

# Test Report

Sample Name : PL BP H

Model Name : PLC-9-H-830-BYP

Applicant : R & D Department

Test Category: Commission Test

RAB Lighting INC

# Statement

- i. Report without "special seal for testing report" or "official seal of testing lab" is invalid.
- ii. Report modified without signature is invalid.
- iii. Report without signature of inspector, reviewer, approver is invalid.
- iv. Once objection to testing report, it should be within 15 days from the date of receipt of the report. Once beyond the time limit, there will be not accepted.
- v. Laboratory only responsible for test items of of the delivered samples
- vi. Without permission of the lab, this report shall not be arbitrarily change or part of the reference. In any form copy, copy of duplicate agreed, it should be recognized by my lab with special seal for testing. It is invalid without the seal of lab.

## Test Report

Sample Name	PL BP H	Model Name	PLC-9-H-830-BYP
		Logo	—
Client	R & D Department	Testing category	Commission Test
Manufacturer	RAB LIGHTING INC	Testing site	Laboratory
Deliverer	Wang Yang	Sample quantity	1pc
Application date	Oct.15,2018	Finished date	Oct.15,2018
Testing Standard	<input checked="" type="checkbox"/> IES-LM-79-08 Electrical and Photometric Measurements of Solid-State Lighting Products <input type="checkbox"/> ANSI C78.377-2011 specifications for the chromaticity of solid state lighting products <input type="checkbox"/> ANSI C78.377-2015 specifications for the chromaticity of solid state lighting products <input type="checkbox"/> IEC 62612:2013+A1 :2015 Self-ballasted LED-lamps for general lighting services –Performance requirements <input type="checkbox"/> CIE 127 : 2007 Measurement of LEDs <input type="checkbox"/> Others_____		
Testing Items	<input type="checkbox"/> Photoelectric color performance parameters ( <input type="checkbox"/> Luminous flux ; <input type="checkbox"/> Efficiency ; <input type="checkbox"/> Voltage ; <input type="checkbox"/> Current ; <input type="checkbox"/> Power ; <input type="checkbox"/> Power factor ; <input type="checkbox"/> Color renderings ; <input type="checkbox"/> Ra ; <input type="checkbox"/> Others_____ ) <input checked="" type="checkbox"/> Lighting distribution ( <input type="checkbox"/> Center lighting intensity ; <input checked="" type="checkbox"/> light intensity distribution ; <input checked="" type="checkbox"/> IES file (attachment) ; <input type="checkbox"/> Others_____ ) <input type="checkbox"/> Mantianance ( <input type="checkbox"/> Color Mantianance ; <input type="checkbox"/> Lumen Mantianance ) <input type="checkbox"/> On/off test ; <input type="checkbox"/> Others_____		
Conclusion	Please refer to test result.		
Note	-		
Tested by :	Reviewed by:	Approved by:	
Date :	Date:	Date:	

Sample description

Products general description

- (1) Rated Voltage (V) : 120
- (2) Rated Current (A) : —
- (3) Rated Power (W) :—
- (4) Rated Frequency (Hz) : 60
- (5) Lamp Cap: G13; G5; 2G11; Fa8; R17d;  
Others: G24d
- (6) Bulb Type: Straight type; T8U type (Big U; Small U) ;  
Single ended (PL; PLL) Others:
- (7) Lamp Length: 2ft; 3ft; 4ft; 5 ft; 6 ft; 8 ft;  
Other : PL
- (8) Lighting Source: LED; Others:
- (9) Supply Type: BP; DR; DC power supply; External power supply; Others:

### Testing Equipment

No.	Equipment	Type/model	Serial	Due to
1	☐Spectroradiometer	HAAS-2000	LB1O-004	-
2	☐DC Power Supply	WY12010	LB1E-005	-
3	☐Source Meter	2400	LB1E-055	-
4	☐Integrating Sphere	0.5m	LB10-007	-
5	☐Standard Lamp	D062	LB1O-030	-
6	☐Spectroradiometer	HAAS-2000	LB1O-005	-
7	☐DC Current Source	WY305	LB1E-017	-
8	☐Power Meter	PF2010A	LB1E-018	-
9	☐AC Source	CF-500T	LB1E-016	-
10	☐Integrating Sphere	1.5m	LB1O-009	-
11	☐Spectroradiometer	HAAS-2000	LB1O-003	-
12	☐DC Current Source	WY605	LB1E-003	-
13	☐Power Meter	PF2010A	LB1E-007	-
14	☐AC Source	CF-500T	LB1E-010	-
15	☐Integrating Sphere	2.0m-1	LB1O-006	-
16	☐Spectroradiometer	PMS-80	LB1O-031	-
17	☐DC Current Source	WY305	LB1E-043	-
18	☐Power Meter	WT210	LB1E-042	-
19	☐AC Source	TPS-500B	LB1E-044	-
20	☐Integrating Sphere	2.0m-2	LB1O-033	-
21	☐ Spectroradiometer	HAAS-1200	LB1O-032	-
22	☐ DC Power Supply	WY605-V110	LB1E-056	-
23	☐Digital Power Meter	WT210	LB1E-047	-
24	☐AC Power supply	CF-500T	LB1E-048	-
25	☐Integrating Sphere	2.0m-3	LB1O-034	-
26	☐Spectroradiometer	HAAS-2000	LB1O-021	-
27	☐ DC Power Supply	WY12010	LB1E-022	-
28	☐Digital Power Meter	PF2010	LB1E-023	-
29	☐AC Power supply	DPS1005	LB1E-021	-
30	☐Standard Lamp	D204	LB1O-012	-
31	☐Integrating Sphere	3.0m	LB1O-029	-

# RAB Lighting Lab Report No. : 181015008SX

32	<input checked="" type="checkbox"/> Goniophotometer	GO-R5000	LB1O-001	Jul.2,2020
33	<input checked="" type="checkbox"/> DC Power Supply	WY12010	LB1E-004	Nov.7,2018
34	<input checked="" type="checkbox"/> Digital Power Meter	PF2010	LB1E-009	Nov.7,2018
35	<input checked="" type="checkbox"/> AC Power supply	DPS1060	LB1E-014	May.5,2019
36	<input checked="" type="checkbox"/> Standard Lamp	D908S	LB1O-011	Mar.15,2019
37	<input type="checkbox"/> High frequency reference source	YF2402	LB1E-024	-
38	<input type="checkbox"/> Digital Power Meter	WT3000	LB1E-008	-
39	<input type="checkbox"/> Dial caliper	0-150mm	LB3L-020	-
40	<input type="checkbox"/> Balance	ACS-D11	LB3F-003	-
41	<input checked="" type="checkbox"/> Humidity temperature meter	TP401	LB1T-003	Jul.5,2019
42	<input type="checkbox"/> Humidity temperature meter	TP401	LB1T-004	-
43	<input type="checkbox"/> Humidity temperature meter	LS-202	LB1T-010	-
44	<input checked="" type="checkbox"/> Humidity temperature meter	LS202	LB1T-011	Jul.5,2019

### Test Result

No.	Testing items	Testing standard	Testing results	Verdict
1	Photoelectric color performance parameters	—	—	—
2	Lighting distribution	IES LM-79-08	See following pages	—
3	Maintanance	—	—	—
4	On/off test	—	—	—

Note : “N” —Not applicable; “P” —Pass; “F” —Fail; “—” —No need to verdict.

