

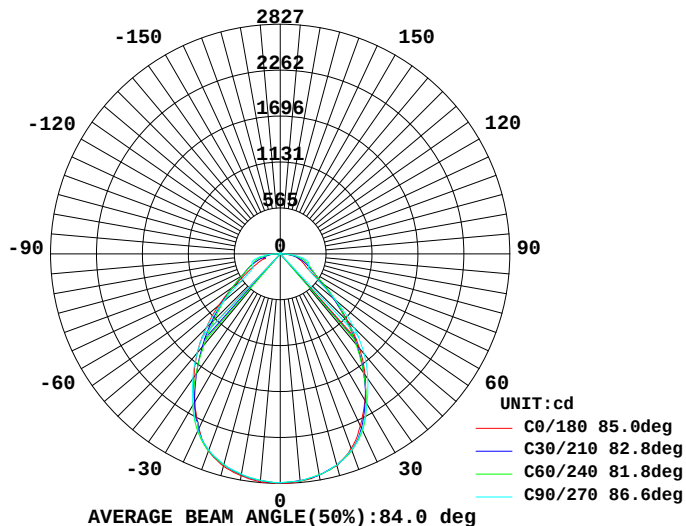
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 82Ra 5000K 40W Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4982	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	2827	S/MH(C0/180)	1.13
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.15
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5654.6	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	136.2	Current(A)	0.195
NOMINAL FLUX(lm)	5654.6	η up(%)	1.3	Power(W)	41.50
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.963
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	5654.6	EEI	0.100

LUMINOUS INTENSITY DISTRIBUTION



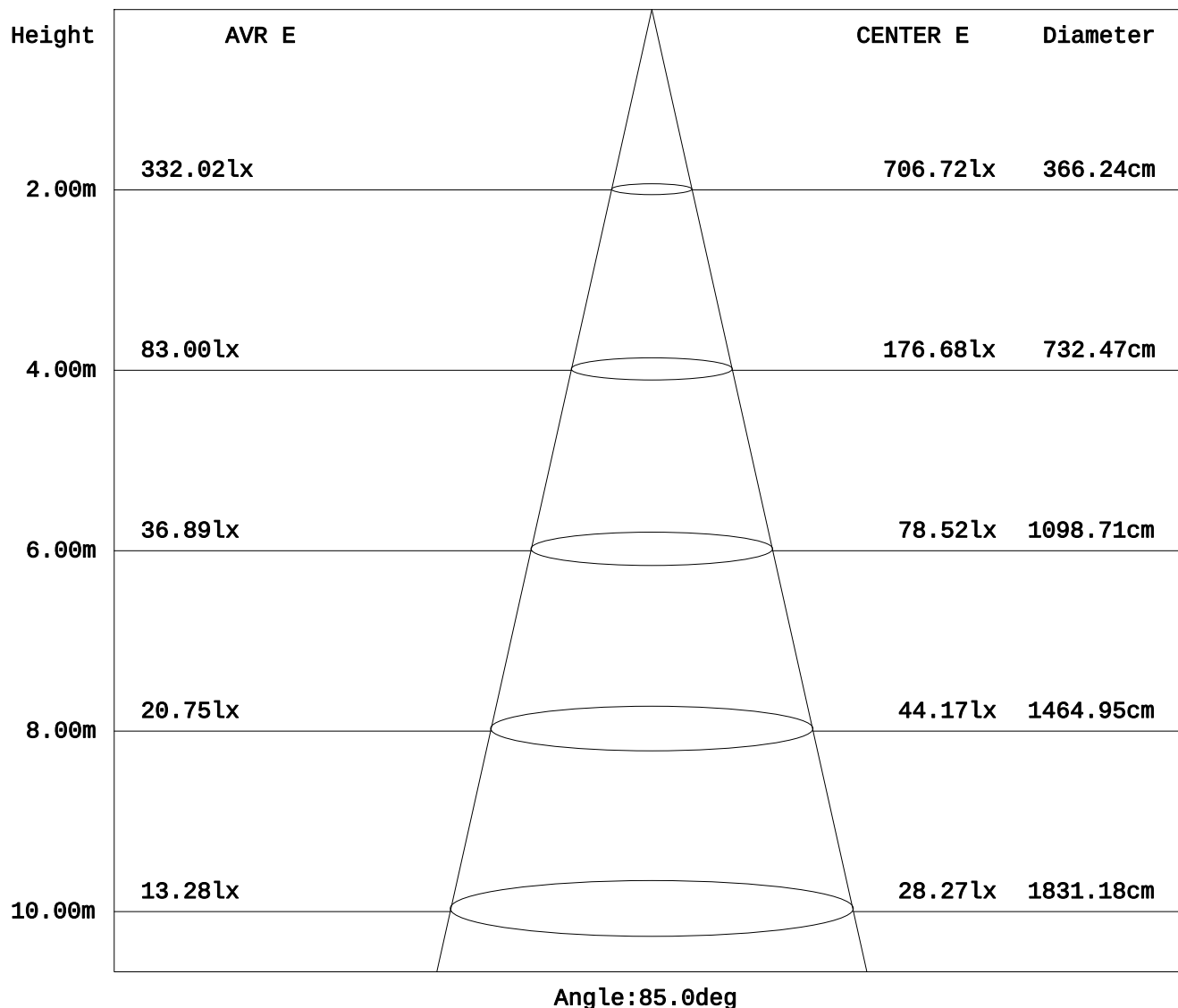
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:03-21-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 83Ra. 0.9% Flicker. 30.3 Temp

