

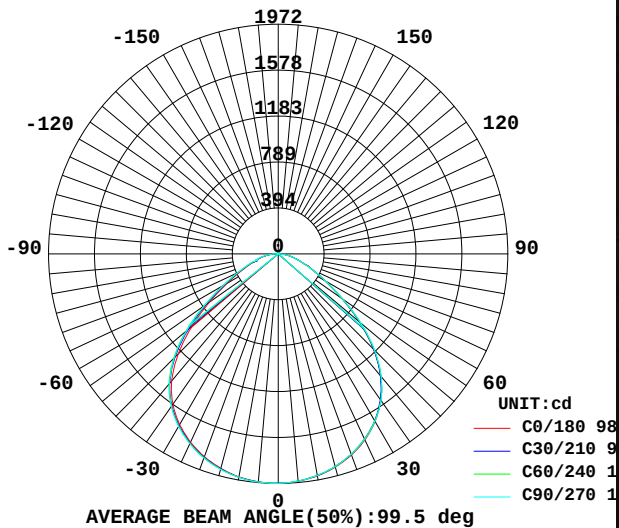
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office 595x595x45 IP54 40W Standart 5000K MZS 4mm		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4812	DIMENSION: 595x595x45	SERIAL No.:

DATA OF LAMP		Imax(cd)	1973	S/MH(C0/180)	1.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4737.8	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	122.9	Current(A)	0.185
NOMINAL FLUX(lm)	4737.8	η up(%)	1.3	Power(W)	38.56
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.945
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	4737.8	EEI	0.111

LUMINOUS INTENSITY DISTRIBUTION



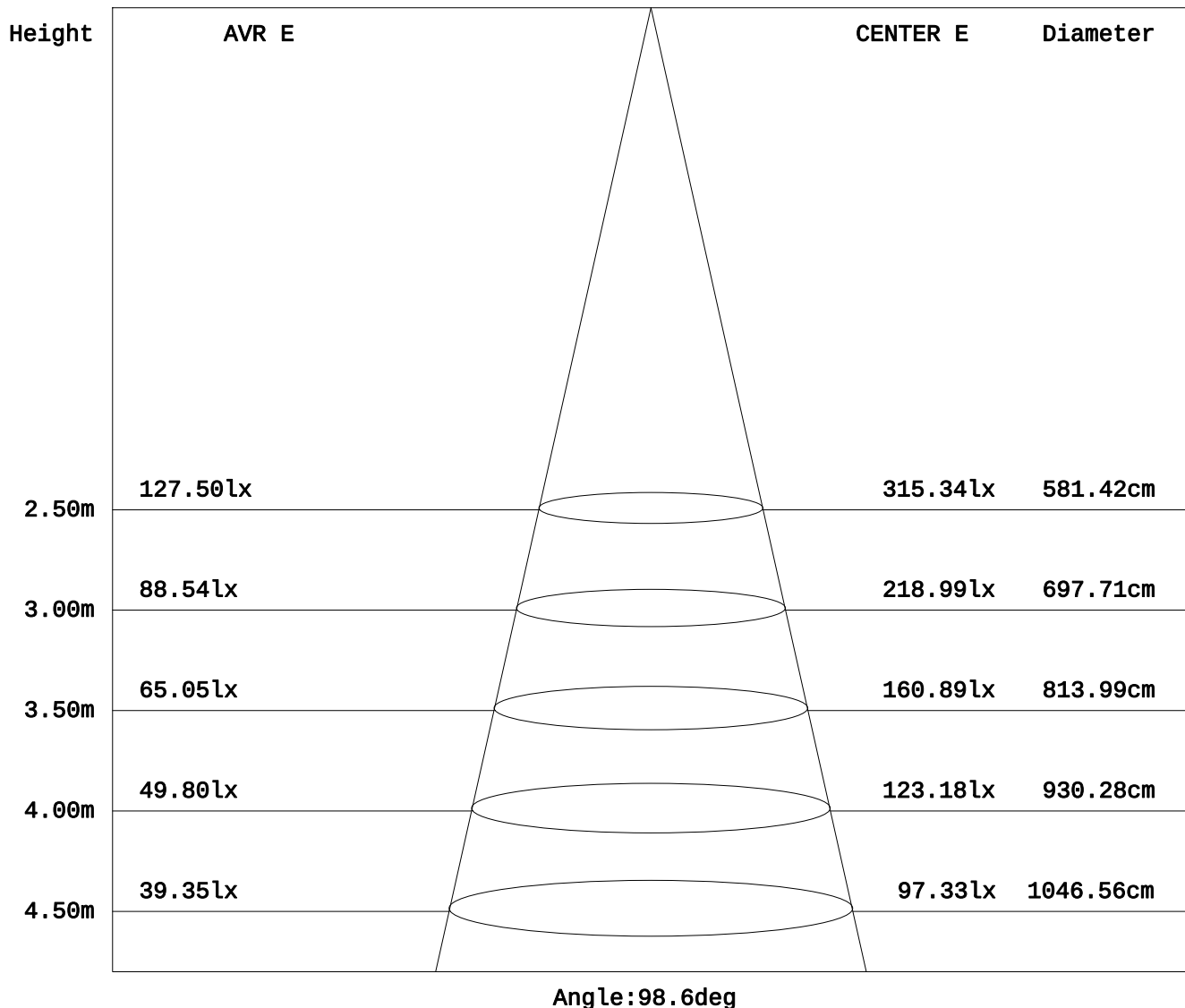
Temperature: 25.3°C
Operators:
Test Date: 06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 81Ra