## 1. Lighting distribution

### 1.1 Testing conditions

#### Distributed photometric system

Test standard	Incorporated ballast	Environment condition	Integrated correction factor	Test input
IES LM-79-08	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: _____	Ambient Temp.: <u>24.4°C</u> Ambient Humidity: <u>50.4%RH</u>	1	Voltage: <u>120V</u> Frequency: <u>60Hz</u>
Orientation in measurement for SSL Product	Burning time before test(min)	Luminaire dimension	Lamp quantity (*1)	Photometric distance (*2)
Downward	30	-	1	<input checked="" type="checkbox"/> Near field; <input type="checkbox"/> Far field

“\*1” —The amount of lighting source mounted in luminaire for measurement, such as measuring an individual light source, the quantity is 1pcs

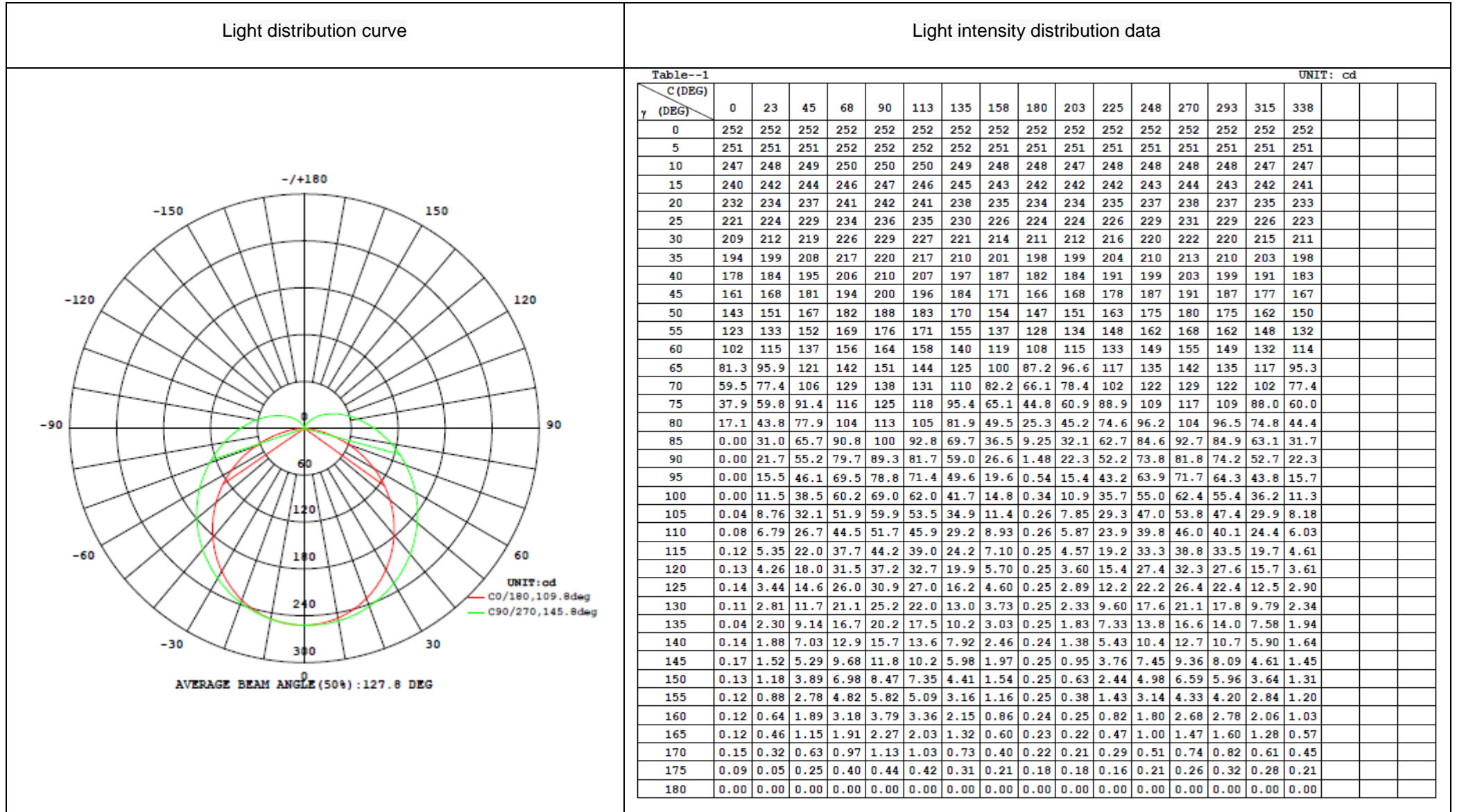
“\*2” — Near field: 2.5m; Far field: 30m;

### 1.2 Photometric data

Input voltage	Input current	Power	Power factor
120.0V	0.0760A	9.012W	0.9889
Luminous flux	Luminous efficiency	Average beam angle	
-	-	127.8DEG	



