

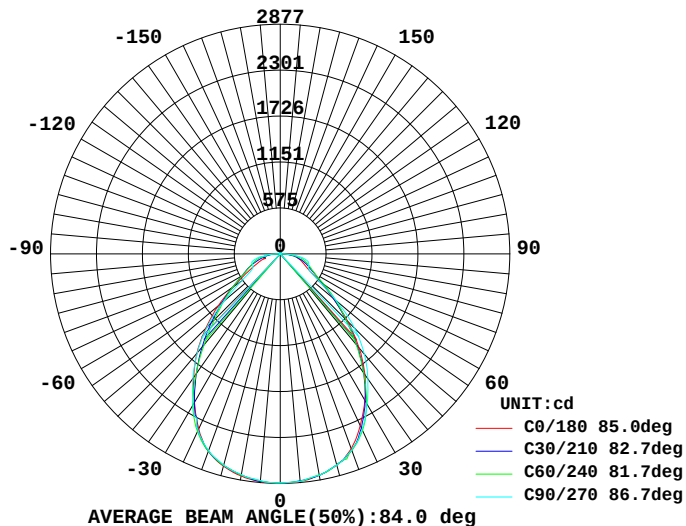
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 82Ra 4000K 40W Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4200	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	2877	S/MH(C0/180)	1.13
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.15
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5755.4	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	138.4	Current(A)	0.195
NOMINAL FLUX(lm)	5755.4	η up(%)	1.3	Power(W)	41.58
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.963
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	5755.4	EEI	0.098

LUMINOUS INTENSITY DISTRIBUTION



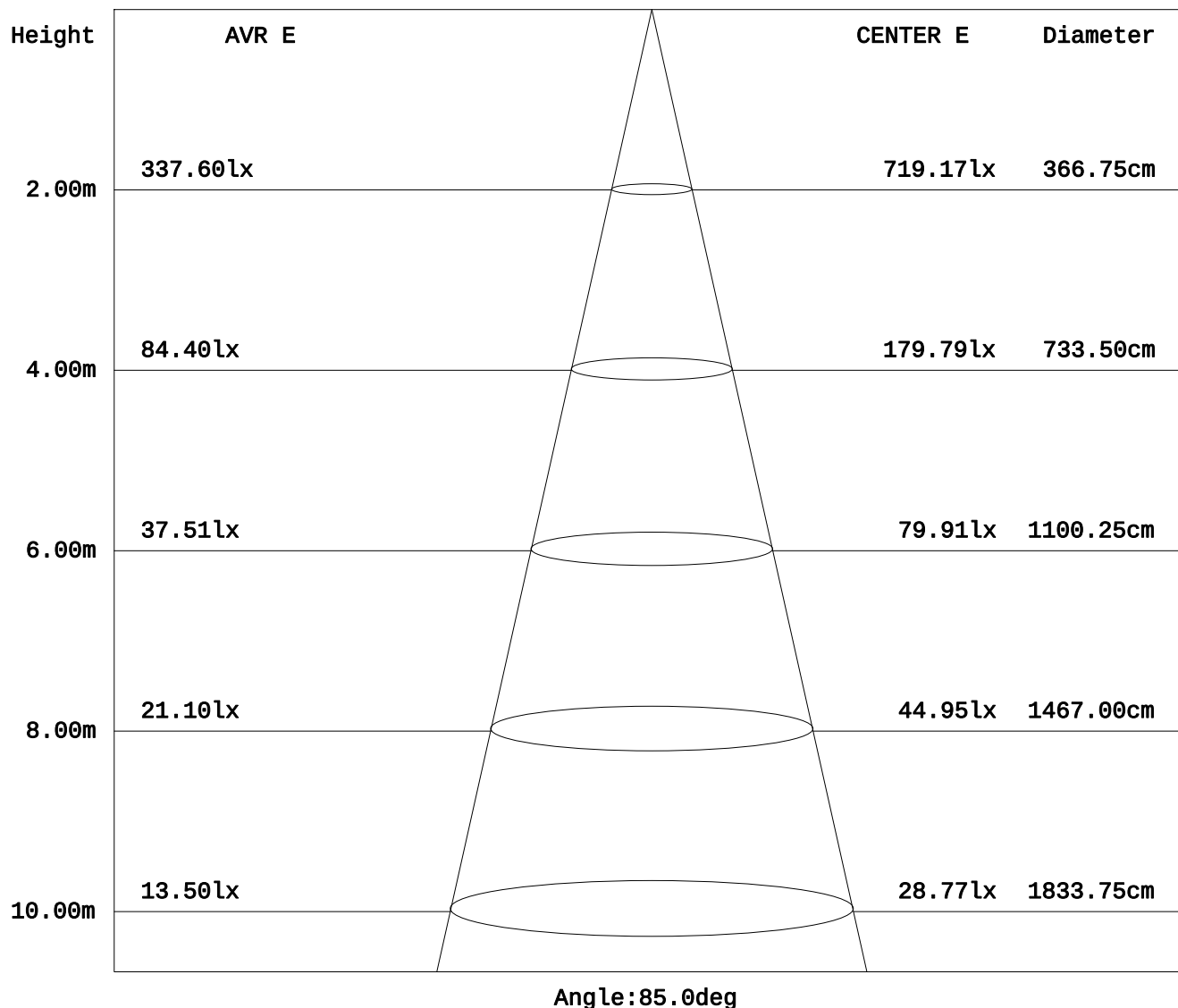
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:03-21-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 82Ra. 0.9% Flicker. 30.4 Temp

