

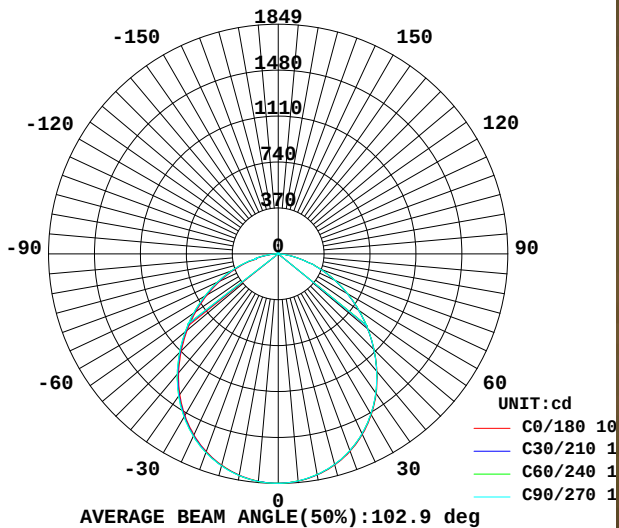
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office IP54 40W 5000K MZS-2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4878	DIMENSION: 595x595x45	SERIAL No.:

DATA OF LAMP		Imax(cd)	1849	S/MH(C0/180)	1.21
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.22
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	4743.2	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	122.7	Current(A)	0.185
NOMINAL FLUX(lm)	4743.2	η up(%)	1.3	Power(W)	38.66
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.946
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4743.2	EEI	0.111

LUMINOUS INTENSITY DISTRIBUTION



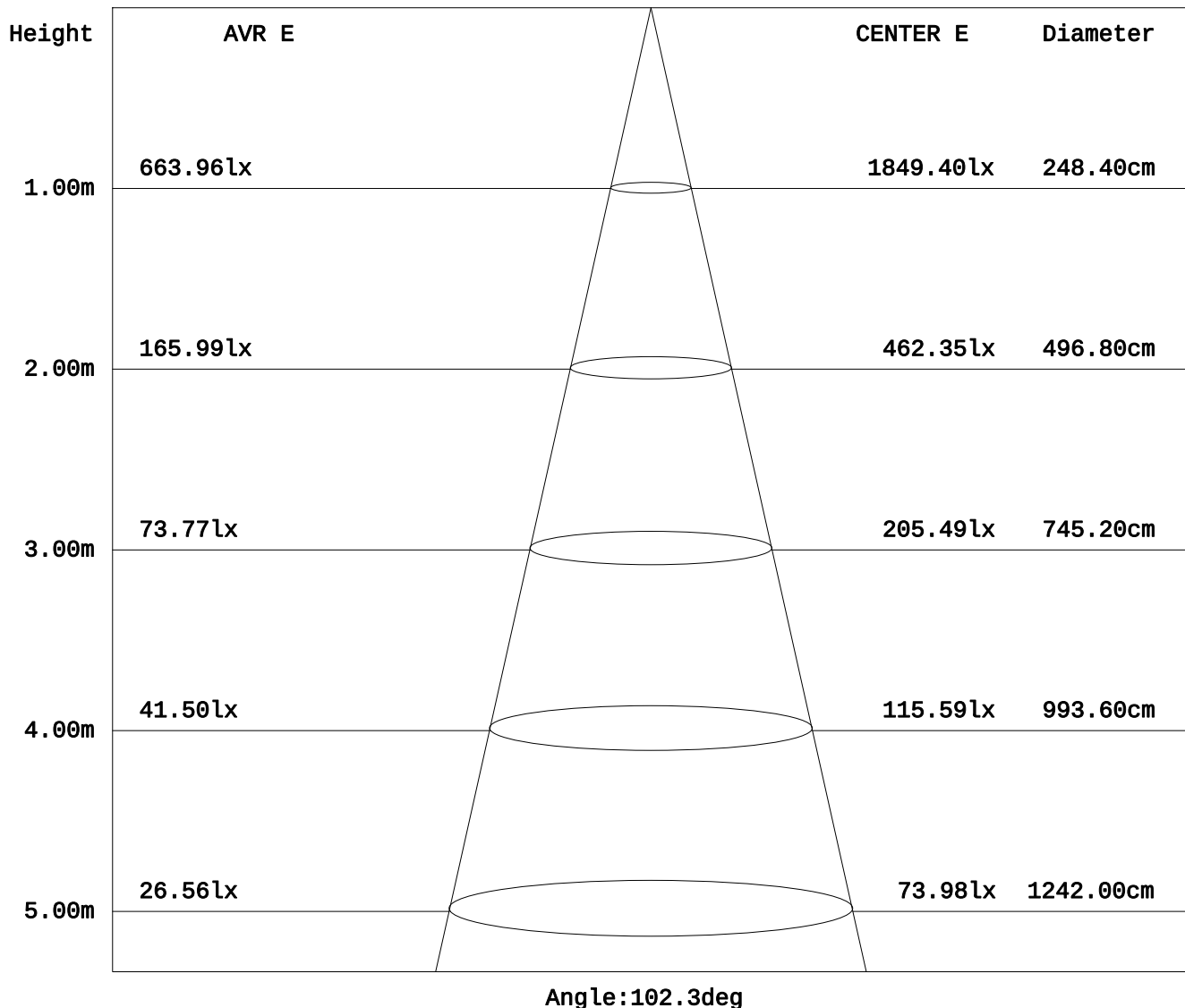
Temperature: 25.3°C
 Operators:
 Test Date: 18-08-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 80Ra 1Flickering

