.7201*	156.0	
156.5	-	0.7050*	0.7069*	0.7088*	0.7108*	0.7127*	0.7146*	0.7165*	0.7185*	0.7204*	156.5	
157.0	-	0.7053*	0.7072*	0.7091*	0.7110*	0.7129*	0.7149*	0.7168*	0.7187*	0.7206*	157.0	
157.5	-	0.7055*	0.7074*	0.7094*	0.7113*	0.7132*	0.7151*	0.7170*	0.7190*	0.7209*	157.5	
158.0	-	0.7058*	0.7077*	0.7096*	0.7115*	0.7134*	0.7154*	0.7173*	0.7192*	0.7211*	158.0	
158.5	-	0.7060*	0.7079*	0.7099*	0.7118*	0.7137*	0.7156*	0.7175*	0.7195*	0.7214*	158.5	
159.0	-	0.7063*	0.7082*	0.7101*	0.7120*	0.7139*	0.7159*	0.7178*	0.7197*	0.7216*	159.0	
159.5	-	0.7065*	0.7084*	0.7104*	0.7123*	0.7142*	0.7161*	0.7180*	0.7200*	0.7219*	159.5	
160.0	-	0.7068*	0.7087*	0.7106*	0.7125*	0.7144*	0.7164*	0.7183*	0.7202*	0.7221*	160.0	

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	0.6530	0.6550	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F					0.6670	0.6690	0.6710	TEMP. F
			0.6570	0.6590	0.6610	0.6630	0.6650				
160.0	-	0.7068*	0.7087*	0.7106*	0.7125*	0.7144*	0.7164*	0.7183*	0.7202*	0.7221*	160.0
160.5	-	0.7070*	0.7089*	0.7109*	0.7128*	0.7147*	0.7166*	0.7185*	0.7205*	0.7224*	160.5
161.0	-	0.7073*	0.7092*	0.7111*	0.7130*	0.7149*	0.7169*	0.7188*	0.7207*	0.7226*	161.0
161.5	-	0.7075*	0.7094*	0.7114*	0.7133*	0.7152*	0.7171*	0.7190*	0.7210*	0.7229*	161.5
162.0	-	0.7078*	0.7097*	0.7116*	0.7135*	0.7154*	0.7174*	0.7193*	0.7212*	0.7231*	162.0
162.5	-	0.7080*	0.7100*	0.7119*	0.7138*	0.7157*	0.7176*	0.7195*	0.7215*	0.7234*	162.5
163.0	-	0.7083*	0.7102*	0.7121*	0.7140*	0.7159*	0.7179*	0.7198*	0.7217*	0.7236*	163.0
163.5	-	0.7085*	0.7105*	0.7124*	0.7143*	0.7162*	0.7181*	0.7200*	0.7220*	0.7239*	163.5
164.0	-	0.7088*	0.7107*	0.7126*	0.7145*	0.7165*	0.7184*	0.7203*	0.7222*	0.7241*	164.0
164.5	-	0.7090*	0.7110*	0.7129*	0.7148*	0.7167*	0.7186*	0.7205*	0.7225*	0.7244*	164.5
165.0	-	0.7093*	0.7112*	0.7131*	0.7150*	0.7170*	0.7189*	0.7208*	0.7227*	0.7246*	165.0
165.5	-	0.7095*	0.7115*	0.7134*	0.7153*	0.7172*	0.7191*	0.7210*	0.7230*	0.7249*	165.5
166.0	-	0.7098*	0.7117*	0.7136*	0.7155*	0.7175*	0.7194*	0.7213*	0.7232*	0.7251*	166.0
166.5	-	0.7100*	0.7120*	0.7139*	0.7158*	0.7177*	0.7196*	0.7215*	0.7235*	0.7254*	166.5
167.0	-	0.7103*	0.7122*	0.7141*	0.7160*	0.7180*	0.7199*	0.7218*	0.7237*	0.7256*	167.0
167.5	-	0.7105*	0.7125*	0.7144*	0.7163*	0.7182*	0.7201*	0.7220*	0.7240*	0.7259*	167.5
168.0	-	0.7108*	0.7127*	0.7146*	0.7165*	0.7185*	0.7204*	0.7223*	0.7242*	0.7261*	168.0
168.5	-	0.7110*	0.7130*	0.7149*	0.7168*	0.7187*	0.7206*	0.7225*	0.7244*	0.7264*	168.5
169.0	-	0.7113*	0.7132*	0.7151*	0.7170*	0.7189*	0.7209*	0.7228*	0.7247*	0.7266*	169.0
169.5	-	0.7116*	0.7135*	0.7154*	0.7173*	0.7192*	0.7211*	0.7230*	0.7250*	0.7269*	169.5
170.0	-	0.7118*	0.7137*	0.7156*	0.7175*	0.7195*	0.7214*	0.7233*	0.7252*	0.7271*	170.0
170.5	-	0.7121*	0.7140*	0.7159*	0.7178*	0.7197*	0.7216*	0.7235*	0.7255*	0.7274*	170.5
171.0	-	0.7123*	0.7142*	0.7161*	0.7180*	0.7199*	0.7219*	0.7238*	0.7257*	0.7276*	171.0
171.5	-	0.7126*	0.7145*	0.7164*	0.7183*	0.7202*	0.7221*	0.7240*	0.7259*	0.7279*	171.5
172.0	-	0.7128*	0.7147*	0.7166*	0.7185*	0.7204*	0.7224*	0.7243*	0.7262*	0.7281*	172.0
172.5	-	0.7131*	0.7150*	0.7169*	0.7188*	0.7207*	0.7226*	0.7245*	0.7264*	0.7284*	172.5
173.0	-	0.7133*	0.7152*	0.7171*	0.7190*	0.7209*	0.7229*	0.7248*	0.7267*	0.7286*	173.0
173.5	-	0.7136*	0.7155*	0.7174*	0.7193*	0.7212*	0.7231*	0.7250*	0.7269*	0.7288*	173.5
174.0	-	0.7138*	0.7157*	0.7176*	0.7195*	0.7214*	0.7234*	0.7253*	0.7272*	0.7291*	174.0
174.5	-	0.7141*	0.7160*	0.7179*	0.7198*	0.7217*	0.7236*	0.7255*	0.7274*	0.7293*	174.5
175.0	-	0.7143*	0.7162*	0.7181*	0.7200*	0.7219*	0.7239*	0.7258*	0.7277*	0.7296*	175.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	
-	-	0.7143*	0.7162*	0.7181*	0.7200*	0.7219*	0.7239*	0.7258*	0.7277*	0.7296*	175.0
175.0	-	0.7146*	0.7165*	0.7184*	0.7203*	0.7222*	0.7241*	0.7260*	0.7279*	0.7298*	175.5
176.0	-	0.7148*	0.7167*	0.7186*	0.7205*	0.7224*	0.7244*	0.7263*	0.7282*	0.7301*	176.0
176.5	-	0.7151*	0.7170*	0.7189*	0.7208*	0.7227*	0.7246*	0.7265*	0.7284*	0.7303*	176.5
177.0	-	0.7153*	0.7172*	0.7191*	0.7210*	0.7229*	0.7249*	0.7268*	0.7287*	0.7306*	177.0
177.5	-	0.7156*	0.7175*	0.7194*	0.7213*	0.7232*	0.7251*	0.7270*	0.7289*	0.7308*	177.5
178.0	-	0.7158*	0.7177*	0.7196*	0.7215*	0.7234*	0.7253*	0.7273*	0.7292*	0.7311*	178.0
178.5	-	0.7161*	0.7180*	0.7199*	0.7218*	0.7237*	0.7256*	0.7275*	0.7294*	0.7313*	178.5
179.0	-	0.7163*	0.7182*	0.7201*	0.7220*	0.7239*	0.7258*	0.7278*	0.7297*	0.7316*	179.0
179.5	-	0.7166*	0.7185*	0.7204*	0.7223*	0.7242*	0.7261*	0.7280*	0.7299*	0.7318*	179.5
180.0	-	0.7168*	0.7187*	0.7206*	0.7225*	0.7244*	0.7263*	0.7283*	0.7302*	0.7321*	180.0
180.5	-	0.7170*	0.7190*	0.7209*	0.7228*	0.7247*	0.7266*	0.7285*	0.7304*	0.7323*	180.5
181.0	-	0.7173*	0.7192*	0.7211*	0.7230*	0.7249*	0.7268*	0.7287*	0.7307*	0.7326*	181.0
181.5	-	0.7176*	0.7195*	0.7214*	0.7233*	0.7252*	0.7271*	0.7290*	0.7309*	0.7328*	181.5
182.0	-	0.7178*	0.7197*	0.7216*	0.7235*	0.7254*	0.7273*	0.7292*	0.7312*	0.7331*	182.0
182.5	-	0.7180*	0.7200*	0.7219*	0.7238*	0.7257*	0.7276*	0.7295*	0.7314*	0.7333*	182.5
183.0	-	0.7183*	0.7202*	0.7221*	0.7240*	0.7259*	0.7278*	0.7297*	0.7316*	0.7335*	183.0
183.5	-	0.7185*	0.7205*	0.7224*	0.7243*	0.7262*	0.7281*	0.7300*	0.7319*	0.7338*	183.5
184.0	-	0.7188*	0.7207*	0.7226*	0.7245*	0.7264*	0.7283*	0.7302*	0.7321*	0.7340*	184.0
184.5	-	0.7191*	0.7209*	0.7229*	0.7248*	0.7267*	0.7286*	0.7305*	0.7324*	0.7343*	184.5
185.0	-	0.7193*	0.7212*	0.7231*	0.7250*	0.7269*	0.7288*	0.7307*	0.7326*	0.7345*	185.0
185.5	-	0.7195*	0.7214*	0.7233*	0.7253*	0.7271*	0.7291*	0.7310*	0.7329*	0.7348*	185.5
186.0	-	0.7198*	0.7217*	0.7236*	0.7255*	0.7274*	0.7293*	0.7312*	0.7331*	0.7350*	186.0
186.5	-	0.7200*	0.7219*	0.7238*	0.7258*	0.7276*	0.7295*	0.7315*	0.7334*	0.7353*	186.5
187.0	-	0.7203*	0.7222*	0.7241*	0.7260*	0.7279*	0.7298*	0.7317*	0.7336*	0.7355*	187.0
187.5	-	0.7205*	0.7224*	0.7243*	0.7262*	0.7281*	0.7300*	0.7320*	0.7338*	0.7358*	187.5
188.0	-	0.7208*	0.7227*	0.7246*	0.7265*	0.7284*	0.7303*	0.7322*	0.7341*	0.7360*	188.0
188.5	-	0.7210*	0.7229*	0.7248*	0.7267*	0.7286*	0.7305*	0.7324*	0.7343*	0.7363*	188.5
189.0	-	0.7213*	0.7232*	0.7251*	0.7270*	0.7289*	0.7308*	0.7327*	0.7346*	0.7365*	189.0
189.5	-	0.7215*	0.7234*	0.7253*	0.7272*	0.7291*	0.7310*	0.7329*	0.7348*	0.7367*	189.5
190.0	-	0.7218*	0.7237*	0.7256*	0.7275*	0.7294*	0.7313*	0.7332*	0.7351*	0.7370*	190.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6530 TO 0.6710