AVERAGE AND CENTER E Figure

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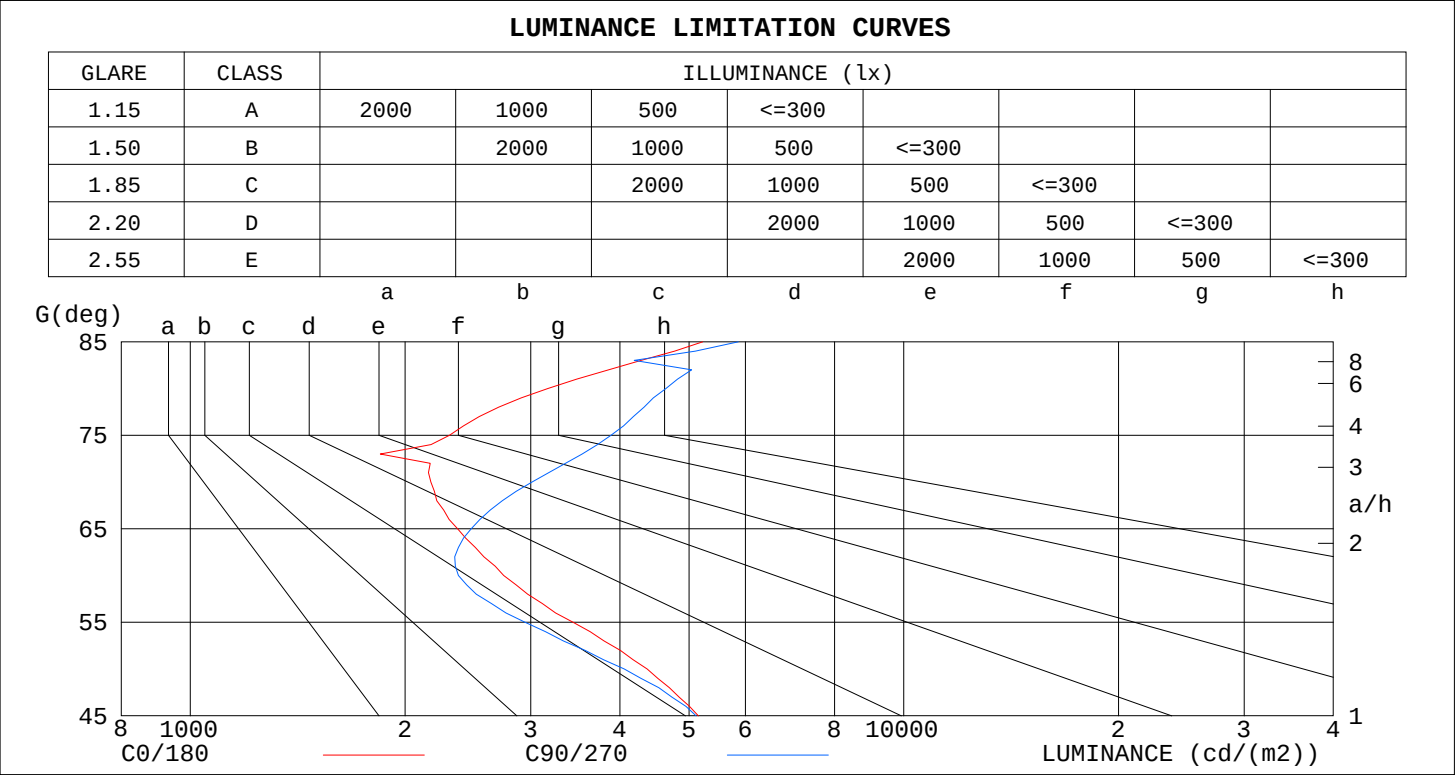
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	5224	5860
80	3169	4641
75	2308	3887
70	2173	3013
65	2369	2476
60	2750	2375
55	3438	2944
50	4369	4056
45	5152	5116