## 2.3 Lighting distribution data

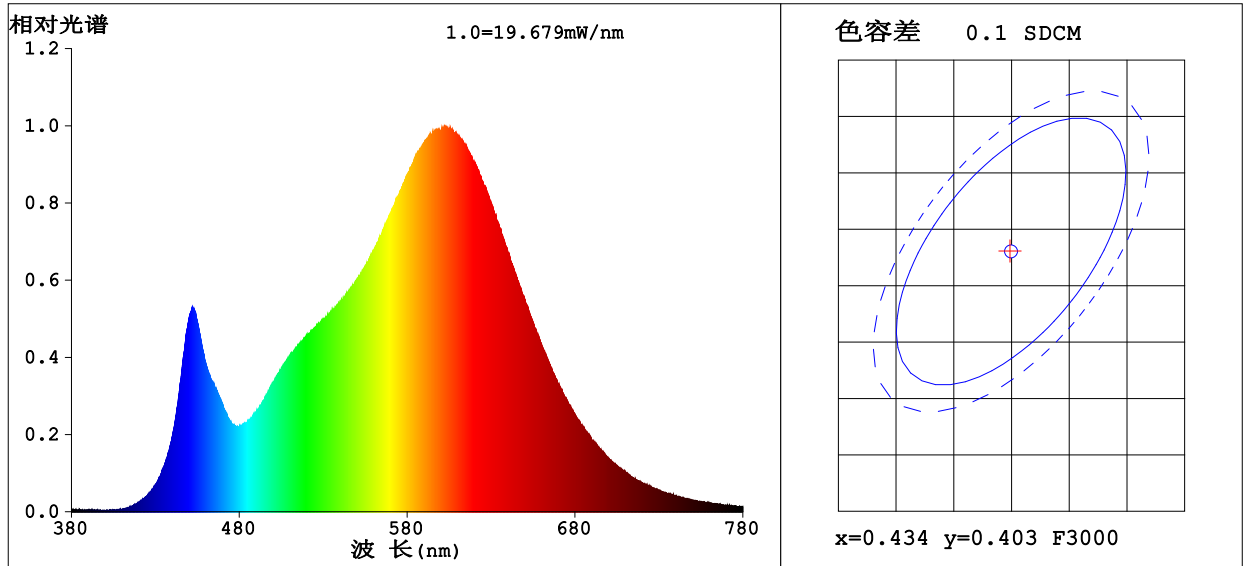


Photos



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## 光源光谱测试报告



### 颜色参数:

色品坐标:  $x=0.4338$   $y=0.4033$  /  $u'=0.2489$   $v'=0.5206$   
 相关色温:  $CCT=3048K$  (色差  $Duv=0.0001$ ) 主波长:  $\lambda_d=582.6nm$  色纯度:  $Purity=51.3\%$   
 色比:  $R=22.5\%$   $G=74.7\%$   $B=2.8\%$  峰值波长:  $\lambda_p=602.1nm$  半峰带宽:  $FWHM=123.1nm$   
 显色指数:  $Ra=82.0$   $CRI=76.6$   $AvgR=76.3$

R1 =80	R2 =92	R3 =95	R4 =79	R5 =81	R6 =90	R7 =82	
R8 =57	R9 =3	R10=81	R11=79	R12=72	R13=83	R14=98	R15=72

### 光度参数:

光通量  $\Phi = 956.0$  lm 光效 : 106.59 lm/W 辐射通量  $\Phi_e = 2.878$  W

### 电参数:

电压  $V = 120.06$  V 电流  $I = 0.07530$  A 功率  $P = 8.969$  W 功率因数  $PF = 0.9921$

分级: OUT 白光分类: ANSI\_3000K

仪器状态: 积分时间  $T = 2000$  ms  $I_p = 53465$  (82%)

产品型号: PLC-9-H-830-BYP  
 测试人员: zhenhai wu  
 环境温度: 24.7°C  
 制造厂商: RAB LIGHTING INC

产品编号: 1-1  
 测试日期: 2018-10-10 14:16:36  
 环境湿度: 60%  
 备注:

IESNA:LM-63-2002

[TEST] 181015008SX01

[TESTLAB] EVERFINE

[TESTDATE] 2018-10-15

[ISSUEDATE] 2018-10-15 11:25:48

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE G0-R5000\_V2 SYSTEM

[MANUFAC] JXSP

[LUMINAIRE] PLC-9-H-830-BYP

[LAMP] PL BP H/PLC-9-H-830-BYP

TILT=NONE

1 996.35 1 361 17 1 2 0.000 0.000 0.000

1.000 1 9.1

0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5
20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5
25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5
30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5
35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5
50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5
55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5
60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5
65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5
70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5
75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5
80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5
85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5
95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5
100.0	100.5	101.0	101.5	102.0	102.5	103.0	103.5	104.0	104.5
105.0	105.5	106.0	106.5	107.0	107.5	108.0	108.5	109.0	109.5
110.0	110.5	111.0	111.5	112.0	112.5	113.0	113.5	114.0	114.5
115.0	115.5	116.0	116.5	117.0	117.5	118.0	118.5	119.0	119.5
120.0	120.5	121.0	121.5	122.0	122.5	123.0	123.5	124.0	124.5
125.0	125.5	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5
130.0	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0	139.5
140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5	144.0	144.5
145.0	145.5	146.0	146.5	147.0	147.5	148.0	148.5	149.0	149.5

150.0	150.5	151.0	151.5	152.0	152.5	153.0	153.5	154.0	154.5
155.0	155.5	156.0	156.5	157.0	157.5	158.0	158.5	159.0	159.5
160.0	160.5	161.0	161.5	162.0	162.5	163.0	163.5	164.0	164.5
165.0	165.5	166.0	166.5	167.0	167.5	168.0	168.5	169.0	169.5
170.0	170.5	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5
175.0	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
180.0									
0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
225.0	247.5	270.0	292.5	315.0	337.5	360.0			
252.11	252.24	252.29	252.29	252.22	252.32	252.22	252.25	252.14	
252.08									
251.97	251.93	251.79	251.71	251.43	251.39	251.15	251.03	250.68	
250.63									
250.38	250.13	249.81	249.57	249.24	249.05	248.61	248.27	247.87	
247.59									
247.14	246.90	246.31	245.99	245.48	245.14	244.53	244.07	243.59	
243.08									
242.43	241.95	241.30	240.79	240.18	239.60	238.92	238.34	237.64	
237.05									
236.19	235.69	234.97	234.25	233.53	232.76	231.94	231.24	230.49	
229.67									
228.84	228.05	227.20	226.37	225.50	224.66	223.83	222.93	222.04	
221.07									
220.15	219.27	218.35	217.43	216.41	215.37	214.49	213.49	212.48	
211.48									
210.49	209.52	208.45	207.28	206.26	205.29	204.20	203.19	201.96	
200.99									
199.75	198.72	197.57	196.53	195.30	194.26	193.11	191.98	190.75	
189.66									
188.45	187.39	186.10	184.90	183.70	182.57	181.28	180.14	178.91	
177.68									
176.44	175.26	173.88	172.70	171.46	170.26	168.89	167.74	166.46	
165.28									
163.93	162.70	161.40	160.20	158.78	157.64	156.26	154.94	153.61	
152.53									
151.06	149.83	148.55	147.31	145.85	144.67	143.31	142.08	140.81	
139.48									
138.14	136.95	135.53	134.29	132.99	131.70	130.36	129.19	127.86	
126.56									
125.33	124.12	122.76	121.53	120.27	119.03	117.72	116.51	115.27	
114.07									
112.80	111.59	110.39	109.19	107.95	106.82	105.58	104.39	102.65	
101.55									
100.46	99.37	98.29	97.14	96.01	94.87	93.75	92.64	91.55	