AVERAGE AND CENTER E Figure

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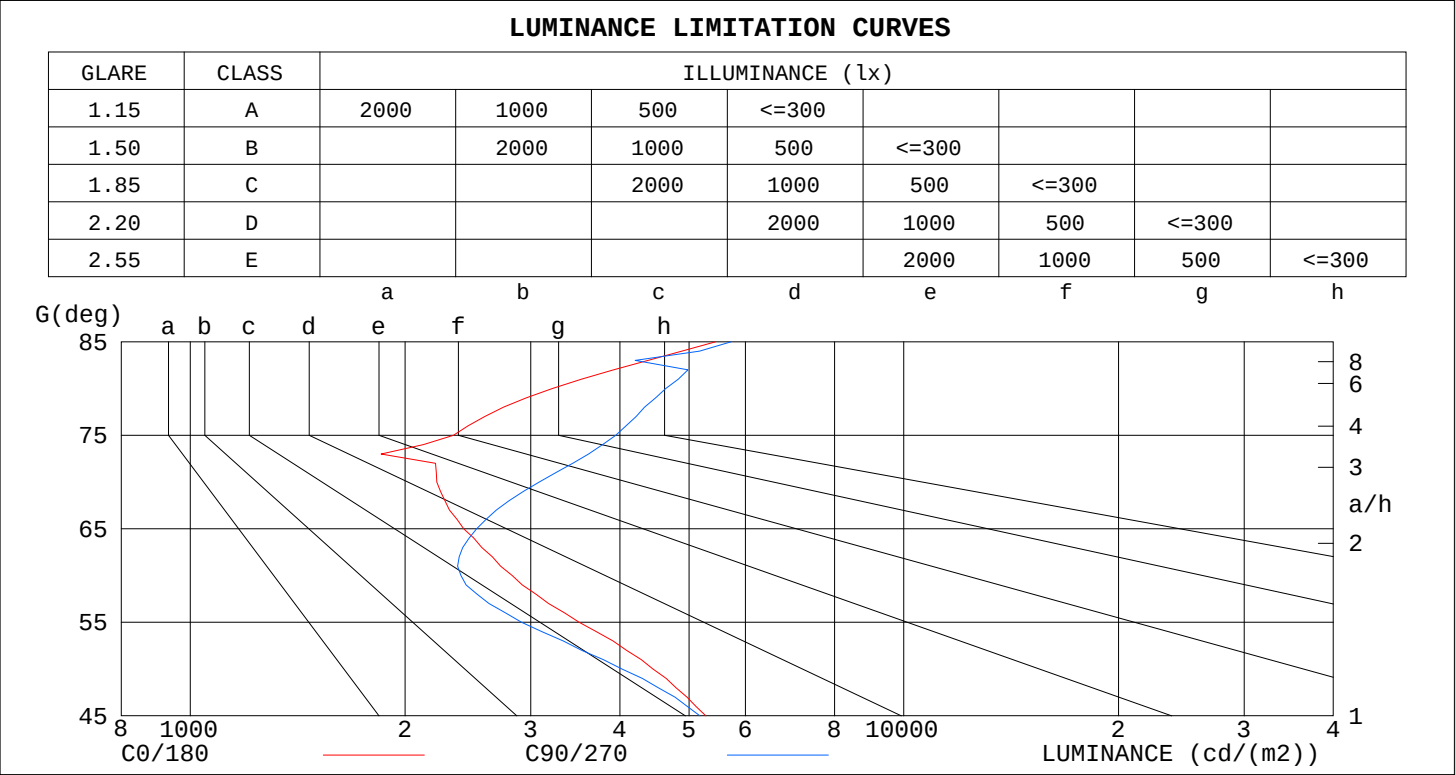
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	5445	5727
80	3216	4638
75	2338	3946
70	2215	3084
65	2417	2519
60	2826	2395
55	3506	2911
50	4449	4026
45	5281	5181

