

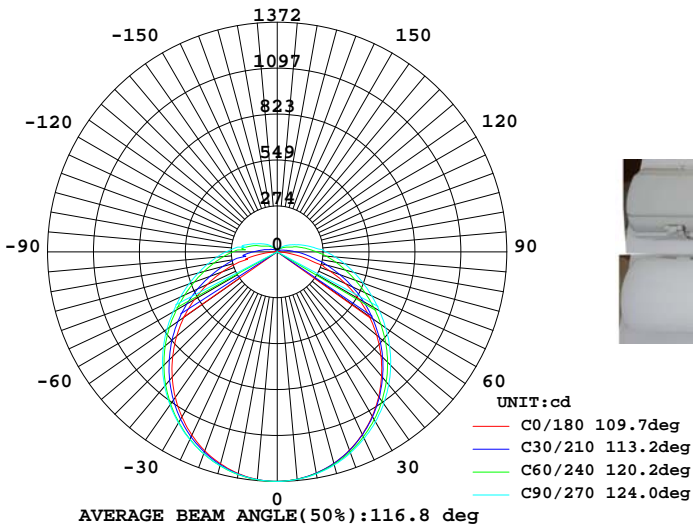
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Standard 4000K Matovii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4039	DIMENSION: 1270x120x90mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1372	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.28
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4678.2	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	124.9	Current(A)	0.180
NOMINAL FLUX(lm)	4678.2	η up(%)	8.1	Power(W)	37.45
LAMPS QUANTITY	1	η down(%)	91.9	Power Factor(PF)	0.942
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4678.1	EEL	0.109

LUMINOUS INTENSITY DISTRIBUTION



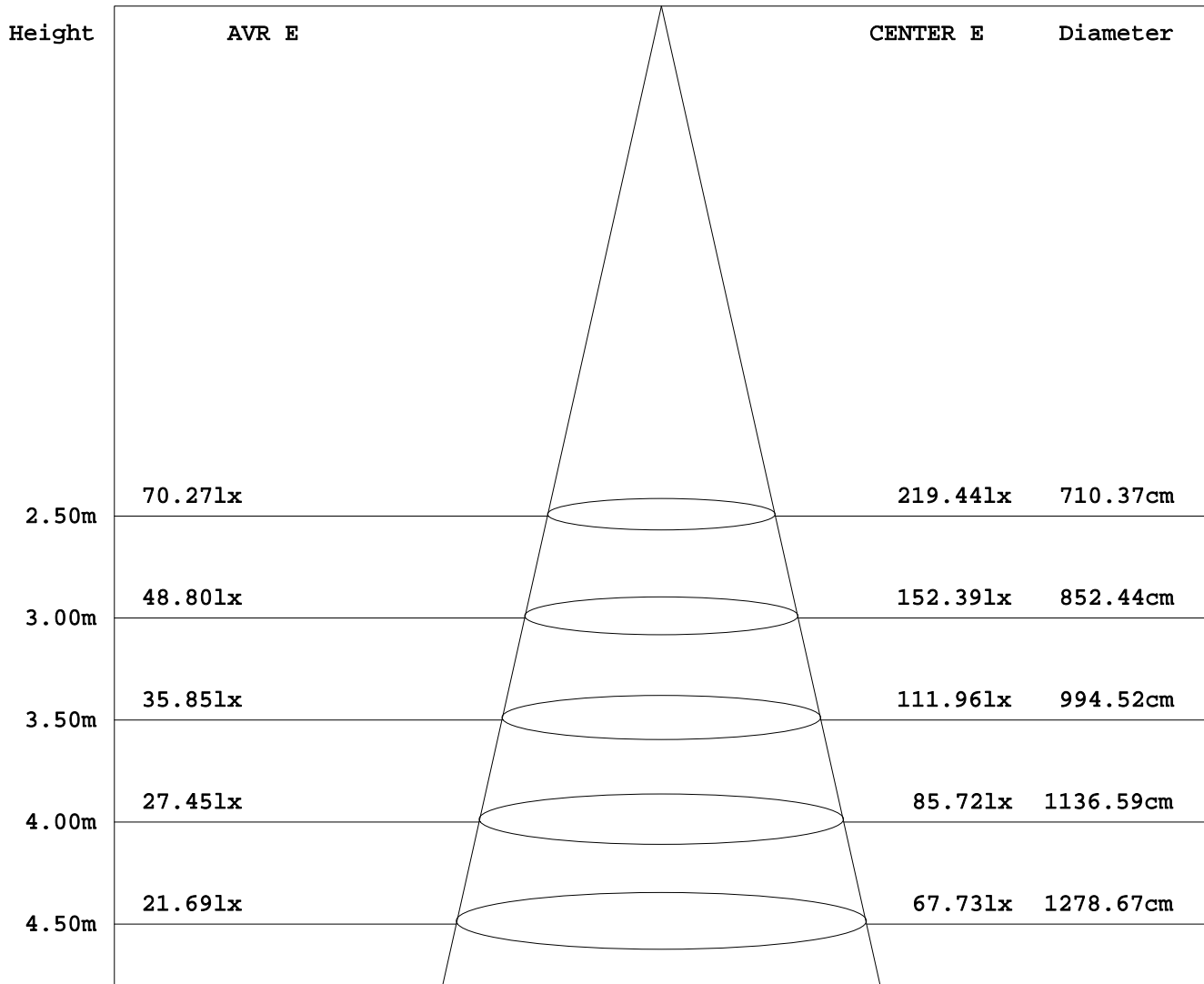
Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 1.2% Flickering