AVERAGE AND CENTER E Figure

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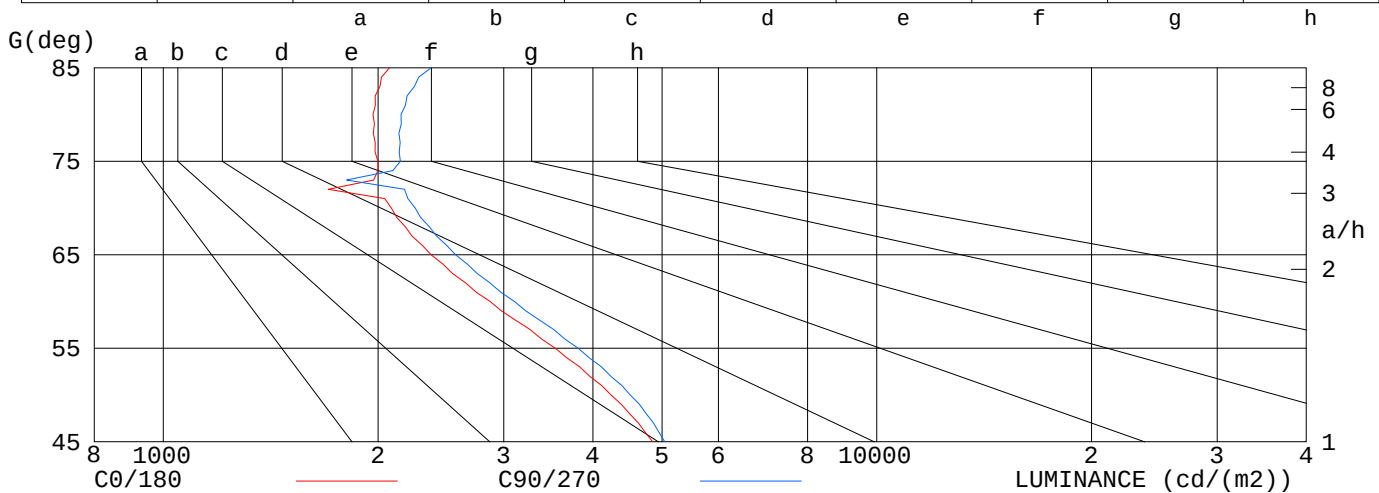
LUMINANCE LIMITATION CURVES

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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	2074	2373
80	1967	2154
75	1998	2149
70	2088	2255
65	2374	2569
60	2871	3106
55	3544	3816
50	4242	4512
45	4855	5046