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										
	0.6530	0.6550	0.6570	0.6590	0.6610	0.6630	0.6650	0.6670	0.6690	0.6710	TEMP. F
190.0	-	0.7218*	0.7237*	0.7256*	0.7275*	0.7294*	0.7313*	0.7332*	0.7351*	0.7370*	190.0
190.5	-	0.7220*	0.7239*	0.7258*	0.7277*	0.7296*	0.7315*	0.7334*	0.7353*	0.7372*	190.5
191.0	-	0.7223*	0.7242*	0.7261*	0.7280*	0.7299*	0.7318*	0.7337*	0.7356*	0.7375*	191.0
191.5	-	0.7225*	0.7244*	0.7263*	0.7282*	0.7301*	0.7320*	0.7339*	0.7358*	0.7377*	191.5
192.0	-	0.7228*	0.7247*	0.7266*	0.7285*	0.7304*	0.7323*	0.7342*	0.7361*	0.7380*	192.0
192.5	-	0.7230*	0.7249*	0.7268*	0.7287*	0.7306*	0.7325*	0.7344*	0.7363*	0.7382*	192.5
193.0	-	0.7233*	0.7252*	0.7271*	0.7290*	0.7309*	0.7328*	0.7347*	0.7366*	0.7385*	193.0
193.5	-	0.7235*	0.7254*	0.7273*	0.7292*	0.7311*	0.7330*	0.7349*	0.7368*	0.7387*	193.5
194.0	-	0.7238*	0.7257*	0.7276*	0.7295*	0.7313*	0.7333*	0.7351*	0.7371*	0.7390*	194.0
194.5	-	0.7240*	0.7259*	0.7278*	0.7297*	0.7316*	0.7335*	0.7354*	0.7373*	0.7392*	194.5
195.0	-	0.7243*	0.7262*	0.7281*	0.7300*	0.7318*	0.7337*	0.7356*	0.7375*	0.7394*	195.0
195.5	-	0.7245*	0.7264*	0.7283*	0.7302*	0.7321*	0.7340*	0.7359*	0.7378*	0.7397*	195.5
196.0	-	0.7247*	0.7266*	0.7285*	0.7304*	0.7323*	0.7342*	0.7361*	0.7380*	0.7399*	196.0
196.5	-	0.7250*	0.7269*	0.7288*	0.7307*	0.7326*	0.7345*	0.7364*	0.7383*	0.7402*	196.5
197.0	-	0.7252*	0.7271*	0.7290*	0.7309*	0.7328*	0.7347*	0.7366*	0.7385*	0.7404*	197.0
197.5	-	0.7255*	0.7274*	0.7293*	0.7312*	0.7331*	0.7350*	0.7369*	0.7388*	0.7407*	197.5
198.0	-	0.7257*	0.7276*	0.7295*	0.7314*	0.7333*	0.7352*	0.7371*	0.7390*	0.7409*	198.0
198.5	-	0.7260*	0.7279*	0.7298*	0.7317*	0.7336*	0.7355*	0.7374*	0.7393*	0.7411*	198.5
199.0	-	0.7262*	0.7281*	0.7300*	0.7319*	0.7338*	0.7357*	0.7376*	0.7395*	0.7414*	199.0
199.5	-	0.7265*	0.7284*	0.7303*	0.7322*	0.7341*	0.7360*	0.7378*	0.7397*	0.7416*	199.5
200.0	-	0.7267*	0.7286*	0.7305*	0.7324*	0.7343*	0.7362*	0.7381*	0.7400*	0.7419*	200.0

* DENOTES EXTRAPOLATED VALUE

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	
0.0	-	-	-	-	-	-	-	0.6537	0.6557	0.6578	0.0
0.5	-	-	-	-	-	-	-	0.6540	0.6560	0.6581	0.5
1.0	-	-	-	-	-	-	-	0.6542	0.6563	0.6583	1.0
1.5	-	-	-	-	-	-	-	0.6545	0.6565	0.6586	1.5
2.0	-	-	-	-	-	-	-	0.6547	0.6568	0.6589	2.0
2.5	-	-	-	-	-	-	-	0.6550	0.6571	0.6591	2.5
3.0	-	-	-	-	-	-	-	0.6553	0.6573	0.6594	3.0
3.5	-	-	-	-	-	-	-	0.6555	0.6576	0.6596	3.5
4.0	-	-	-	-	-	-	0.6538	0.6558	0.6579	0.6599	4.0
4.5	-	-	-	-	-	-	0.6540	0.6561	0.6581	0.6602	4.5
5.0	-	-	-	-	-	-	0.6543	0.6563	0.6584	0.6604	5.0
5.5	-	-	-	-	-	-	0.6545	0.6566	0.6586	0.6607	5.5
6.0	-	-	-	-	-	-	0.6548	0.6568	0.6589	0.6609	6.0
6.5	-	-	-	-	-	-	0.6551	0.6571	0.6592	0.6612	6.5
7.0	-	-	-	-	-	-	0.6553	0.6574	0.6594	0.6615	7.0
7.5	-	-	-	-	-	-	0.6556	0.6576	0.6597	0.6617	7.5
8.0	-	-	-	-	-	0.6538	0.6559	0.6579	0.6599	0.6620	8.0
8.5	-	-	-	-	-	0.6541	0.6561	0.6582	0.6602	0.6623	8.5
9.0	-	-	-	-	-	0.6543	0.6564	0.6584	0.6605	0.6625	9.0
9.5	-	-	-	-	-	0.6546	0.6566	0.6587	0.6607	0.6628	9.5
10.0	-	-	-	-	-	0.6549	0.6569	0.6589	0.6610	0.6630	10.0
10.5	-	-	-	-	-	0.6551	0.6572	0.6592	0.6612	0.6633	10.5
11.0	-	-	-	-	-	0.6554	0.6574	0.6595	0.6615	0.6636	11.0
11.5	-	-	-	0.6536	0.6556	0.6577	0.6597	0.6597	0.6618	0.6638	11.5
12.0	-	-	-	0.6539	0.6559	0.6580	0.6600	0.6600	0.6620	0.6641	12.0
12.5	-	-	-	0.6541	0.6562	0.6582	0.6603	0.6603	0.6623	0.6643	12.5
13.0	-	-	-	0.6544	0.6564	0.6585	0.6605	0.6605	0.6626	0.6646	13.0
13.5	-	-	-	0.6547	0.6567	0.6588	0.6608	0.6608	0.6628	0.6649	13.5
14.0	-	-	-	0.6549	0.6570	0.6590	0.6610	0.6610	0.6631	0.6651	14.0
14.5	-	-	-	0.6552	0.6572	0.6593	0.6613	0.6613	0.6633	0.6654	14.5
15.0	-	-	-	0.6554	0.6575	0.6595	0.6616	0.6616	0.6636	0.6657	15.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	0.6710	0.6730	0.6750	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F					0.6850	0.6870	0.6890	TEMP. F
15.0	-	-	-	0.6537	0.6554	0.6575	0.6595	0.6616	0.6636	0.6657	0.6677	15.0
15.5	-	-	-	0.6539	0.6557	0.6578	0.6598	0.6618	0.6639	0.6659	0.6679	15.5
16.0	-	-	-	0.6542	0.6560	0.6580	0.6601	0.6621	0.6641	0.6662	0.6682	16.0
16.5	-	-	-	0.6545	0.6563	0.6583	0.6603	0.6624	0.6644	0.6664	0.6684	16.5
17.0	-	-	-	0.6547	0.6565	0.6585	0.6606	0.6626	0.6647	0.6667	0.6687	17.0
17.5	-	-	-	0.6550	0.6568	0.6588	0.6608	0.6629	0.6649	0.6670	0.6690	17.5
18.0	-	-	-	0.6553	0.6570	0.6591	0.6611	0.6631	0.6652	0.6672	0.6692	18.0
18.5	-	-	-	0.6555	0.6573	0.6593	0.6614	0.6634	0.6654	0.6675	0.6695	18.5
19.0	-	-	-	0.6558	0.6576	0.6596	0.6616	0.6637	0.6657	0.6677	0.6697	19.0
19.5	-	-	0.6537	0.6558	0.6578	0.6599	0.6619	0.6639	0.6660	0.6680	0.6700	19.5
20.0	-	-	0.6540	0.6560	0.6581	0.6601	0.6622	0.6642	0.6662	0.6683	0.6703	20.0
20.5	-	-	0.6543	0.6563	0.6584	0.6604	0.6624	0.6644	0.6665	0.6685	0.6705	20.5
21.0	-	-	0.6545	0.6566	0.6586	0.6606	0.6627	0.6647	0.6668	0.6688	0.6708	21.0
21.5	-	-	0.6548	0.6568	0.6589	0.6609	0.6629	0.6650	0.6670	0.6690	0.6710	21.5
22.0	-	-	0.6551	0.6571	0.6591	0.6612	0.6632	0.6652	0.6673	0.6693	0.6713	22.0
22.5	-	-	0.6553	0.6574	0.6594	0.6614	0.6635	0.6655	0.6675	0.6696	0.6716	22.5
23.0	-	-	0.6556	0.6576	0.6597	0.6617	0.6637	0.6658	0.6678	0.6698	0.6718	23.0
23.5	-	0.6538	0.6559	0.6579	0.6599	0.6620	0.6640	0.6660	0.6680	0.6701	0.6721	23.5
24.0	-	0.6541	0.6561	0.6582	0.6602	0.6622	0.6643	0.6663	0.6683	0.6703	0.6723	24.0
24.5	-	0.6544	0.6564	0.6584	0.6604	0.6625	0.6645	0.6665	0.6686	0.6706	0.6726	24.5
25.0	-	0.6546	0.6566	0.6587	0.6607	0.6627	0.6648	0.6668	0.6688	0.6709	0.6729	25.0
25.5	-	0.6549	0.6569	0.6589	0.6610	0.6630	0.6650	0.6671	0.6691	0.6711	0.6731	25.5
26.0	-	0.6552	0.6572	0.6592	0.6612	0.6633	0.6653	0.6673	0.6694	0.6714	0.6734	26.0
26.5	-	0.6554	0.6574	0.6595	0.6615	0.6635	0.6656	0.6676	0.6696	0.6716	0.6736	26.5
27.0	0.6536	0.6557	0.6577	0.6597	0.6618	0.6638	0.6658	0.6678	0.6699	0.6719	0.6739	27.0
27.5	0.6539	0.6559	0.6580	0.6600	0.6620	0.6641	0.6661	0.6681	0.6701	0.6722	0.6742	27.5
28.0	0.6542	0.6562	0.6582	0.6603	0.6623	0.6643	0.6663	0.6684	0.6704	0.6724	0.6744	28.0
28.5	0.6544	0.6565	0.6585	0.6605	0.6626	0.6646	0.6666	0.6686	0.6707	0.6727	0.6747	28.5
29.0	0.6547	0.6567	0.6587	0.6608	0.6628	0.6648	0.6669	0.6689	0.6709	0.6729	0.6749	29.0
29.5	0.6550	0.6570	0.6590	0.6610	0.6631	0.6651	0.6671	0.6691	0.6712	0.6732	0.6752	29.5
30.0	0.6552	0.6573	0.6593	0.6613	0.6633	0.6654	0.6674	0.6694	0.6714	0.6735	0.6755	30.0

