

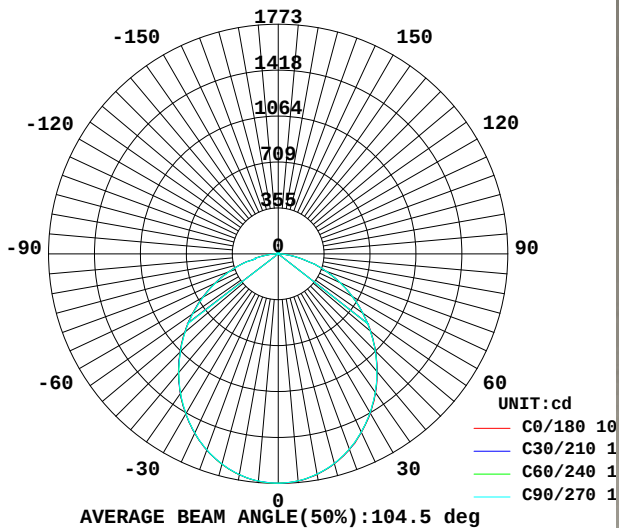
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office 40W 5000K IP54 82Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4907	DIMENSION: 595x595x45	SERIAL No.:

DATA OF LAMP		Imax(cd)	1773	S/MH(C0/180)	1.20
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.20
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	4642.7	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	118.9	Current(A)	0.186
NOMINAL FLUX(lm)	4642.7	η up(%)	1.4	Power(W)	39.04
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.948
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4642.7	EEI	0.115

LUMINOUS INTENSITY DISTRIBUTION



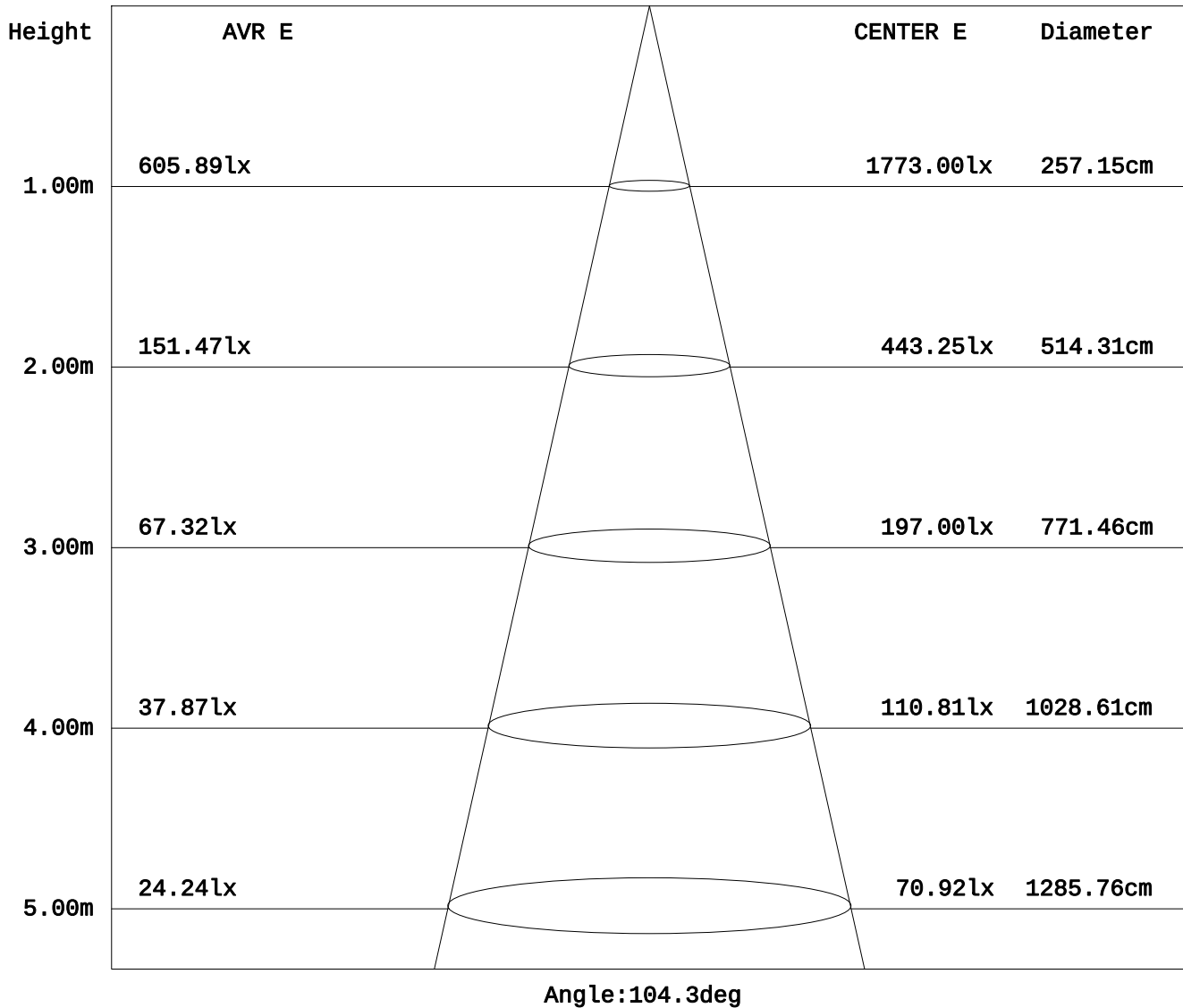
Temperature: 25.3°C
Operators:
Test Date: 06-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 82Ra. 0.7% Flickering. Temp 27.6C.

