

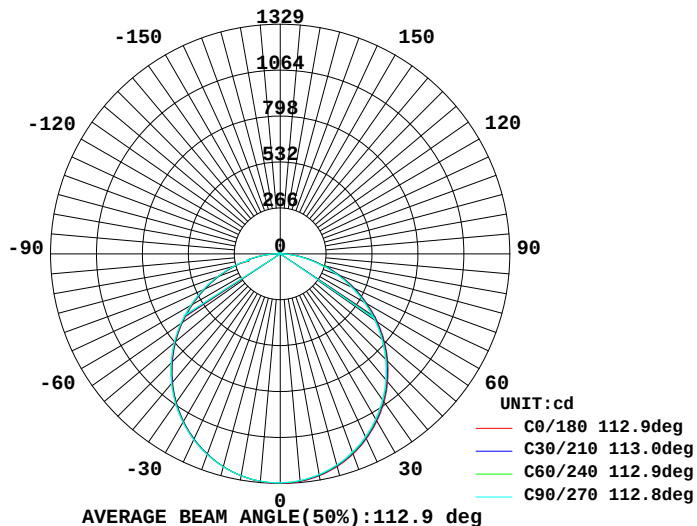
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office BASIC 30W 4000K 82Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 596x592x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	1329	S/MH(C0/180)	1.25
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	3862.0	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	128.9	Current(A)	0.141
NOMINAL FLUX(lm)	3862.0	η up(%)	1.5	Power(W)	29.95
LAMPS QUANTITY	1	η down(%)	98.5	Power Factor(PF)	0.958
TEST VOLTAGE(V)	220.5	Effective Flux(lm)	3862.0	EEI	0.106

LUMINOUS INTENSITY DISTRIBUTION



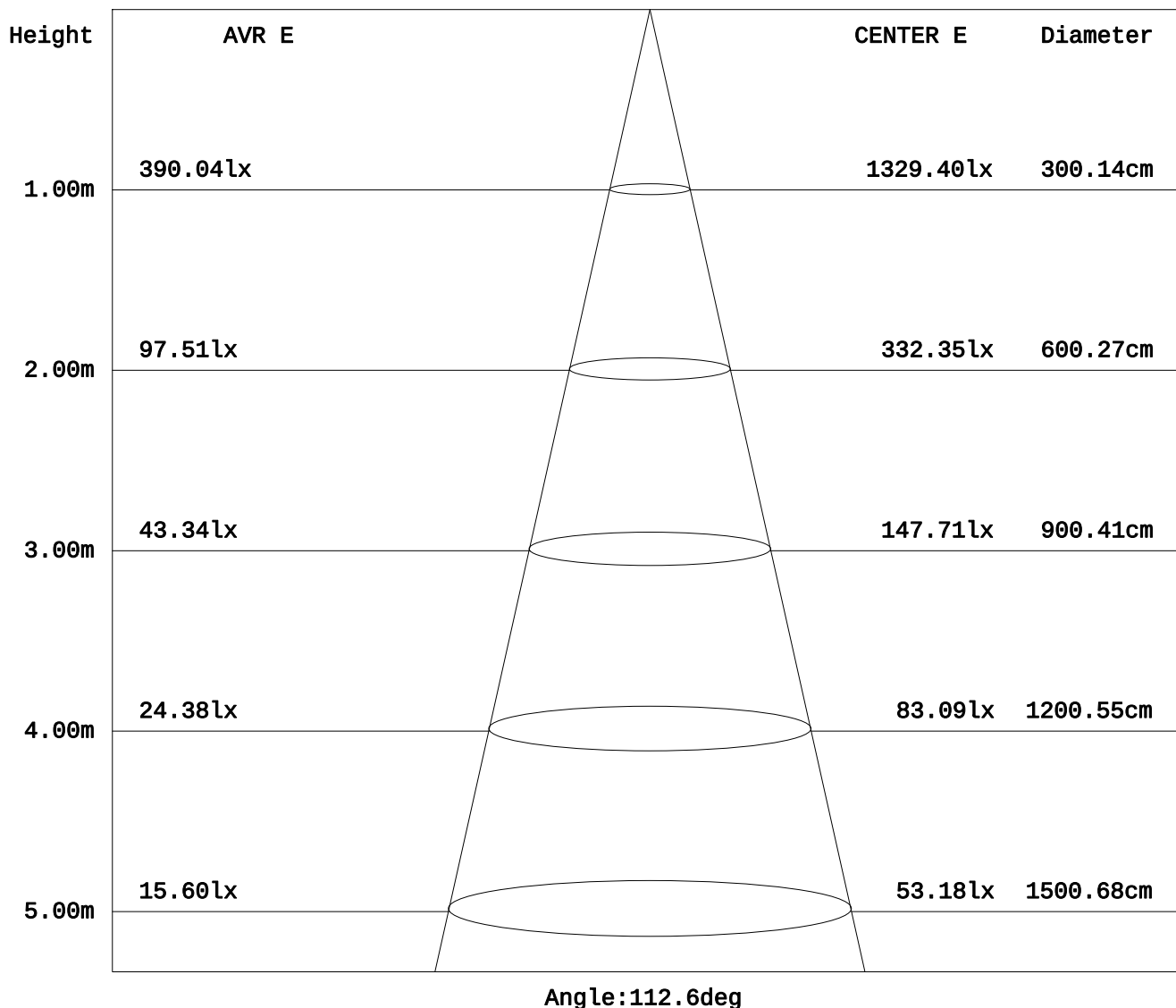
Temperature: 25.3°C
 Operators:
 Test Date: 25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra. 0,2% Flickering. Temp 36.4C