* DENOTES EXTRAPOLATED VALUE

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	0.6870	0.6890	
30.0	0.6593	0.6613	0.6633	0.6654	0.6674	0.6694	0.6714	0.6735	0.6714	0.6735	30.0
30.5	0.6595	0.6616	0.6636	0.6656	0.6677	0.6697	0.6717	0.6737	0.6717	0.6737	30.5
31.0	0.6598	0.6618	0.6639	0.6659	0.6679	0.6699	0.6720	0.6740	0.6720	0.6740	31.0
31.5	0.6601	0.6621	0.6641	0.6661	0.6682	0.6702	0.6722	0.6743	0.6722	0.6743	31.5
32.0	0.6603	0.6624	0.6644	0.6664	0.6684	0.6705	0.6725	0.6745	0.6725	0.6745	32.0
32.5	0.6606	0.6626	0.6647	0.6667	0.6687	0.6707	0.6727	0.6748	0.6727	0.6748	32.5
33.0	0.6609	0.6629	0.6649	0.6669	0.6690	0.6710	0.6730	0.6750	0.6730	0.6750	33.0
33.5	0.6611	0.6632	0.6652	0.6672	0.6692	0.6712	0.6733	0.6753	0.6733	0.6753	33.5
34.0	0.6614	0.6634	0.6654	0.6675	0.6695	0.6715	0.6735	0.6756	0.6735	0.6756	34.0
34.5	0.6616	0.6637	0.6657	0.6677	0.6697	0.6718	0.6738	0.6758	0.6738	0.6758	34.5
35.0	0.6619	0.6639	0.6660	0.6680	0.6700	0.6720	0.6740	0.6761	0.6740	0.6761	35.0
35.5	0.6622	0.6642	0.6662	0.6682	0.6703	0.6723	0.6743	0.6763	0.6743	0.6763	35.5
36.0	0.6624	0.6645	0.6665	0.6685	0.6705	0.6725	0.6746	0.6766	0.6746	0.6766	36.0
36.5	0.6627	0.6647	0.6667	0.6688	0.6708	0.6728	0.6748	0.6768	0.6748	0.6768	36.5
37.0	0.6630	0.6650	0.6670	0.6690	0.6711	0.6731	0.6751	0.6771	0.6751	0.6771	37.0
37.5	0.6632	0.6652	0.6673	0.6693	0.6713	0.6733	0.6753	0.6774	0.6753	0.6774	37.5
38.0	0.6635	0.6655	0.6675	0.6696	0.6716	0.6736	0.6756	0.6776	0.6756	0.6776	38.0
38.5	0.6637	0.6658	0.6678	0.6698	0.6718	0.6738	0.6759	0.6779	0.6759	0.6779	38.5
39.0	0.6640	0.6660	0.6681	0.6701	0.6721	0.6741	0.6761	0.6781	0.6761	0.6781	39.0
39.5	0.6643	0.6663	0.6683	0.6703	0.6724	0.6744	0.6764	0.6784	0.6764	0.6784	39.5
40.0	0.6645	0.6666	0.6686	0.6706	0.6726	0.6746	0.6766	0.6787	0.6766	0.6787	40.0
40.5	0.6648	0.6668	0.6688	0.6709	0.6729	0.6749	0.6769	0.6789	0.6769	0.6789	40.5
41.0	0.6651	0.6671	0.6691	0.6711	0.6731	0.6751	0.6772	0.6792	0.6772	0.6792	41.0
41.5	0.6653	0.6673	0.6694	0.6714	0.6734	0.6754	0.6774	0.6794	0.6774	0.6794	41.5
42.0	0.6656	0.6676	0.6696	0.6716	0.6737	0.6757	0.6777	0.6797	0.6777	0.6797	42.0
42.5	0.6658	0.6679	0.6699	0.6719	0.6739	0.6759	0.6779	0.6800	0.6779	0.6800	42.5
43.0	0.6661	0.6681	0.6701	0.6722	0.6742	0.6762	0.6782	0.6802	0.6782	0.6802	43.0
43.5	0.6664	0.6684	0.6704	0.6724	0.6744	0.6764	0.6785	0.6805	0.6785	0.6805	43.5
44.0	0.6666	0.6687	0.6707	0.6727	0.6747	0.6767	0.6787	0.6807	0.6787	0.6807	44.0
44.5	0.6669	0.6689	0.6709	0.6729	0.6750	0.6770	0.6790	0.6810	0.6790	0.6810	44.5
45.0	0.6672	0.6692	0.6712	0.6732	0.6752	0.6772	0.6792	0.6813	0.6792	0.6813	45.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890			
45.0	0.6631	0.6652	0.6672	0.6692	0.6712	0.6732	0.6752	0.6772	0.6792	0.6813	45.0
45.5	0.6634	0.6654	0.6674	0.6694	0.6714	0.6735	0.6755	0.6775	0.6795	0.6815	45.5
46.0	0.6637	0.6657	0.6677	0.6697	0.6717	0.6737	0.6757	0.6777	0.6798	0.6818	46.0
46.5	0.6639	0.6659	0.6679	0.6699	0.6720	0.6740	0.6760	0.6780	0.6800	0.6820	46.5
47.0	0.6642	0.6662	0.6682	0.6702	0.6722	0.6742	0.6763	0.6783	0.6803	0.6823	47.0
47.5	0.6645	0.6665	0.6685	0.6705	0.6725	0.6745	0.6765	0.6785	0.6805	0.6825	47.5
48.0	0.6647	0.6667	0.6687	0.6707	0.6728	0.6748	0.6768	0.6788	0.6808	0.6828	48.0
48.5	0.6650	0.6670	0.6690	0.6710	0.6730	0.6750	0.6770	0.6790	0.6811	0.6831	48.5
49.0	0.6652	0.6672	0.6692	0.6713	0.6733	0.6753	0.6773	0.6793	0.6813	0.6833	49.0
49.5	0.6655	0.6675	0.6695	0.6715	0.6735	0.6755	0.6776	0.6796	0.6816	0.6836	49.5
50.0	0.6658	0.6678	0.6698	0.6718	0.6738	0.6758	0.6778	0.6798	0.6818	0.6838	50.0
50.5	0.6660	0.6680	0.6700	0.6720	0.6741	0.6761	0.6781	0.6801	0.6821	0.6841	50.5
51.0	0.6663	0.6683	0.6703	0.6723	0.6743	0.6763	0.6783	0.6803	0.6823	0.6844	51.0
51.5	0.6665	0.6686	0.6706	0.6726	0.6746	0.6766	0.6786	0.6806	0.6826	0.6846	51.5
52.0	0.6668	0.6688	0.6708	0.6728	0.6748	0.6768	0.6789	0.6809	0.6829	0.6849	52.0
52.5	0.6671	0.6691	0.6711	0.6731	0.6751	0.6771	0.6791	0.6811	0.6831	0.6851	52.5
53.0	0.6673	0.6693	0.6713	0.6734	0.6754	0.6774	0.6794	0.6814	0.6834	0.6854	53.0
53.5	0.6676	0.6696	0.6716	0.6736	0.6756	0.6776	0.6796	0.6816	0.6836	0.6857	53.5
54.0	0.6679	0.6699	0.6719	0.6739	0.6759	0.6779	0.6799	0.6819	0.6839	0.6859	54.0
54.5	0.6681	0.6701	0.6721	0.6741	0.6761	0.6782	0.6802	0.6822	0.6842	0.6862	54.5
55.0	0.6684	0.6704	0.6724	0.6744	0.6764	0.6784	0.6804	0.6824	0.6844	0.6864	55.0
55.5	0.6686	0.6707	0.6727	0.6747	0.6767	0.6787	0.6807	0.6827	0.6847	0.6867	55.5
56.0	0.6689	0.6709	0.6729	0.6749	0.6769	0.6789	0.6809	0.6829	0.6849	0.6869	56.0
56.5	0.6692	0.6712	0.6732	0.6752	0.6772	0.6792	0.6812	0.6832	0.6852	0.6872	56.5
57.0	0.6694	0.6714	0.6734	0.6754	0.6774	0.6795	0.6815	0.6834	0.6855	0.6875	57.0
57.5	0.6697	0.6717	0.6737	0.6757	0.6777	0.6797	0.6817	0.6837	0.6857	0.6877	57.5
58.0	0.6700	0.6720	0.6740	0.6760	0.6780	0.6800	0.6820	0.6840	0.6860	0.6880	58.0
58.5	0.6702	0.6722	0.6742	0.6762	0.6782	0.6802	0.6822	0.6842	0.6862	0.6882	58.5
59.0	0.6705	0.6725	0.6745	0.6765	0.6785	0.6805	0.6825	0.6845	0.6865	0.6885	59.0
59.5	0.6707	0.6727	0.6747	0.6767	0.6787	0.6807	0.6827	0.6847	0.6867	0.6887	59.5
60.0	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	60.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE
CORRESPONDING RELATIVE DENSITY 60/60 F

TEMP. F	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	TEMP. F
60.0	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	60.0
60.5	0.6713	0.6733	0.6753	0.6773	0.6793	0.6813	0.6833	0.6853	0.6873	0.6893	60.5
61.0	0.6715	0.6735	0.6755	0.6775	0.6795	0.6815	0.6835	0.6855	0.6875	0.6895	61.0
61.5	0.6718	0.6738	0.6758	0.6778	0.6798	0.6818	0.6838	0.6858	0.6878	0.6898	61.5
62.0	0.6720	0.6740	0.6760	0.6780	0.6800	0.6820	0.6840	0.6860	0.6880	0.6900	62.0
62.5	0.6723	0.6743	0.6763	0.6783	0.6803	0.6823	0.6843	0.6863	0.6883	0.6903	62.5
63.0	0.6726	0.6746	0.6766	0.6786	0.6806	0.6826	0.6846	0.6865	0.6885	0.6905	63.0
63.5	0.6728	0.6748	0.6768	0.6788	0.6808	0.6828	0.6848	0.6868	0.6888	0.6908	63.5
64.0	0.6731	0.6751	0.6771	0.6791	0.6811	0.6831	0.6851	0.6871	0.6891	0.6911	64.0
64.5	0.6734	0.6753	0.6773	0.6793	0.6813	0.6833	0.6853	0.6873	0.6893	0.6913	64.5
65.0	0.6736	0.6756	0.6776	0.6796	0.6816	0.6836	0.6856	0.6876	0.6896	0.6916	65.0
65.5	0.6739	0.6759	0.6779	0.6799	0.6819	0.6838	0.6858	0.6878	0.6898	0.6918	65.5
66.0	0.6741	0.6761	0.6781	0.6801	0.6821	0.6841	0.6861	0.6881	0.6901	0.6921	66.0
66.5	0.6744	0.6764	0.6784	0.6804	0.6824	0.6844	0.6864	0.6883	0.6903	0.6923	66.5
67.0	0.6747	0.6767	0.6786	0.6806	0.6826	0.6846	0.6866	0.6886	0.6906	0.6926	67.0
67.5	0.6749	0.6769	0.6789	0.6809	0.6829	0.6849	0.6869	0.6889	0.6909	0.6929	67.5
68.0	0.6752	0.6772	0.6792	0.6812	0.6831	0.6851	0.6871	0.6891	0.6911	0.6931	68.0
68.5	0.6754	0.6774	0.6794	0.6814	0.6834	0.6854	0.6874	0.6894	0.6914	0.6934	68.5
69.0	0.6757	0.6777	0.6797	0.6817	0.6837	0.6857	0.6877	0.6896	0.6916	0.6936	69.0
69.5	0.6760	0.6780	0.6799	0.6819	0.6839	0.6859	0.6879	0.6899	0.6919	0.6939	69.5
70.0	0.6762	0.6782	0.6802	0.6822	0.6842	0.6862	0.6882	0.6902	0.6921	0.6941	70.0
70.5	0.6765	0.6785	0.6805	0.6825	0.6844	0.6864	0.6884	0.6904	0.6924	0.6944	70.5
71.0	0.6767	0.6787	0.6807	0.6827	0.6847	0.6867	0.6887	0.6907	0.6927	0.6947	71.0
71.5	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6889	0.6909	0.6929	0.6949	71.5
72.0	0.6773	0.6793	0.6812	0.6832	0.6852	0.6872	0.6892	0.6912	0.6932	0.6952	72.0
72.5	0.6775	0.6795	0.6815	0.6835	0.6855	0.6875	0.6895	0.6914	0.6934	0.6954	72.5
73.0	0.6778	0.6798	0.6818	0.6837	0.6857	0.6877	0.6897	0.6917	0.6937	0.6957	73.0
73.5	0.6780	0.6800	0.6820	0.6840	0.6860	0.6880	0.6900	0.6920	0.6939	0.6959	73.5
74.0	0.6783	0.6803	0.6823	0.6843	0.6863	0.6882	0.6902	0.6922	0.6942	0.6962	74.0
74.5	0.6786	0.6805	0.6825	0.6845	0.6865	0.6885	0.6905	0.6925	0.6945	0.6964	74.5
75.0	0.6788	0.6808	0.6828	0.6848	0.6868	0.6888	0.6907	0.6927	0.6947	0.6967	75.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	
75.0	0.6788	0.6808	0.6828	0.6848	0.6868	0.6888	0.6907	0.6927	0.6947	0.6967	75.0
75.5	0.6791	0.6811	0.6831	0.6850	0.6870	0.6890	0.6910	0.6930	0.6950	0.6970	75.5
76.0	0.6793	0.6813	0.6833	0.6853	0.6873	0.6893	0.6913	0.6932	0.6952	0.6972	76.0
76.5	0.6796	0.6816	0.6836	0.6856	0.6875	0.6895	0.6915	0.6935	0.6955	0.6975	76.5
77.0	0.6799	0.6818	0.6838	0.6858	0.6878	0.6898	0.6918	0.6938	0.6957	0.6977	77.0
77.5	0.6801	0.6821	0.6841	0.6861	0.6881	0.6900	0.6920	0.6940	0.6960	0.6980	77.5
78.0	0.6804	0.6824	0.6843	0.6863	0.6883	0.6903	0.6923	0.6943	0.6963	0.6982	78.0
78.5	0.6806	0.6826	0.6846	0.6866	0.6886	0.6906	0.6925	0.6945	0.6965	0.6985	78.5
79.0	0.6809	0.6829	0.6849	0.6868	0.6888	0.6908	0.6928	0.6948	0.6968	0.6988	79.0
79.5	0.6812	0.6831	0.6851	0.6871	0.6891	0.6911	0.6931	0.6950	0.6970	0.6990	79.5
80.0	0.6814	0.6834	0.6854	0.6874	0.6893	0.6913	0.6933	0.6953	0.6973	0.6993	80.0
80.5	0.6817	0.6837	0.6856	0.6876	0.6896	0.6916	0.6936	0.6956	0.6975	0.6995	80.5
81.0	0.6819	0.6839	0.6859	0.6879	0.6899	0.6919	0.6938	0.6958	0.6978	0.6998	81.0
81.5	0.6822	0.6842	0.6861	0.6881	0.6901	0.6921	0.6941	0.6961	0.6980	0.7000	81.5
82.0	0.6825	0.6844	0.6864	0.6884	0.6904	0.6924	0.6943	0.6963	0.6983	0.7003	82.0
82.5	0.6827	0.6847	0.6867	0.6886	0.6906	0.6926	0.6946	0.6966	0.6986	0.7005	82.5
83.0	0.6830	0.6850	0.6869	0.6889	0.6909	0.6929	0.6949	0.6968	0.6988	0.7008	83.0
83.5	0.6832	0.6852	0.6872	0.6892	0.6911	0.6931	0.6951	0.6971	0.6991	0.7011	83.5
84.0	0.6835	0.6855	0.6874	0.6894	0.6914	0.6934	0.6954	0.6973	0.6993	0.7013	84.0
84.5	0.6838	0.6857	0.6877	0.6897	0.6917	0.6936	0.6956	0.6976	0.6996	0.7016	84.5
85.0	0.6840	0.6860	0.6880	0.6899	0.6919	0.6939	0.6959	0.6979	0.6998	0.7018	85.0
85.5	0.6843	0.6862	0.6882	0.6902	0.6922	0.6942	0.6961	0.6981	0.7001	0.7021	85.5
86.0	0.6845	0.6865	0.6885	0.6905	0.6924	0.6944	0.6964	0.6984	0.7003	0.7023	86.0
86.5	0.6848	0.6868	0.6887	0.6907	0.6927	0.6947	0.6967	0.6986	0.7006	0.7026	86.5
87.0	0.6850	0.6870	0.6890	0.6910	0.6929	0.6949	0.6969	0.6989	0.7009	0.7028	87.0
87.5	0.6853	0.6873	0.6892	0.6912	0.6932	0.6952	0.6972	0.6991	0.7011	0.7031	87.5
88.0	0.6856	0.6875	0.6895	0.6915	0.6935	0.6954	0.6974	0.6994	0.7014	0.7033	88.0
88.5	0.6858	0.6878	0.6898	0.6917	0.6937	0.6957	0.6977	0.6996	0.7016	0.7036	88.5
89.0	0.6861	0.6881	0.6900	0.6920	0.6940	0.6959	0.6979	0.6999	0.7019	0.7039	89.0
89.5	0.6863	0.6883	0.6903	0.6923	0.6942	0.6962	0.6982	0.7002	0.7021	0.7041	89.5
90.0	0.6866	0.6886	0.6905	0.6925	0.6945	0.6965	0.6984	0.7004	0.7024	0.7044	90.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890



TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	0.6870	0.6890	
90.0	0.6905	0.6925	0.6945	0.6965	0.6984	0.7004	0.7024	0.7044	0.7024	0.7044	90.0
90.5	0.6908	0.6928	0.6947	0.6967	0.6987	0.7007	0.7026	0.7046	0.7026	0.7046	90.5
91.0	0.6911	0.6930	0.6950	0.6970	0.6990	0.7009	0.7029	0.7049	0.7029	0.7049	91.0
91.5	0.6913	0.6933	0.6953	0.6972	0.6992	0.7012	0.7032	0.7051	0.7032	0.7051	91.5
92.0	0.6916	0.6935	0.6955	0.6975	0.6995	0.7014	0.7034	0.7054	0.7034	0.7054	92.0
92.5	0.6879	0.6899	0.6918	0.6938	0.6958	0.6977	0.6997	0.7017	0.6997	0.7017	92.5
93.0	0.6881	0.6901	0.6921	0.6941	0.6960	0.6980	0.7000	0.7019	0.7000	0.7019	93.0
93.5	0.6884	0.6904	0.6923	0.6943	0.6963	0.6983	0.7002	0.7022	0.7002	0.7022	93.5
94.0	0.6887	0.6906	0.6926	0.6946	0.6965	0.6985	0.7005	0.7025	0.7005	0.7025	94.0
94.5	0.6889	0.6909	0.6929	0.6948	0.6968	0.6988	0.7007	0.7027	0.7007	0.7027	94.5
95.0	0.6892	0.6911	0.6931	0.6951	0.6970	0.6990	0.7010	0.7030	0.7010	0.7030	95.0
95.5	0.6894	0.6914	0.6934	0.6953	0.6973	0.6993	0.7013	0.7032	0.7013	0.7032	95.5
96.0	0.6897	0.6917	0.6936	0.6956	0.6976	0.6995	0.7015	0.7035	0.7015	0.7035	96.0
96.5	0.6899	0.6919	0.6939	0.6958	0.6978	0.6998	0.7018	0.7037	0.7018	0.7037	96.5
97.0	0.6902	0.6922	0.6941	0.6961	0.6981	0.7000	0.7020	0.7040	0.7020	0.7040	97.0
97.5	0.6905	0.6924	0.6944	0.6964	0.6983	0.7003	0.7023	0.7042	0.7023	0.7042	97.5
98.0	0.6907	0.6927	0.6946	0.6966	0.6986	0.7006	0.7025	0.7045	0.7025	0.7045	98.0
98.5	0.6910	0.6929	0.6949	0.6969	0.6988	0.7008	0.7028	0.7047	0.7028	0.7047	98.5
99.0	0.6912	0.6932	0.6952	0.6971	0.6991	0.7011	0.7030	0.7050	0.7030	0.7050	99.0
99.5	0.6915	0.6934	0.6954	0.6974	0.6994	0.7013	0.7033	0.7053	0.7033	0.7053	99.5
100.0	0.6917	0.6937	0.6957	0.6976	0.6996	0.7016	0.7035	0.7055	0.7035	0.7055	100.0
100.5	0.6920	0.6940	0.6959	0.6979	0.6999	0.7018	0.7038	0.7058	0.7038	0.7058	100.5
101.0	0.6923	0.6942	0.6962	0.6982	0.7001	0.7021	0.7041	0.7060	0.7041	0.7060	101.0
101.5	0.6925	0.6945	0.6964	0.6984	0.7004	0.7023	0.7043	0.7063	0.7043	0.7063	101.5
102.0	0.6928	0.6947	0.6967	0.6987	0.7006	0.7026	0.7046	0.7065	0.7046	0.7065	102.0
102.5	0.6930	0.6950	0.6970	0.6989	0.7009	0.7028	0.7048	0.7068	0.7048	0.7068	102.5
103.0	0.6933	0.6952	0.6972	0.6992	0.7011	0.7031	0.7051	0.7070	0.7051	0.7070	103.0
103.5	0.6935	0.6955	0.6975	0.6994	0.7014	0.7034	0.7053	0.7073	0.7053	0.7073	103.5
104.0	0.6938	0.6958	0.6977	0.6997	0.7016	0.7036	0.7056	0.7075	0.7056	0.7075	104.0
104.5	0.6941	0.6960	0.6980	0.6999	0.7019	0.7039	0.7058	0.7078	0.7058	0.7078	104.5
105.0	0.6943	0.6963	0.6982	0.7002	0.7022	0.7041	0.7061	0.7080	0.7061	0.7080	105.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	0.6870	0.6890	
105.0	0.6982	0.7002	0.7022	0.7041	0.7061	0.7080	0.7100	0.7120	0.7100	0.7120	105.0
105.5	0.6985	0.7004	0.7024	0.7044	0.7063	0.7083	0.7103	0.7122	0.7103	0.7122	105.5
106.0	0.6987	0.7007	0.7027	0.7046	0.7066	0.7086	0.7105	0.7125	0.7105	0.7125	106.0
106.5	0.6990	0.7010	0.7029	0.7049	0.7069	0.7088	0.7108	0.7127	0.7108	0.7127	106.5
107.0	0.6993	0.7012	0.7032	0.7051	0.7071	0.7091	0.7110	0.7130	0.7110	0.7130	107.0
107.5	0.6995	0.7015	0.7034	0.7054	0.7074	0.7093	0.7113	0.7132	0.7113	0.7132	107.5
108.0	0.6998	0.7017	0.7037	0.7056	0.7076	0.7096	0.7115	0.7135	0.7115	0.7135	108.0
108.5	0.7000	0.7020	0.7039	0.7059	0.7079	0.7098	0.7118	0.7137	0.7118	0.7137	108.5
109.0	0.7003	0.7022	0.7042	0.7062	0.7081	0.7101	0.7120	0.7140	0.7120	0.7140	109.0
109.5	0.7005	0.7025	0.7044	0.7064	0.7084	0.7103	0.7123	0.7142	0.7123	0.7142	109.5
110.0	0.7008	0.7027	0.7047	0.7067	0.7086	0.7106	0.7125	0.7145	0.7125	0.7145	110.0
110.5	0.7010	0.7030	0.7050	0.7069	0.7089	0.7108	0.7128	0.7147	0.7128	0.7147	110.5
111.0	0.7013	0.7033	0.7052	0.7072	0.7091	0.7111	0.7130	0.7150	0.7130	0.7150	111.0
111.5	0.7016	0.7035	0.7055	0.7074	0.7094	0.7113	0.7133	0.7153	0.7133	0.7153	111.5
112.0	0.7018	0.7038	0.7057	0.7077	0.7096	0.7116	0.7135	0.7155	0.7135	0.7155	112.0
112.5	0.7021	0.7040	0.7060	0.7079	0.7099	0.7118	0.7138	0.7158	0.7138	0.7158	112.5
113.0	0.7023	0.7043	0.7062	0.7082	0.7101	0.7121	0.7141	0.7160	0.7141	0.7160	113.0
113.5	0.7026	0.7045	0.7065	0.7084	0.7104	0.7123	0.7143	0.7163	0.7143	0.7163	113.5
114.0	0.7028	0.7048	0.7067	0.7087	0.7107	0.7126	0.7146	0.7165	0.7146	0.7165	114.0
114.5	0.7031	0.7050	0.7070	0.7089	0.7109	0.7129	0.7148	0.7168	0.7148	0.7168	114.5
115.0	0.7033	0.7053	0.7072	0.7092	0.7112	0.7131	0.7151	0.7170	0.7151	0.7170	115.0
115.5	0.7036	0.7055	0.7075	0.7094	0.7114	0.7134	0.7153	0.7173	0.7153	0.7173	115.5
116.0	0.7038	0.7058	0.7077	0.7097	0.7117	0.7136	0.7156	0.7175	0.7156	0.7175	116.0
116.5	0.7041	0.7060	0.7080	0.7100	0.7119	0.7139	0.7158	0.7178	0.7158	0.7178	116.5
117.0	0.7044	0.7063	0.7083	0.7102	0.7122	0.7141	0.7161	0.7180	0.7161	0.7180	117.0
117.5	0.7046	0.7066	0.7085	0.7105	0.7124	0.7144	0.7163	0.7183	0.7163	0.7183	117.5
118.0	0.7049	0.7068	0.7088	0.7107	0.7127	0.7146	0.7166	0.7185	0.7166	0.7185	118.0
118.5	0.7051	0.7071	0.7090	0.7110	0.7129	0.7149	0.7168	0.7188	0.7168	0.7188	118.5
119.0	0.7054	0.7073	0.7093	0.7112	0.7132	0.7151	0.7171	0.7190	0.7171	0.7190	119.0
119.5	0.7056	0.7076	0.7095	0.7115	0.7134	0.7154	0.7173	0.7193	0.7173	0.7193	119.5
120.0	0.7059	0.7078	0.7098	0.7117	0.7137	0.7156	0.7176	0.7195	0.7176	0.7195	120.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE
CORRESPONDING RELATIVE DENSITY 60/60 F