AVERAGE AND CENTER E Figure

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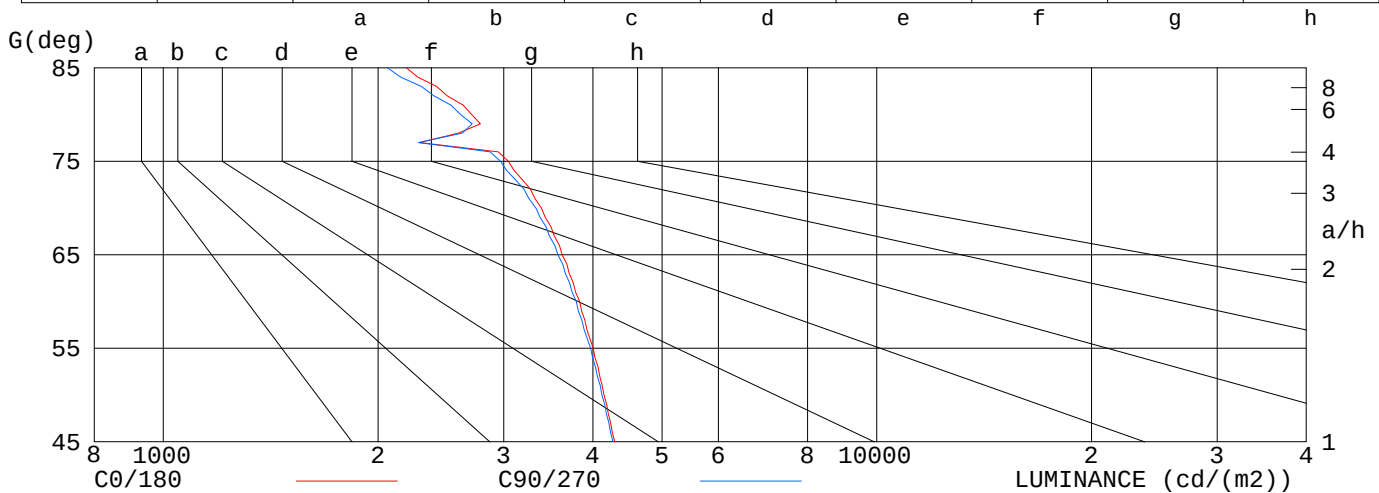
LUMINANCE LIMITATION CURVES

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SPECIFICATION:	CCT(K): 4907	DIMENSION: 595x595x45	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	2191	2061
80	2705	2611
75	3046	2969
70	3388	3329
65	3623	3573
60	3833	3790
55	4005	3971
50	4146	4118
45	4293	4269