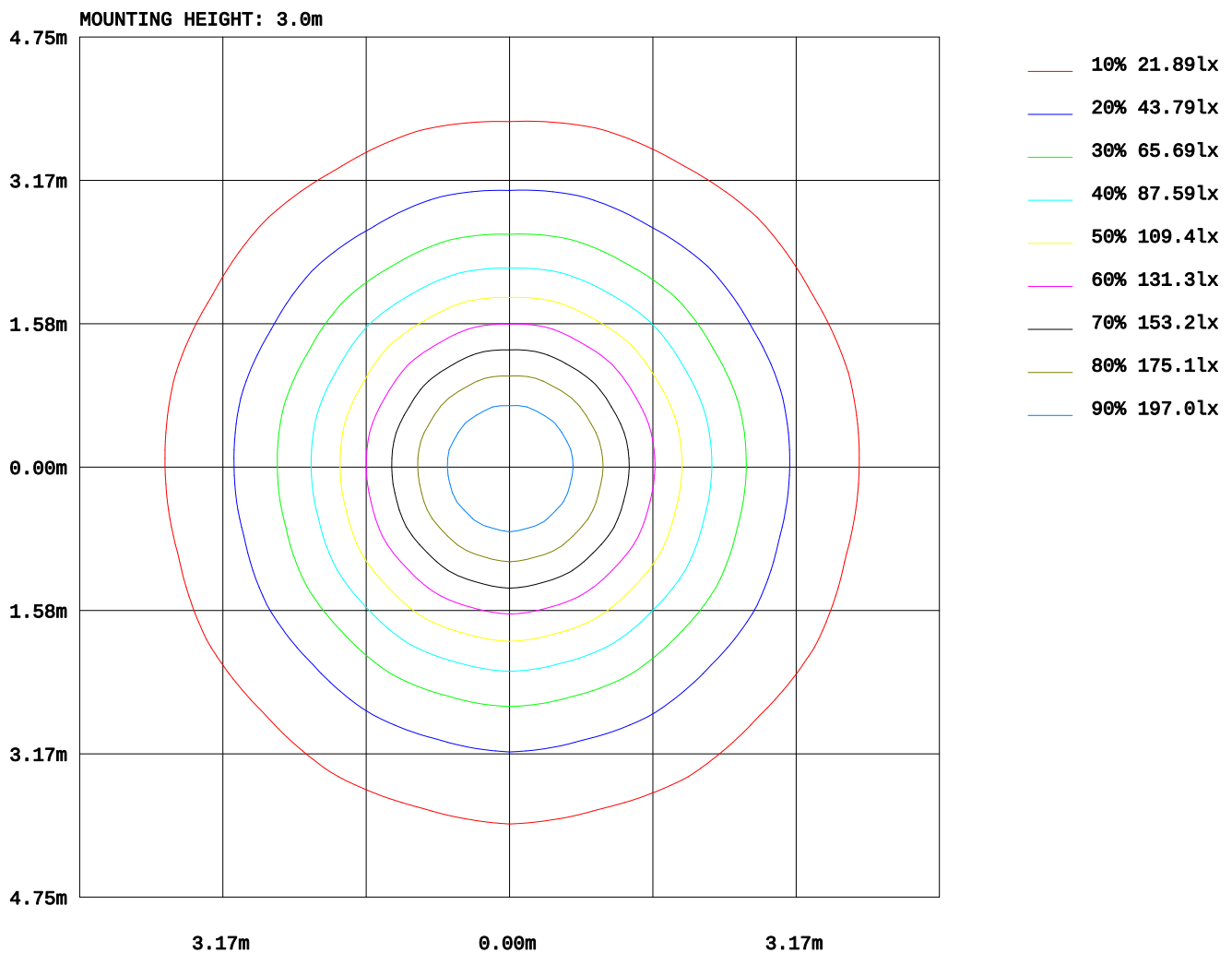
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4812	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	16.8	18.2	17.1	18.4	18.6	17.1	18.5	17.4	18.7	18.9
3H	17.4	18.7	17.7	18.9	19.2	17.7	19.0	18.0	19.3	19.5
4H	17.7	18.9	18.0	19.2	19.4	18.0	19.2	18.3	19.5	19.7
6H	17.9	19.1	18.3	19.4	19.7	18.3	19.4	18.6	19.7	20.0
8H	18.0	19.1	18.4	19.4	19.7	18.4	19.5	18.7	19.8	20.1
12H	18.1	19.2	18.5	19.5	19.8	18.5	19.5	18.9	19.8	20.2
4H 2H	17.1	18.3	17.4	18.6	18.8	17.3	18.5	17.6	18.8	19.1
3H	17.9	18.9	18.3	19.2	19.6	18.2	19.2	18.5	19.5	19.8
4H	18.3	19.2	18.7	19.6	19.9	18.5	19.5	18.9	19.8	20.2
6H	18.6	19.5	19.0	19.8	20.2	18.9	19.8	19.3	20.1	20.5
8H	18.8	19.6	19.2	19.9	20.3	19.1	19.9	19.5	20.3	20.7
12H	18.9	19.6	19.3	20.0	20.4	19.2	20.0	19.7	20.4	20.8
8H 4H	18.4	19.2	18.8	19.6	20.0	18.7	19.4	19.1	19.8	20.2
6H	18.9	19.6	19.4	20.0	20.5	19.2	19.9	19.7	20.3	20.7
8H	19.2	19.7	19.6	20.2	20.7	19.5	20.0	19.9	20.5	21.0
12H	19.4	19.8	19.8	20.3	20.8	19.7	20.2	20.2	20.6	21.1
12H 4H	18.4	19.1	18.9	19.5	20.0	18.7	19.4	19.1	19.8	20.2
6H	19.0	19.5	19.5	20.0	20.5	19.2	19.8	19.7	20.3	20.7
8H	19.3	19.7	19.8	20.2	20.7	19.6	20.0	20.0	20.5	21.0