TEMP. F	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	TEMP. F
120.0	0.7020	0.7039	0.7059	0.7078	0.7098	0.7117	0.7137	0.7156	0.7176	0.7195	120.0
120.5	0.7022	0.7042	0.7061	0.7081	0.7100	0.7120	0.7139	0.7159	0.7178	0.7198	120.5
121.0	0.7025	0.7044	0.7064	0.7083	0.7103	0.7122	0.7142	0.7161	0.7181	0.7200	121.0
121.5	0.7027	0.7047	0.7066	0.7086	0.7105	0.7125	0.7144	0.7164	0.7183	0.7203	121.5
122.0	0.7030	0.7049	0.7069	0.7088	0.7108	0.7127	0.7147	0.7166	0.7186	0.7205	122.0
122.5	0.7032	0.7052	0.7071	0.7091	0.7110	0.7130	0.7149	0.7169	0.7188	0.7208	122.5
123.0	0.7035	0.7054	0.7074	0.7093	0.7113	0.7132	0.7152	0.7171	0.7191	0.7210	123.0
123.5	0.7038	0.7057	0.7076	0.7096	0.7115	0.7135	0.7154	0.7174	0.7193	0.7213	123.5
124.0	0.7040	0.7060	0.7079	0.7098	0.7118	0.7138	0.7157	0.7176	0.7196	0.7215	124.0
124.5	0.7043	0.7062	0.7082	0.7101	0.7120	0.7140	0.7159	0.7179	0.7198	0.7218	124.5
125.0	0.7045	0.7065	0.7084	0.7104	0.7123	0.7143	0.7162	0.7181	0.7201	0.7220	125.0
125.5	0.7048	0.7067	0.7087	0.7106	0.7126	0.7145	0.7165	0.7184	0.7203	0.7223	125.5
126.0	0.7050	0.7070	0.7089	0.7109	0.7128	0.7148	0.7167	0.7186	0.7206	0.7225	126.0
126.5	0.7053	0.7072	0.7092	0.7111	0.7131	0.7150	0.7170	0.7189	0.7208	0.7228	126.5
127.0	0.7055	0.7075	0.7094	0.7114	0.7133	0.7153	0.7172	0.7192	0.7211	0.7230	127.0
127.5	0.7058	0.7077	0.7097	0.7116	0.7136	0.7155	0.7175	0.7194	0.7214	0.7233	127.5
128.0	0.7060	0.7080	0.7099	0.7119	0.7138	0.7158	0.7177	0.7197	0.7216	0.7235	128.0
128.5	0.7063	0.7082	0.7102	0.7121	0.7141	0.7160	0.7180	0.7199	0.7218	0.7238	128.5
129.0	0.7065	0.7085	0.7104	0.7124	0.7143	0.7163	0.7182	0.7202	0.7221	0.7240	129.0
129.5	0.7068	0.7087	0.7107	0.7126	0.7146	0.7165	0.7185	0.7204	0.7224	0.7243	129.5
130.0	0.7070	0.7090	0.7109	0.7129	0.7148	0.7168	0.7187	0.7207	0.7226	0.7245	130.0
130.5	0.7073	0.7092	0.7112	0.7131	0.7151	0.7170	0.7190	0.7209	0.7228	0.7248	130.5
131.0	0.7076	0.7095	0.7114	0.7134	0.7153	0.7173	0.7192	0.7212	0.7231	0.7250	131.0
131.5	0.7078	0.7097	0.7117	0.7136	0.7156	0.7175	0.7195	0.7214	0.7234	0.7253	131.5
132.0	0.7081	0.7100	0.7119	0.7139	0.7158	0.7178	0.7197	0.7217	0.7236	0.7255	132.0
132.5	0.7083	0.7103	0.7122	0.7141	0.7161	0.7180	0.7200	0.7219	0.7238	0.7258	132.5
133.0	0.7086	0.7105	0.7124	0.7144	0.7163	0.7183	0.7202	0.7222	0.7241	0.7261	133.0
133.5	0.7088	0.7108	0.7127	0.7146	0.7166	0.7185	0.7205	0.7224	0.7243	0.7263	133.5
134.0	0.7091	0.7110	0.7129	0.7149	0.7168	0.7188	0.7207	0.7227	0.7246	0.7266	134.0
134.5	0.7093	0.7113	0.7132	0.7151	0.7171	0.7190	0.7210	0.7229	0.7249	0.7268	134.5
135.0	0.7096	0.7115	0.7135	0.7154	0.7173	0.7193	0.7212	0.7232	0.7251	0.7270	135.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	0.6870	0.6890	
135.0	0.7135	0.7154	0.7173	0.7193	0.7212	0.7232	0.7251	0.7270	0.7251	0.7270	135.0
135.5	0.7137	0.7156	0.7176	0.7195	0.7215	0.7234	0.7253	0.7273	0.7253	0.7273	135.5
136.0	0.7140	0.7159	0.7178	0.7198	0.7217	0.7237	0.7256	0.7275	0.7256	0.7275	136.0
136.5	0.7142	0.7161	0.7181	0.7200	0.7220	0.7239	0.7258	0.7278	0.7258	0.7278	136.5
137.0	0.7145	0.7164	0.7183	0.7203	0.7222	0.7242	0.7261	0.7280	0.7261	0.7280	137.0
137.5	0.7147	0.7166	0.7186	0.7205	0.7225	0.7244	0.7263	0.7283	0.7263	0.7283	137.5
138.0	0.7150	0.7169	0.7188	0.7208	0.7227	0.7247	0.7266	0.7285	0.7266	0.7285	138.0
138.5	0.7152	0.7172	0.7191	0.7210	0.7230	0.7249	0.7269	0.7288	0.7269	0.7288	138.5
139.0	0.7155	0.7174	0.7193	0.7213	0.7232	0.7252	0.7271	0.7290	0.7271	0.7290	139.0
139.5	0.7157	0.7177	0.7196	0.7215	0.7235	0.7254	0.7274	0.7293	0.7274	0.7293	139.5
140.0	0.7160	0.7179	0.7198	0.7218	0.7237	0.7257	0.7276	0.7295	0.7276	0.7295	140.0
140.5	0.7162	0.7182	0.7201	0.7220	0.7240	0.7259	0.7278	0.7298	0.7278	0.7298	140.5
141.0	0.7165	0.7184	0.7203	0.7223	0.7242	0.7261	0.7281	0.7300	0.7281	0.7300	141.0
141.5	0.7167	0.7187	0.7206	0.7225	0.7245	0.7264	0.7283	0.7303	0.7283	0.7303	141.5
142.0	0.7170	0.7189	0.7208	0.7228	0.7247	0.7266	0.7286	0.7305	0.7286	0.7305	142.0
142.5	0.7172	0.7192	0.7211	0.7230	0.7250	0.7269	0.7288	0.7308	0.7288	0.7308	142.5
143.0	0.7175	0.7194	0.7213	0.7233	0.7252	0.7271	0.7291	0.7310	0.7291	0.7310	143.0
143.5	0.7177	0.7197	0.7216	0.7235	0.7255	0.7274	0.7293	0.7313	0.7293	0.7313	143.5
144.0	0.7180	0.7199	0.7219	0.7238	0.7257	0.7277	0.7296	0.7315	0.7296	0.7315	144.0
144.5	0.7182	0.7202	0.7221	0.7240	0.7260	0.7279	0.7298	0.7318	0.7298	0.7318	144.5
145.0	0.7185	0.7204	0.7223	0.7243	0.7262	0.7282	0.7301	0.7320	0.7301	0.7320	145.0
145.5	0.7187	0.7207	0.7226	0.7245	0.7265	0.7284	0.7303	0.7323	0.7303	0.7323	145.5
146.0	0.7190	0.7209	0.7229	0.7248	0.7267	0.7286	0.7306	0.7325	0.7306	0.7325	146.0
146.5	0.7192	0.7212	0.7231	0.7250	0.7270	0.7289	0.7308	0.7328	0.7308	0.7328	146.5
147.0	0.7195	0.7214	0.7233	0.7253	0.7272	0.7291	0.7311	0.7330	0.7311	0.7330	147.0
147.5	0.7197	0.7217	0.7236	0.7255	0.7275	0.7294	0.7313	0.7333	0.7313	0.7333	147.5
148.0	0.7200	0.7219	0.7238	0.7258	0.7277	0.7296	0.7316	0.7335	0.7316	0.7335	148.0
148.5	0.7202	0.7222	0.7241	0.7260	0.7280	0.7299	0.7318	0.7338	0.7318	0.7338	148.5
149.0	0.7205	0.7224	0.7244	0.7263	0.7282	0.7301	0.7321	0.7340	0.7321	0.7340	149.0
149.5	0.7207	0.7227	0.7246	0.7265	0.7285	0.7304	0.7323	0.7343	0.7323	0.7343	149.5
150.0	0.7210	0.7229	0.7249	0.7268	0.7287	0.7306	0.7326	0.7345	0.7326	0.7345	150.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE
CORRESPONDING RELATIVE DENSITY 60/60 F

TEMP. F	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	TEMP. F
150.0	0.7171	0.7191	0.7210	0.7229	0.7249	0.7268	0.7287	0.7306	0.7326	0.7345	150.0
150.5	0.7174*	0.7193*	0.7212*	0.7232*	0.7251*	0.7270*	0.7290*	0.7309*	0.7328*	0.7347*	150.5
151.0	0.7176*	0.7196*	0.7215*	0.7234*	0.7254*	0.7273*	0.7292*	0.7311*	0.7331*	0.7350*	151.0
151.5	0.7179*	0.7198*	0.7217*	0.7237*	0.7256*	0.7275*	0.7295*	0.7314*	0.7333*	0.7352*	151.5
152.0	0.7181*	0.7201*	0.7220*	0.7239*	0.7258*	0.7278*	0.7297*	0.7316*	0.7336*	0.7355*	152.0
152.5	0.7184*	0.7203*	0.7222*	0.7242*	0.7261*	0.7280*	0.7300*	0.7319*	0.7338*	0.7357*	152.5
153.0	0.7186*	0.7206*	0.7225*	0.7244*	0.7263*	0.7283*	0.7302*	0.7321*	0.7341*	0.7360*	153.0
153.5	0.7189*	0.7208*	0.7227*	0.7247*	0.7266*	0.7285*	0.7305*	0.7324*	0.7343*	0.7362*	153.5
154.0	0.7191*	0.7211*	0.7230*	0.7249*	0.7268*	0.7288*	0.7307*	0.7326*	0.7346*	0.7365*	154.0
154.5	0.7194*	0.7213*	0.7232*	0.7252*	0.7271*	0.7290*	0.7310*	0.7329*	0.7348*	0.7367*	154.5
155.0	0.7196*	0.7216*	0.7235*	0.7254*	0.7273*	0.7293*	0.7312*	0.7331*	0.7350*	0.7370*	155.0
155.5	0.7199*	0.7218*	0.7237*	0.7257*	0.7276*	0.7295*	0.7314*	0.7334*	0.7353*	0.7372*	155.5
156.0	0.7201*	0.7221*	0.7240*	0.7259*	0.7278*	0.7298*	0.7317*	0.7336*	0.7355*	0.7375*	156.0
156.5	0.7204*	0.7223*	0.7242*	0.7262*	0.7281*	0.7300*	0.7319*	0.7339*	0.7358*	0.7377*	156.5
157.0	0.7206*	0.7226*	0.7245*	0.7264*	0.7283*	0.7303*	0.7322*	0.7341*	0.7360*	0.7380*	157.0
157.5	0.7209*	0.7228*	0.7247*	0.7267*	0.7286*	0.7305*	0.7324*	0.7344*	0.7363*	0.7382*	157.5
158.0	0.7211*	0.7231*	0.7250*	0.7269*	0.7288*	0.7308*	0.7327*	0.7346*	0.7365*	0.7385*	158.0
158.5	0.7214*	0.7233*	0.7252*	0.7272*	0.7291*	0.7310*	0.7329*	0.7349*	0.7368*	0.7387*	158.5
159.0	0.7216*	0.7236*	0.7255*	0.7274*	0.7293*	0.7313*	0.7332*	0.7351*	0.7370*	0.7390*	159.0
159.5	0.7219*	0.7238*	0.7257*	0.7277*	0.7296*	0.7315*	0.7334*	0.7353*	0.7373*	0.7392*	159.5
160.0	0.7221*	0.7241*	0.7260*	0.7279*	0.7298*	0.7317*	0.7337*	0.7356*	0.7375*	0.7394*	160.0
160.5	0.7224*	0.7243*	0.7262*	0.7282*	0.7301*	0.7320*	0.7339*	0.7358*	0.7378*	0.7397*	160.5
161.0	0.7226*	0.7246*	0.7265*	0.7284*	0.7303*	0.7322*	0.7342*	0.7361*	0.7380*	0.7399*	161.0
161.5	0.7229*	0.7248*	0.7267*	0.7286*	0.7306*	0.7325*	0.7344*	0.7363*	0.7383*	0.7402*	161.5
162.0	0.7231*	0.7251*	0.7270*	0.7289*	0.7308*	0.7327*	0.7347*	0.7366*	0.7385*	0.7404*	162.0
162.5	0.7234*	0.7253*	0.7272*	0.7291*	0.7311*	0.7330*	0.7349*	0.7368*	0.7388*	0.7407*	162.5
163.0	0.7236*	0.7256*	0.7275*	0.7294*	0.7313*	0.7332*	0.7352*	0.7371*	0.7390*	0.7409*	163.0
163.5	0.7239*	0.7258*	0.7277*	0.7296*	0.7316*	0.7335*	0.7354*	0.7373*	0.7392*	0.7412*	163.5
164.0	0.7241*	0.7261*	0.7280*	0.7299*	0.7318*	0.7337*	0.7357*	0.7376*	0.7395*	0.7414*	164.0
164.5	0.7244*	0.7263*	0.7282*	0.7301*	0.7321*	0.7340*	0.7359*	0.7378*	0.7397*	0.7417*	164.5
165.0	0.7246*	0.7265*	0.7285*	0.7304*	0.7323*	0.7342*	0.7362*	0.7381*	0.7400*	0.7419*	165.0

OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

* DENOTES EXTRAPOLATED VALUE

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	
165.0	0.7246*	0.7265*	0.7285*	0.7304*	0.7323*	0.7342*	0.7362*	0.7381*	0.7400*	0.7419*	165.0
165.5	0.7249*	0.7268*	0.7287*	0.7306*	0.7326*	0.7345*	0.7364*	0.7383*	0.7402*	0.7422*	165.5
166.0	0.7251*	0.7270*	0.7290*	0.7309*	0.7328*	0.7347*	0.7366*	0.7386*	0.7405*	0.7424*	166.0
166.5	0.7254*	0.7273*	0.7292*	0.7311*	0.7330*	0.7350*	0.7369*	0.7388*	0.7407*	0.7426*	166.5
167.0	0.7256*	0.7275*	0.7295*	0.7314*	0.7333*	0.7352*	0.7371*	0.7391*	0.7410*	0.7429*	167.0
167.5	0.7259*	0.7278*	0.7297*	0.7316*	0.7335*	0.7355*	0.7374*	0.7393*	0.7412*	0.7431*	167.5
168.0	0.7261*	0.7280*	0.7300*	0.7319*	0.7338*	0.7357*	0.7376*	0.7395*	0.7415*	0.7434*	168.0
168.5	0.7264*	0.7283*	0.7302*	0.7321*	0.7340*	0.7360*	0.7379*	0.7398*	0.7417*	0.7436*	168.5
169.0	0.7266*	0.7285*	0.7304*	0.7324*	0.7343*	0.7362*	0.7381*	0.7400*	0.7419*	0.7439*	169.0
169.5	0.7269*	0.7288*	0.7307*	0.7326*	0.7345*	0.7365*	0.7384*	0.7403*	0.7422*	0.7441*	169.5
170.0	0.7271*	0.7290*	0.7309*	0.7329*	0.7348*	0.7367*	0.7386*	0.7405*	0.7424*	0.7444*	170.0
170.5	0.7274*	0.7293*	0.7312*	0.7331*	0.7350*	0.7369*	0.7389*	0.7408*	0.7427*	0.7446*	170.5
171.0	0.7276*	0.7295*	0.7314*	0.7334*	0.7353*	0.7372*	0.7391*	0.7410*	0.7429*	0.7449*	171.0
171.5	0.7279*	0.7298*	0.7317*	0.7336*	0.7355*	0.7374*	0.7394*	0.7413*	0.7432*	0.7451*	171.5
172.0	0.7281*	0.7300*	0.7319*	0.7339*	0.7358*	0.7377*	0.7396*	0.7415*	0.7434*	0.7453*	172.0
172.5	0.7284*	0.7303*	0.7322*	0.7341*	0.7360*	0.7379*	0.7399*	0.7417*	0.7437*	0.7456*	172.5
173.0	0.7286*	0.7305*	0.7324*	0.7343*	0.7363*	0.7382*	0.7401*	0.7420*	0.7439*	0.7458*	173.0
173.5	0.7288*	0.7308*	0.7327*	0.7346*	0.7365*	0.7384*	0.7403*	0.7422*	0.7442*	0.7461*	173.5
174.0	0.7291*	0.7310*	0.7329*	0.7348*	0.7367*	0.7387*	0.7406*	0.7425*	0.7444*	0.7463*	174.0
174.5	0.7293*	0.7313*	0.7332*	0.7351*	0.7370*	0.7389*	0.7408*	0.7427*	0.7447*	0.7466*	174.5
175.0	0.7296*	0.7315*	0.7334*	0.7353*	0.7372*	0.7392*	0.7411*	0.7430*	0.7449*	0.7468*	175.0
175.5	0.7298*	0.7318*	0.7337*	0.7356*	0.7375*	0.7394*	0.7413*	0.7432*	0.7451*	0.7471*	175.5
176.0	0.7301*	0.7320*	0.7339*	0.7358*	0.7377*	0.7396*	0.7416*	0.7435*	0.7454*	0.7473*	176.0
176.5	0.7303*	0.7323*	0.7342*	0.7361*	0.7380*	0.7399*	0.7418*	0.7437*	0.7456*	0.7476*	176.5
177.0	0.7306*	0.7325*	0.7344*	0.7363*	0.7382*	0.7402*	0.7421*	0.7440*	0.7459*	0.7478*	177.0
177.5	0.7308*	0.7327*	0.7346*	0.7366*	0.7385*	0.7404*	0.7423*	0.7442*	0.7461*	0.7480*	177.5
178.0	0.7311*	0.7330*	0.7349*	0.7368*	0.7387*	0.7406*	0.7425*	0.7445*	0.7464*	0.7483*	178.0
178.5	0.7313*	0.7332*	0.7351*	0.7371*	0.7390*	0.7409*	0.7428*	0.7447*	0.7466*	0.7485*	178.5
179.0	0.7316*	0.7335*	0.7354*	0.7373*	0.7392*	0.7411*	0.7430*	0.7449*	0.7469*	0.7488*	179.0
179.5	0.7318*	0.7337*	0.7356*	0.7375*	0.7394*	0.7414*	0.7433*	0.7452*	0.7471*	0.7490*	179.5
180.0	0.7321*	0.7340*	0.7359*	0.7378*	0.7397*	0.7416*	0.7435*	0.7454*	0.7473*	0.7493*	180.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE

TEMP. F	0.6710	0.6730	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	TEMP. F
	CORRESPONDING RELATIVE DENSITY 60/60 F										
180.0	0.7321*	0.7340*	0.7359*	0.7378*	0.7397*	0.7416*	0.7435*	0.7454*	0.7473*	0.7493*	180.0
180.5	0.7323*	0.7342*	0.7361*	0.7380*	0.7400*	0.7419*	0.7438*	0.7457*	0.7476*	0.7495*	180.5
181.0	0.7326*	0.7345*	0.7364*	0.7383*	0.7402*	0.7421*	0.7440*	0.7459*	0.7478*	0.7497*	181.0
181.5	0.7328*	0.7347*	0.7366*	0.7385*	0.7404*	0.7423*	0.7443*	0.7462*	0.7481*	0.7500*	181.5
182.0	0.7331*	0.7350*	0.7369*	0.7388*	0.7407*	0.7426*	0.7445*	0.7464*	0.7483*	0.7502*	182.0
182.5	0.7333*	0.7352*	0.7371*	0.7390*	0.7409*	0.7428*	0.7448*	0.7467*	0.7486*	0.7505*	182.5
183.0	0.7335*	0.7355*	0.7374*	0.7393*	0.7412*	0.7431*	0.7450*	0.7469*	0.7488*	0.7507*	183.0
183.5	0.7338*	0.7357*	0.7376*	0.7395*	0.7414*	0.7433*	0.7452*	0.7471*	0.7491*	0.7510*	183.5
184.0	0.7340*	0.7359*	0.7379*	0.7398*	0.7417*	0.7436*	0.7455*	0.7474*	0.7493*	0.7512*	184.0
184.5	0.7343*	0.7362*	0.7381*	0.7400*	0.7419*	0.7438*	0.7457*	0.7476*	0.7495*	0.7515*	184.5
185.0	0.7345*	0.7364*	0.7383*	0.7402*	0.7422*	0.7441*	0.7460*	0.7479*	0.7498*	0.7517*	185.0
185.5	0.7348*	0.7367*	0.7386*	0.7405*	0.7424*	0.7443*	0.7462*	0.7481*	0.7500*	0.7519*	185.5
186.0	0.7350*	0.7369*	0.7388*	0.7407*	0.7426*	0.7446*	0.7465*	0.7484*	0.7503*	0.7522*	186.0
186.5	0.7353*	0.7372*	0.7391*	0.7410*	0.7429*	0.7448*	0.7467*	0.7486*	0.7505*	0.7524*	186.5
187.0	0.7355*	0.7374*	0.7393*	0.7412*	0.7431*	0.7450*	0.7470*	0.7489*	0.7508*	0.7527*	187.0
187.5	0.7358*	0.7377*	0.7396*	0.7415*	0.7434*	0.7453*	0.7472*	0.7491*	0.7510*	0.7529*	187.5
188.0	0.7360*	0.7379*	0.7398*	0.7417*	0.7436*	0.7455*	0.7474*	0.7493*	0.7513*	0.7532*	188.0
188.5	0.7363*	0.7382*	0.7401*	0.7420*	0.7439*	0.7458*	0.7477*	0.7496*	0.7515*	0.7534*	188.5
189.0	0.7365*	0.7384*	0.7403*	0.7422*	0.7441*	0.7460*	0.7479*	0.7498*	0.7517*	0.7536*	189.0
189.5	0.7367*	0.7386*	0.7405*	0.7425*	0.7444*	0.7463*	0.7482*	0.7501*	0.7520*	0.7539*	189.5
190.0	0.7370*	0.7389*	0.7408*	0.7427*	0.7446*	0.7465*	0.7484*	0.7503*	0.7522*	0.7541*	190.0
190.5	0.7372*	0.7391*	0.7410*	0.7429*	0.7449*	0.7468*	0.7487*	0.7506*	0.7525*	0.7544*	190.5
191.0	0.7375*	0.7394*	0.7413*	0.7432*	0.7451*	0.7470*	0.7489*	0.7508*	0.7527*	0.7546*	191.0
191.5	0.7377*	0.7396*	0.7415*	0.7434*	0.7453*	0.7472*	0.7491*	0.7510*	0.7529*	0.7549*	191.5
192.0	0.7380*	0.7399*	0.7418*	0.7437*	0.7456*	0.7475*	0.7494*	0.7513*	0.7532*	0.7551*	192.0
192.5	0.7382*	0.7401*	0.7420*	0.7439*	0.7458*	0.7477*	0.7496*	0.7515*	0.7534*	0.7553*	192.5
193.0	0.7385*	0.7404*	0.7423*	0.7442*	0.7461*	0.7480*	0.7499*	0.7518*	0.7537*	0.7556*	193.0
193.5	0.7387*	0.7406*	0.7425*	0.7444*	0.7463*	0.7482*	0.7501*	0.7520*	0.7539*	0.7558*	193.5
194.0	0.7390*	0.7408*	0.7427*	0.7447*	0.7466*	0.7485*	0.7504*	0.7523*	0.7542*	0.7561*	194.0
194.5	0.7392*	0.7411*	0.7430*	0.7449*	0.7468*	0.7487*	0.7506*	0.7525*	0.7544*	0.7563*	194.5
195.0	0.7394*	0.7413*	0.7432*	0.7451*	0.7470*	0.7489*	0.7509*	0.7527*	0.7547*	0.7566*	195.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6710 TO 0.6890

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6750	0.6770	0.6790	0.6810	0.6830	0.6850	0.6870	0.6890	0.6870	0.6890	
195.0	0.7394*	0.7413*	0.7432*	0.7451*	0.7470*	0.7489*	0.7509*	0.7527*	0.7547*	0.7566*	195.0
195.5	0.7397*	0.7416*	0.7435*	0.7454*	0.7473*	0.7492*	0.7511*	0.7530*	0.7549*	0.7568*	195.5
196.0	0.7399*	0.7418*	0.7437*	0.7456*	0.7475*	0.7494*	0.7513*	0.7532*	0.7551*	0.7570*	196.0
196.5	0.7402*	0.7421*	0.7440*	0.7459*	0.7478*	0.7497*	0.7516*	0.7535*	0.7554*	0.7573*	196.5
197.0	0.7404*	0.7423*	0.7442*	0.7461*	0.7480*	0.7499*	0.7518*	0.7537*	0.7556*	0.7575*	197.0
197.5	0.7407*	0.7426*	0.7445*	0.7464*	0.7483*	0.7502*	0.7521*	0.7540*	0.7559*	0.7578*	197.5
198.0	0.7409*	0.7428*	0.7447*	0.7466*	0.7485*	0.7504*	0.7523*	0.7542*	0.7561*	0.7580*	198.0
198.5	0.7411*	0.7431*	0.7450*	0.7468*	0.7487*	0.7506*	0.7525*	0.7544*	0.7563*	0.7583*	198.5
199.0	0.7414*	0.7433*	0.7452*	0.7471*	0.7490*	0.7509*	0.7528*	0.7547*	0.7566*	0.7585*	199.0
199.5	0.7416*	0.7435*	0.7454*	0.7473*	0.7492*	0.7511*	0.7530*	0.7549*	0.7568*	0.7587*	199.5
200.0	0.7419*	0.7438*	0.7457*	0.7476*	0.7495*	0.7514*	0.7533*	0.7552*	0.7571*	0.7590*	200.0

* DENOTES EXTRAPOLATED VALUE

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE
CORRESPONDING RELATIVE DENSITY 60/60 F