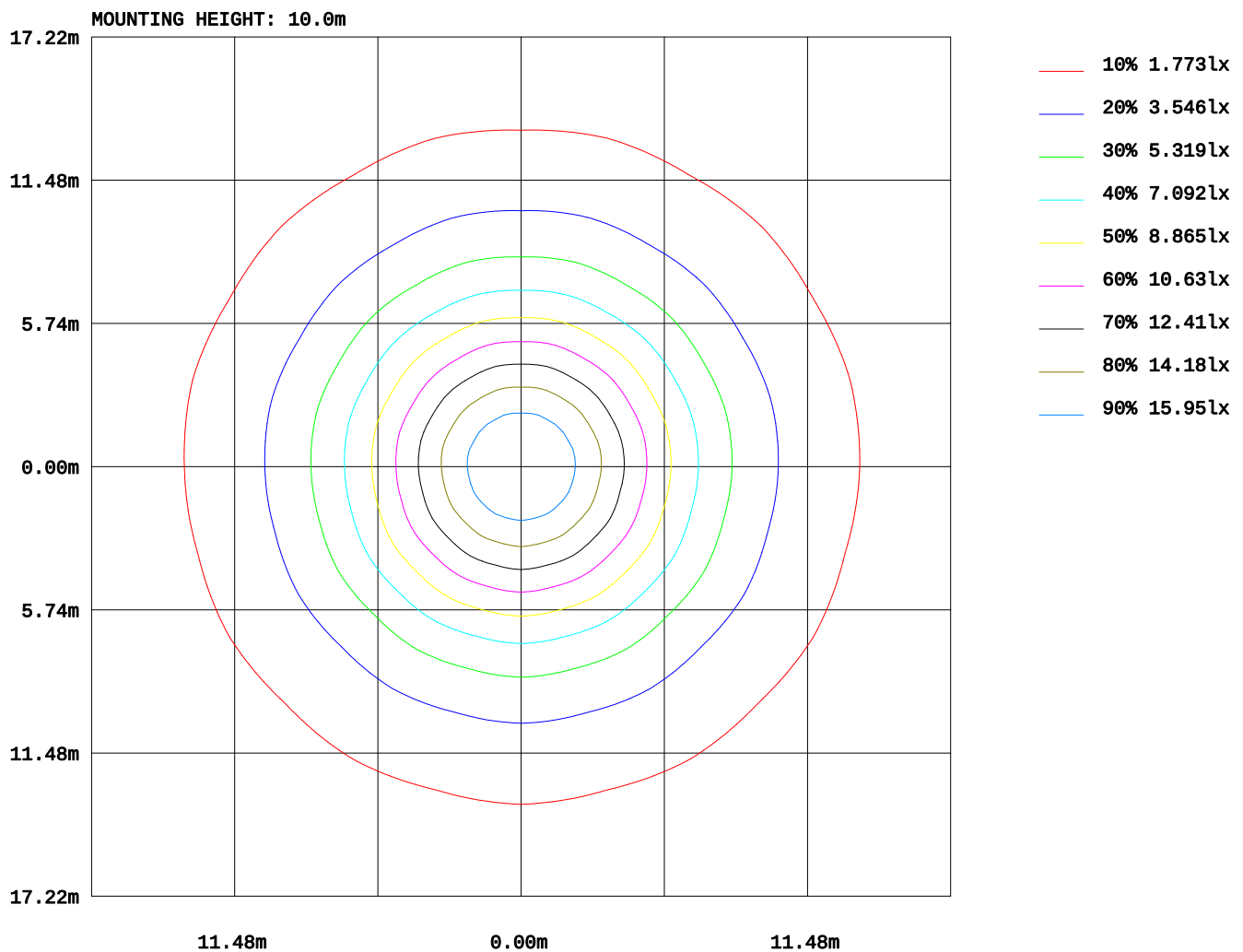
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ISOLUX DIAGRAM

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UGR Table

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Address:										
NAME: Office 40W 5000K IP54 82Ra Opal						TYPE:		WEIGHT:		
SPECIFICATION:			CCT(K): 4907			DIMENSION: 595x595x45			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				
x = 2H y = 2H						17.4	18.9	17.7	19.1	19.4
3H						18.8	20.1	19.1	20.4	20.7
4H						19.3	20.6	19.6	20.9	21.2
6H						19.6	20.8	20.0	21.1	21.4
8H						19.7	20.9	20.1	21.2	21.5
12H						19.7	20.9	20.1	21.2	21.5
4H 2H						18.0	19.3	18.3	19.5	19.8
3H						19.5	20.7	19.9	21.0	21.3
4H						20.2	21.2	20.6	21.5	21.9
6H						20.5	21.4	20.9	21.8	22.2
8H						20.7	21.5	21.1	21.9	22.3
12H						20.7	21.5	21.2	21.9	22.3
8H 4H						20.3	21.2	20.8	21.6	22.0
6H						20.9	21.6	21.3	22.0	22.4
8H						21.0	21.7	21.5	22.1	22.6
12H						21.1	21.7	21.6	22.1	22.7
12H 4H						20.3	21.1	20.8	21.5	22.0
6H						20.9	21.5	21.4	22.0	22.4
8H						21.1	21.6	21.6	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H		+ 0.2 / - 0.3				+ 0.2 / - 0.3				
1.5H		+ 0.1 / - 0.2				+ 0.1 / - 0.2				
2.0H		+ 0.3 / - 0.4				+ 0.3 / - 0.4				

CIE Pub.117 Corrected 4643 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

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

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Humidity:65.0%
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Remarks: 82Ra. 0.7% Flickering. Temp 27.6C.