AVERAGE AND CENTER E Figure

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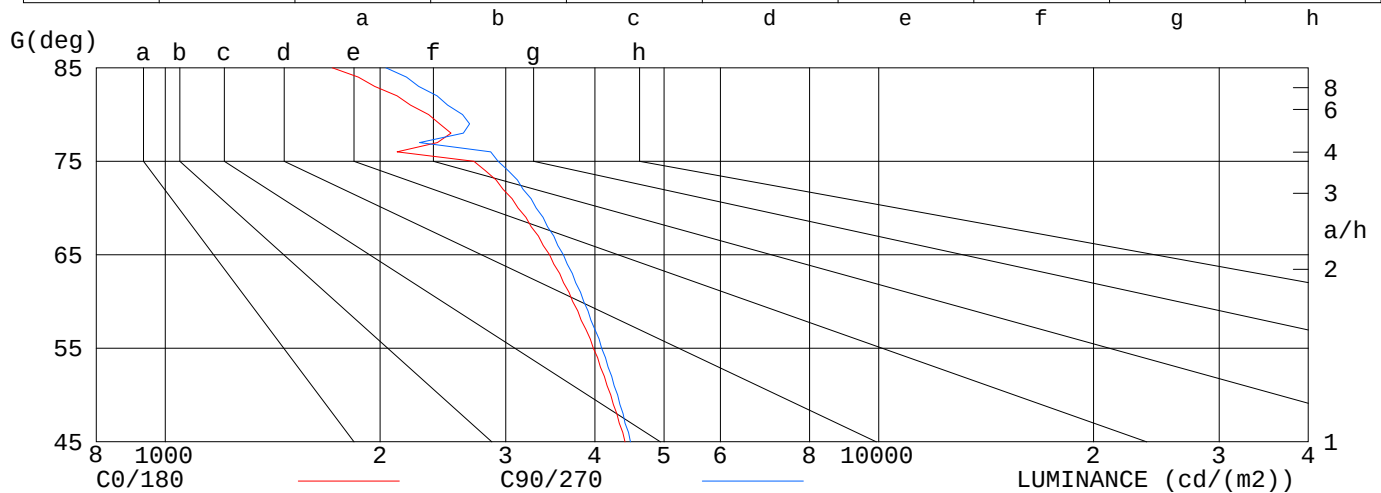
LUMINANCE LIMITATION CURVES

Report number:

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NAME: Office IP54 40W 5000K MZS-2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4878	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	1715	2039
80	2339	2609
75	2707	2926
70	3122	3310
65	3456	3614
60	3724	3858
55	3981	4088
50	4211	4305
45	4408	4488