Variations with the observer position at spacings:

S = 1.0H	+ 0.4 / - 0.4	+ 0.3 / - 0.4
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.8 / - 0.7	+ 0.8 / - 0.7

CIE Pub.117 Corrected 4738 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.4)

Temperature:25.3'C
Operators:
Test Date:06-10-2020

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Humidity:65.0%
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Remarks: 81Ra

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4812	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	1971	1971	1971	1971	1972	1972	1971	1971	1973	1971	1971	1971	1971	1971	1971
5.0	1966	1964	1965	1965	1968	1966	1967	1963	1967	1963	1964	1961	1962	1963	1959
10.0	1944	1940	1949	1944	1948	1944	1948	1942	1946	1940	1942	1935	1937	1940	1934
15.0	1908	1902	1910	1905	1915	1908	1917	1906	1910	1899	1906	1892	1896	1901	1891
20.0	1854	1847	1860	1855	1864	1855	1866	1853	1860	1845	1850	1836	1839	1845	1833
25.0	1785	1774	1793	1783	1798	1786	1798	1781	1791	1771	1780	1759	1764	1771	1755
30.0	1694	1682	1706	1692	1712	1695	1711	1690	1701	1677	1684	1658	1663	1676	1656
35.0	1576	1566	1593	1579	1600	1581	1598	1575	1588	1557	1561	1528	1536	1548	1530
40.0	1426	1410	1450	1434	1460	1432	1455	1423	1442	1399	1406	1362	1371	1387	1366
45.0	1215	1200	1255	1237	1272	1236	1263	1226	1245	1194	1203	1148	1161	1185	1156
50.0	965	953	1006	998	1034	1002	1027	989	1003	952	958	907	921	941	913
55.0	720	701	754	734	780	745	775	731	751	697	713	663	677	696	665
60.0	508	489	534	514	553	522	550	511	532	487	505	463	474	496	464
65.0	355	340	372	357	386	363	384	356	372	340	354	323	332	348	324
70.0	253	228	264	239	274	243	273	239	265	229	253	218	224	248	219
75.0	183	158	191	166	197	169	197	166	192	159	183	151	154	181	150
80.0	121	98.7	128	105	133	107	132	104	128	98.5	121	91.6	96.4	118	92.1
85.0	64.0	43.2	69.8	48.0	74.0	49.5	73.1	47.0	68.8	41.6	62.0	35.7	40.5	59.3	35.7
90.0	13.3	2.80	15.7	3.00	17.0	3.00	16.2	2.70	14.0	2.70	12.3	2.70	3.10	12.2	2.80
95.0	10.1	3.20	10.1	3.20	10.1	3.10	10.1	3.20	10.1	3.20	10.0	3.30	3.70	10.0	3.40
100.0	9.50	3.90	9.50	3.80	9.50	3.80	9.60	3.80	9.50	3.90	9.50	4.00	4.50	9.60	4.10
105.0	9.40	4.60	9.30	4.60	9.30	4.60	9.40	4.60	9.40	4.70	9.30	4.80	5.30	9.60	5.00
110.0	9.60	5.50	9.40	5.40	9.50	5.40	9.60	5.40	9.50	5.50	9.60	5.70	6.30	9.80	5.90
115.0	10.0	6.40	9.80	6.30	9.80	6.30	9.90	6.40	9.90	6.40	9.90	6.60	7.20	10.2	6.80
120.0	10.5	7.30	10.2	7.10	10.2	7.20	10.4	7.20	10.3	7.30	10.4	7.50	8.20	10.7	7.80
125.0	11.0	8.10	10.7	7.90	10.7	8.10	10.9	8.10	10.7	8.10	10.9	8.29	9.09	11.2	8.60
130.0	11.5	8.90	11.1	8.70	11.1	8.80	11.4	8.90	11.2	8.80	11.3	9.09	9.90	11.7	9.30
135.0	12.0	9.60	11.5	9.40	11.5	9.60	11.9	9.60	11.7	9.60	11.8	9.90	10.7	12.2	10.1
140.0	12.6	10.4	12.1	10.3	12.2	10.5	12.5	10.4	12.2	10.4	12.3	10.7	11.4	12.8	10.9
145.0	13.0	11.2	12.6	11.1	12.8	11.3	13.0	11.2	12.7	11.2	12.9	11.5	12.3	13.4	11.7
150.0	13.7	12.1	13.3	11.9	13.4	12.2	13.7	12.1	13.4	12.0	13.6	12.5	13.0	14.0	12.5
155.0	14.3	12.9	14.0	12.7	14.0	13.0	14.3	12.9	14.1	12.8	14.2	13.3	13.7	14.7	13.2
160.0	14.9	13.7	14.5	13.4	14.5	13.9	14.8	13.6	14.8	13.6	14.8	14.1	14.5	15.2	13.7
165.0	15.5	14.3	15.0	14.1	15.0	14.5	15.2	14.2	15.2	14.1	15.2	14.5	15.2	15.6	14.3
170.0	15.9	14.8	15.6	14.5	15.6	14.9	15.8	14.5	15.6	14.7	15.7	14.9	15.6	15.8	14.8
175.0	16.2	15.2	16.0	15.4	16.0	15.0	16.1	15.0	16.0	15.2	16.0	15.0	16.0	15.8	15.0
180.0	16.2	15.4	15.9	15.4	15.9	15.2	16.1	15.2	15.8	15.2	15.8	15.2	16.4	16.0	15.2