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	1773	1771	1771	1771	1771	1771	1771	1770	1771	1771	1771	1771	1773	1771	1771
5.0	1762	1760	1762	1759	1761	1758	1761	1758	1761	1758	1761	1758	1762	1763	1759
10.0	1731	1726	1731	1726	1731	1725	1730	1725	1730	1724	1729	1724	1731	1733	1727
15.0	1682	1672	1681	1672	1681	1671	1679	1671	1680	1670	1680	1670	1678	1685	1675
20.0	1613	1602	1612	1602	1611	1601	1610	1600	1609	1600	1610	1600	1609	1616	1607
25.0	1527	1515	1526	1514	1525	1513	1524	1512	1523	1512	1524	1512	1521	1532	1519
30.0	1429	1412	1428	1411	1428	1410	1426	1409	1425	1408	1426	1410	1422	1434	1419
35.0	1318	1302	1317	1301	1315	1299	1314	1297	1313	1297	1314	1299	1311	1325	1308
40.0	1201	1180	1199	1178	1197	1176	1196	1175	1195	1175	1196	1176	1191	1206	1188
45.0	1075	1051	1072	1049	1070	1047	1069	1045	1068	1046	1069	1048	1063	1083	1060
50.0	944	922	942	919	939	917	937	916	936	916	939	919	934	952	931
55.0	813	788	811	784	808	782	806	781	805	781	808	784	799	820	797
60.0	678	654	676	651	673	649	671	647	670	648	672	651	663	688	661
65.0	542	517	540	514	536	511	535	510	533	510	536	514	530	552	529
70.0	410	382	408	379	404	376	403	375	402	375	404	378	395	418	394
75.0	279	244	277	241	274	239	272	237	271	237	273	240	253	290	253
80.0	166	128	164	125	162	124	161	122	159	122	161	124	138	176	139
85.0	67.5	38.2	66.3	37.0	64.8	36.0	63.5	35.0	62.6	34.9	63.5	35.9	45.2	73.4	46.2
90.0	13.6	3.50	13.4	3.50	13.2	3.50	13.0	3.50	12.9	3.50	12.9	3.50	4.00	15.4	3.80
95.0	11.3	4.20	11.1	4.20	11.1	4.20	11.1	4.20	11.1	4.20	11.1	4.20	4.60	11.4	4.30
100.0	10.7	5.00	10.5	4.90	10.5	4.90	10.5	5.00	10.5	4.90	10.5	4.90	5.50	10.9	5.10
105.0	10.5	5.70	10.5	5.70	10.4	5.70	10.5	5.70	10.5	5.70	10.5	5.70	6.30	10.7	5.80
110.0	10.7	6.50	10.5	6.40	10.5	6.50	10.5	6.50	10.5	6.50	10.5	6.50	7.10	10.9	6.70
115.0	10.9	7.20	10.7	7.20	10.7	7.20	10.8	7.20	10.8	7.20	10.8	7.30	8.00	11.1	7.50
120.0	11.3	8.00	11.0	7.90	11.0	8.00	11.2	8.00	11.0	8.00	11.1	8.00	8.80	11.4	8.20
125.0	11.7	8.80	11.4	8.70	11.4	8.70	11.5	8.80	11.4	8.80	11.4	8.80	9.60	11.8	9.00
130.0	12.2	9.50	11.8	9.40	11.8	9.50	12.0	9.50	11.8	9.50	11.9	9.50	10.4	12.2	9.80
135.0	12.6	10.2	12.3	10.1	12.3	10.2	12.4	10.2	12.3	10.2	12.3	10.3	11.2	12.7	10.5
140.0	13.0	10.9	12.7	10.8	12.8	11.0	12.9	10.8	12.7	10.9	12.8	11.0	11.9	13.2	11.1
145.0	13.5	11.5	13.0	11.4	13.2	11.7	13.3	11.5	13.0	11.5	13.2	11.7	12.5	13.6	11.8
150.0	13.9	12.1	13.5	12.0	13.6	12.3	13.7	12.1	13.5	12.1	13.7	12.3	13.0	14.1	12.3
155.0	14.3	12.7	14.0	12.6	14.0	12.9	14.1	12.7	14.0	12.6	14.0	13.0	13.5	14.5	12.9
160.0	14.7	13.3	14.3	13.0	14.4	13.4	14.5	13.2	14.4	13.0	14.4	13.5	14.0	14.8	13.3
165.0	15.0	13.7	14.5	13.6	14.5	13.7	14.8	13.6	14.7	13.6	14.7	13.9	14.5	15.0	13.7
170.0	15.2	14.1	14.8	14.0	14.9	14.0	15.0	13.9	15.0	14.0	14.9	14.1	14.9	15.2	14.0
175.0	15.5	14.3	15.0	14.3	15.0	14.3	15.2	14.3	15.2	14.4	15.2	14.3	15.2	15.2	14.3
180.0	15.5	14.7	15.2	14.5	15.2	14.5	15.4	14.5	15.2	14.7	15.2	14.5	15.6	15.2	14.7