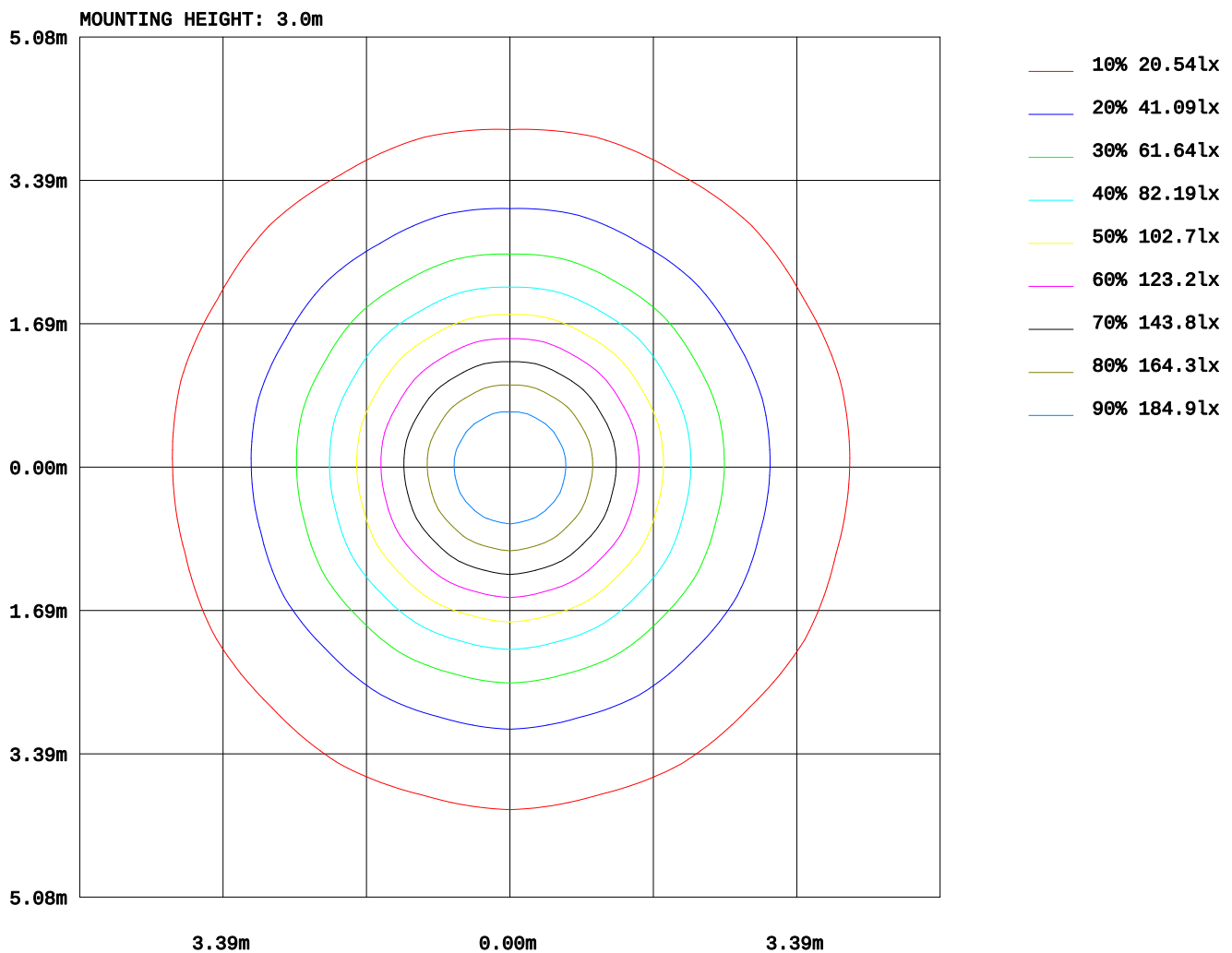
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ISOLUX DIAGRAM

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UGR Table

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Address:				
NAME: Office IP54 40W 5000K MZS-2			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4878	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					Viewed endwise				
x = 2H y = 2H	17.4	18.9	17.7	19.1	19.3	17.5	19.0	17.8	19.2	19.4
3H	18.6	20.0	18.9	20.2	20.5	18.8	20.1	19.1	20.4	20.7
4H	19.0	20.3	19.4	20.6	20.8	19.3	20.5	19.6	20.8	21.1
6H	19.3	20.5	19.6	20.8	21.1	19.5	20.7	19.9	21.0	21.3
8H	19.3	20.5	19.7	20.8	21.1	19.6	20.8	20.0	21.1	21.4
12H	19.4	20.5	19.7	20.8	21.1	19.7	20.8	20.0	21.1	21.4
4H 2H	18.0	19.2	18.3	19.5	19.8	18.1	19.3	18.4	19.6	19.9
3H	19.4	20.5	19.7	20.8	21.1	19.5	20.6	19.9	20.9	21.3
4H	19.9	20.9	20.3	21.2	21.6	20.1	21.1	20.5	21.4	21.8
6H	20.2	21.1	20.6	21.5	21.9	20.4	21.3	20.9	21.7	22.1
8H	20.3	21.1	20.7	21.5	21.9	20.5	21.4	21.0	21.8	22.2
12H	20.3	21.1	20.8	21.5	21.9	20.6	21.4	21.0	21.8	22.2
8H 4H	20.1	20.9	20.5	21.3	21.7	20.3	21.1	20.7	21.5	21.9
6H	20.5	21.2	21.0	21.6	22.1	20.7	21.4	21.2	21.9	22.3
8H	20.7	21.3	21.1	21.7	22.2	20.9	21.5	21.4	22.0	22.4
12H	20.7	21.2	21.2	21.7	22.2	21.0	21.5	21.5	22.0	22.5
12H 4H	20.1	20.8	20.5	21.2	21.7	20.2	21.0	20.7	21.4	21.8
6H	20.5	21.2	21.0	21.6	22.1	20.8	21.4	21.2	21.8	22.3
8H	20.7	21.2	21.2	21.7	22.2	21.0	21.5	21.5	22.0	22.5

