

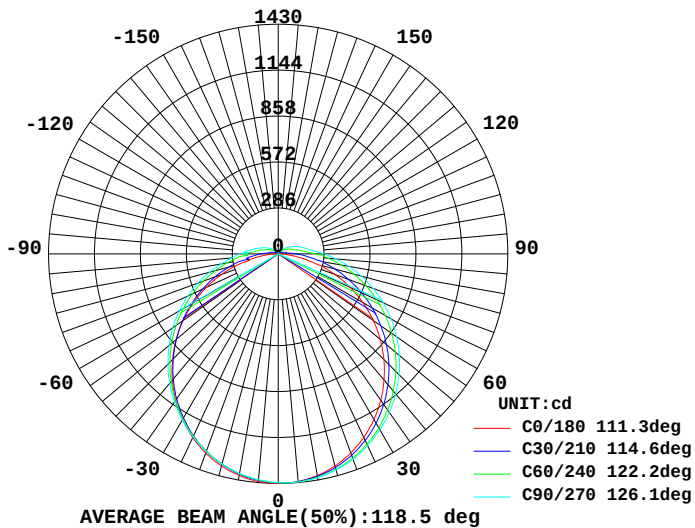
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 970 40W Standart 5000K Matovii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4850	DIMENSION: 970x120x90mm	SERIAL No.:

DATA OF LAMP		Imax(cd)	1430	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4823.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	127.7	Current(A)	0.181
NOMINAL FLUX(lm)	4823.3	η up(%)	6.8	Power(W)	37.77
LAMPS QUANTITY	1	η down(%)	93.2	Power Factor(PF)	0.944
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4823.3	EEI	0.107

LUMINOUS INTENSITY DISTRIBUTION



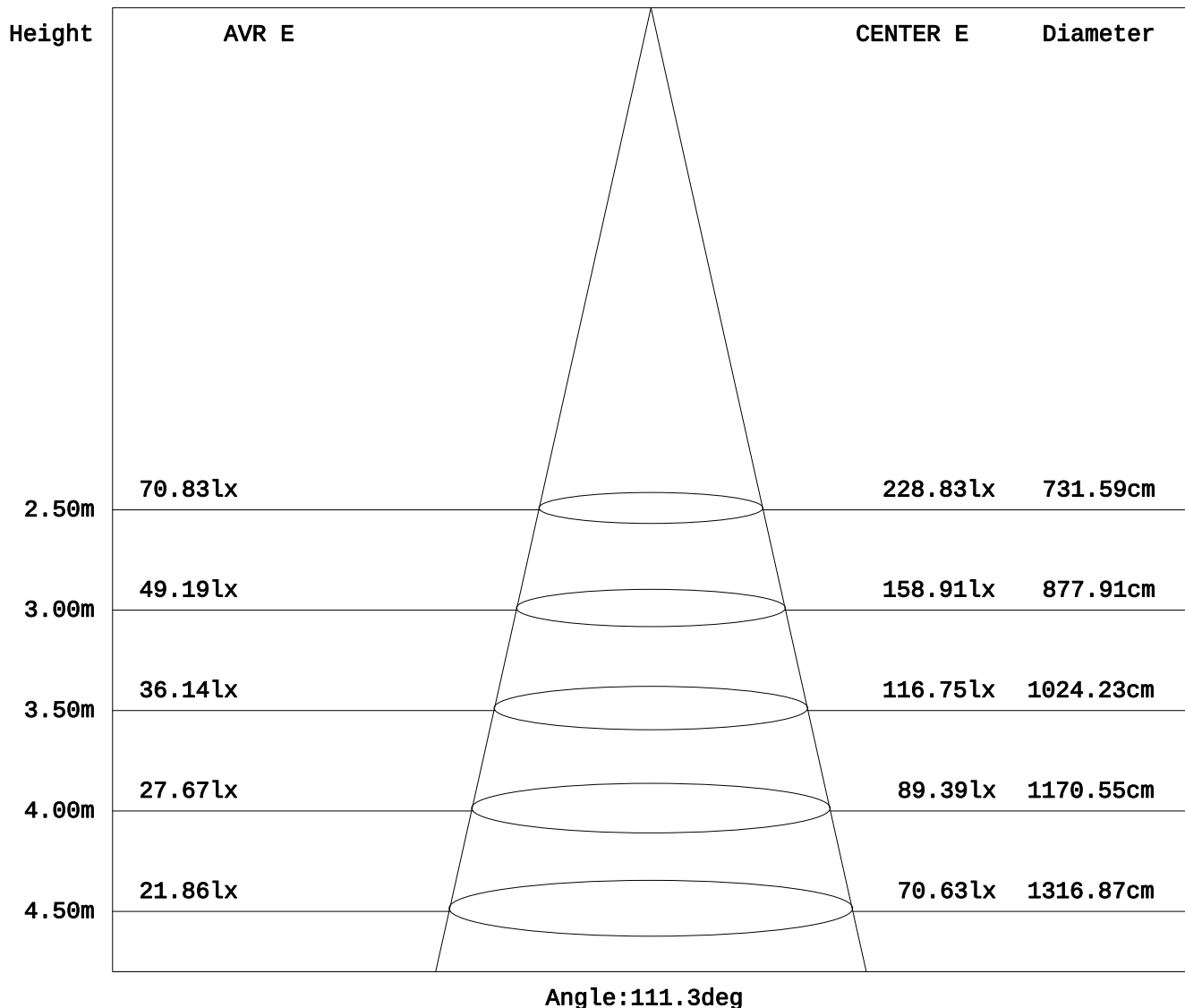
Temperature: 25.3'C
Operators:
Test Date: 06-17-2020