246.38	245.94	245.47	245.11	244.58	244.03	243.49	243.01	242.42
241.83								
241.21	240.66	240.00	239.46	238.70	238.05	237.45	236.76	236.01
235.34								
234.57	233.84	233.06	232.34	231.54	230.73	229.92	229.20	228.28
227.46								
226.59	225.67	224.84	223.95	222.94	222.12	221.15	220.25	219.18
218.28								
217.23	216.30	215.24	214.27	213.21	212.22	211.14	210.10	208.89
207.97								
206.80	205.81	204.63	203.58	202.45	201.36	200.20	199.03	197.82
196.76								
195.50	194.44	193.11	192.06	190.77	189.62	188.35	187.15	185.89
184.81								
183.38	182.20	180.89	179.78	178.39	177.28	175.89	174.63	173.31
172.05								
170.71	169.50	168.13	166.94	165.58	164.30	162.91	161.72	160.28
159.02								
157.65	156.36	155.00	153.76	152.33	151.04	149.71	148.34	146.91
145.69								
144.27	142.95	141.57	140.26	138.81	137.61	136.20	134.93	133.52
132.21								
130.84	129.60	128.26	126.92	125.59	124.32	122.96	121.72	120.32
119.07								
117.75	116.49	115.14	113.94	112.61	111.36	110.07	108.83	107.52
106.31								
105.07	103.81	104.02	102.43	100.79	99.15	97.52	96.34	95.17
94.00								
92.84	91.70	90.54	89.39	88.28	87.17	86.05	84.94	83.87
82.76								
81.69	80.60	79.56	78.51	77.47	76.42	75.40	74.40	73.38
72.40								
71.38	70.39	69.46	68.50	67.54	66.59	65.64	64.73	63.82
62.91								
62.00	61.12	60.25	59.37	58.50	57.65	56.81	55.97	55.17
54.34								
53.54	52.74	51.95	51.19	50.39	49.62	48.87	48.11	47.38
46.62								
45.93	45.19	44.49	43.76	43.06	42.35	41.69	41.00	40.32
39.63								
38.96	38.32	37.66	37.01	36.38	35.74	35.12	34.50	33.89
33.27								
32.69	32.09	31.49	30.91	30.34	29.77	29.22	28.66	28.08
27.55								

27.03	26.50	25.96	25.45	24.93	24.42	23.92	23.41	22.93
22.44								
21.97	21.50	21.04	20.56	20.12	19.66	19.21	18.76	18.35
17.91								
17.49	17.06	16.66	16.25	15.85	15.45	15.06	14.67	14.29
13.92								
13.56	13.19	12.83	12.49	12.14	11.80	11.47	11.14	10.82
10.50								
10.18	9.86	9.57	9.26	8.98	8.69	8.41	8.14	7.87
7.60								
7.35	7.10	6.86	6.62	6.38	6.15	5.93	5.71	5.49
5.29								
5.09	4.89	4.70	4.52	4.34	4.16	4.00	3.83	3.67
3.52								
3.36	3.21	3.07	2.93	2.78	2.65	2.52	2.39	2.26
2.15								
2.03	1.91	1.80	1.69	1.58	1.48	1.38	1.28	1.19
1.11								
1.03	0.95	0.88	0.81	0.75	0.68	0.62	0.56	0.52
0.47								
0.42	0.37	0.30	0.21	0.10	0.02	0.00	0.00	0.00
0.00								
0.00								
252.11	252.11	252.07	252.14	252.07	252.00	252.00	251.93	251.82
251.72								
251.61	251.33	251.21	251.03	250.82	250.49	250.29	250.03	249.81
249.41								
249.07	248.74	248.39	247.92	247.55	247.08	246.71	246.23	245.75
245.13								
244.72	244.10	243.53	242.92	242.37	241.69	241.11	240.49	239.80
239.14								
238.44	237.68	236.97	236.17	235.31	234.55	233.73	232.94	232.06
231.20								
230.35	229.49	228.56	227.58	226.68	225.78	224.74	223.76	222.76
221.73								
220.78	219.72	218.57	217.49	216.43	215.33	214.18	213.04	211.89
210.74								
209.66	208.42	207.20	206.04	204.87	203.59	202.39	201.13	199.85
198.59								
197.35	196.03	194.75	193.41	192.13	190.86	189.47	188.08	186.72
185.34								
183.99	182.57	181.21	179.80	178.39	176.99	175.52	174.14	172.72
171.21								
169.83	168.35	166.89	165.39	163.95	162.45	161.01	159.53	158.12



156.56									
155.07	153.52	152.10	150.56	149.06	147.51	146.07	144.53	143.11	
141.53									
140.01	138.45	137.01	135.46	134.00	132.42	131.00	129.45	127.97	
126.43									
124.99	123.44	121.95	120.36	118.94	117.36	115.93	114.45	113.02	
111.42									
110.04	108.56	107.04	105.64	104.26	102.76	101.25	99.75	98.25	
96.74									
95.40	93.95	92.59	91.24	89.89	88.52	87.18	85.83	84.51	
83.21									
81.94	80.63	79.39	78.11	76.85	75.63	74.42	73.24	72.08	
70.89									
69.72	68.60	67.44	66.32	65.29	64.15	63.11	62.05	61.01	
59.98									
58.96	57.97	56.99	56.00	55.07	54.07	53.20	52.28	51.39	
50.48									
49.63	48.76	47.93	47.07	46.25	45.48	44.68	43.88	43.15	
42.40									
41.67	40.91	40.22	39.51	38.85	38.16	37.50	36.85	36.22	
35.56									
34.94	34.33	33.73	33.15	32.55	31.97	31.40	30.82	30.27	
29.72									
29.20	28.65	28.14	27.62	27.10	26.60	26.10	25.63	25.14	
24.66									
24.20	23.73	23.29	22.84	22.40	21.98	21.55	21.13	20.71	
20.30									
19.91	19.51	19.12	18.74	18.35	17.99	17.62	17.26	16.91	
16.55									
16.20	15.87	15.53	15.20	14.86	14.55	14.22	13.92	13.61	
13.31									
13.01	12.72	12.42	12.14	11.85	11.58	11.30	11.04	10.77	
10.50									
10.24	10.00	9.75	9.51	9.27	9.04	8.80	8.58	8.35	
8.14									
7.92	7.71	7.50	7.30	7.10	6.91	6.71	6.52	6.34	
6.16									
5.98	5.81	5.64	5.48	5.31	5.15	4.99	4.84	4.69	
4.55									
4.41	4.27	4.13	4.00	3.88	3.75	3.63	3.51	3.39	
3.28									
3.16	3.05	2.94	2.84	2.73	2.63	2.53	2.43	2.34	
2.24									
2.15	2.06	1.97	1.89	1.80	1.72	1.63	1.55	1.47	