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 0.2 / - 0.3
1.5H	+ 0.2 / - 0.4	+ 0.1 / - 0.2
2.0H	+ 0.4 / - 0.6	+ 0.4 / - 0.3

CIE Pub.117 Corrected 4743 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.4)

Temperature:25.3'C
Operators:
Test Date:18-08-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 80Ra 1Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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Address:			
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SPECIFICATION:	CCT(K): 4878	DIMENSION: 595x595x45	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	1849	1848	1848	1849	1847	1847	1848	1848	1848	1848	1848	1847	1849	1848	1848
5.0	1838	1836	1839	1837	1842	1837	1840	1838	1841	1837	1839	1836	1838	1839	1836
10.0	1809	1806	1812	1808	1813	1809	1814	1807	1812	1807	1812	1806	1808	1812	1805
15.0	1761	1756	1764	1758	1766	1759	1768	1760	1766	1758	1764	1756	1761	1765	1757
20.0	1695	1686	1700	1690	1702	1692	1704	1692	1703	1689	1699	1685	1692	1700	1688
25.0	1608	1599	1614	1605	1619	1607	1620	1607	1617	1603	1613	1598	1604	1614	1599
30.0	1502	1492	1510	1498	1516	1503	1517	1502	1514	1496	1507	1490	1499	1510	1494
35.0	1383	1368	1392	1376	1398	1380	1399	1379	1396	1373	1388	1364	1374	1390	1370
40.0	1248	1234	1258	1244	1265	1247	1266	1246	1263	1239	1252	1228	1236	1254	1232
45.0	1104	1089	1115	1100	1123	1102	1123	1102	1120	1094	1107	1081	1093	1109	1090
50.0	958	939	972	952	980	955	980	954	977	945	962	930	941	963	940
55.0	808	792	823	807	832	808	830	808	828	799	813	782	790	813	790
60.0	659	642	675	659	685	660	683	659	681	651	665	633	645	665	644
65.0	517	496	533	512	543	514	541	513	539	505	523	489	501	524	500
70.0	378	360	393	375	402	377	401	376	399	369	385	355	364	387	362
75.0	248	220	261	233	269	235	268	234	266	228	255	218	228	258	226
80.0	144	110	154	119	161	121	160	120	158	116	150	108	117	153	115
85.0	52.8	31.0	58.3	35.4	63.0	37.2	62.9	36.5	61.5	33.7	56.5	30.1	34.7	59.1	32.0
90.0	12.3	3.20	13.0	3.10	13.4	3.10	13.2	3.10	13.0	3.10	12.6	3.10	3.50	13.2	3.20
95.0	10.7	3.80	10.7	3.80	10.8	3.70	10.7	3.80	10.7	3.80	10.5	3.80	4.20	10.7	3.90
100.0	10.3	4.50	10.1	4.40	10.2	4.40	10.2	4.40	10.2	4.40	10.1	4.50	4.90	10.3	4.60
105.0	10.2	5.20	9.90	5.10	10.0	5.20	10.0	5.20	10.0	5.10	9.90	5.20	5.70	10.1	5.40
110.0	10.1	6.00	10.0	5.90	10.0	5.90	10.1	5.90	10.0	5.90	10.0	6.00	6.50	10.2	6.10
115.0	10.4	6.70	10.2	6.60	10.2	6.60	10.3	6.70	10.2	6.60	10.2	6.70	7.30	10.4	6.80
120.0	10.8	7.50	10.5	7.40	10.5	7.40	10.7	7.40	10.5	7.30	10.5	7.40	8.10	10.7	7.60
125.0	11.2	8.29	10.8	8.10	10.8	8.20	11.1	8.20	10.9	8.10	10.9	8.29	8.90	11.1	8.40
130.0	11.5	9.00	11.3	8.90	11.3	8.90	11.5	9.00	11.3	8.90	11.3	9.00	9.70	11.5	9.09
135.0	12.1	9.70	11.8	9.60	11.8	9.70	12.0	9.70	11.7	9.60	11.8	9.70	10.5	12.1	9.90
140.0	12.6	10.4	12.2	10.3	12.3	10.5	12.5	10.4	12.2	10.3	12.2	10.5	11.2	12.6	10.5
145.0	13.0	11.1	12.6	11.0	12.7	11.2	13.0	11.1	12.6	10.9	12.7	11.2	11.9	13.0	11.2
150.0	13.5	11.8	13.0	11.5	13.2	11.9	13.4	11.7	13.0	11.5	13.2	11.9	12.5	13.5	11.9
155.0	13.7	12.4	13.6	12.2	13.6	12.6	13.7	12.3	13.5	12.1	13.6	12.6	13.0	13.9	12.4
160.0	14.3	12.9	14.0	12.7	14.0	13.0	14.2	12.9	14.0	12.8	14.0	13.2	13.6	14.3	12.9
165.0	14.5	13.3	14.3	13.3	14.3	13.6	14.5	13.3	14.3	13.2	14.3	13.6	14.1	14.5	13.3
170.0	14.9	13.7	14.7	13.7	14.7	13.7	14.8	13.7	14.5	13.7	14.5	13.7	14.5	14.8	13.7
175.0	15.2	14.2	14.9	14.2	14.9	14.1	15.0	14.1	14.9	14.2	14.9	13.9	14.9	14.8	14.0
180.0	15.2	14.4	14.9	14.3	14.9	14.3	15.0	14.3	14.9	14.3	14.9	14.3	15.2	14.9	14.3