AVERAGE AND CENTER E Figure

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Angle: 109.7deg

Temperature: 25.3°C
 Operators:
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Humidity: 65.0%
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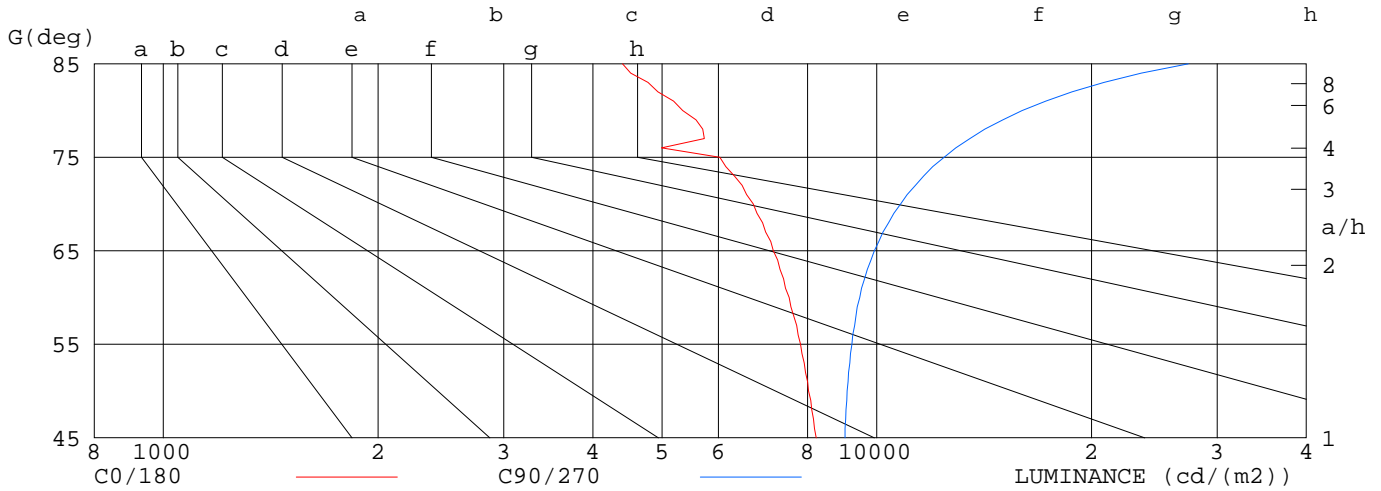
LUMINANCE LIMITATION CURVES

Report number:

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SPECIFICATION:	CCT(K): 4039	DIMENSION: 1270x120x90mm	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		a	b	c	d	e	f	g	h
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



G(deg)	LUMINANCE cd/m2	
	C0/180	C90/270
85	4401	27333
80	5346	15984
75	6027	12427
70	6713	10799
65	7162	9919
60	7537	9464
55	7818	9228
50	8025	9086
45	8223	9025