AVERAGE AND CENTER E Figure

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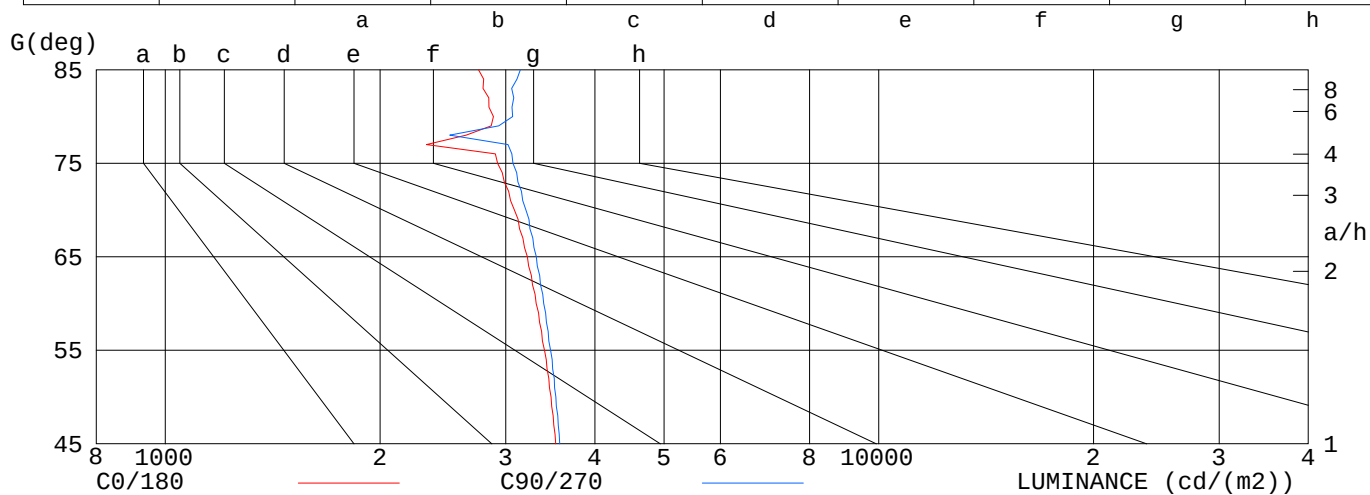
LUMINANCE LIMITATION CURVES

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LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	2749	3144
80	2883	3068
75	2923	3071
70	3086	3202
65	3218	3312
60	3310	3390
55	3399	3467
50	3472	3528
45	3525	3571