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

AVERAGE AND CENTER E Figure

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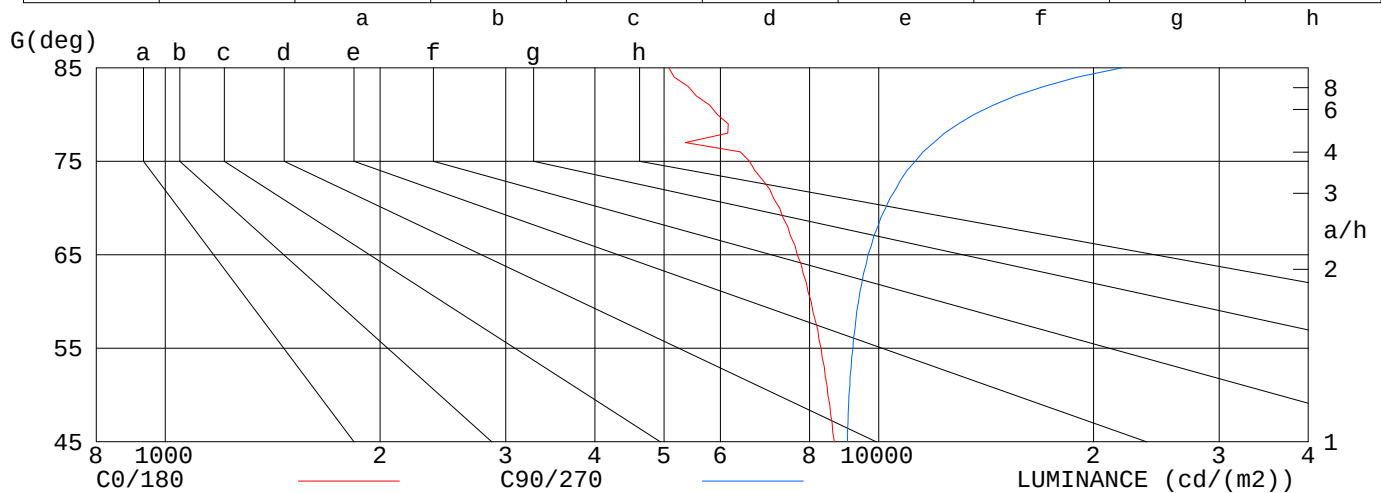
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 970 40W Standard 5000K Matovii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4850	DIMENSION: 970x120x90mm	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	5080	21913
80	5941	13590
75	6591	11250
70	7261	10224
65	7689	9659
60	8041	9367
55	8301	9200
50	8486	9082
45	8668	9041