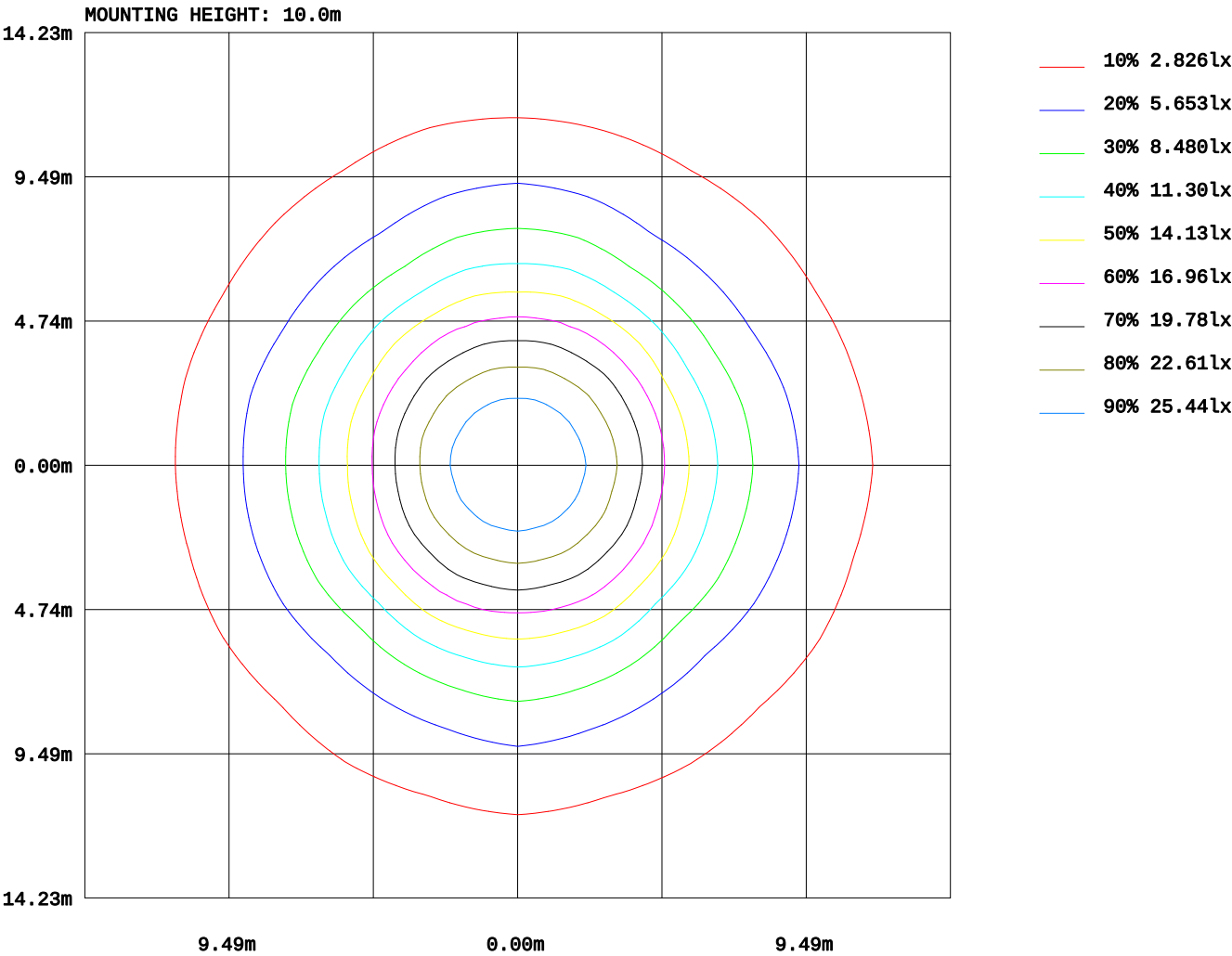
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ISOLUX DIAGRAM