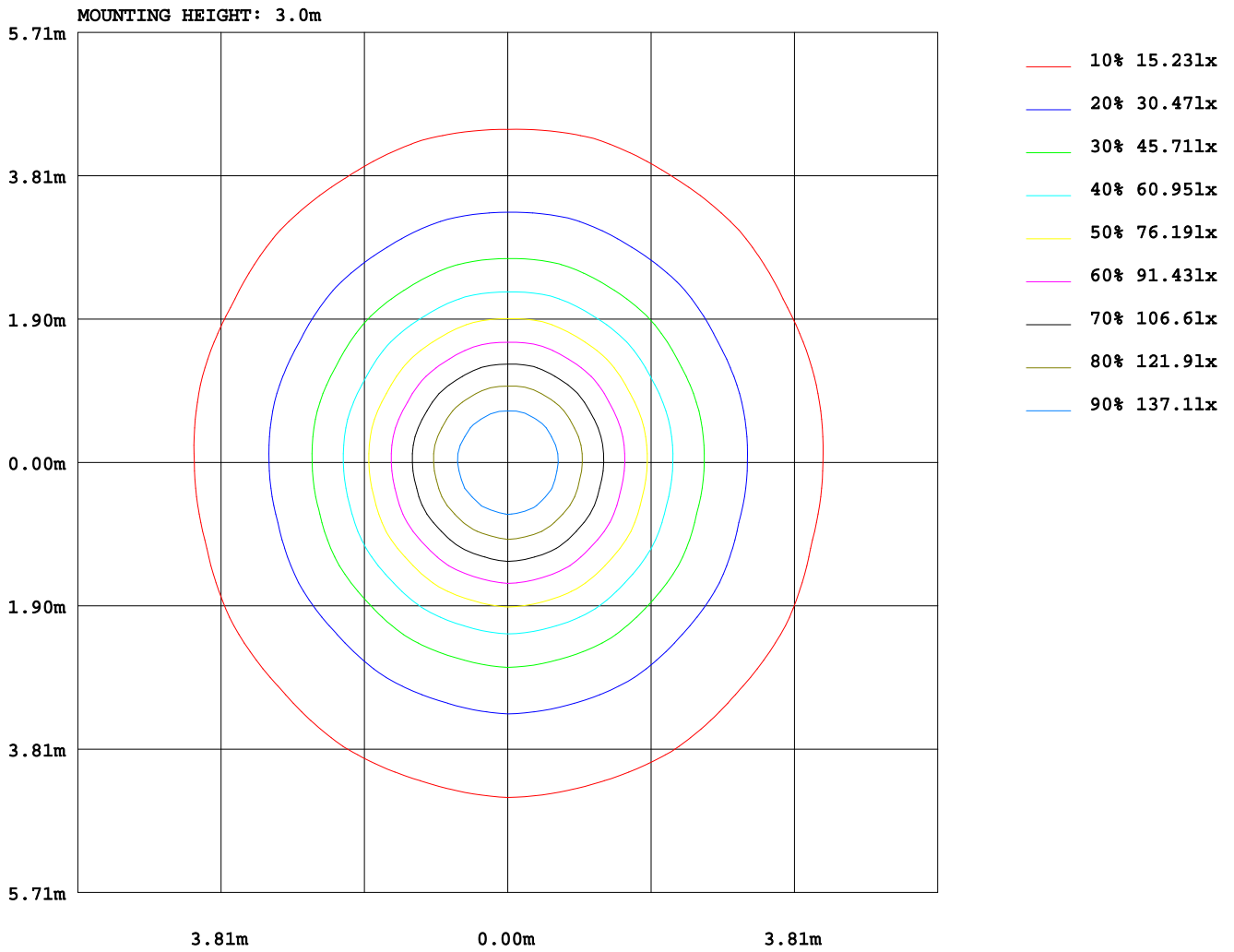
Temperature: 25.3 'C
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ISOLUX DIAGRAM