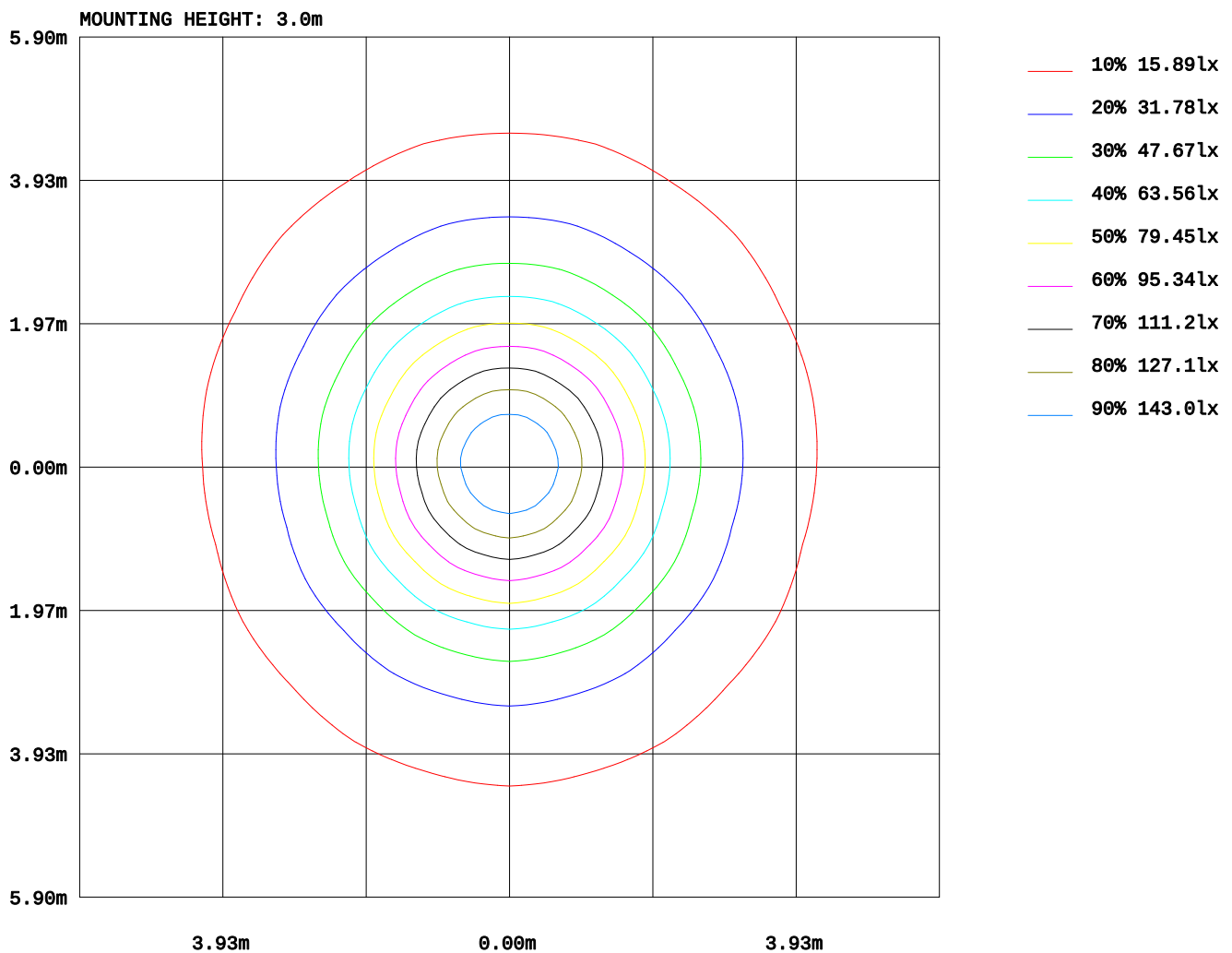
Temperature:25.3'C
Operators:
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ISOLUX DIAGRAM

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UGR Table

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NAME: LSP 970 40° Standart 5000K Matovii			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4850	DIMENSION: 970x120x90mm		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	20.8	19.7	21.1	21.5	20.1	21.5	20.4	21.9	22.2
3H	20.8	22.2	21.2	22.5	22.9	22.1	23.4	22.5	23.8	24.2
4H	21.4	22.7	21.8	23.0	23.4	23.1	24.4	23.5	24.8	25.2
6H	21.7	22.9	22.1	23.3	23.8	24.1	25.4	24.6	25.8	26.2
8H	21.8	23.0	22.3	23.4	23.9	24.7	25.9	25.1	26.3	26.7
12H	21.9	23.1	22.4	23.5	23.9	25.3	26.5	25.8	26.9	27.4
4H 2H	20.1	21.4	20.5	21.7	22.1	20.6	21.9	21.0	22.3	22.7
3H	21.7	22.9	22.2	23.3	23.8	22.9	24.0	23.3	24.4	24.9
4H	22.4	23.5	22.9	23.9	24.4	24.1	25.1	24.5	25.5	26.0
6H	22.9	23.9	23.4	24.3	24.8	25.3	26.2	25.8	26.7	27.2
8H	23.1	24.0	23.6	24.4	25.0	26.0	26.8	26.5	27.3	27.9
12H	23.2	24.0	23.7	24.5	25.1	26.7	27.5	27.3	28.0	28.6
8H 4H	23.0	23.9	23.5	24.3	24.9	24.3	25.2	24.9	25.7	26.2
6H	23.7	24.4	24.2	24.9	25.5	25.8	26.6	26.4	27.1	27.7
8H	24.0	24.6	24.5	25.2	25.8	26.7	27.4	27.3	27.9	28.5
12H	24.2	24.8	24.8	25.3	26.0	27.7	28.3	28.3	28.8	29.5
12H 4H	23.1	23.9	23.6	24.4	25.0	24.4	25.2	24.9	25.7	26.2
6H	23.9	24.6	24.5	25.1	25.7	25.9	26.6	26.5	27.1	27.7
8H	24.3	24.9	24.9	25.5	26.1	26.9	27.4	27.4	28.0	28.6