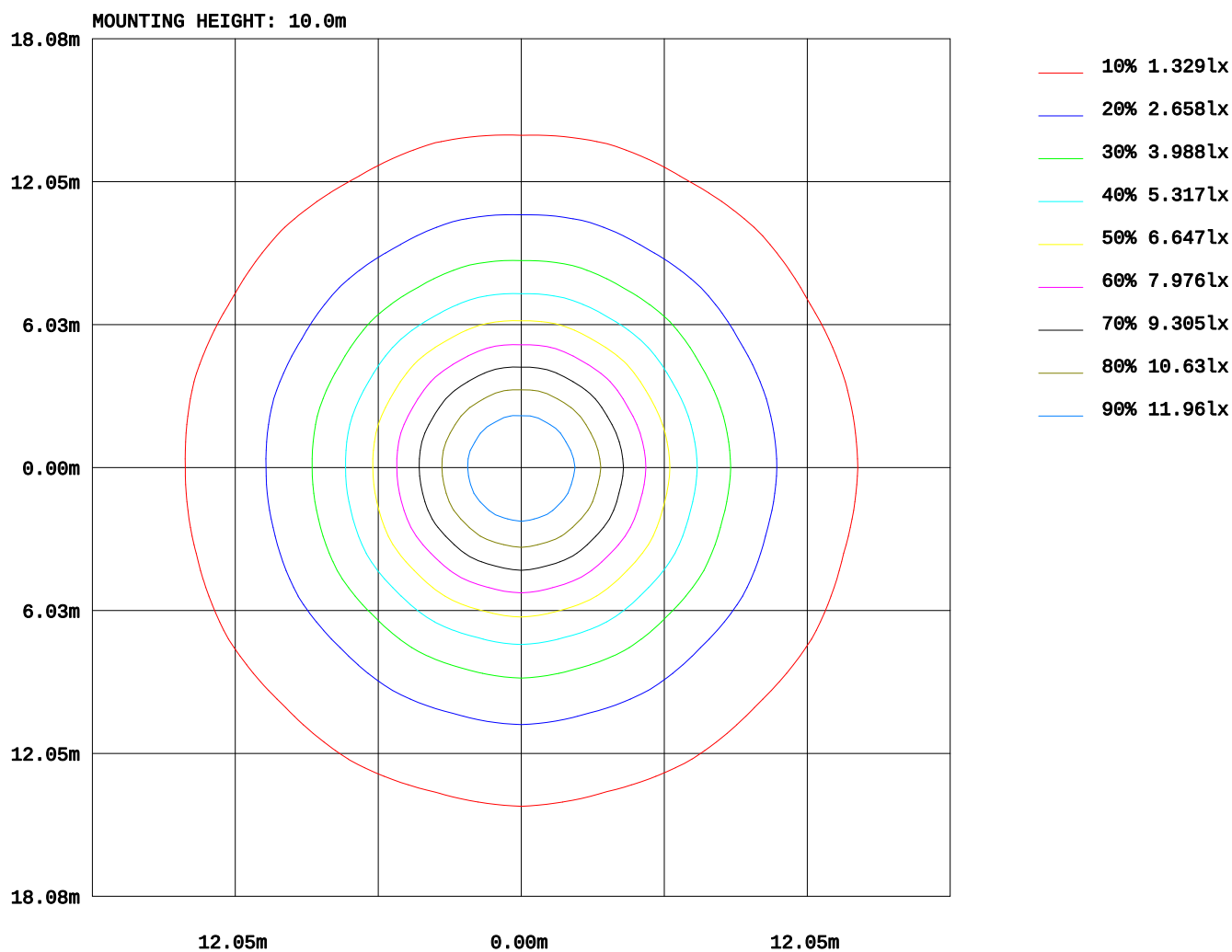
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ISOLUX DIAGRAM

Report number:

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NAME: Office BASIC 30W 4000K 82Ra 0pa1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 596x592x20	SERIAL No.:



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UGR Table

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NAME: Office BASIC 30W 4000K 82Ra Opal			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 596x592x20		SERIAL No.:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.0	18.5	17.3	18.7	19.0	17.1	18.6	17.4	18.8	19.0
3H	18.5	19.9	18.8	20.2	20.4	18.6	20.0	19.0	20.3	20.6
4H	19.1	20.5	19.5	20.7	21.0	19.3	20.6	19.6	20.9	21.2
6H	19.6	20.8	19.9	21.1	21.4	19.8	21.0	20.1	21.3	21.6
8H	19.7	21.0	20.1	21.3	21.6	20.0	21.2	20.3	21.5	21.8
12H	19.9	21.0	20.3	21.4	21.7	20.1	21.3	20.5	21.6	21.9
4H 2H	17.6	18.9	17.9	19.2	19.5	17.7	19.0	18.0	19.3	19.6
3H	19.3	20.5	19.7	20.8	21.1	19.4	20.6	19.8	20.9	21.3
4H	20.1	21.2	20.5	21.5	21.9	20.2	21.3	20.6	21.6	22.0
6H	20.6	21.6	21.0	21.9	22.3	20.8	21.7	21.2	22.1	22.5
8H	20.8	21.7	21.3	22.1	22.5	21.0	21.9	21.5	22.3	22.7
12H	21.0	21.8	21.5	22.2	22.7	21.2	22.0	21.7	22.4	22.9
8H 4H	20.4	21.2	20.8	21.6	22.1	20.5	21.4	20.9	21.7	22.2
6H	21.1	21.8	21.6	22.2	22.7	21.2	22.0	21.7	22.4	22.9
8H	21.4	22.1	21.9	22.5	23.0	21.6	22.2	22.1	22.7	23.2
12H	21.6	22.2	22.1	22.7	23.2	21.8	22.4	22.3	22.9	23.4
12H 4H	20.4	21.2	20.8	21.6	22.0	20.5	21.3	20.9	21.7	22.1
6H	21.2	21.8	21.6	22.3	22.7	21.3	21.9	21.8	22.4	22.9
8H	21.5	22.1	22.0	22.6	23.1	21.7	22.2	22.2	22.7	23.2