Temperature:25.3'C
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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1771	1771	1771	1771	1770	1771	1771	1771	1771
5.0	1762	1760	1762	1759	1762	1760	1761	1760	1763
10.0	1733	1728	1732	1727	1732	1728	1733	1729	1733
15.0	1684	1676	1683	1675	1684	1675	1684	1676	1686
20.0	1615	1606	1615	1605	1615	1606	1616	1608	1617
25.0	1530	1518	1529	1518	1530	1519	1531	1521	1533
30.0	1433	1417	1433	1417	1432	1418	1435	1420	1436
35.0	1322	1307	1321	1307	1322	1308	1324	1311	1326
40.0	1203	1186	1203	1185	1203	1187	1205	1190	1208
45.0	1080	1058	1079	1058	1080	1060	1083	1063	1085
50.0	950	929	950	930	950	932	953	934	955
55.0	817	796	817	797	818	798	820	801	822
60.0	686	660	686	661	687	662	689	665	691
65.0	551	528	552	529	552	530	554	532	556
70.0	417	394	418	396	419	396	421	398	422
75.0	290	253	291	255	292	256	293	257	294
80.0	177	140	178	141	179	142	180	142	179
85.0	74.6	47.4	76.0	48.5	76.9	49.0	77.1	48.5	76.2
90.0	15.9	3.80	16.2	3.80	16.4	3.80	16.5	3.80	16.0
95.0	11.3	4.30	11.4	4.20	11.3	4.20	11.3	4.20	11.3
100.0	10.8	5.00	10.8	5.10	10.8	5.00	10.8	5.00	10.8
105.0	10.7	5.90	10.7	5.80	10.7	5.70	10.5	5.70	10.7
110.0	10.8	6.60	10.8	6.70	10.8	6.60	10.7	6.50	10.7
115.0	11.0	7.40	11.0	7.50	11.0	7.30	10.9	7.30	11.0
120.0	11.3	8.20	11.3	8.29	11.3	8.20	11.2	8.10	11.2
125.0	11.7	9.00	11.7	9.09	11.7	8.90	11.5	8.90	11.7
130.0	12.2	9.70	12.2	9.90	12.2	9.60	12.0	9.60	12.1
135.0	12.6	10.4	12.6	10.5	12.6	10.3	12.4	10.3	12.5
140.0	13.0	11.0	13.0	11.2	13.0	11.1	12.9	10.9	12.9
145.0	13.4	11.5	13.3	11.8	13.6	11.7	13.3	11.5	13.3
150.0	13.7	12.2	13.7	12.5	14.0	12.3	13.6	12.2	13.7
155.0	14.1	12.8	14.1	12.9	14.4	12.8	14.0	12.8	14.2
160.0	14.5	13.3	14.5	13.4	14.7	13.3	14.4	13.3	14.5
165.0	14.8	13.6	14.8	13.9	15.0	13.6	14.7	13.7	14.8
170.0	15.0	14.0	15.0	14.2	15.0	14.0	15.0	14.1	15.0
175.0	15.0	14.3	15.0	14.5	15.2	14.3	15.2	14.3	15.2
180.0	15.2	14.5	15.0	14.8	15.2	14.7	15.2	14.5	15.2

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