26.60	25.80	25.01	24.22	23.48	22.75	22.07	21.41	20.78
20.18								
19.57	19.03	18.47	17.94	17.44	16.95	16.49	16.04	15.59
15.19								
14.77	14.37	14.00	13.63	13.28	12.92	12.60	12.28	11.96
11.67								
11.38	11.11	10.85	10.58	10.32	10.05	9.82	9.59	9.36
9.14								
8.93	8.72	8.52	8.33	8.14	7.95	7.77	7.60	7.43
7.27								
7.10	6.95	6.79	6.65	6.50	6.36	6.22	6.09	5.95
5.83								
5.70	5.58	5.46	5.35	5.23	5.12	5.01	4.91	4.80
4.70								
4.60	4.51	4.41	4.32	4.23	4.15	4.06	3.98	3.89
3.81								
3.73	3.65	3.58	3.50	3.43	3.37	3.29	3.23	3.16
3.09								
3.03	2.97	2.91	2.85	2.79	2.73	2.68	2.62	2.57
2.51								
2.46	2.41	2.36	2.31	2.26	2.21	2.16	2.11	2.06
2.02								
1.97	1.92	1.88	1.84	1.79	1.75	1.71	1.66	1.62
1.58								
1.54	1.50	1.46	1.42	1.38	1.34	1.31	1.27	1.23
1.20								
1.16	1.13	1.10	1.07	1.04	1.01	0.98	0.94	0.91
0.88								
0.86	0.83	0.80	0.77	0.74	0.72	0.69	0.67	0.65
0.62								
0.60	0.57	0.55	0.52	0.50	0.48	0.46	0.45	0.43
0.41								
0.40	0.38	0.37	0.35	0.34	0.33	0.31	0.29	0.26
0.23								
0.21	0.16	0.14	0.12	0.11	0.07	0.05	0.00	0.00
0.00								
0.00								
252.11	252.18	252.21	252.18	252.13	251.96	251.89	251.71	251.62
251.35								
251.13	250.94	250.70	250.45	250.12	249.78	249.37	249.08	248.68
248.24								
247.81	247.40	246.85	246.30	245.79	245.31	244.65	244.07	243.41
242.72								
242.03	241.41	240.64	239.84	239.05	238.35	237.58	236.79	235.86





133.50	131.65	129.71	127.91	126.14	124.34	122.53	120.68	118.75
116.88								
115.05	113.26	111.48	109.60	107.66	105.78	103.94	102.16	100.36
98.51								
96.58	94.66	92.85	91.12	89.31	87.49	85.55	83.68	81.90
80.20								
78.41	76.63	74.73	72.92	71.15	69.53	67.84	66.05	64.28
62.53								
60.89	59.30	57.69	56.03	54.30	52.73	51.21	49.70	48.22
46.68								
45.15	43.67	42.31	40.98	39.60	38.23	36.91	35.61	34.40
33.25								
32.13	30.96	29.83	28.74	27.74	26.78	25.87	24.88	23.94
23.13								
22.31	21.50	20.69	19.88	19.19	18.49	17.83	17.21	16.63
16.00								
15.44	14.90	14.41	13.90	13.42	12.95	12.52	12.08	11.68
11.28								
10.92	10.54	10.18	9.85	9.54	9.22	8.92	8.63	8.35
8.09								
7.85	7.62	7.38	7.16	6.95	6.75	6.55	6.37	6.19
6.03								
5.87	5.72	5.58	5.45	5.31	5.18	5.05	4.92	4.80
4.68								
4.57	4.45	4.34	4.24	4.14	4.04	3.95	3.85	3.77
3.69								
3.60	3.53	3.45	3.37	3.30	3.23	3.16	3.09	3.02
2.95								
2.89	2.82	2.76	2.70	2.65	2.59	2.53	2.48	2.42
2.38								
2.33	2.28	2.23	2.18	2.13	2.08	2.03	1.98	1.93
1.88								
1.83	1.78	1.73	1.69	1.64	1.60	1.55	1.51	1.47
1.42								
1.38	1.33	1.29	1.24	1.20	1.16	1.11	1.07	1.03
0.99								
0.95	0.92	0.88	0.85	0.82	0.78	0.75	0.72	0.69
0.66								
0.63	0.60	0.57	0.54	0.51	0.49	0.46	0.44	0.42
0.40								
0.38	0.36	0.34	0.32	0.31	0.30	0.29	0.28	0.27
0.26								
0.25	0.25	0.24	0.23	0.23	0.22	0.22	0.22	0.22
0.22								

0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21
0.21								
0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20
0.19								
0.18	0.17	0.14	0.11	0.09	0.08	0.05	0.03	0.00
0.00								
0.00								
252.11	252.07	251.96	251.92	251.82	251.75	251.64	251.45	251.20
251.06								
250.95	250.66	250.37	250.09	249.84	249.54	249.17	248.81	248.39
248.06								
247.66	247.18	246.81	246.33	245.82	245.30	244.82	244.28	243.69
243.11								
242.48	241.87	241.25	240.56	239.90	239.23	238.44	237.71	237.03
236.26								
235.46	234.69	233.87	233.11	232.33	231.29	230.25	229.21	228.17
227.13								
226.14	225.24	224.25	223.29	222.17	221.13	220.13	219.09	217.99
216.92								
215.80	214.70	213.67	212.49	211.25	210.06	208.96	207.73	206.58
205.31								
204.02	202.87	201.65	200.37	199.14	197.80	196.48	195.19	193.93
192.55								
191.30	189.97	188.59	187.25	185.90	184.52	183.17	181.76	180.22
178.89								
177.56	176.07	174.72	173.26	171.72	170.27	168.85	167.43	165.94
164.50								
163.02	161.48	160.01	158.54	157.11	155.52	154.02	152.44	150.99
149.52								
148.06	146.43	144.94	143.35	141.89	140.34	138.85	137.28	135.73
134.15								
132.68	131.14	129.63	128.10	126.55	124.95	123.46	121.99	120.45
118.86								
117.36	115.83	114.27	112.85	111.34	109.79	108.30	106.81	105.32
103.88								
102.43	100.95	99.54	97.96	96.51	95.11	93.78	92.29	90.95
89.92								
88.90	86.79	85.27	83.81	82.40	81.06	79.73	78.45	77.19
75.85								
74.55	73.29	72.04	70.86	69.61	68.39	67.24	66.03	64.89
63.74								
62.67	61.50	60.40	59.32	58.25	57.19	56.19	55.12	54.11
53.11								
52.16	51.21	50.26	49.31	48.37	47.49	46.59	45.74	44.90