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UGR Table

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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	16.2	17.6	16.5	17.8	18.0	16.0	17.3	16.3	17.5	17.8
3H	17.0	18.3	17.3	18.5	18.8	17.2	18.5	17.5	18.7	19.0
4H	17.4	18.6	17.7	18.9	19.1	18.2	19.4	18.6	19.7	20.0
6H	18.0	19.1	18.4	19.4	19.7	19.3	20.4	19.6	20.7	21.0
8H	18.4	19.5	18.8	19.8	20.1	19.7	20.8	20.1	21.1	21.4
12H	18.9	19.9	19.3	20.3	20.6	20.2	21.2	20.5	21.5	21.8
4H 2H	16.6	17.8	16.9	18.1	18.3	16.4	17.6	16.8	17.9	18.1
3H	17.7	18.8	18.1	19.1	19.4	18.0	19.0	18.4	19.3	19.7
4H	18.3	19.3	18.7	19.6	20.0	19.2	20.1	19.6	20.5	20.8
6H	19.1	19.9	19.5	20.3	20.7	20.4	21.3	20.8	21.6	22.0
8H	19.6	20.4	20.0	20.8	21.2	20.9	21.7	21.4	22.1	22.5
12H	20.2	20.9	20.6	21.3	21.7	21.4	22.2	21.9	22.6	23.0
8H 4H	18.7	19.4	19.1	19.8	20.2	19.4	20.2	19.9	20.6	21.0
6H	19.6	20.3	20.1	20.7	21.2	20.9	21.5	21.3	22.0	22.4
8H	20.3	20.8	20.7	21.3	21.8	21.6	22.1	22.0	22.6	23.1
12H	20.9	21.4	21.4	21.9	22.4	22.2	22.7	22.7	23.2	23.7
12H 4H	18.7	19.5	19.2	19.9	20.3	19.5	20.2	19.9	20.6	21.0
6H	19.8	20.3	20.2	20.8	21.3	20.9	21.5	21.4	22.0	22.4
8H	20.4	20.9	20.9	21.4	21.9	21.7	22.2	22.2	22.7	23.2

Variations with the observer position at spacings:

S = 1.0H	+ 0.3 / - 0.3	+ 0.2 / - 0.3
1.5H	+ 0.2 / - 0.3	+ 0.1 / - 0.2
2.0H	+ 0.6 / - 0.6	+ 0.5 / - 0.4

CIE Pub.117 Corrected 5655 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

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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	2827	2821	2821	2819	2818	2818	2817	2817	2818	2818	2817	2820	2827	2821	2821
5.0	2820	2808	2802	2796	2800	2795	2800	2795	2799	2794	2799	2800	2812	2803	2801
10.0	2774	2763	2763	2756	2757	2750	2754	2748	2755	2752	2761	2754	2767	2767	2766
15.0	2707	2692	2688	2696	2691	2695	2683	2695	2686	2696	2687	2695	2704	2697	2695
20.0	2585	2561	2579	2571	2581	2560	2573	2560	2575	2561	2571	2551	2550	2572	2570
25.0	2369	2355	2389	2388	2408	2385	2396	2384	2406	2377	2373	2342	2336	2366	2368
30.0	2105	2081	2108	2094	2148	2128	2145	2124	2137	2087	2109	2087	2088	2117	2095
35.0	1854	1808	1800	1736	1812	1830	1878	1822	1803	1750	1815	1811	1820	1841	1790
40.0	1593	1538	1494	1408	1461	1513	1595	1499	1460	1420	1493	1508	1519	1542	1474
45.0	1290	1235	1203	1123	1151	1183	1281	1166	1146	1102	1159	1167	1187	1201	1148
50.0	994	921	941	890	916	876	923	868	897	839	864	836	861	874	859
55.0	698	659	716	707	718	623	598	610	686	644	633	593	603	634	640
60.0	487	482	547	550	550	456	420	442	520	505	487	436	424	474	491
65.0	355	368	448	411	440	386	370	377	427	393	403	358	339	386	395
70.0	263	286	354	308	370	361	365	360	363	307	345	309	288	331	330
75.0	212	224	265	229	316	330	356	334	310	233	272	253	237	278	249
80.0	195	181	194	164	247	245	285	247	242	168	203	200	206	199	176
85.0	161	111	111	76.8	148	132	181	126	142	71.9	112	108	120	146	85.5
90.0	30.1	9.00	24.5	8.60	30.7	10.2	31.7	5.40	19.6	3.70	15.4	3.90	4.70	23.2	4.70
95.0	11.5	4.30	11.3	4.30	11.9	4.50	12.2	4.40	11.8	4.30	11.2	4.20	4.60	11.5	4.30
100.0	10.7	4.90	10.7	5.00	11.1	5.10	11.3	5.10	11.0	5.10	10.5	4.90	5.40	10.9	5.10
105.0	10.5	5.80	10.5	5.90	10.9	6.00	11.1	6.00	10.8	5.90	10.5	5.80	6.40	10.8	6.00
110.0	10.8	6.80	10.8	6.90	11.1	7.00	11.3	7.00	11.0	7.00	10.8	6.90	7.50	11.1	7.00
115.0	11.4	7.90	11.3	8.10	11.7	8.29	11.9	8.20	11.5	8.10	11.3	8.10	8.80	11.7	8.20
120.0	12.2	9.20	12.2	9.40	12.5	9.60	12.8	9.60	12.4	9.40	12.2	9.40	10.2	12.6	9.60
125.0	13.2	10.5	13.0	10.7	13.3	10.9	13.6	10.9	13.3	10.7	13.0	10.7	11.7	13.5	10.9
130.0	14.2	11.8	13.9	11.9	14.2	12.1	14.5	12.1	14.3	12.0	14.0	12.0	12.9	14.4	12.2
135.0	15.0	13.0	14.8	13.0	15.0	13.2	15.2	13.2	15.0	13.2	15.0	13.2	14.2	15.4	13.4
140.0	16.1	14.1	15.7	14.2	15.9	14.3	16.1	14.2	15.9	14.3	15.9	14.5	15.4	16.4	14.5
145.0	17.0	15.2	16.5	15.2	16.9	15.4	16.9	15.2	16.7	15.5	16.9	15.8	16.7	17.5	15.8
150.0	18.0	16.5	17.6	16.5	17.8	16.6	17.8	16.5	17.7	16.5	17.9	17.0	18.0	18.5	17.0
155.0	19.0	17.8	18.6	17.6	18.7	17.9	18.7	17.7	18.7	17.7	18.7	18.1	19.0	19.5	18.0
160.0	20.0	18.9	19.7	18.7	19.6	19.0	19.7	18.7	19.7	18.7	19.6	19.2	19.9	20.4	18.9
165.0	21.0	19.9	20.7	19.6	20.5	19.7	20.7	19.6	20.6	19.7	20.5	19.9	20.6	20.9	19.6
170.0	21.6	20.6	21.4	20.5	21.1	20.5	21.5	20.4	21.2	20.5	21.1	20.5	21.4	21.5	20.5
175.0	22.0	20.9	21.6	21.0	21.6	20.9	22.0	20.9	21.6	21.0	21.6	20.9	21.9	21.6	21.0
180.0	22.2	21.2	21.7	21.5	21.9	21.2	22.1	21.2	21.7	21.4	21.7	21.1	22.3	21.7	21.4