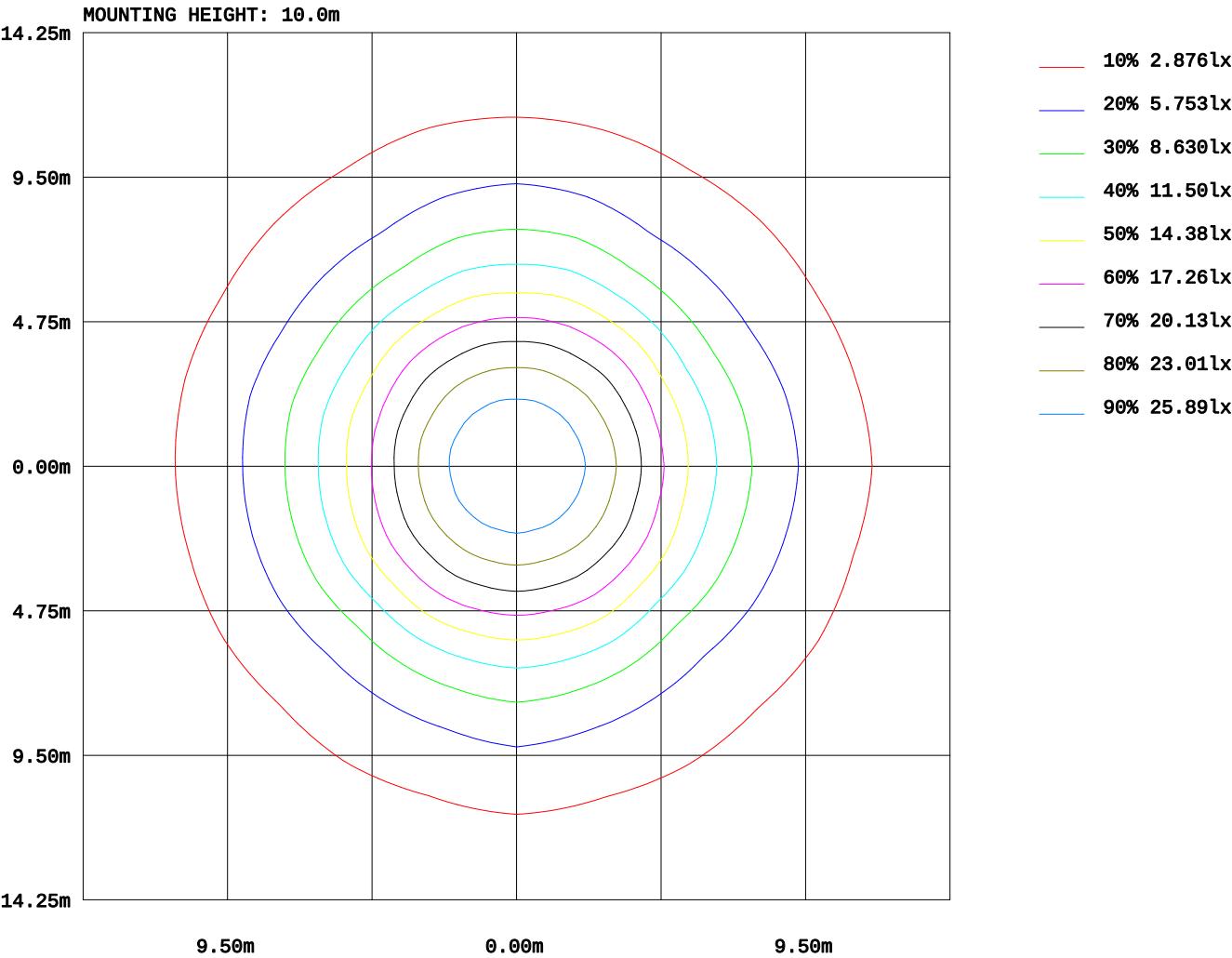
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4200	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	16.3	17.6	16.5	17.8	18.0	16.0	17.3	16.3	17.5	17.8
3H	17.1	18.3	17.4	18.6	18.8	17.3	18.5	17.6	18.7	19.0
4H	17.5	18.7	17.8	18.9	19.2	18.3	19.4	18.6	19.7	20.0
6H	18.1	19.2	18.4	19.5	19.8	19.3	20.4	19.7	20.7	21.0
8H	18.5	19.6	18.8	19.9	20.2	19.7	20.8	20.1	21.1	21.4
12H	19.0	20.0	19.4	20.3	20.7	20.1	21.2	20.5	21.5	21.8
4H 2H	16.7	17.8	17.0	18.1	18.4	16.4	17.6	16.8	17.9	18.1
3H	17.8	18.8	18.2	19.2	19.5	18.0	19.0	18.4	19.4	19.7
4H	18.4	19.4	18.8	19.7	20.1	19.2	20.1	19.6	20.5	20.8
6H	19.2	20.0	19.6	20.4	20.8	20.4	21.3	20.8	21.6	22.0
8H	19.7	20.4	20.1	20.8	21.2	20.9	21.7	21.4	22.1	22.5
12H	20.2	21.0	20.7	21.4	21.8	21.4	22.1	21.9	22.5	23.0
8H 4H	18.7	19.5	19.2	19.9	20.3	19.5	20.2	19.9	20.6	21.0
6H	19.7	20.4	20.2	20.8	21.2	20.9	21.5	21.4	22.0	22.4
8H	20.3	20.9	20.8	21.3	21.8	21.5	22.1	22.0	22.6	23.0
12H	21.0	21.5	21.5	22.0	22.5	22.1	22.6	22.6	23.1	23.6
12H 4H	18.8	19.5	19.3	19.9	20.4	19.5	20.2	19.9	20.6	21.0
6H	19.8	20.4	20.3	20.8	21.3	20.9	21.5	21.4	22.0	22.4
8H	20.5	21.0	21.0	21.5	22.0	21.7	22.2	22.2	22.6	23.1