237.00	236.40	235.62	234.96	234.17	233.57	232.68	232.05	231.06
230.07								
229.08	228.09	227.19	226.43	225.54	224.69	223.70	222.91	221.88
221.04								
220.13	219.09	218.13	217.22	216.18	215.21	214.25	213.21	212.15
211.19								
210.05	209.01	208.02	206.90	205.83	204.74	203.62	202.53	201.43
200.25								
199.16	198.02	196.77	195.63	194.57	193.28	192.13	191.03	189.74
188.49								
187.34	186.11	184.88	183.66	182.43	181.14	179.90	178.65	177.38
176.13								
174.87	173.52	172.29	170.99	169.68	168.39	167.15	165.78	164.49
163.24								
161.87	160.57	159.20	157.85	156.58	155.21	153.86	152.58	151.26
149.82								
148.50	147.23	145.79	144.50	143.18	141.79	140.41	139.13	137.70
136.39								
135.05	133.66	132.30	130.99	129.63	128.33	127.02	125.62	124.28
123.00								
121.61	120.28	118.96	117.62	116.35	115.11	113.74	112.45	111.18
109.90								
108.60	107.35	106.06	104.81	103.57	102.31	101.08	99.86	98.63
97.40								
96.21	95.00	93.80	92.65	91.49	90.26	89.12	87.97	86.83
85.70								
84.58	83.47	82.35	81.23	80.14	79.04	78.04	76.90	75.87
74.80								
73.79	72.72	71.75	70.70	69.71	68.71	67.76	66.78	65.82
64.82								
63.94	62.96	62.06	61.13	60.23	59.33	58.47	57.56	56.71
55.83								
55.02	54.16	53.33	52.50	51.71	50.87	50.11	49.31	48.55
47.75								
47.02	46.24	45.49	44.75	44.03	43.30	42.59	41.87	41.18
40.48								
39.79	39.09	38.43	37.76	37.11	36.44	35.81	35.16	34.52
33.90								
33.26	32.66	32.05	31.44	30.83	30.24	29.66	29.09	28.51
27.94								
27.39	26.83	26.29	25.76	25.22	24.70	24.20	23.70	23.19
22.69								
22.19	21.69	21.19	20.70	20.27	19.81	19.37	18.92	18.48
18.06								

17.63	17.22	16.82	16.42	16.04	15.64	15.27	14.89	14.54
14.16								
13.79	13.43	13.07	12.71	12.37	12.02	11.68	11.34	11.01
10.68								
10.36	10.05	9.73	9.43	9.14	8.84	8.55	8.26	7.99
7.71								
7.45	7.19	6.92	6.66	6.41	6.15	5.90	5.66	5.43
5.20								
4.98	4.77	4.56	4.37	4.17	3.99	3.80	3.64	3.47
3.30								
3.14	2.99	2.83	2.69	2.55	2.41	2.28	2.16	2.04
1.92								
1.80	1.70	1.60	1.50	1.42	1.34	1.26	1.19	1.13
1.07								
1.00	0.94	0.89	0.84	0.78	0.73	0.69	0.64	0.60
0.56								
0.51	0.47	0.42	0.38	0.36	0.33	0.30	0.28	0.26
0.24								
0.21	0.17	0.13	0.10	0.04	0.02	0.01	0.00	0.00
0.00								
0.00								
252.11	252.07	251.96	251.89	251.75	251.67	251.57	251.38	251.20
251.03								
250.81	250.55	250.33	250.13	249.91	249.58	249.28	249.01	248.68
248.31								
248.01	247.57	247.20	246.87	246.40	245.92	245.58	245.07	244.66
244.04								
243.59	242.95	242.50	241.95	241.44	240.82	240.23	239.64	239.04
238.38								
237.78	237.07	236.41	235.76	235.17	234.45	233.80	233.10	232.37
231.47								
230.57	229.66	228.76	227.87	227.08	226.20	225.46	224.56	223.66
222.89								
221.93	221.07	220.25	219.32	218.39	217.48	216.50	215.59	214.63
213.67								
212.73	211.71	210.73	209.79	208.78	207.68	206.70	205.71	204.59
203.58								
202.59	201.41	200.34	199.35	198.15	197.14	196.04	194.84	193.74
192.69								
191.50	190.34	189.25	188.03	186.86	185.79	184.50	183.33	182.20
180.98								
179.73	178.60	177.35	176.15	174.95	173.72	172.44	171.28	169.95
168.74								
167.54	166.29	164.95	163.82	162.49	161.18	159.93	158.71	157.35

156.14									
154.88	153.57	152.31	151.10	149.71	148.43	147.15	145.82	144.55	
143.28									
141.91	140.74	139.41	138.05	136.84	135.58	134.21	132.91	131.67	
130.34									
129.05	127.84	126.51	125.29	124.05	122.71	121.46	120.22	118.93	
117.71									
116.51	115.25	114.00	112.82	111.54	110.34	109.17	107.89	106.70	
105.54									
104.31	103.09	101.98	100.79	99.58	98.46	97.31	96.11	95.03	
93.86									
92.70	91.62	90.53	89.38	88.32	87.19	86.08	85.05	83.94	
82.86									
81.84	80.79	79.72	78.71	77.70	76.61	75.65	74.67	73.62	
72.66									
71.68	70.69	69.76	68.80	67.84	66.89	66.00	65.04	64.15	
63.26									
62.35	61.47	60.60	59.68	58.81	57.99	57.11	56.30	55.47	
54.61									
53.79	53.01	52.17	51.37	50.61	49.83	49.00	48.27	47.50	
46.71									
46.00	45.25	44.50	43.80	43.04	42.34	41.66	40.91	40.21	
39.53									
38.83	38.13	37.49	36.80	36.12	35.49	34.83	34.17	33.54	
32.91									
32.27	31.66	31.05	30.43	29.84	29.25	28.64	28.07	27.49	
26.91									
26.37	25.83	25.27	24.75	24.24	23.67	23.17	22.66	22.14	
21.62									
21.10	20.59	20.14	19.67	19.20	18.74	18.31	17.86	17.43	
17.02									
16.60	16.18	15.80	15.40	15.00	14.62	14.23	13.83	13.46	
13.10									
12.71	12.36	12.00	11.63	11.29	10.96	10.60	10.29	9.98	
9.66									
9.36	9.07	8.75	8.47	8.19	7.91	7.64	7.39	7.11	
6.84									
6.59	6.34	6.07	5.84	5.60	5.37	5.15	4.94	4.72	
4.52									
4.33	4.14	3.96	3.79	3.62	3.46	3.30	3.14	2.98	
2.83									
2.68	2.55	2.41	2.27	2.15	2.02	1.90	1.78	1.66	
1.57									
1.47	1.38	1.30	1.22	1.14	1.07	1.00	0.93	0.86	