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Operators:
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Humidity:65.0%
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Remarks: 81Ra

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1971	1972	1972	1971	1971	1973	1971	1971	1971
5.0	1962	1960	1962	1959	1962	1962	1965	1962	1965
10.0	1939	1932	1938	1933	1940	1935	1943	1938	1945
15.0	1900	1890	1899	1892	1901	1893	1905	1897	1907
20.0	1842	1831	1843	1833	1845	1837	1849	1843	1854
25.0	1768	1755	1769	1758	1773	1762	1777	1768	1784
30.0	1675	1658	1677	1661	1681	1668	1690	1675	1697
35.0	1555	1537	1557	1539	1563	1550	1574	1561	1584
40.0	1397	1376	1399	1376	1408	1396	1428	1409	1434
45.0	1195	1166	1201	1171	1211	1193	1236	1206	1235
50.0	946	922	956	930	969	953	989	959	987
55.0	694	670	703	679	716	697	729	703	733
60.0	494	467	499	473	509	484	518	490	522
65.0	346	326	350	330	356	337	362	341	365
70.0	246	219	247	222	252	226	255	229	258
75.0	179	150	180	151	183	155	186	157	188
80.0	117	91.5	117	92.5	120	96.1	123	98.9	125
85.0	57.0	35.0	56.9	35.9	59.6	39.5	63.0	42.6	66.5
90.0	11.7	2.90	11.7	2.90	12.0	2.80	13.2	2.80	15.0
95.0	10.1	3.40	10.1	3.50	10.1	3.40	10.1	3.30	10.1
100.0	9.60	4.20	9.70	4.20	9.60	4.10	9.60	4.00	9.50
105.0	9.60	5.10	9.70	5.10	9.60	5.00	9.50	4.80	9.40
110.0	9.90	6.00	9.90	6.00	9.90	5.90	9.70	5.70	9.60
115.0	10.3	6.90	10.4	7.00	10.3	6.80	10.2	6.60	10.0
120.0	10.7	7.80	10.8	8.00	10.8	7.70	10.5	7.50	10.5
125.0	11.2	8.60	11.4	8.80	11.3	8.50	11.1	8.29	11.0
130.0	11.5	9.40	11.8	9.70	11.7	9.30	11.5	9.09	11.5
135.0	12.2	10.2	12.3	10.4	12.3	10.1	12.0	9.90	11.9
140.0	12.7	10.8	12.8	11.1	12.9	10.9	12.6	10.5	12.4
145.0	13.3	11.7	13.4	12.0	13.5	11.5	13.0	11.4	13.0
150.0	13.9	12.5	14.0	12.7	14.1	12.5	13.7	12.2	13.6
155.0	14.5	13.3	14.5	13.4	14.8	13.2	14.3	13.0	14.3
160.0	15.0	13.9	15.0	14.1	15.2	13.7	14.8	13.7	14.8
165.0	15.4	14.4	15.5	14.5	15.7	14.3	15.2	14.3	15.2
170.0	15.7	14.8	15.8	15.0	15.9	14.8	15.6	14.7	15.6
175.0	16.0	15.0	15.9	15.2	15.9	15.2	16.0	15.2	15.8
180.0	15.9	15.2	15.8	15.5	15.9	15.2	15.9	15.2	15.8

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