TEMP. F	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	TEMP. F
0.0	0.6578	0.6599	0.6619	0.6640	0.6660	0.6681	0.6701	0.6722	0.6742	0.6763	0.0
0.5	0.6581	0.6601	0.6622	0.6642	0.6663	0.6683	0.6704	0.6724	0.6745	0.6765	0.5
1.0	0.6583	0.6604	0.6624	0.6645	0.6665	0.6686	0.6706	0.6727	0.6747	0.6768	1.0
1.5	0.6586	0.6606	0.6627	0.6647	0.6668	0.6688	0.6709	0.6729	0.6750	0.6770	1.5
2.0	0.6589	0.6609	0.6630	0.6650	0.6671	0.6691	0.6712	0.6732	0.6752	0.6773	2.0
2.5	0.6591	0.6612	0.6632	0.6653	0.6673	0.6694	0.6714	0.6735	0.6755	0.6776	2.5
3.0	0.6594	0.6614	0.6635	0.6655	0.6676	0.6696	0.6717	0.6737	0.6758	0.6778	3.0
3.5	0.6596	0.6617	0.6637	0.6658	0.6678	0.6699	0.6719	0.6740	0.6760	0.6781	3.5
4.0	0.6599	0.6619	0.6640	0.6660	0.6681	0.6701	0.6722	0.6742	0.6763	0.6783	4.0
4.5	0.6602	0.6622	0.6643	0.6663	0.6684	0.6704	0.6724	0.6745	0.6765	0.6786	4.5
5.0	0.6604	0.6625	0.6645	0.6666	0.6686	0.6707	0.6727	0.6748	0.6768	0.6788	5.0
5.5	0.6607	0.6627	0.6648	0.6668	0.6689	0.6709	0.6730	0.6750	0.6771	0.6791	5.5
6.0	0.6609	0.6630	0.6651	0.6671	0.6691	0.6712	0.6732	0.6753	0.6773	0.6794	6.0
6.5	0.6612	0.6633	0.6653	0.6673	0.6694	0.6714	0.6735	0.6755	0.6776	0.6796	6.5
7.0	0.6615	0.6635	0.6656	0.6676	0.6696	0.6717	0.6737	0.6758	0.6778	0.6799	7.0
7.5	0.6617	0.6638	0.6658	0.6679	0.6699	0.6720	0.6740	0.6760	0.6781	0.6801	7.5
8.0	0.6620	0.6640	0.6661	0.6681	0.6702	0.6722	0.6743	0.6763	0.6783	0.6804	8.0
8.5	0.6623	0.6643	0.6663	0.6684	0.6704	0.6725	0.6745	0.6766	0.6786	0.6806	8.5
9.0	0.6625	0.6646	0.6666	0.6686	0.6707	0.6727	0.6748	0.6768	0.6789	0.6809	9.0
9.5	0.6628	0.6648	0.6669	0.6689	0.6709	0.6730	0.6750	0.6771	0.6791	0.6812	9.5
10.0	0.6630	0.6651	0.6671	0.6692	0.6712	0.6733	0.6753	0.6773	0.6794	0.6814	10.0
10.5	0.6633	0.6653	0.6674	0.6694	0.6715	0.6735	0.6756	0.6776	0.6796	0.6817	10.5
11.0	0.6636	0.6656	0.6676	0.6697	0.6717	0.6738	0.6758	0.6779	0.6799	0.6819	11.0
11.5	0.6638	0.6659	0.6679	0.6699	0.6720	0.6740	0.6761	0.6781	0.6801	0.6822	11.5
12.0	0.6641	0.6661	0.6682	0.6702	0.6722	0.6743	0.6763	0.6784	0.6804	0.6824	12.0
12.5	0.6643	0.6664	0.6684	0.6705	0.6725	0.6745	0.6766	0.6786	0.6807	0.6827	12.5
13.0	0.6646	0.6667	0.6687	0.6707	0.6728	0.6748	0.6768	0.6789	0.6809	0.6830	13.0
13.5	0.6649	0.6669	0.6689	0.6710	0.6730	0.6751	0.6771	0.6792	0.6812	0.6832	13.5
14.0	0.6651	0.6672	0.6692	0.6712	0.6733	0.6753	0.6774	0.6794	0.6814	0.6835	14.0
14.5	0.6654	0.6674	0.6695	0.6715	0.6735	0.6756	0.6776	0.6797	0.6817	0.6837	14.5
15.0	0.6657	0.6677	0.6697	0.6718	0.6738	0.6758	0.6779	0.6799	0.6820	0.6840	15.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	
15.0	0.6657	0.6677	0.6697	0.6718	0.6738	0.6758	0.6779	0.6799	0.6820	0.6840	15.0
15.5	0.6659	0.6679	0.6700	0.6720	0.6741	0.6761	0.6781	0.6802	0.6822	0.6842	15.5
16.0	0.6662	0.6682	0.6702	0.6723	0.6743	0.6764	0.6784	0.6804	0.6825	0.6845	16.0
16.5	0.6664	0.6685	0.6705	0.6725	0.6746	0.6766	0.6787	0.6807	0.6827	0.6848	16.5
17.0	0.6667	0.6687	0.6708	0.6728	0.6748	0.6769	0.6789	0.6810	0.6830	0.6850	17.0
17.5	0.6670	0.6690	0.6710	0.6731	0.6751	0.6771	0.6792	0.6812	0.6832	0.6853	17.5
18.0	0.6672	0.6693	0.6713	0.6733	0.6754	0.6774	0.6794	0.6815	0.6835	0.6855	18.0
18.5	0.6675	0.6695	0.6716	0.6736	0.6756	0.6777	0.6797	0.6817	0.6838	0.6858	18.5
19.0	0.6677	0.6698	0.6718	0.6738	0.6759	0.6779	0.6800	0.6820	0.6840	0.6860	19.0
19.5	0.6680	0.6700	0.6721	0.6741	0.6761	0.6782	0.6802	0.6822	0.6843	0.6863	19.5
20.0	0.6683	0.6703	0.6723	0.6744	0.6764	0.6784	0.6805	0.6825	0.6845	0.6866	20.0
20.5	0.6685	0.6706	0.6726	0.6746	0.6766	0.6787	0.6807	0.6828	0.6848	0.6868	20.5
21.0	0.6688	0.6708	0.6729	0.6749	0.6769	0.6789	0.6810	0.6830	0.6850	0.6871	21.0
21.5	0.6690	0.6711	0.6731	0.6751	0.6772	0.6792	0.6812	0.6833	0.6853	0.6873	21.5
22.0	0.6693	0.6713	0.6734	0.6754	0.6774	0.6795	0.6815	0.6835	0.6856	0.6876	22.0
22.5	0.6696	0.6716	0.6736	0.6757	0.6777	0.6797	0.6818	0.6838	0.6858	0.6878	22.5
23.0	0.6698	0.6719	0.6739	0.6759	0.6779	0.6800	0.6820	0.6841	0.6861	0.6881	23.0
23.5	0.6701	0.6721	0.6742	0.6762	0.6782	0.6802	0.6823	0.6843	0.6863	0.6884	23.5
24.0	0.6703	0.6724	0.6744	0.6764	0.6785	0.6805	0.6825	0.6846	0.6866	0.6886	24.0
24.5	0.6706	0.6726	0.6747	0.6767	0.6787	0.6808	0.6828	0.6848	0.6868	0.6889	24.5
25.0	0.6709	0.6729	0.6749	0.6770	0.6790	0.6810	0.6830	0.6851	0.6871	0.6891	25.0
25.5	0.6711	0.6732	0.6752	0.6772	0.6792	0.6813	0.6833	0.6853	0.6874	0.6894	25.5
26.0	0.6714	0.6734	0.6755	0.6775	0.6795	0.6815	0.6836	0.6856	0.6876	0.6896	26.0
26.5	0.6716	0.6737	0.6757	0.6777	0.6798	0.6818	0.6838	0.6859	0.6879	0.6899	26.5
27.0	0.6719	0.6739	0.6760	0.6780	0.6800	0.6820	0.6841	0.6861	0.6881	0.6902	27.0
27.5	0.6722	0.6742	0.6762	0.6782	0.6803	0.6823	0.6843	0.6864	0.6884	0.6904	27.5
28.0	0.6724	0.6745	0.6765	0.6785	0.6805	0.6826	0.6846	0.6866	0.6886	0.6907	28.0
28.5	0.6727	0.6747	0.6767	0.6788	0.6808	0.6828	0.6849	0.6869	0.6889	0.6909	28.5
29.0	0.6729	0.6750	0.6770	0.6790	0.6811	0.6831	0.6851	0.6871	0.6891	0.6912	29.0
29.5	0.6732	0.6752	0.6773	0.6793	0.6813	0.6833	0.6854	0.6874	0.6894	0.6914	29.5
30.0	0.6735	0.6755	0.6775	0.6795	0.6816	0.6836	0.6856	0.6877	0.6897	0.6917	30.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

*# DENOTES EXTRAPOLATED VALUE

TABLE 23B. GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 °F

TEMP. °F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 °F										TEMP. °F
	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	
45.0	0.6813	0.6833	0.6853	0.6873	0.6893	0.6913	0.6933	0.6953	0.6973	0.6994	45.0
45.5	0.6815	0.6835	0.6855	0.6875	0.6896	0.6916	0.6936	0.6956	0.6976	0.6996	45.5
46.0	0.6818	0.6838	0.6858	0.6878	0.6898	0.6918	0.6938	0.6959	0.6979	0.6999	46.0
46.5	0.6820	0.6840	0.6861	0.6881	0.6901	0.6921	0.6941	0.6961	0.6981	0.7001	46.5
47.0	0.6823	0.6843	0.6863	0.6883	0.6903	0.6923	0.6944	0.6964	0.6984	0.7004	47.0
47.5	0.6825	0.6846	0.6866	0.6886	0.6906	0.6926	0.6946	0.6966	0.6986	0.7006	47.5
48.0	0.6828	0.6848	0.6868	0.6888	0.6908	0.6929	0.6949	0.6969	0.6989	0.7009	48.0
48.5	0.6831	0.6851	0.6871	0.6891	0.6911	0.6931	0.6951	0.6971	0.6991	0.7011	48.5
49.0	0.6833	0.6853	0.6873	0.6894	0.6914	0.6934	0.6954	0.6974	0.6994	0.7014	49.0
49.5	0.6836	0.6856	0.6876	0.6896	0.6916	0.6936	0.6956	0.6976	0.6996	0.7017	49.5
50.0	0.6838	0.6859	0.6879	0.6899	0.6919	0.6939	0.6959	0.6979	0.6999	0.7019	50.0
50.5	0.6841	0.6861	0.6881	0.6901	0.6921	0.6941	0.6961	0.6982	0.7002	0.7022	50.5
51.0	0.6844	0.6864	0.6884	0.6904	0.6924	0.6944	0.6964	0.6984	0.7004	0.7024	51.0
51.5	0.6846	0.6866	0.6886	0.6906	0.6926	0.6947	0.6967	0.6987	0.7007	0.7027	51.5
52.0	0.6849	0.6869	0.6889	0.6909	0.6929	0.6949	0.6969	0.6989	0.7009	0.7029	52.0
52.5	0.6851	0.6871	0.6892	0.6912	0.6932	0.6952	0.6972	0.6992	0.7012	0.7032	52.5
53.0	0.6854	0.6874	0.6894	0.6914	0.6934	0.6954	0.6974	0.6994	0.7014	0.7034	53.0
53.5	0.6857	0.6877	0.6897	0.6917	0.6937	0.6957	0.6977	0.6997	0.7017	0.7037	53.5
54.0	0.6859	0.6879	0.6899	0.6919	0.6939	0.6959	0.6979	0.6999	0.7019	0.7039	54.0
54.5	0.6862	0.6882	0.6902	0.6922	0.6942	0.6962	0.6982	0.7002	0.7022	0.7042	54.5
55.0	0.6864	0.6884	0.6904	0.6924	0.6944	0.6964	0.6984	0.7005	0.7024	0.7045	55.0
55.5	0.6867	0.6887	0.6907	0.6927	0.6947	0.6967	0.6987	0.7007	0.7027	0.7047	55.5
56.0	0.6869	0.6889	0.6910	0.6929	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	56.0
56.5	0.6872	0.6892	0.6912	0.6932	0.6952	0.6972	0.6992	0.7012	0.7032	0.7052	56.5
57.0	0.6875	0.6895	0.6915	0.6935	0.6955	0.6975	0.6995	0.7015	0.7035	0.7055	57.0
57.5	0.6877	0.6897	0.6917	0.6937	0.6957	0.6977	0.6997	0.7017	0.7037	0.7057	57.5
58.0	0.6880	0.6900	0.6920	0.6940	0.6960	0.6980	0.7000	0.7020	0.7040	0.7060	58.0
58.5	0.6882	0.6902	0.6922	0.6942	0.6962	0.6982	0.7002	0.7022	0.7042	0.7062	58.5
59.0	0.6885	0.6905	0.6925	0.6945	0.6965	0.6985	0.7005	0.7025	0.7045	0.7065	59.0
59.5	0.6887	0.6907	0.6927	0.6947	0.6967	0.6987	0.7007	0.7027	0.7047	0.7067	59.5
60.0	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	60.0

* DENOTES EXTRAPOLATED VALUE

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OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