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UGR Table

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Address:										
NAME: LSP 40Å Standart 4000K Matovii					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 4039			DIMENSION: 1270x120x90mm			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	19.3	20.7	19.6	21.1	21.4	20.2	21.7	20.6	22.0	22.4
3H	20.7	22.0	21.1	22.4	22.8	22.4	23.7	22.8	24.1	24.5
4H	21.2	22.5	21.6	22.9	23.3	23.5	24.8	24.0	25.2	25.6
6H	21.6	22.8	22.0	23.2	23.6	24.8	26.0	25.2	26.4	26.9
8H	21.7	22.9	22.1	23.3	23.7	25.5	26.7	25.9	27.1	27.5
12H	21.7	22.9	22.2	23.3	23.8	26.3	27.4	26.8	27.9	28.3
4H 2H	20.1	21.4	20.5	21.7	22.2	20.8	22.1	21.2	22.5	22.9
3H	21.7	22.9	22.2	23.3	23.8	23.2	24.3	23.7	24.8	25.2
4H	22.4	23.5	22.9	23.9	24.4	24.5	25.6	25.0	26.0	26.5
6H	22.9	23.9	23.4	24.3	24.9	26.0	26.9	26.5	27.4	28.0
8H	23.1	24.0	23.6	24.5	25.0	26.8	27.7	27.4	28.2	28.8
12H	23.2	24.0	23.8	24.5	25.1	27.8	28.6	28.3	29.1	29.7
8H 4H	23.1	24.0	23.6	24.5	25.0	24.9	25.7	25.4	26.2	26.8
6H	23.9	24.6	24.5	25.2	25.8	26.6	27.4	27.2	27.9	28.5
8H	24.2	24.9	24.8	25.4	26.1	27.6	28.3	28.2	28.9	29.5
12H	24.5	25.0	25.1	25.6	26.3	28.8	29.4	29.4	30.0	30.6
12H 4H	23.3	24.1	23.9	24.6	25.2	24.9	25.7	25.4	26.2	26.8
6H	24.3	24.9	24.9	25.5	26.1	26.7	27.4	27.3	27.9	28.6
8H	24.7	25.3	25.3	25.9	26.5	27.9	28.4	28.5	29.0	29.7
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 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4678 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.4)

Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1372	1371	1371	1372	1372	1371	1371	1370	1370	1370	1371	1370	1372	1371	1371
5.0	1365	1363	1366	1365	1367	1365	1366	1362	1363	1361	1363	1361	1364	1365	1363
10.0	1345	1342	1348	1346	1351	1348	1350	1343	1345	1340	1343	1340	1343	1346	1342
15.0	1311	1306	1317	1315	1323	1319	1322	1312	1314	1305	1310	1304	1308	1314	1308
20.0	1265	1260	1273	1273	1284	1280	1284	1272	1273	1261	1265	1256	1261	1269	1263
25.0	1208	1201	1220	1219	1235	1231	1237	1221	1222	1205	1209	1196	1203	1211	1206
30.0	1139	1132	1155	1156	1177	1173	1181	1162	1161	1139	1143	1126	1134	1145	1138
35.0	1061	1056	1081	1086	1110	1108	1116	1097	1093	1067	1067	1048	1057	1069	1064
40.0	977	969	1001	1007	1038	1035	1047	1022	1019	987	986	961	970	984	980
45.0	884	876	913	922	958	956	970	942	938	900	896	866	876	894	889
50.0	784	779	820	834	873	875	888	860	851	811	801	769	777	796	796
55.0	682	676	725	741	787	789	805	773	763	716	705	664	671	693	697
60.0	573	569	625	646	697	702	719	686	673	621	604	556	561	589	596
65.0	460	462	525	554	609	620	637	604	585	528	502	449	451	481	497
70.0	349	355	428	465	529	541	561	526	505	439	405	340	337	373	398
75.0	237	244	337	384	453	468	489	453	430	358	313	227	215	272	307
80.0	141	158	258	314	383	402	422	388	361	289	234	141	118	184	224
85.0	58.2	92.0	198	246	322	341	362	328	301	222	175	75.9	39.7	110	162
90.0	17.1	51.4	145	193	267	285	306	274	247	172	124	38.4	7.90	62.5	114
95.0	14.7	31.2	105	151	213	232	256	221	203	132	87.5	22.7	8.29	37.2	80.0
100.0	14.0	20.8	77.9	117	180	189	214	179	164	101	63.2	15.9	8.80	26.8	57.2
105.0	13.6	17.0	53.5	88.3	145	153	176	144	131	74.9	43.2	12.7	9.30	20.4	41.1
110.0	13.4	13.7	45.0	60.6	103	114	142	106	91.5	52.7	37.2	11.1	9.80	17.4	32.1
115.0	13.2	11.2	36.0	50.1	83.0	91.3	116	85.5	74.5	43.5	29.6	10.2	10.3	15.2	24.9
120.0	13.3	10.5	29.1	42.8	70.7	76.5	96.2	71.5	63.8	36.3	23.7	10.4	10.7	13.9	20.2
125.0	13.2	10.8	23.9	35.2	59.5	64.0	79.6	59.3	53.2	29.6	19.6	10.7	11.0	13.5	16.9
130.0	13.2	11.1	18.9	28.2	48.8	52.1	65.2	48.2	43.3	23.4	16.7	11.1	11.3	13.4	13.9
135.0	13.2	11.4	16.3	22.4	39.5	41.2	52.1	38.1	34.7	18.6	15.0	11.4	11.5	13.5	11.9
140.0	13.2	11.5	14.8	17.2	31.4	32.0	40.7	29.4	27.5	14.9	14.5	11.7	11.9	13.5	11.5
145.0	13.2	11.7	14.5	13.2	24.6	24.0	30.8	22.0	21.5	13.2	14.5	12.1	12.2	13.6	11.8
150.0	13.3	11.9	14.4	12.9	19.1	17.7	23.1	16.3	17.2	13.3	14.7	12.5	12.5	13.7	12.2
155.0	13.6	12.4	14.4	12.9	16.5	14.7	18.0	14.3	16.4	13.5	14.8	12.9	13.0	14.0	12.5
160.0	13.7	12.8	14.5	13.0	16.0	14.3	17.1	14.2	16.1	13.6	14.8	13.4	13.4	14.3	12.9
165.0	14.3	13.2	14.5	13.3	15.5	14.2	16.5	14.1	15.8	13.7	14.8	13.7	14.1	14.7	13.0
170.0	14.7	13.6	14.7	13.5	15.2	14.0	16.3	14.1	15.6	13.7	15.0	14.0	14.5	15.0	13.6
175.0	15.0	14.0	14.9	13.7	15.2	13.7	16.0	14.1	15.4	14.2	15.0	14.1	14.9	15.0	14.1
180.0	15.2	14.5	15.0	14.3	15.4	14.2	16.0	14.3	15.2	14.2	14.9	14.3	15.2	15.0	14.3

