

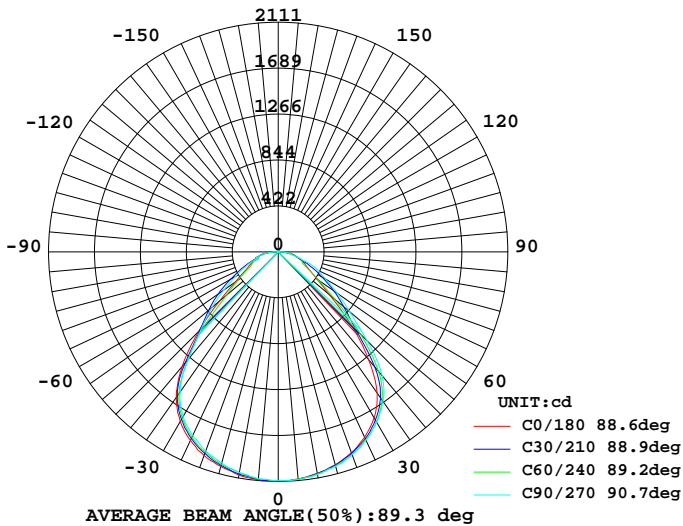
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 40W 595x595x20 4000K 90Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4176	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	2111	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.23
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4634.4	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	122.7	Current(A)	0.179
NOMINAL FLUX(lm)	4634.4	η up(%)	1.4	Power(W)	37.77
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.955
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	4634.4	EEL	0.111

LUMINOUS INTENSITY DISTRIBUTION



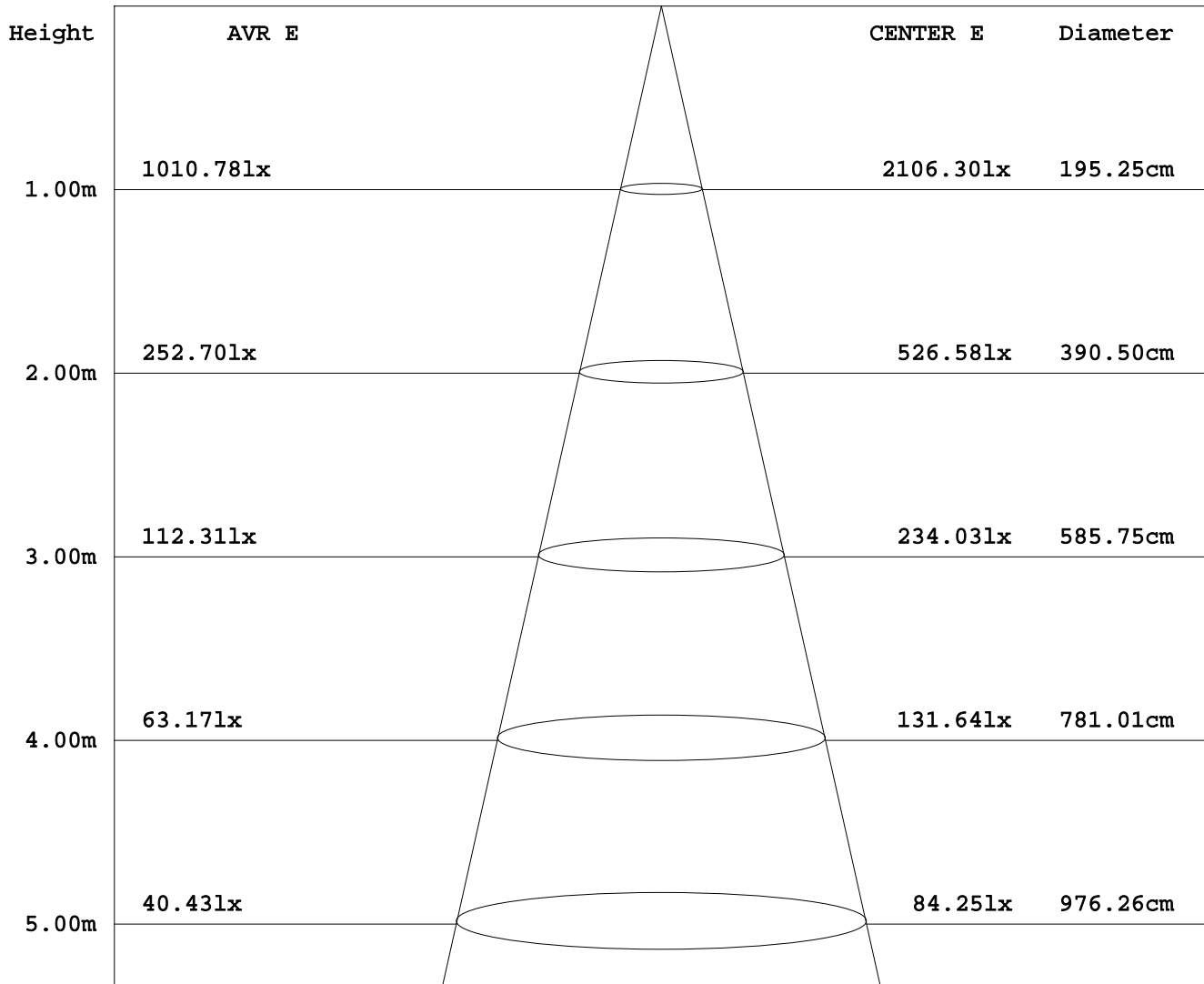
Temperature: 25.3 °C
 Operators:
 Test Date: 03-06-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 90Ra. 1,4% Flickering. Temp 36.9