RELATIVE DENSITY AT OBSERVED TEMPERATURE
CORRESPONDING RELATIVE DENSITY 60/60 F

TEMP. F	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	TEMP. F
60.0	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	60.0
60.5	0.6893	0.6913	0.6933	0.6953	0.6973	0.6993	0.7013	0.7033	0.7053	0.7073	60.5
61.0	0.6895	0.6915	0.6935	0.6955	0.6975	0.6995	0.7015	0.7035	0.7055	0.7075	61.0
61.5	0.6898	0.6918	0.6938	0.6958	0.6978	0.6998	0.7018	0.7038	0.7058	0.7078	61.5
62.0	0.6900	0.6920	0.6940	0.6960	0.6980	0.7000	0.7020	0.7040	0.7060	0.7080	62.0
62.5	0.6903	0.6923	0.6943	0.6963	0.6983	0.7003	0.7023	0.7043	0.7063	0.7083	62.5
63.0	0.6905	0.6925	0.6945	0.6965	0.6985	0.7005	0.7025	0.7045	0.7065	0.7085	63.0
63.5	0.6908	0.6928	0.6948	0.6968	0.6988	0.7008	0.7028	0.7048	0.7068	0.7088	63.5
64.0	0.6911	0.6931	0.6951	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	0.7090	64.0
64.5	0.6913	0.6933	0.6953	0.6973	0.6993	0.7013	0.7033	0.7053	0.7073	0.7093	64.5
65.0	0.6916	0.6936	0.6956	0.6976	0.6996	0.7016	0.7036	0.7056	0.7075	0.7095	65.0
65.5	0.6918	0.6938	0.6958	0.6978	0.6998	0.7018	0.7038	0.7058	0.7078	0.7098	65.5
66.0	0.6921	0.6941	0.6961	0.6981	0.7001	0.7021	0.7041	0.7061	0.7080	0.7100	66.0
66.5	0.6923	0.6943	0.6963	0.6983	0.7003	0.7023	0.7043	0.7063	0.7083	0.7103	66.5
67.0	0.6926	0.6946	0.6966	0.6986	0.7006	0.7026	0.7046	0.7066	0.7086	0.7106	67.0
67.5	0.6929	0.6949	0.6968	0.6988	0.7008	0.7028	0.7048	0.7068	0.7088	0.7108	67.5
68.0	0.6931	0.6951	0.6971	0.6991	0.7011	0.7031	0.7051	0.7071	0.7091	0.7111	68.0
68.5	0.6934	0.6954	0.6974	0.6993	0.7013	0.7033	0.7053	0.7073	0.7093	0.7113	68.5
69.0	0.6936	0.6956	0.6976	0.6996	0.7016	0.7036	0.7056	0.7076	0.7096	0.7116	69.0
69.5	0.6939	0.6959	0.6979	0.6999	0.7019	0.7038	0.7058	0.7078	0.7098	0.7118	69.5
70.0	0.6941	0.6961	0.6981	0.7001	0.7021	0.7041	0.7061	0.7081	0.7101	0.7121	70.0
70.5	0.6944	0.6964	0.6984	0.7004	0.7024	0.7044	0.7064	0.7083	0.7103	0.7123	70.5
71.0	0.6947	0.6966	0.6986	0.7006	0.7026	0.7046	0.7066	0.7086	0.7106	0.7126	71.0
71.5	0.6949	0.6969	0.6989	0.7009	0.7029	0.7049	0.7069	0.7089	0.7108	0.7128	71.5
72.0	0.6952	0.6972	0.6991	0.7011	0.7031	0.7051	0.7071	0.7091	0.7111	0.7131	72.0
72.5	0.6954	0.6974	0.6994	0.7014	0.7034	0.7054	0.7074	0.7094	0.7113	0.7133	72.5
73.0	0.6957	0.6977	0.6997	0.7016	0.7036	0.7056	0.7076	0.7096	0.7116	0.7136	73.0
73.5	0.6959	0.6979	0.6999	0.7019	0.7039	0.7059	0.7079	0.7099	0.7118	0.7138	73.5
74.0	0.6962	0.6982	0.7002	0.7021	0.7041	0.7061	0.7081	0.7101	0.7121	0.7141	74.0
74.5	0.6964	0.6984	0.7004	0.7024	0.7044	0.7064	0.7084	0.7104	0.7124	0.7143	74.5
75.0	0.6967	0.6987	0.7007	0.7027	0.7047	0.7066	0.7086	0.7106	0.7126	0.7146	75.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	
75.0	0.6967	0.6987	0.7007	0.7027	0.7047	0.7066	0.7086	0.7106	0.7126	0.7146	75.0
75.5	0.6970	0.6989	0.7009	0.7029	0.7049	0.7069	0.7089	0.7109	0.7129	0.7148	75.5
76.0	0.6972	0.6992	0.7012	0.7032	0.7052	0.7072	0.7091	0.7111	0.7131	0.7151	76.0
76.5	0.6975	0.6995	0.7014	0.7034	0.7054	0.7074	0.7094	0.7114	0.7134	0.7154	76.5
77.0	0.6977	0.6997	0.7017	0.7037	0.7057	0.7077	0.7097	0.7116	0.7136	0.7156	77.0
77.5	0.6980	0.7000	0.7020	0.7039	0.7059	0.7079	0.7099	0.7119	0.7139	0.7159	77.5
78.0	0.6982	0.7002	0.7022	0.7042	0.7062	0.7082	0.7102	0.7121	0.7141	0.7161	78.0
78.5	0.6985	0.7005	0.7025	0.7044	0.7064	0.7084	0.7104	0.7124	0.7144	0.7164	78.5
79.0	0.6988	0.7007	0.7027	0.7047	0.7067	0.7087	0.7107	0.7127	0.7146	0.7166	79.0
79.5	0.6990	0.7010	0.7030	0.7050	0.7069	0.7089	0.7109	0.7129	0.7149	0.7169	79.5
80.0	0.6993	0.7012	0.7032	0.7052	0.7072	0.7092	0.7112	0.7132	0.7151	0.7171	80.0
80.5	0.6995	0.7015	0.7035	0.7055	0.7075	0.7094	0.7114	0.7134	0.7154	0.7174	80.5
81.0	0.6998	0.7018	0.7037	0.7057	0.7077	0.7097	0.7117	0.7137	0.7156	0.7176	81.0
81.5	0.7000	0.7020	0.7040	0.7060	0.7080	0.7099	0.7119	0.7139	0.7159	0.7179	81.5
82.0	0.7003	0.7023	0.7042	0.7062	0.7082	0.7102	0.7122	0.7142	0.7161	0.7181	82.0
82.5	0.7005	0.7025	0.7045	0.7065	0.7085	0.7105	0.7124	0.7144	0.7164	0.7184	82.5
83.0	0.7008	0.7028	0.7048	0.7067	0.7087	0.7107	0.7127	0.7147	0.7166	0.7186	83.0
83.5	0.7011	0.7030	0.7050	0.7070	0.7090	0.7110	0.7129	0.7149	0.7169	0.7189	83.5
84.0	0.7013	0.7033	0.7053	0.7072	0.7092	0.7112	0.7132	0.7152	0.7171	0.7191	84.0
84.5	0.7016	0.7035	0.7055	0.7075	0.7095	0.7115	0.7134	0.7154	0.7174	0.7194	84.5
85.0	0.7018	0.7038	0.7058	0.7078	0.7097	0.7117	0.7137	0.7157	0.7177	0.7196	85.0
85.5	0.7021	0.7041	0.7060	0.7080	0.7100	0.7120	0.7140	0.7159	0.7179	0.7199	85.5
86.0	0.7023	0.7043	0.7063	0.7083	0.7102	0.7122	0.7142	0.7162	0.7182	0.7201	86.0
86.5	0.7026	0.7046	0.7065	0.7085	0.7105	0.7125	0.7145	0.7164	0.7184	0.7204	86.5
87.0	0.7028	0.7048	0.7068	0.7088	0.7108	0.7127	0.7147	0.7167	0.7187	0.7206	87.0
87.5	0.7031	0.7051	0.7070	0.7090	0.7110	0.7130	0.7150	0.7169	0.7189	0.7209	87.5
88.0	0.7033	0.7053	0.7073	0.7093	0.7113	0.7132	0.7152	0.7172	0.7192	0.7211	88.0
88.5	0.7036	0.7056	0.7076	0.7095	0.7115	0.7135	0.7155	0.7174	0.7194	0.7214	88.5
89.0	0.7039	0.7058	0.7078	0.7098	0.7118	0.7137	0.7157	0.7177	0.7197	0.7216	89.0
89.5	0.7041	0.7061	0.7081	0.7100	0.7120	0.7140	0.7160	0.7179	0.7199	0.7219	89.5
90.0	0.7044	0.7063	0.7083	0.7103	0.7123	0.7142	0.7162	0.7182	0.7202	0.7222	90.0

* DENOTES EXTRAPOLATED VALUE

OBSERVED RELATIVE DENSITY = 0.6890 TO 0.7070

TABLE 23B, GENERALIZED PRODUCTS
RELATIVE DENSITY CORRECTION TO 60 F

TEMP. F	RELATIVE DENSITY AT OBSERVED TEMPERATURE CORRESPONDING RELATIVE DENSITY 60/60 F										TEMP. F
	0.6890	0.6910	0.6930	0.6950	0.6970	0.6990	0.7010	0.7030	0.7050	0.7070	
90.0	0.7044	0.7063	0.7083	0.7103	0.7123	0.7142	0.7162	0.7182	0.7202	0.7222	90.0
90.5	0.7046	0.7066	0.7086	0.7105	0.7125	0.7145	0.7165	0.7185	0.7204	0.7224	90.5
91.0	0.7049	0.7068	0.7088	0.7108	0.7128	0.7148	0.7167	0.7187	0.7207	0.7227	91.0
91.5	0.7051	0.7071	0.7091	0.7111	0.7130	0.7150	0.7170	0.7190	0.7209	0.7229	91.5
92.0	0.7054	0.7074	0.7093	0.7113	0.7133	0.7153	0.7172	0.7192	0.7212	0.7232	92.0
92.5	0.7056	0.7076	0.7096	0.7116	0.7135	0.7155	0.7175	0.7195	0.7214	0.7234	92.5
93.0	0.7059	0.7079	0.7098	0.7118	0.7138	0.7158	0.7177	0.7197	0.7217	0.7237	93.0
93.5	0.7061	0.7081	0.7101	0.7121	0.7140	0.7160	0.7180	0.7200	0.7219	0.7239	93.5
94.0	0.7064	0.7084	0.7103	0.7123	0.7143	0.7163	0.7182	0.7202	0.7222	0.7242	94.0
94.5	0.7067	0.7086	0.7106	0.7126	0.7145	0.7165	0.7185	0.7205	0.7224	0.7244	94.5
95.0	0.7069	0.7089	0.7109	0.7128	0.7148	0.7168	0.7187	0.7207	0.7227	0.7247	95.0
95.5	0.7072	0.7091	0.7111	0.7131	0.7150	0.7170	0.7190	0.7210	0.7229	0.7249	95.5
96.0	0.7074	0.7094	0.7114	0.7133	0.7153	0.7173	0.7192	0.7212	0.7232	0.7252	96.0
96.5	0.7077	0.7096	0.7116	0.7136	0.7156	0.7175	0.7195	0.7215	0.7234	0.7254	96.5
97.0	0.7079	0.7099	0.7119	0.7138	0.7158	0.7178	0.7197	0.7217	0.7237	0.7257	97.0
97.5	0.7082	0.7101	0.7121	0.7141	0.7161	0.7180	0.7200	0.7220	0.7239	0.7259	97.5
98.0	0.7084	0.7104	0.7124	0.7143	0.7163	0.7183	0.7202	0.7222	0.7242	0.7262	98.0
98.5	0.7087	0.7107	0.7126	0.7146	0.7166	0.7185	0.7205	0.7225	0.7244	0.7264	98.5
99.0	0.7089	0.7109	0.7129	0.7148	0.7168	0.7188	0.7208	0.7227	0.7247	0.7267	99.0
99.5	0.7092	0.7112	0.7131	0.7151	0.7171	0.7190	0.7210	0.7230	0.7249	0.7269	99.5
100.0	0.7094	0.7114	0.7134	0.7153	0.7173	0.7193	0.7213	0.7232	0.7252	0.7272	100.0
100.5	0.7097	0.7117	0.7136	0.7156	0.7176	0.7195	0.7215	0.7235	0.7254	0.7274	100.5
101.0	0.7099	0.7119	0.7139	0.7159	0.7178	0.7198	0.7218	0.7237	0.7257	0.7277	101.0
101.5	0.7102	0.7122	0.7141	0.7161	0.7181	0.7200	0.7220	0.7240	0.7259	0.7279	101.5
102.0	0.7105	0.7124	0.7144	0.7164	0.7183	0.7203	0.7223	0.7242	0.7262	0.7282	102.0
102.5	0.7107	0.7127	0.7147	0.7166	0.7186	0.7205	0.7225	0.7245	0.7264	0.7284	102.5
103.0	0.7110	0.7129	0.7149	0.7169	0.7188	0.7208	0.7228	0.7247	0.7267	0.7287	103.0
103.5	0.7112	0.7132	0.7152	0.7171	0.7191	0.7210	0.7230	0.7250	0.7269	0.7289	103.5
104.0	0.7115	0.7134	0.7154	0.7174	0.7193	0.7213	0.7233	0.7252	0.7272	0.7292	104.0
104.5	0.7117	0.7137	0.7157	0.7176	0.7196	0.7215	0.7235	0.7255	0.7274	0.7294	104.5
105.0	0.7120	0.7139	0.7159	0.7179	0.7198	0.7218	0.7238	0.7257	0.7277	0.7297	105.0

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