Temperature: 25.3 °C
 Operators:
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Humidity: 65.0%
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 Remarks: 82Ra 1.2% Flickering

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UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1372	1372	1371	1371	1370	1370	1370	1371	1370
5.0	1366	1364	1366	1365	1366	1365	1366	1364	1364
10.0	1347	1345	1349	1347	1351	1348	1350	1345	1346
15.0	1316	1313	1321	1318	1324	1318	1322	1312	1315
20.0	1274	1272	1282	1278	1287	1279	1281	1268	1271
25.0	1220	1219	1233	1230	1239	1228	1229	1213	1215
30.0	1158	1158	1177	1173	1184	1168	1169	1147	1149
35.0	1087	1090	1111	1109	1120	1102	1099	1074	1073
40.0	1008	1014	1039	1037	1048	1027	1022	992	989
45.0	926	932	962	958	972	946	941	902	900
50.0	835	847	879	877	890	862	851	810	802
55.0	742	757	792	791	803	772	759	711	700
60.0	649	666	707	705	719	682	666	610	596
65.0	555	580	623	624	634	595	571	511	488
70.0	465	498	545	547	555	511	481	411	381
75.0	386	422	474	474	483	435	400	319	279
80.0	314	355	406	409	415	367	326	234	189
85.0	251	294	345	347	353	305	262	170	114
90.0	202	235	290	292	298	244	210	120	65.4
95.0	157	190	241	238	247	198	166	85.1	39.0
100.0	122	151	201	195	206	158	130	61.1	28.0
105.0	95.0	119	163	158	169	125	101	43.9	21.1
110.0	69.8	84.8	127	126	131	88.5	74.2	34.4	18.1
115.0	54.1	68.5	99.4	102	102	72.0	57.0	26.6	15.8
120.0	45.5	56.5	82.5	83.7	84.6	59.2	48.2	21.9	14.1
125.0	37.5	46.5	68.8	68.8	71.0	49.2	40.2	18.5	13.5
130.0	30.5	37.5	56.9	55.2	58.9	40.0	33.0	15.2	13.3
135.0	24.6	29.6	45.8	43.5	47.7	32.0	27.0	12.7	13.3
140.0	19.7	23.1	36.1	33.5	37.9	25.2	21.7	11.5	13.2
145.0	16.3	17.8	28.0	25.2	29.6	19.4	17.2	11.5	13.0
150.0	15.0	13.7	21.2	18.4	22.5	14.8	15.2	11.8	13.0
155.0	14.9	13.0	16.6	13.9	17.4	13.3	14.5	12.1	13.3
160.0	14.9	13.0	15.9	13.5	16.2	13.0	14.5	12.4	13.5
165.0	14.8	13.2	15.5	13.6	15.9	13.0	14.4	12.7	13.7
170.0	14.8	13.4	15.2	13.7	15.5	13.0	14.4	13.0	14.1
175.0	15.2	13.9	15.2	14.0	15.0	13.3	14.5	13.6	14.5
180.0	15.2	14.4	15.2	14.8	15.2	14.4	15.0	14.3	14.8

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