AVERAGE AND CENTER E Figure

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Angle: 88.6deg

Temperature: 25.3 °C
 Operators:
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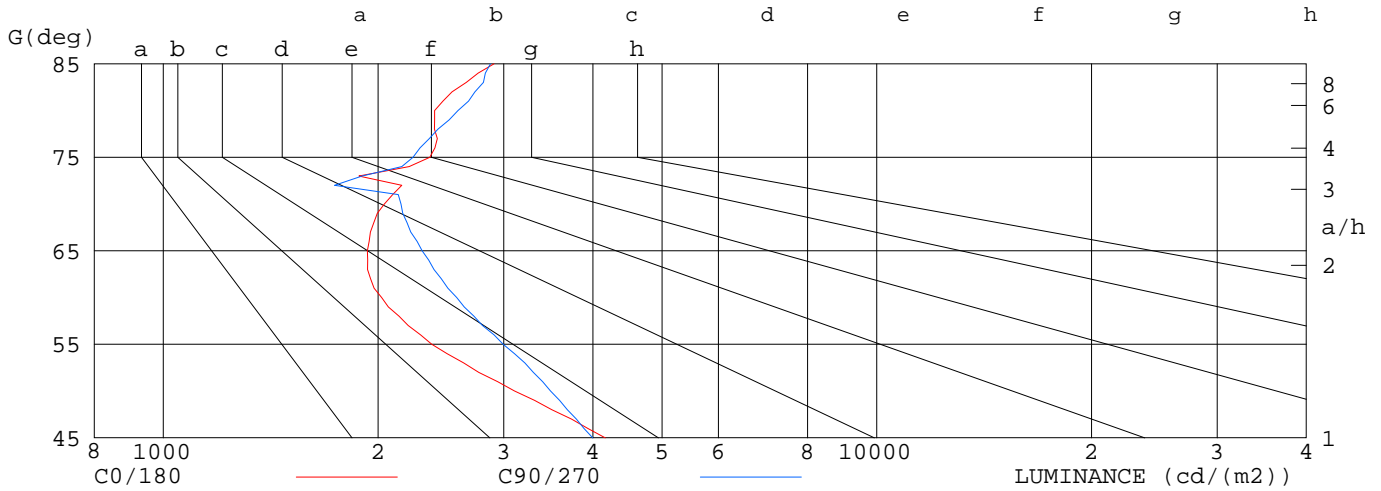
LUMINANCE LIMITATION CURVES

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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	2907	2875
80	2399	2588
75	2363	2239
70	2041	2153
65	1932	2305
60	2023	2577
55	2378	2994
50	3105	3489
45	4163	3999

