

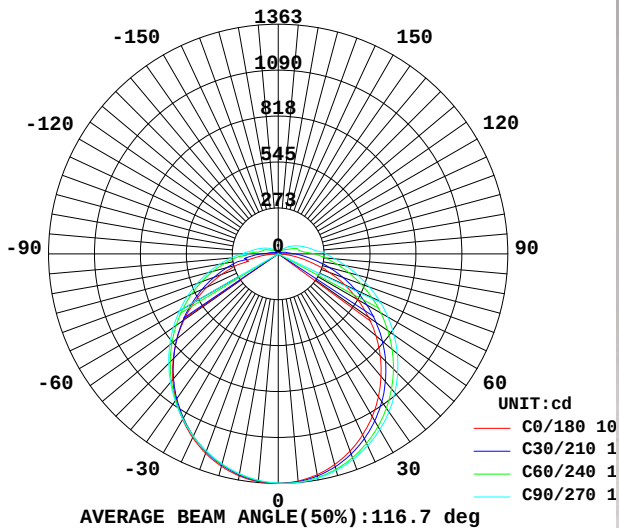
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP Standart 40W 5000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4911	DIMENSION: 600x97x75	SERIAL No.:

DATA OF LAMP		Imax(cd)	1363	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4530.1	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	116.9	Current(A)	0.184
NOMINAL FLUX(lm)	4530.1	η up(%)	6.7	Power(W)	38.74
LAMPS QUANTITY	1	η down(%)	93.3	Power Factor(PF)	0.952
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4530.1	EEI	0.116

LUMINOUS INTENSITY DISTRIBUTION



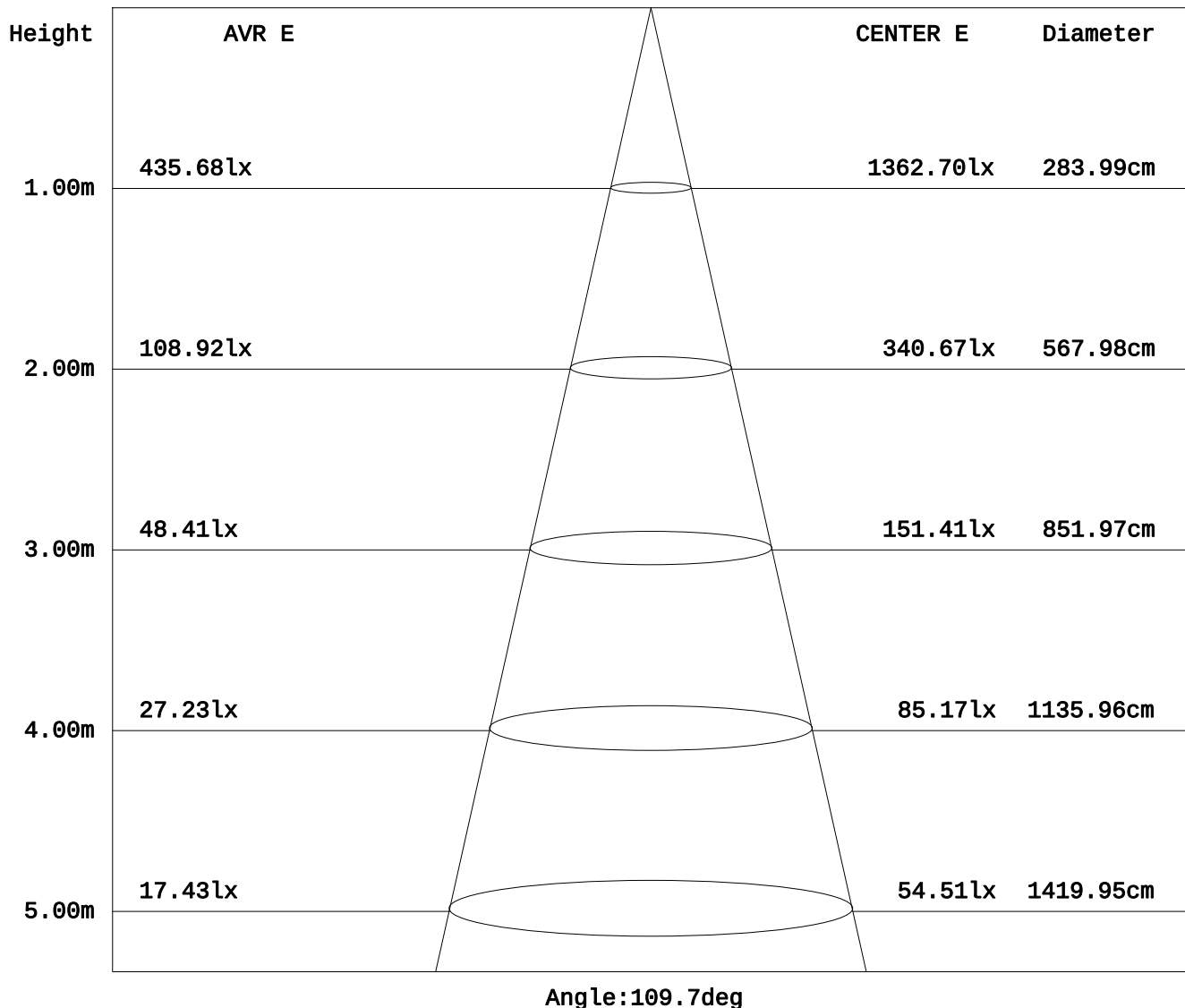
Temperature: 25.3°C
Operators:
Test Date: 06-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 83Ra. 0.3% Flickering. Temp 38.4C.