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 4823 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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SPECIFICATION:	CCT(K): 4850	DIMENSION: 970x120x90mm	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	1430	1427	1426	1425	1426	1425	1425	1424	1424	1424	1425	1424	1430	1427	1426
5.0	1423	1416	1416	1412	1414	1411	1413	1411	1413	1412	1415	1414	1424	1424	1424
10.0	1402	1392	1394	1386	1391	1385	1390	1385	1390	1387	1392	1390	1402	1406	1406
15.0	1368	1354	1357	1348	1354	1349	1355	1349	1355	1349	1357	1353	1367	1377	1377
20.0	1320	1305	1308	1300	1308	1303	1310	1303	1309	1302	1310	1305	1321	1334	1336
25.0	1262	1243	1251	1240	1254	1247	1258	1247	1254	1242	1252	1244	1262	1278	1283
30.0	1192	1171	1181	1171	1189	1182	1195	1183	1189	1173	1183	1173	1192	1214	1218
35.0	1113	1091	1103	1096	1116	1113	1126	1114	1117	1098	1105	1094	1114	1138	1146
40.0	1027	1001	1018	1012	1039	1035	1052	1035	1040	1014	1021	1005	1026	1054	1064
45.0	932	904	925	922	955	952	972	952	955	924	929	908	931	964	974
50.0	829	803	828	830	866	868	887	868	866	832	831	809	831	866	880
55.0	724	695	728	733	777	779	802	779	777	735	732	702	723	761	780
60.0	611	584	624	635	684	688	712	687	683	636	627	590	610	655	676
65.0	494	473	519	538	590	597	621	597	588	538	521	478	496	543	573
70.0	378	360	419	441	498	505	532	505	496	440	419	364	377	429	467
75.0	259	243	319	347	407	416	443	415	405	345	318	244	248	320	365
80.0	157	151	187	256	322	335	359	333	319	252	187	149	142	184	286
85.0	67.2	78.6	161	188	253	274	290	275	249	183	155	72.5	53.8	132	178
90.0	18.6	39.8	111	145	208	217	244	214	204	139	103	32.2	8.40	68.5	113
95.0	13.4	22.1	66.5	97.1	159	168	199	166	159	99.0	66.1	16.9	5.90	35.4	60.6
100.0	11.8	13.9	55.0	77.7	126	137	162	135	127	78.1	51.5	11.3	6.40	22.9	53.6
105.0	11.5	11.4	42.0	66.3	93.6	103	135	105	99.0	62.8	37.0	9.30	7.00	18.6	41.5
110.0	11.4	10.0	30.7	44.6	78.7	85.6	112	87.3	79.9	43.5	27.4	8.70	7.60	15.7	29.6
115.0	11.4	9.50	23.5	34.2	64.0	69.8	92.4	70.2	63.5	32.7	21.0	8.70	8.29	14.0	21.4
120.0	11.5	9.60	19.9	27.4	49.5	57.2	74.9	55.9	49.7	25.7	17.9	9.09	8.90	13.3	18.0
125.0	11.7	9.90	17.4	22.6	39.8	45.6	59.7	44.2	39.5	20.9	15.8	9.50	9.50	12.9	15.9
130.0	12.0	10.2	15.5	18.5	33.2	34.0	47.0	34.2	31.9	17.0	14.5	9.90	10.0	13.0	14.0
135.0	12.3	10.5	14.4	15.5	26.8	26.4	36.2	26.3	25.6	14.3	13.9	10.4	10.5	13.0	12.8
140.0	12.5	10.8	13.9	13.5	21.7	21.0	28.5	20.2	20.7	12.7	13.9	10.7	11.1	13.3	12.1
145.0	12.8	11.1	13.7	12.1	18.0	16.5	22.2	16.0	17.2	12.3	13.7	11.2	11.5	13.4	12.1
150.0	13.0	11.5	13.7	12.2	15.6	13.9	17.9	13.4	15.4	12.3	13.7	11.5	12.1	13.6	12.3
155.0	13.2	11.8	13.7	12.3	15.0	13.3	16.0	13.0	15.0	12.5	13.7	12.0	12.4	13.7	12.4
160.0	13.5	12.2	13.7	12.5	14.8	13.4	15.5	13.0	14.8	12.6	13.7	12.3	12.8	13.9	12.6
165.0	13.7	12.5	13.7	12.7	14.7	13.3	15.0	13.0	14.5	12.7	13.7	12.6	13.2	13.9	12.8
170.0	13.9	12.7	13.7	12.8	14.5	13.2	14.9	13.0	14.3	12.8	13.9	12.8	13.5	13.9	12.9
175.0	14.0	12.9	13.9	12.9	14.3	13.2	14.8	13.0	14.2	13.0	13.9	12.9	13.7	13.9	12.9
180.0	14.0	13.2	13.7	13.0	14.1	13.4	14.5	13.4	14.1	13.2	13.7	13.2	14.1	13.7	13.0