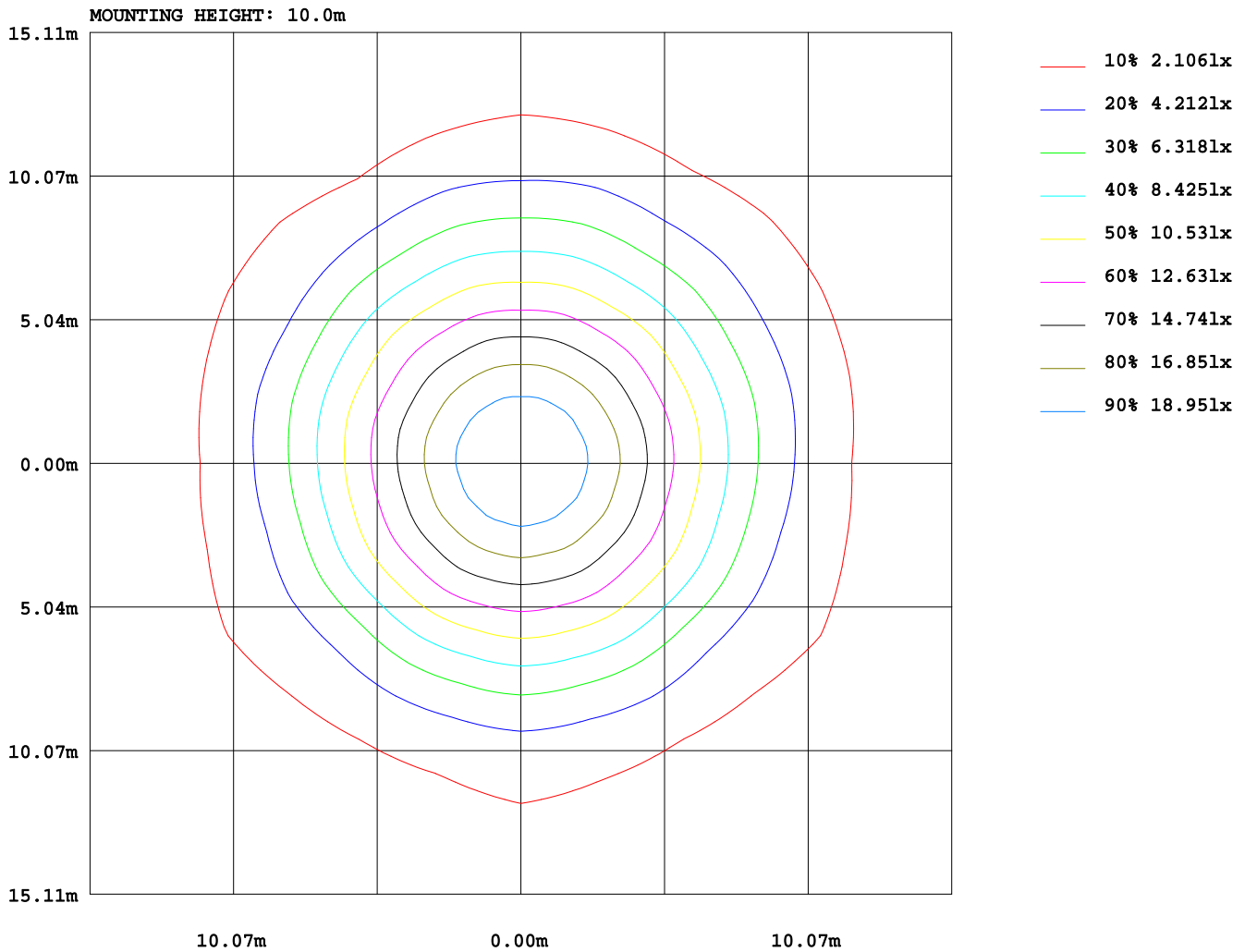
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:		CCT(K): 4176			DIMENSION: 595x595x20			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	15.8	17.2	16.1	17.4	17.6	15.2	16.6	15.5	16.8	17.0
3H	16.8	18.0	17.1	18.3	18.5	16.3	17.5	16.6	17.8	18.0
4H	17.3	18.5	17.6	18.7	19.0	16.8	18.0	17.1	18.2	18.5
6H	17.8	18.9	18.1	19.2	19.5	17.4	18.5	17.7	18.8	19.1
8H	18.0	19.1	18.4	19.4	19.7	17.7	18.7	18.0	19.0	19.3
12H	18.2	19.3	18.6	19.6	19.9	17.9	18.9	18.3	19.2	19.6
4H 2H	16.1	17.3	16.4	17.5	17.8	15.6	16.8	15.9	17.0	17.3
3H	17.3	18.3	17.7	18.7	19.0	16.8	17.9	17.2	18.2	18.5
4H	18.0	18.9	18.4	19.3	19.6	17.5	18.5	17.9	18.8	19.2
6H	18.7	19.5	19.1	19.9	20.3	18.3	19.1	18.7	19.5	19.8
8H	19.0	19.7	19.4	20.1	20.5	18.6	19.4	19.0	19.8	20.2
12H	19.2	19.9	19.7	20.4	20.8	18.9	19.6	19.3	20.0	20.4
8H 4H	18.2	19.0	18.7	19.4	19.8	17.8	18.6	18.3	19.0	19.4
6H	19.2	19.8	19.6	20.2	20.7	18.7	19.4	19.2	19.8	20.3
8H	19.6	20.2	20.1	20.6	21.1	19.2	19.8	19.7	20.2	20.7
12H	19.9	20.4	20.4	20.9	21.4	19.5	20.0	20.0	20.5	21.0
12H 4H	18.2	19.0	18.7	19.4	19.8	17.9	18.6	18.3	19.0	19.4
6H	19.2	19.8	19.7	20.2	20.7	18.8	19.4	19.3	19.9	20.3
8H	19.7	20.2	20.2	20.7	21.2	19.3	19.8	19.8	20.3	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.4 / - 0.7					+ 0.3 / - 0.4				
2.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				