AVERAGE AND CENTER E Figure

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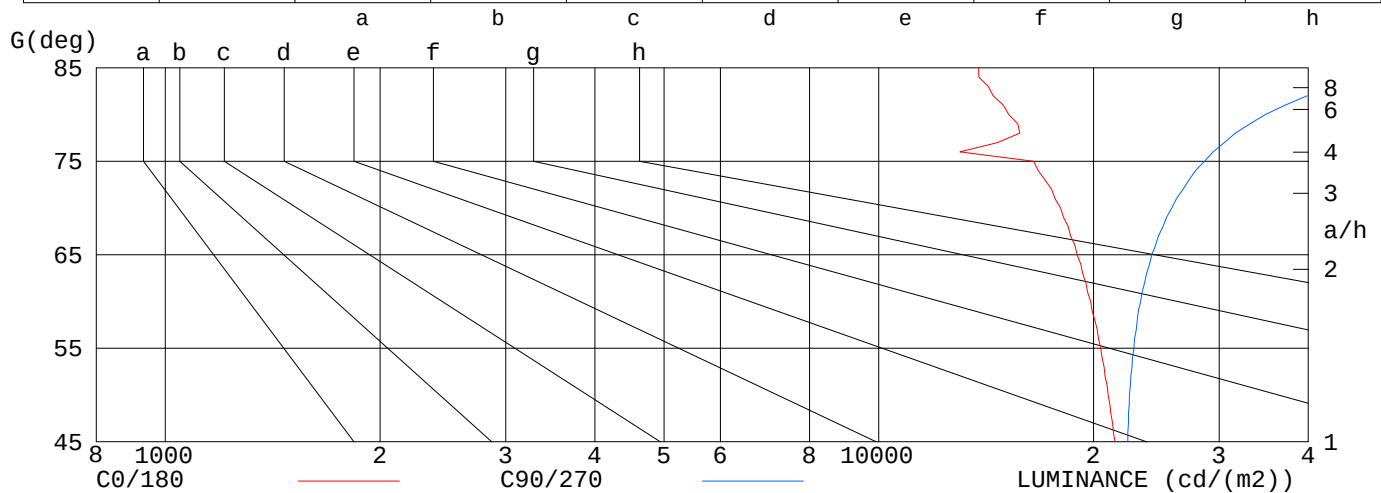
LUMINANCE LIMITATION CURVES

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SPECIFICATION:	CCT(K): 4911	DIMENSION: 600x97x75	SERIAL No.:

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	13800	55496
80	15208	34820
75	16484	28613
70	17985	25752
65	18966	24142
60	19814	23278
55	20475	22779
50	20960	22456
45	21437	22343