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.1
1.5H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
2.0H	+ 0.2 / - 0.4	+ 0.2 / - 0.4

CIE Pub.117 Corrected 3862 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.7)

Temperature:25.3'C
Operators:
Test Date:25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra. 0,2% Flickering. Temp 36.4C

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1329	1327	1327	1326	1326	1326	1325	1325	1325	1325	1325	1325	1329	1327	1327
5.0	1323	1320	1322	1319	1321	1319	1321	1319	1322	1320	1322	1320	1323	1323	1320
10.0	1305	1300	1304	1301	1304	1301	1305	1302	1306	1303	1306	1302	1305	1306	1301
15.0	1275	1269	1275	1270	1275	1271	1277	1272	1278	1273	1278	1273	1275	1278	1271
20.0	1234	1226	1234	1227	1236	1229	1238	1231	1239	1232	1240	1232	1233	1237	1229
25.0	1182	1173	1183	1175	1185	1178	1188	1180	1190	1181	1190	1181	1180	1187	1176
30.0	1120	1110	1121	1112	1124	1116	1127	1118	1129	1119	1130	1119	1119	1126	1114
35.0	1050	1037	1052	1040	1056	1044	1059	1046	1061	1048	1062	1047	1047	1056	1042
40.0	970	957	973	961	977	965	980	968	983	969	983	969	967	979	961
45.0	882	868	886	873	890	877	894	880	897	882	897	881	881	892	875
50.0	790	773	794	778	799	782	803	785	806	787	806	787	786	799	780
55.0	690	674	695	679	700	684	704	687	707	690	708	689	688	702	681
60.0	586	569	591	574	596	579	600	582	603	585	604	585	583	598	577
65.0	481	461	487	466	492	471	496	474	499	477	500	477	476	495	469
70.0	374	355	379	360	384	365	388	368	391	371	393	372	370	388	364
75.0	268	241	274	247	278	250	281	253	285	256	287	257	255	283	251
80.0	177	144	183	149	187	152	189	154	192	158	194	158	156	191	154
85.0	84.7	60.6	91.5	61.7	92.5	66.5	97.0	69.0	97.3	67.6	103	73.0	69.0	99.9	69.3
90.0	15.0	4.70	18.5	6.20	19.7	6.10	21.0	4.70	20.6	4.70	20.2	6.00	5.90	22.3	5.60
95.0	10.5	4.00	10.5	4.00	10.5	4.00	10.5	3.90	10.5	3.90	10.5	3.90	4.40	10.8	4.10
100.0	10.0	4.60	10.0	4.60	10.0	4.60	10.0	4.50	10.0	4.50	10.0	4.50	5.00	10.2	4.70
105.0	9.80	5.20	9.80	5.20	9.70	5.20	9.80	5.20	9.80	5.10	9.80	5.20	5.70	10.0	5.40
110.0	9.80	5.80	9.70	5.80	9.70	5.80	9.80	5.80	9.70	5.70	9.70	5.80	6.40	10.0	6.00
115.0	9.90	6.40	9.80	6.40	9.80	6.40	9.90	6.40	9.80	6.40	9.80	6.40	7.00	10.0	6.60
120.0	10.1	7.00	10.0	7.00	10.0	7.00	10.0	7.00	10.0	6.90	10.0	7.00	7.70	10.2	7.20
125.0	10.4	7.60	10.2	7.50	10.2	7.60	10.3	7.50	10.2	7.50	10.2	7.60	8.29	10.5	7.80
130.0	10.5	8.20	10.4	8.10	10.4	8.10	10.5	8.10	10.4	8.00	10.4	8.10	8.80	10.7	8.29
135.0	10.9	8.70	10.7	8.60	10.7	8.60	10.8	8.60	10.7	8.60	10.7	8.70	9.30	11.0	8.80
140.0	11.1	9.09	10.9	9.09	10.9	9.20	11.0	9.00	10.9	9.09	11.0	9.20	9.80	11.3	9.30
145.0	11.4	9.50	11.1	9.50	11.2	9.60	11.3	9.50	11.1	9.50	11.2	9.70	10.3	11.5	9.70
150.0	11.5	10.0	11.3	9.90	11.5	10.1	11.5	10.0	11.4	9.90	11.5	10.1	10.7	11.8	10.1
155.0	11.8	10.4	11.5	10.3	11.7	10.5	11.7	10.3	11.5	10.3	11.7	10.5	11.0	12.0	10.5
160.0	12.0	10.8	11.9	10.5	11.9	10.8	11.9	10.7	11.9	10.5	11.9	10.8	11.4	12.1	10.8
165.0	12.2	11.0	12.1	10.9	12.0	11.0	12.1	11.0	12.1	11.0	12.0	11.0	11.7	12.2	11.0
170.0	12.3	11.2	12.2	11.2	12.1	11.2	12.2	11.2	12.2	11.2	12.1	11.2	11.9	12.2	11.2
175.0	12.4	11.4	12.2	11.3	12.1	11.3	12.3	11.3	12.2	11.3	12.2	11.3	12.1	12.2	11.4
180.0	12.4	11.5	12.1	11.5	12.1	11.5	12.2	11.5	12.1	11.5	12.1	11.5	12.5	12.1	11.5