CIE Pub.117 Corrected 4634 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.3)

Temperature: 25.3 °C
 Operators:
 Test Date: 03-06-2020

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 Humidity: 65.0%
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SPECIFICATION:	CCT(K): 4176	DIMENSION: 595x595x20	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	2106	2104	2104	2103	2101	2102	2100	2103	2103	2102	2104	2102	2106	2104	2104
5.0	2102	2099	2101	2094	2097	2090	2092	2082	2090	2081	2091	2083	2097	2104	2099
10.0	2083	2074	2075	2062	2063	2055	2059	2052	2056	2052	2063	2057	2066	2076	2071
15.0	2042	2025	2032	2016	2021	2005	2009	1997	2015	1994	2009	2007	2027	2033	2029
20.0	1992	1970	1972	1955	1958	1941	1950	1932	1943	1938	1948	1941	1965	1980	1973
25.0	1912	1883	1891	1871	1880	1852	1864	1843	1857	1840	1858	1853	1880	1900	1896
30.0	1801	1770	1780	1754	1765	1735	1749	1721	1735	1719	1743	1734	1762	1800	1786
35.0	1634	1601	1618	1579	1591	1561	1572	1530	1544	1519	1558	1543	1587	1636	1641
40.0	1372	1326	1329	1269	1289	1253	1283	1240	1254	1222	1269	1238	1292	1366	1381
45.0	1042	982	1019	938	956	941	1001	907	921	918	985	921	949	1014	1006
50.0	707	761	833	696	624	688	794	651	621	700	795	680	621	699	789
55.0	483	588	673	524	448	522	608	478	443	544	633	506	434	519	623
60.0	358	449	508	412	332	409	456	376	335	434	482	396	331	421	467
65.0	289	346	378	326	266	320	345	307	269	336	355	316	273	348	347
70.0	247	278	275	274	195	252	261	246	194	256	267	253	225	291	233
75.0	217	205	203	197	199	189	205	188	195	188	207	191	169	189	173
80.0	148	137	166	127	145	124	159	122	144	121	150	117	122	154	139
85.0	89.7	63.3	93.9	52.3	84.1	54.5	88.7	53.2	78.7	52.8	83.0	50.1	59.2	79.4	63.8
90.0	25.0	6.20	15.6	2.90	13.4	3.70	19.2	7.00	21.1	8.80	22.6	7.40	8.70	21.6	4.10
95.0	10.4	3.40	10.5	3.50	10.1	3.60	10.5	3.70	10.3	3.70	10.7	3.60	4.00	10.5	3.60
100.0	9.70	4.00	9.80	4.10	9.50	4.20	10.0	4.30	9.80	4.30	10.0	4.30	4.60	9.90	4.20
105.0	9.50	4.70	9.60	4.80	9.40	5.00	9.80	5.10	9.70	5.10	9.80	5.10	5.50	9.70	4.90
110.0	9.60	5.60	9.70	5.70	9.60	5.90	9.90	6.10	10.0	6.00	10.0	6.00	6.50	9.90	5.80
115.0	10.1	6.60	10.0	6.80	10.1	6.90	10.3	7.10	10.5	7.10	10.4	7.00	7.60	10.3	6.80
120.0	10.8	7.60	10.5	7.80	10.8	8.00	11.0	8.20	11.1	8.20	11.0	8.10	8.80	11.0	7.90
125.0	11.5	8.70	11.3	8.90	11.5	9.09	11.7	9.20	11.8	9.09	11.5	9.09	9.90	11.7	9.00
130.0	12.2	9.70	11.9	9.80	12.1	10.0	12.4	10.1	12.3	10.0	12.2	10.0	10.9	12.4	10.0
135.0	12.8	10.5	12.5	10.5	12.7	10.8	13.0	11.0	12.9	10.9	12.9	11.0	11.8	13.0	10.9
140.0	13.3	11.4	13.0	11.4	13.3	11.7	13.6	11.7	13.4	11.7	13.5	11.8	12.6	13.7	11.7
145.0	13.9	12.3	13.7	12.3	13.9	12.6	14.2	12.6	14.0	12.6	14.1	12.8	13.5	14.4	12.7
150.0	14.5	13.0	14.4	13.0	14.5	13.5	14.9	13.5	14.7	13.4	14.8	13.7	14.3	15.0	13.5
155.0	15.2	14.1	15.2	14.1	15.2	14.5	15.7	14.5	15.5	14.4	15.6	14.7	15.2	15.8	14.3
160.0	16.0	15.0	16.1	15.0	16.1	15.4	16.4	15.4	16.3	15.2	16.3	15.5	16.1	16.5	15.0
165.0	16.7	15.9	16.7	15.9	16.7	16.2	17.1	16.1	17.0	16.1	17.0	16.1	16.9	17.1	15.9
170.0	17.5	16.5	17.4	16.5	17.2	16.5	17.6	16.5	17.5	16.6	17.5	16.5	17.4	17.5	16.4
175.0	17.9	16.9	17.7	17.0	17.7	17.0	18.0	16.9	17.8	17.0	17.7	16.7	17.8	17.7	16.9
180.0	18.0	17.2	17.7	17.2	17.7	17.2	17.9	17.1	17.7	17.2	17.7	17.1	18.0	17.8	17.2