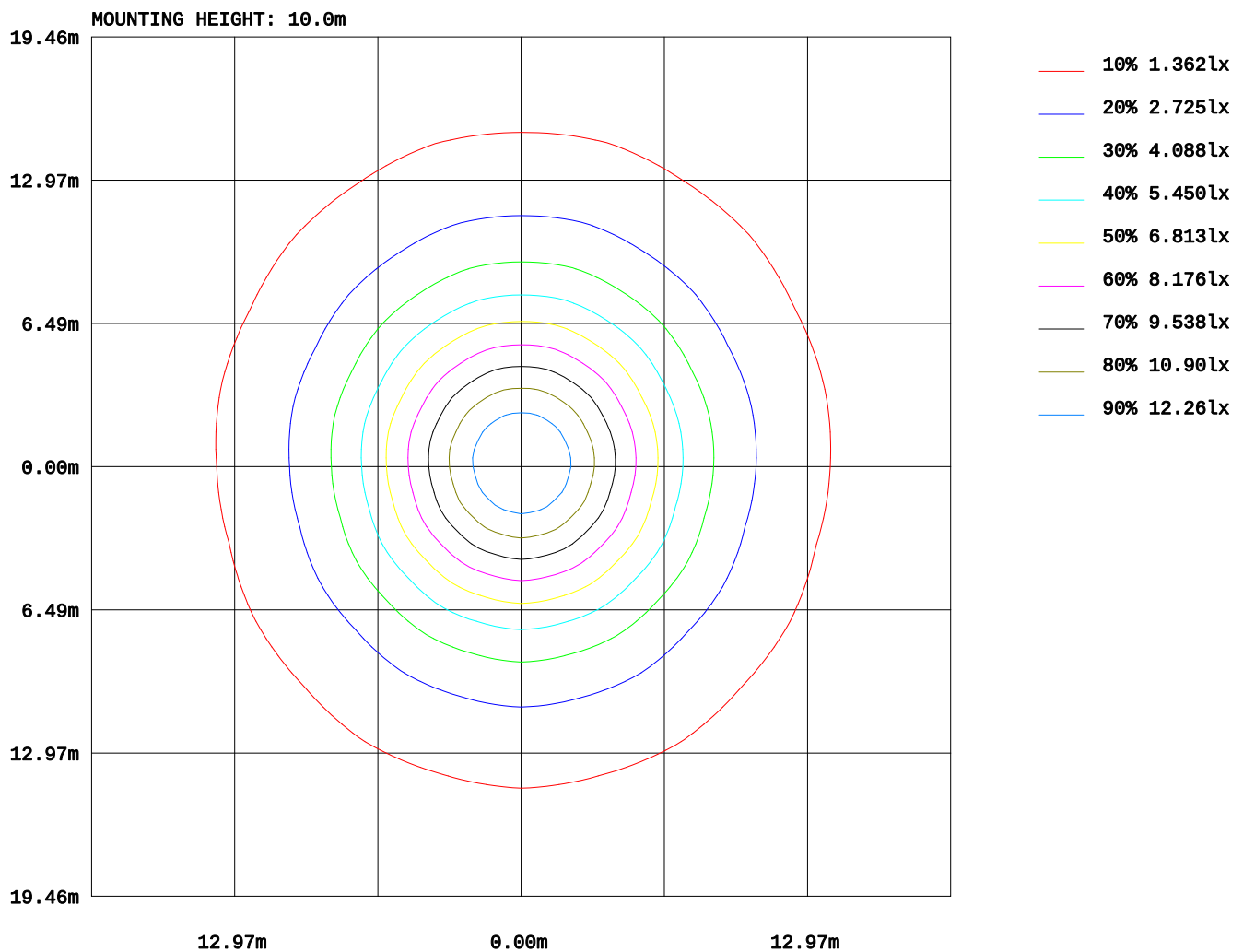
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ISOLUX DIAGRAM

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UGR Table

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Address:				
NAME: LSP Standart 40W 5000K 82Ra			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4911	DIMENSION: 600x97x75		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	22.5	24.0	22.9	24.3	24.7	23.3	24.8	23.6	25.1	25.4
3H	24.0	25.3	24.4	25.7	26.1	25.3	26.7	25.7	27.1	27.4
4H	24.5	25.8	24.9	26.2	26.6	26.4	27.7	26.8	28.1	28.5
6H	24.9	26.2	25.4	26.6	27.0	27.5	28.7	27.9	29.1	29.5
8H	25.1	26.3	25.5	26.7	27.1	28.1	29.2	28.5	29.6	30.1
12H	25.2	26.3	25.6	26.7	27.2	28.7	29.8	29.2	30.3	30.7
4H 2H	23.3	24.6	23.7	25.0	25.4	23.9	25.2	24.3	25.5	25.9
3H	25.0	26.1	25.4	26.5	27.0	26.2	27.3	26.6	27.7	28.2
4H	25.7	26.7	26.2	27.2	27.7	27.4	28.4	27.9	28.9	29.3
6H	26.2	27.1	26.7	27.6	28.1	28.7	29.6	29.2	30.1	30.6
8H	26.4	27.3	26.9	27.8	28.3	29.3	30.2	29.9	30.7	31.2
12H	26.5	27.3	27.1	27.8	28.4	30.1	30.9	30.6	31.4	32.0
8H 4H	26.3	27.1	26.8	27.6	28.2	27.7	28.6	28.2	29.1	29.6
6H	27.0	27.8	27.6	28.3	28.8	29.2	30.0	29.8	30.5	31.1
8H	27.4	28.0	27.9	28.6	29.1	30.1	30.8	30.7	31.3	31.9
12H	27.6	28.2	28.2	28.7	29.4	31.1	31.7	31.7	32.2	32.9
12H 4H	26.4	27.2	26.9	27.7	28.3	27.7	28.5	28.2	29.0	29.6
6H	27.3	27.9	27.9	28.5	29.1	29.3	30.0	29.9	30.5	31.1
8H	27.7	28.3	28.3	28.9	29.5	30.3	30.9	30.9	31.4	32.0