Temperature:25.3'C
Operators:
Test Date:18-08-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 80Ra 1Flickering

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	1849	1847	1847	1848	1848	1848	1848	1848	1847
5.0	1839	1835	1839	1836	1839	1836	1839	1837	1839
10.0	1810	1804	1810	1805	1810	1805	1811	1806	1811
15.0	1763	1756	1762	1755	1763	1756	1764	1757	1765
20.0	1697	1685	1697	1686	1697	1686	1699	1688	1699
25.0	1611	1598	1610	1596	1611	1598	1612	1600	1614
30.0	1507	1493	1506	1492	1507	1494	1509	1496	1510
35.0	1389	1369	1389	1369	1388	1371	1392	1373	1392
40.0	1256	1233	1254	1232	1254	1235	1259	1238	1259
45.0	1112	1092	1111	1091	1112	1094	1116	1097	1115
50.0	968	944	967	942	968	947	973	948	971
55.0	820	794	819	793	820	797	825	799	822
60.0	671	649	671	647	672	653	678	653	673
65.0	530	504	530	502	531	508	537	508	531
70.0	391	365	390	363	392	368	397	368	391
75.0	260	226	259	225	260	229	264	230	260
80.0	153	114	152	113	153	116	157	117	154
85.0	57.5	31.2	56.9	30.5	57.5	32.1	59.1	33.0	59.5
90.0	12.7	3.30	12.4	3.20	12.5	3.20	13.0	3.20	13.3
95.0	10.8	3.90	10.8	3.90	10.7	3.80	10.8	3.80	10.7
100.0	10.3	4.60	10.3	4.60	10.2	4.60	10.2	4.50	10.2
105.0	10.1	5.30	10.1	5.40	10.1	5.40	10.1	5.30	10.0
110.0	10.2	6.10	10.2	6.20	10.2	6.10	10.2	6.10	10.1
115.0	10.4	6.90	10.4	7.00	10.4	6.80	10.4	6.80	10.3
120.0	10.7	7.70	10.8	7.80	10.8	7.60	10.7	7.50	10.7
125.0	11.1	8.40	11.1	8.60	11.2	8.40	11.1	8.29	11.1
130.0	11.5	9.09	11.5	9.40	11.5	9.09	11.5	9.09	11.5
135.0	12.0	9.80	12.0	10.1	12.1	9.90	12.0	9.80	11.9
140.0	12.5	10.5	12.5	10.8	12.6	10.5	12.4	10.4	12.3
145.0	12.9	11.1	12.9	11.4	13.0	11.2	12.9	11.1	12.8
150.0	13.3	11.8	13.4	12.0	13.6	11.8	13.3	11.7	13.3
155.0	13.7	12.4	13.7	12.6	14.0	12.4	13.7	12.3	13.7
160.0	14.1	12.9	14.2	13.0	14.4	12.9	14.0	12.9	14.1
165.0	14.4	13.4	14.5	13.6	14.7	13.4	14.4	13.3	14.4
170.0	14.7	13.7	14.7	14.0	14.8	13.7	14.7	13.7	14.5
175.0	14.9	14.1	14.9	14.3	14.9	14.1	15.0	14.2	14.9
180.0	14.9	14.3	14.9	14.5	14.9	14.3	14.9	14.3	14.8

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