64.29	63.32	62.45	61.50	60.63	59.71	58.86	57.95	57.10
56.25								
55.36	54.56	53.73	52.86	52.08	51.28	50.45	49.69	48.90
48.13								
47.38	46.60	45.84	45.08	44.37	43.62	42.92	42.22	41.49
40.84								
40.13	39.40	38.75	38.06	37.38	36.74	36.10	35.44	34.78
34.17								
33.53	32.90	32.32	31.68	31.07	30.51	29.90	29.32	28.76
28.17								
27.61	27.05	26.51	25.95	25.42	24.90	24.37	23.88	23.37
22.87								
22.38	21.89	21.40	20.91	20.42	19.94	19.50	19.06	18.61
18.18								
17.77	17.34	16.94	16.55	16.15	15.77	15.40	15.03	14.67
14.33								
13.98	13.62	13.29	12.94	12.60	12.27	11.94	11.61	11.30
10.99								
10.68	10.40	10.12	9.84	9.58	9.32	9.06	8.82	8.58
8.33								
8.09	7.88	7.64	7.42	7.22	7.00	6.78	6.58	6.37
6.16								
5.96	5.76	5.57	5.39	5.20	5.01	4.85	4.68	4.51
4.36								
4.20	4.04	3.90	3.75	3.60	3.46	3.33	3.18	3.05
2.92								
2.78	2.65	2.53	2.40	2.28	2.17	2.05	1.92	1.81
1.70								
1.60	1.50	1.42	1.33	1.25	1.17	1.09	1.02	0.96
0.88								
0.82	0.75	0.59	0.40	0.32	0.38	0.43	0.41	0.38
0.35								
0.32	0.29	0.25	0.22	0.16	0.00	0.00	0.00	0.00
0.00								
0.00								
252.11	252.03	251.96	251.85	251.75	251.68	251.49	251.31	251.09
250.96								
250.67	250.54	250.11	249.84	249.58	249.25	248.90	248.54	248.14
247.76								
247.30	246.92	246.37	245.92	245.35	244.98	244.39	243.80	243.19
242.70								
242.01	241.45	240.69	240.11	239.34	238.71	237.92	237.30	236.43
235.76								
234.86	234.16	233.31	232.71	231.61	230.50	229.39	228.29	227.41

226.61									
225.54	224.59	223.50	222.58	221.49	220.60	219.41	218.41	217.22	
216.26									
215.05	214.07	212.87	211.81	210.53	209.42	208.17	207.16	205.88	
204.67									
203.32	202.22	200.90	199.80	198.39	197.23	195.81	194.61	193.20	
192.03									
190.62	189.39	187.89	186.64	185.14	183.99	182.52	181.19	179.67	
178.31									
176.85	175.53	174.08	172.71	171.14	169.75	168.24	166.90	165.38	
163.96									
162.43	161.03	159.45	158.03	156.64	155.09	153.51	152.06	150.51	
149.06									
147.59	146.08	144.43	142.93	141.44	139.95	138.50	136.95	135.35	
133.85									
132.30	130.83	129.30	127.81	126.26	124.74	123.19	121.65	120.26	
118.74									
117.13	115.63	114.10	112.67	111.25	109.69	108.19	106.63	105.27	
103.73									
102.27	100.84	99.36	97.86	96.48	95.03	93.63	92.19	90.80	
89.40									
88.01	86.62	85.30	83.96	82.57	81.25	80.02	78.67	77.39	
76.14									
74.80	73.57	72.38	71.16	69.97	68.76	67.57	66.42	65.31	
64.15									
63.06	61.96	60.82	59.75	58.73	57.67	56.67	55.64	54.58	
53.63									
52.68	51.69	50.80	49.85	48.93	48.01	47.17	46.31	45.44	
44.63									
43.77	42.95	42.17	41.37	40.63	39.88	39.09	38.37	37.65	
36.93									
36.24	35.56	34.89	34.18	33.57	32.92	32.27	31.68	31.06	
30.43									
29.86	29.25	28.70	28.13	27.59	27.01	26.48	25.95	25.42	
24.91									
24.41	23.87	23.43	22.92	22.45	21.98	21.50	21.03	20.56	
20.12									
19.67	19.25	18.85	18.41	18.03	17.63	17.22	16.86	16.49	
16.10									
15.75	15.38	15.03	14.69	14.35	14.01	13.70	13.38	13.06	
12.76									
12.48	12.16	11.89	11.63	11.34	11.08	10.82	10.54	10.29	
10.04									
9.79	9.53	9.30	9.06	8.81	8.60	8.37	8.16	7.97	













2.30	2.25	2.21	2.17	2.12	2.09	2.04	2.00	1.96
1.92								
1.88	1.85	1.81	1.77	1.73	1.70	1.66	1.63	1.59
1.56								
1.52	1.49	1.45	1.42	1.38	1.35	1.31	1.28	1.24
1.21								
1.18	1.14	1.11	1.08	1.05	1.02	0.99	0.96	0.94
0.91								
0.88	0.86	0.83	0.81	0.78	0.76	0.73	0.71	0.69
0.66								
0.64	0.62	0.60	0.58	0.56	0.54	0.53	0.51	0.49
0.48								
0.46	0.44	0.43	0.41	0.40	0.39	0.38	0.36	0.35
0.33								
0.32	0.31	0.30	0.29	0.28	0.27	0.25	0.20	0.14
0.09								
0.05	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00
0.00								
0.00								
252.11	252.04	252.10	252.11	252.04	252.00	251.93	251.83	251.72
251.61								
251.43	251.11	250.96	250.78	250.54	250.32	249.99	249.71	249.38
249.09								
248.74	248.28	247.88	247.52	247.02	246.65	246.15	245.67	245.12
244.61								
244.02	243.57	242.92	242.34	241.62	241.05	240.33	239.75	239.03
238.30								
237.50	236.80	236.02	235.22	234.40	233.60	232.70	231.92	230.90
230.19								
229.15	228.36	227.34	226.42	225.42	224.50	223.43	222.42	221.24
220.36								
219.23	218.16	217.01	216.01	214.80	213.76	212.49	211.41	210.13
209.06								
207.73	206.65	205.30	204.22	202.91	201.72	200.37	199.17	197.78
196.66								
195.18	193.95	192.51	191.27	189.86	188.61	187.03	185.75	184.33
182.95								
181.40	180.18	178.61	177.32	175.80	174.41	172.83	171.50	169.94
168.62								
167.01	165.60	164.10	162.67	161.06	159.63	158.07	156.63	155.06
153.58								
151.93	150.56	149.00	147.49	145.93	144.44	142.82	141.36	139.79
138.24								
136.74	135.19	133.60	132.09	130.59	129.04	127.48	125.97	124.36