Temperature:25.3'C
Operators:
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Test Distance:10.000 m
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	1425	1426	1425	1425	1424	1424	1424	1425	1424
5.0	1426	1426	1427	1426	1426	1424	1424	1421	1420
10.0	1413	1413	1417	1415	1417	1412	1410	1403	1402
15.0	1388	1389	1397	1394	1396	1388	1385	1373	1372
20.0	1352	1355	1365	1362	1364	1351	1348	1331	1327
25.0	1303	1308	1323	1319	1322	1305	1299	1277	1271
30.0	1246	1253	1271	1266	1270	1248	1242	1212	1207
35.0	1177	1188	1211	1207	1209	1185	1172	1139	1131
40.0	1101	1115	1142	1138	1140	1111	1096	1057	1046
45.0	1019	1036	1069	1064	1067	1031	1015	967	956
50.0	930	953	989	985	987	948	925	873	857
55.0	837	863	904	900	901	859	832	773	753
60.0	743	771	817	812	815	766	737	668	646
65.0	644	678	726	722	724	673	639	565	533
70.0	546	583	634	630	631	578	540	459	420
75.0	451	488	543	537	541	484	445	357	311
80.0	357	399	451	448	449	394	351	254	196
85.0	271	313	365	362	362	309	266	172	124
90.0	202	232	290	288	288	229	200	110	63.4
95.0	137	169	190	223	190	175	147	70.9	35.7
100.0	103	135	184	185	186	141	115	57.5	23.9
105.0	94.8	101	149	156	153	112	99.5	43.2	19.2
110.0	68.6	87.0	123	132	130	93.9	75.0	31.9	16.1
115.0	53.7	71.3	104	110	109	76.3	58.6	23.9	14.3
120.0	43.7	57.5	86.4	90.1	89.4	61.4	47.0	19.5	13.6
125.0	35.2	46.5	71.8	72.6	73.0	49.2	37.7	16.5	13.2
130.0	29.4	37.5	58.4	57.2	59.1	38.9	30.8	14.3	13.2
135.0	24.7	30.1	46.5	44.2	46.9	30.7	25.5	12.8	13.2
140.0	21.0	24.0	35.7	32.7	36.5	24.2	21.0	11.9	13.2
145.0	17.8	18.7	28.5	25.4	28.9	19.0	17.6	11.9	13.3
150.0	15.6	15.2	22.1	19.0	22.5	15.4	15.4	12.1	13.4
155.0	15.0	13.2	18.0	15.0	18.2	13.4	14.9	12.4	13.5
160.0	14.9	13.0	16.0	13.6	16.4	13.0	14.8	12.6	13.6
165.0	14.7	13.0	15.6	13.6	15.8	13.2	14.5	12.8	13.7
170.0	14.5	13.0	15.0	13.6	15.2	13.2	14.5	12.9	13.7
175.0	14.3	13.0	14.9	13.5	14.9	13.2	14.3	13.0	13.7
180.0	14.1	13.3	14.5	13.7	14.5	13.4	14.1	13.2	13.7

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