Temperature: 25.3 °C
 Operators:
 Test Date: 03-06-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 90Ra. 1,4% Flickering. Temp 36.9

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UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2103	2101	2102	2100	2103	2103	2102	2104	2102
5.0	2097	2097	2101	2100	2105	2098	2104	2099	2102
10.0	2078	2073	2082	2078	2084	2077	2079	2074	2083
15.0	2037	2036	2045	2040	2041	2042	2049	2035	2041
20.0	1983	1983	1991	1984	1995	1987	1995	1987	1994
25.0	1915	1905	1924	1909	1923	1914	1930	1913	1920
30.0	1818	1802	1830	1809	1830	1811	1829	1804	1818
35.0	1679	1667	1699	1680	1697	1669	1688	1658	1666
40.0	1446	1434	1497	1488	1507	1462	1486	1439	1434
45.0	1055	1069	1161	1155	1201	1143	1192	1137	1122
50.0	802	680	789	860	835	784	871	851	795
55.0	599	455	542	663	588	492	652	670	557
60.0	468	321	418	504	445	339	490	520	433
65.0	359	248	347	405	368	255	378	392	359
70.0	285	233	306	297	317	228	305	287	309
75.0	191	191	241	161	247	202	245	196	249
80.0	172	117	159	119	168	136	183	149	178
85.0	87.8	65.5	95.0	78.0	102	73.5	111	86.2	102
90.0	17.5	4.30	26.8	13.2	37.2	20.4	40.9	20.8	37.2
95.0	10.5	3.40	10.7	3.50	11.0	3.50	11.5	3.50	11.0
100.0	9.90	4.10	9.90	4.10	10.1	4.10	10.2	4.10	10.1
105.0	9.70	4.80	9.70	4.80	9.80	4.90	9.90	4.80	9.70
110.0	9.80	5.70	9.70	5.60	9.90	5.70	9.90	5.70	9.80
115.0	10.2	6.80	10.2	6.60	10.2	6.70	10.3	6.60	10.2
120.0	10.8	8.00	10.8	7.80	10.8	7.80	10.9	7.70	10.8
125.0	11.5	9.00	11.5	8.80	11.5	8.90	11.5	8.70	11.5
130.0	12.2	10.0	12.1	9.80	12.2	9.90	12.1	9.70	12.2
135.0	12.9	10.8	12.7	10.7	12.8	10.7	12.7	10.5	12.8
140.0	13.4	11.5	13.3	11.5	13.4	11.5	13.3	11.4	13.4
145.0	14.0	12.3	13.9	12.4	14.0	12.4	13.9	12.3	13.9
150.0	14.5	13.2	14.5	13.2	14.7	13.2	14.5	13.0	14.5
155.0	15.2	14.1	15.2	14.1	15.4	14.1	15.2	14.0	15.2
160.0	16.1	15.0	16.0	15.0	16.2	14.9	16.0	15.0	16.0
165.0	16.6	15.9	16.6	15.9	16.7	15.6	16.5	15.8	16.6
170.0	17.2	16.4	17.2	16.5	17.2	16.3	17.2	16.4	17.2
175.0	17.7	16.9	17.5	17.1	17.5	16.6	17.6	16.7	17.5
180.0	17.9	17.2	17.7	17.4	17.7	17.2	17.8	17.2	17.6

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