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2819	2818	2818	2817	2817	2818	2818	2817	2820
5.0	2806	2807	2812	2806	2807	2802	2803	2798	2804
10.0	2770	2760	2769	2764	2767	2759	2766	2760	2765
15.0	2703	2698	2693	2694	2693	2701	2697	2694	2692
20.0	2584	2575	2579	2567	2577	2574	2582	2567	2573
25.0	2408	2401	2405	2386	2401	2394	2407	2370	2366
30.0	2128	2123	2158	2138	2161	2124	2115	2065	2092
35.0	1794	1789	1880	1879	1883	1781	1761	1750	1817
40.0	1469	1456	1574	1612	1566	1428	1429	1448	1546
45.0	1154	1146	1247	1288	1218	1121	1145	1159	1239
50.0	890	888	922	890	893	889	922	908	935
55.0	688	657	639	570	636	683	737	691	681
60.0	531	496	476	420	481	526	559	522	508
65.0	416	419	417	386	422	433	418	421	394
70.0	333	362	394	373	394	368	322	329	310
75.0	266	304	361	350	359	309	254	234	248
80.0	206	220	282	284	282	219	197	159	207
85.0	117	113	175	140	176	107	106	79.1	146
90.0	21.0	5.40	24.9	4.60	21.0	3.80	15.5	3.60	20.1
95.0	11.4	4.50	12.2	4.40	12.1	4.40	11.2	4.20	11.3
100.0	10.9	5.10	11.3	5.10	11.2	5.00	10.5	4.90	10.5
105.0	10.7	6.10	11.1	5.90	10.9	5.80	10.4	5.70	10.5
110.0	11.0	7.10	11.3	7.00	11.1	6.80	10.5	6.70	10.7
115.0	11.5	8.20	11.8	8.20	11.5	8.00	11.2	7.80	11.3
120.0	12.4	9.50	12.6	9.60	12.5	9.30	12.0	9.20	12.2
125.0	13.3	10.9	13.5	10.9	13.4	10.7	13.0	10.5	13.0
130.0	14.3	12.1	14.4	12.1	14.3	11.9	14.0	11.8	14.1
135.0	15.2	13.3	15.2	13.2	15.0	13.0	14.9	13.0	15.0
140.0	16.2	14.4	16.0	14.3	16.0	14.2	15.8	14.1	15.9
145.0	17.1	15.4	16.7	15.2	16.9	15.2	16.6	15.2	16.7
150.0	18.0	16.5	17.7	16.4	17.8	16.4	17.6	16.4	17.8
155.0	18.9	17.6	18.7	17.5	18.7	17.5	18.5	17.6	18.9
160.0	19.6	18.7	19.6	18.6	19.7	18.6	19.5	18.7	19.9
165.0	20.6	19.6	20.5	19.6	20.6	19.5	20.5	19.9	20.8
170.0	21.1	20.5	21.1	20.6	21.1	20.2	21.1	20.5	21.4
175.0	21.7	21.0	21.6	21.1	21.6	20.9	21.6	20.9	21.6
180.0	21.9	21.4	21.7	21.6	21.7	21.2	21.9	21.2	21.6

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