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.1
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.3

CIE Pub.117 Corrected 4530 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

Temperature:25.3'C
Operators:
Test Date:06-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra. 0.3% Flickering. Temp 38.4C.

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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Address:			
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SPECIFICATION:	CCT(K): 4911	DIMENSION: 600x97x75	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1363	1362	1362	1362	1362	1361	1361	1359	1360	1359	1360	1359	1363	1362	1362
5.0	1358	1353	1354	1350	1351	1347	1349	1345	1347	1345	1349	1347	1354	1357	1357
10.0	1338	1330	1332	1326	1329	1323	1326	1320	1324	1319	1325	1322	1331	1338	1339
15.0	1306	1294	1298	1289	1294	1287	1291	1283	1288	1280	1288	1283	1294	1306	1308
20.0	1260	1246	1251	1242	1249	1241	1246	1237	1241	1232	1239	1233	1247	1262	1265
25.0	1204	1186	1194	1184	1195	1186	1194	1181	1186	1172	1180	1171	1186	1205	1211
30.0	1136	1115	1126	1116	1131	1123	1133	1118	1122	1103	1111	1099	1115	1139	1145
35.0	1058	1038	1050	1042	1061	1056	1066	1050	1051	1028	1033	1020	1037	1063	1072
40.0	975	951	968	962	987	982	996	976	976	946	950	932	950	979	990
45.0	882	857	878	876	907	904	920	897	895	860	860	837	856	890	901
50.0	784	761	785	789	824	824	840	817	811	772	766	740	758	793	808
55.0	684	658	692	699	741	741	760	734	728	681	672	637	654	691	709
60.0	577	553	595	607	655	657	677	650	641	590	574	531	545	588	607
65.0	467	450	498	519	568	574	594	567	555	501	477	427	437	481	508
70.0	358	345	406	429	485	490	513	483	472	412	384	323	325	373	408
75.0	248	240	315	346	401	411	431	404	388	329	294	218	208	272	314
80.0	154	152	187	281	321	331	352	325	309	242	200	133	114	185	223
85.0	70.0	82.4	164	187	250	253	282	247	239	173	147	67.7	41.4	109	154
90.0	18.0	36.7	104	127	191	192	201	187	181	113	89.9	30.4	10.7	60.7	99.2
95.0	12.1	19.3	60.3	73.1	125	139	172	137	118	69.9	56.6	14.7	6.80	35.2	65.5
100.0	11.4	11.3	44.7	58.2	99.2	115	144	114	96.9	58.7	41.8	10.3	6.80	22.5	50.4
105.0	11.2	10.0	35.1	55.5	90.1	80.8	119	80.5	89.4	52.0	31.6	9.50	7.50	19.0	38.7
110.0	11.0	9.40	26.6	43.2	72.5	70.2	99.5	69.0	70.0	40.2	25.0	9.00	8.00	16.2	30.1
115.0	11.2	9.20	21.9	32.4	53.5	58.0	82.8	57.0	51.7	30.1	20.5	9.00	8.60	14.5	22.9
120.0	11.5	9.40	18.4	23.9	42.7	48.4	67.5	46.7	41.2	22.1	17.2	9.50	9.40	13.9	17.2
125.0	11.8	9.90	16.3	19.7	35.2	40.0	54.5	38.7	34.0	18.1	15.6	9.90	10.2	13.7	14.8
130.0	12.3	10.3	15.2	17.2	29.8	32.4	43.7	31.4	28.5	16.4	14.8	10.5	10.8	13.7	13.6
135.0	12.8	11.1	14.7	15.7	25.5	26.4	34.9	25.5	24.2	15.0	14.5	11.1	11.5	13.7	13.0
140.0	13.3	11.5	14.5	14.5	22.0	21.6	28.2	20.9	21.1	14.1	14.4	11.7	12.1	14.1	13.2
145.0	13.6	12.2	14.5	13.7	19.5	18.0	23.2	17.6	18.7	13.5	14.5	12.3	12.8	14.4	13.4
150.0	14.1	12.7	14.7	13.4	17.5	16.0	19.7	15.5	16.9	13.4	14.8	13.0	13.3	14.7	13.7
155.0	14.5	13.2	14.9	13.6	16.4	14.8	17.6	14.4	16.0	13.7	15.0	13.5	13.9	15.0	14.0
160.0	14.8	13.7	15.0	14.0	16.3	14.8	16.6	14.4	16.0	14.1	15.2	14.0	14.4	15.2	14.2
165.0	15.2	14.2	15.4	14.3	16.2	15.0	16.6	14.7	16.1	14.5	15.5	14.4	14.9	15.5	14.5
170.0	15.6	14.5	15.6	14.5	16.1	15.0	16.6	14.9	16.1	14.7	15.7	14.7	15.2	15.7	14.7
175.0	15.9	14.8	15.8	14.8	16.0	15.0	16.6	15.0	16.1	14.9	15.7	14.9	15.7	15.8	14.9
180.0	16.0	15.2	15.7	15.0	15.9	15.2	16.3	15.2	16.0	15.2	15.7	15.0	16.1	15.7	15.0