122.87									
121.36	119.85	118.28	116.74	115.26	113.71	112.26	110.75	109.18	
107.67									
106.17	104.70	103.00	101.52	100.05	98.57	97.09	95.59	94.24	
92.78									
91.40	89.98	88.57	87.18	85.84	84.48	83.12	81.76	80.47	
79.15									
77.87	76.64	75.34	74.07	72.86	71.63	70.41	69.20	68.05	
66.90									
65.74	64.59	63.48	62.41	61.33	60.27	59.22	58.18	57.15	
56.15									
55.16	54.18	53.24	52.29	51.36	50.44	49.50	48.65	47.75	
46.95									
46.12	45.27	44.46	43.66	42.87	42.10	41.35	40.62	39.85	
39.15									
38.48	37.78	37.08	36.45	35.78	35.13	34.49	33.89	33.28	
32.68									
32.11	31.50	30.93	30.39	29.79	29.27	28.75	28.19	27.68	
27.16									
26.67	26.15	25.68	25.18	24.70	24.23	23.76	23.30	22.87	
22.42									
21.99	21.56	21.15	20.72	20.33	19.91	19.53	19.13	18.76	
18.37									
18.01	17.64	17.28	16.93	16.58	16.23	15.91	15.55	15.25	
14.90									
14.59	14.28	13.97	13.66	13.37	13.07	12.78	12.49	12.22	
11.93									
11.66	11.38	11.13	10.87	10.61	10.36	10.10	9.85	9.61	
9.37									
9.14	8.91	8.69	8.47	8.25	8.04	7.83	7.62	7.43	
7.22									
7.03	6.84	6.66	6.46	6.29	6.12	5.94	5.78	5.61	
5.44									
5.29	5.13	4.98	4.83	4.69	4.54	4.41	4.27	4.13	
4.01									
3.89	3.76	3.64	3.53	3.41	3.30	3.19	3.09	2.98	
2.88									
2.78	2.68	2.59	2.49	2.40	2.31	2.22	2.14	2.05	
1.97									
1.89	1.81	1.72	1.65	1.57	1.49	1.42	1.35	1.28	
1.22									
1.15	1.09	1.03	0.98	0.92	0.87	0.82	0.77	0.72	
0.68									
0.63	0.59	0.55	0.51	0.48	0.45	0.42	0.39	0.36	



60.23	59.34	58.46	57.64	56.81	55.93	55.14	54.32	53.49
52.71								
51.94	51.11	50.33	49.58	48.82	48.05	47.34	46.58	45.88
45.16								
44.46	43.72	43.03	42.34	41.66	40.95	40.29	39.64	38.96
38.32								
37.66	37.00	36.37	35.74	35.11	34.49	33.89	33.29	32.69
32.09								
31.52	30.93	30.35	29.79	29.22	28.68	28.14	27.60	27.05
26.52								
25.99	25.48	24.98	24.46	23.96	23.48	22.98	22.49	22.04
21.56								
21.09	20.60	20.17	19.72	19.29	18.84	18.42	17.99	17.57
17.14								
16.74	16.32	15.94	15.54	15.16	14.76	14.40	14.01	13.65
13.29								
12.94	12.60	12.25	11.90	11.58	11.26	10.94	10.61	10.29
9.97								
9.68	9.38	9.09	8.81	8.53	8.25	7.99	7.73	7.47
7.22								
6.98	6.73	6.50	6.27	6.05	5.83	5.62	5.41	5.20
5.01								
4.82	4.63	4.45	4.28	4.10	3.94	3.78	3.63	3.47
3.32								
3.18	3.04	2.90	2.76	2.63	2.50	2.38	2.26	2.14
2.02								
1.91	1.80	1.69	1.59	1.48	1.39	1.30	1.21	1.12
1.04								
0.97	0.89	0.82	0.76	0.70	0.64	0.58	0.53	0.48
0.44								
0.40	0.33	0.21	0.09	0.01	0.00	0.00	0.00	0.00
0.00								
0.00								
252.11	252.24	252.29	252.29	252.22	252.32	252.22	252.25	252.14
252.08								
251.97	251.93	251.79	251.71	251.43	251.39	251.15	251.03	250.68
250.63								
250.38	250.13	249.81	249.57	249.24	249.05	248.61	248.27	247.87
247.59								
247.14	246.90	246.31	245.99	245.48	245.14	244.53	244.07	243.59
243.08								
242.43	241.95	241.30	240.79	240.18	239.60	238.92	238.34	237.64
237.05								
236.19	235.69	234.97	234.25	233.53	232.76	231.94	231.24	230.49

229.67									
228.84	228.05	227.20	226.37	225.50	224.66	223.83	222.93	222.04	
221.07									
220.15	219.27	218.35	217.43	216.41	215.37	214.49	213.49	212.48	
211.48									
210.49	209.52	208.45	207.28	206.26	205.29	204.20	203.19	201.96	
200.99									
199.75	198.72	197.57	196.53	195.30	194.26	193.11	191.98	190.75	
189.66									
188.45	187.39	186.10	184.90	183.70	182.57	181.28	180.14	178.91	
177.68									
176.44	175.26	173.88	172.70	171.46	170.26	168.89	167.74	166.46	
165.28									
163.93	162.70	161.40	160.20	158.78	157.64	156.26	154.94	153.61	
152.53									
151.06	149.83	148.55	147.31	145.85	144.67	143.31	142.08	140.81	
139.48									
138.14	136.95	135.53	134.29	132.99	131.70	130.36	129.19	127.86	
126.56									
125.33	124.12	122.76	121.53	120.27	119.03	117.72	116.51	115.27	
114.07									
112.80	111.59	110.39	109.19	107.95	106.82	105.58	104.39	102.65	
101.55									
100.46	99.37	98.29	97.14	96.01	94.87	93.75	92.64	91.55	
90.41									
89.30	88.30	87.13	86.09	85.04	83.96	82.86	81.87	80.80	
79.80									
78.77	77.74	76.69	75.77	74.69	73.73	72.76	71.79	70.82	
69.92									
68.95	67.99	67.07	66.17	65.21	64.34	63.43	62.56	61.69	
60.83									
59.93	59.08	58.23	57.42	56.56	55.75	54.89	54.14	53.30	
52.52									
51.73	50.96	50.16	49.44	48.64	47.89	47.12	46.42	45.63	
44.92									
44.17	43.47	42.74	42.05	41.33	40.65	39.96	39.27	38.58	
37.93									
37.24	36.60	35.94	35.28	34.64	34.02	33.38	32.77	32.14	
31.53									
30.93	30.35	29.75	29.16	28.58	28.02	27.44	26.88	26.33	
25.79									
25.25	24.71	24.18	23.64	23.13	22.62	22.12	21.61	21.12	
20.63									
20.15	19.67	19.20	18.73	18.28	17.81	17.39	16.94	16.49	



16.07								
15.66	15.24	14.82	14.42	14.02	13.63	13.25	12.86	12.49
12.13								
11.77	11.41	11.07	10.73	10.39	10.05	9.71	9.38	9.08
8.77								
8.47	8.18	7.88	7.60	7.33	7.06	6.80	6.55	6.29
6.05								
5.82	5.58	5.36	5.15	4.93	4.72	4.53	4.34	4.14
3.97								
3.79	3.62	3.45	3.29	3.13	2.98	2.83	2.68	2.54
2.40								
2.27	2.14	2.00	1.88	1.77	1.65	1.53	1.43	1.32
1.22								
1.13	1.05	0.96	0.88	0.81	0.74	0.67	0.60	0.54
0.49								
0.44	0.38	0.32	0.26	0.01	0.00	0.00	0.00	0.00
0.00								
0.00								