Temperature:25.3'C
Operators:
Test Date:25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra. 0,2% Flickering. Temp 36.4C

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1326	1326	1326	1325	1325	1325	1325	1325	1325
5.0	1321	1318	1320	1317	1318	1317	1318	1316	1318
10.0	1304	1299	1302	1297	1300	1296	1300	1295	1300
15.0	1275	1268	1272	1265	1269	1264	1269	1263	1269
20.0	1234	1225	1231	1221	1228	1220	1226	1219	1227
25.0	1183	1171	1179	1167	1176	1165	1175	1164	1175
30.0	1122	1109	1117	1104	1113	1102	1112	1102	1113
35.0	1051	1036	1046	1031	1042	1029	1040	1028	1041
40.0	973	955	968	950	963	947	962	946	963
45.0	886	868	880	862	875	859	874	859	875
50.0	793	773	786	766	781	763	779	763	781
55.0	696	674	688	667	683	664	681	664	683
60.0	592	568	584	561	578	557	576	558	579
65.0	488	461	479	453	473	449	472	450	475
70.0	381	355	372	348	366	344	365	345	368
75.0	276	242	267	235	261	231	260	232	263
80.0	186	146	178	139	172	135	171	137	173
85.0	94.0	60.6	86.7	57.3	81.6	51.8	79.1	53.2	82.9
90.0	18.2	4.20	15.5	4.10	13.7	3.80	12.9	3.50	13.9
95.0	10.7	4.20	10.8	4.20	10.5	4.10	10.5	4.10	10.5
100.0	10.2	4.80	10.2	4.80	10.0	4.70	10.0	4.70	10.0
105.0	10.0	5.40	10.0	5.40	9.90	5.30	9.80	5.30	9.80
110.0	9.90	6.00	10.0	6.00	9.90	6.00	9.80	5.90	9.80
115.0	10.0	6.60	10.0	6.70	10.0	6.60	9.90	6.50	9.90
120.0	10.2	7.20	10.2	7.30	10.1	7.20	10.1	7.10	10.1
125.0	10.4	7.80	10.4	7.90	10.3	7.70	10.3	7.70	10.3
130.0	10.5	8.29	10.7	8.40	10.5	8.20	10.5	8.20	10.5
135.0	10.9	8.80	10.9	8.90	10.9	8.80	10.8	8.70	10.8
140.0	11.1	9.20	11.1	9.30	11.1	9.20	11.0	9.09	11.0
145.0	11.4	9.60	11.3	9.80	11.5	9.70	11.2	9.50	11.2
150.0	11.5	10.0	11.5	10.2	11.7	10.0	11.4	9.90	11.5
155.0	11.7	10.4	11.8	10.5	11.9	10.4	11.7	10.3	11.7
160.0	12.0	10.8	12.0	10.8	12.1	10.7	11.9	10.7	11.9
165.0	12.1	11.1	12.1	11.1	12.1	10.9	12.0	11.0	12.0
170.0	12.2	11.2	12.2	11.3	12.1	11.2	12.1	11.2	12.1
175.0	12.2	11.4	12.2	11.5	12.1	11.3	12.2	11.3	12.1
180.0	12.1	11.5	12.1	11.7	12.1	11.5	12.1	11.5	12.1

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