Temperature:25.3'C
Operators:
Test Date:06-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra. 0.3% Flickering. Temp 38.4C.

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4911	DIMENSION: 600x97x75	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1362	1362	1361	1361	1359	1360	1359	1360	1359
5.0	1361	1361	1363	1362	1362	1361	1360	1357	1357
10.0	1347	1348	1353	1352	1353	1349	1348	1342	1340
15.0	1321	1323	1333	1331	1334	1326	1325	1313	1312
20.0	1283	1288	1301	1299	1302	1292	1289	1272	1269
25.0	1234	1241	1258	1257	1261	1246	1241	1220	1215
30.0	1176	1184	1207	1205	1210	1191	1185	1156	1151
35.0	1107	1120	1146	1146	1150	1128	1118	1085	1077
40.0	1030	1046	1078	1077	1082	1055	1042	1004	994
45.0	949	966	1004	1002	1009	976	962	916	907
50.0	860	883	923	923	929	893	874	825	811
55.0	767	794	839	839	845	805	782	727	710
60.0	674	703	753	752	759	714	689	626	608
65.0	578	614	665	665	671	625	594	527	501
70.0	485	523	576	577	582	534	500	427	394
75.0	397	434	491	489	497	445	412	332	293
80.0	313	353	407	408	413	363	327	239	199
85.0	240	282	334	336	338	290	252	167	124
90.0	184	215	279	282	282	224	196	111	67.7
95.0	117	150	200	226	189	156	127	68.9	39.5
100.0	93.0	125	182	191	182	125	93.5	52.2	24.0
105.0	91.6	119	135	161	138	119	94.1	41.9	19.3
110.0	74.6	91.6	116	137	117	94.1	78.3	32.6	16.5
115.0	58.6	66.7	99.0	114	99.9	68.8	61.6	25.5	14.4
120.0	43.2	52.9	83.4	92.7	84.4	55.0	46.0	19.5	13.5
125.0	33.0	43.2	70.4	74.6	71.2	45.1	35.4	15.5	13.3
130.0	27.0	35.2	57.7	58.2	58.7	36.7	28.7	13.9	13.4
135.0	23.1	28.4	45.5	43.7	46.5	29.9	24.1	13.0	13.5
140.0	19.7	22.7	35.1	33.5	35.9	23.9	20.6	13.2	13.9
145.0	17.4	18.2	27.2	24.7	28.0	19.1	18.0	13.5	14.1
150.0	16.9	15.4	21.6	19.0	22.3	15.8	17.2	13.6	14.4
155.0	16.6	15.0	18.7	16.1	19.0	15.4	16.6	13.7	14.5
160.0	16.5	15.0	18.0	15.8	18.2	15.2	16.3	14.0	14.9
165.0	16.3	15.0	17.4	15.6	17.7	14.9	16.1	14.3	15.2
170.0	16.1	14.9	16.9	15.4	17.1	14.8	16.0	14.5	15.4
175.0	16.1	15.0	16.5	15.4	16.5	14.9	16.1	14.9	15.6
180.0	15.9	15.0	16.3	15.5	16.3	15.2	16.0	15.2	15.7

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