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 5755 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.1)

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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	2877	2875	2873	2874	2871	2869	2869	2868	2868	2871	2868	2868	2877	2875	2873
5.0	2865	2858	2860	2857	2855	2849	2851	2849	2851	2854	2857	2859	2862	2860	2855
10.0	2825	2816	2812	2809	2816	2806	2809	2802	2811	2811	2810	2808	2815	2817	2819
15.0	2752	2741	2744	2735	2745	2734	2740	2731	2742	2731	2742	2729	2737	2747	2736
20.0	2632	2612	2630	2625	2631	2615	2622	2612	2626	2614	2616	2599	2599	2623	2620
25.0	2417	2398	2435	2436	2453	2429	2438	2424	2447	2420	2413	2379	2373	2403	2407
30.0	2151	2125	2155	2140	2194	2170	2185	2161	2172	2124	2147	2126	2120	2154	2127
35.0	1889	1847	1832	1771	1841	1865	1907	1852	1821	1779	1839	1841	1853	1876	1825
40.0	1623	1568	1519	1428	1479	1533	1614	1510	1468	1431	1507	1524	1537	1560	1495
45.0	1322	1265	1228	1143	1168	1200	1297	1177	1156	1114	1174	1182	1195	1221	1162
50.0	1013	944	954	905	925	884	916	871	899	847	866	843	871	887	874
55.0	712	670	725	715	722	623	591	604	683	646	635	593	603	638	646
60.0	500	493	557	558	556	461	424	444	522	510	493	441	425	480	497
65.0	362	377	454	416	443	392	377	384	429	396	407	363	344	392	402
70.0	268	291	361	310	375	367	373	367	367	307	347	312	291	334	334
75.0	214	229	270	232	320	335	362	338	313	234	274	256	239	281	253
80.0	198	184	195	165	247	247	285	247	240	168	201	202	209	192	181
85.0	168	112	114	74.4	148	125	177	116	138	65.5	110	102	115	145	86.1
90.0	34.0	9.09	24.1	7.50	27.5	7.30	25.7	4.10	16.4	3.80	14.3	3.70	4.10	21.6	4.20
95.0	11.5	4.30	11.4	4.40	12.0	4.60	12.3	4.60	11.8	4.50	11.2	4.20	4.60	11.5	4.40
100.0	10.8	5.00	10.8	5.20	11.2	5.20	11.4	5.30	11.1	5.20	10.7	5.00	5.50	10.9	5.20
105.0	10.7	5.80	10.7	6.00	11.0	6.10	11.2	6.10	10.9	6.10	10.7	6.00	6.50	10.9	6.10
110.0	10.9	6.80	10.9	7.00	11.2	7.20	11.4	7.20	11.2	7.10	10.9	7.00	7.60	11.3	7.10
115.0	11.5	8.00	11.4	8.20	11.8	8.50	12.0	8.50	11.7	8.29	11.5	8.29	9.00	11.9	8.40
120.0	12.4	9.30	12.2	9.60	12.6	9.80	12.9	9.80	12.5	9.60	12.3	9.50	10.4	12.7	9.70
125.0	13.3	10.7	13.2	10.8	13.5	11.1	13.9	11.1	13.5	10.9	13.3	10.9	11.8	13.6	11.1
130.0	14.4	12.0	14.1	12.1	14.4	12.3	14.7	12.3	14.4	12.2	14.2	12.1	13.0	14.5	12.3
135.0	15.2	13.0	15.0	13.2	15.2	13.4	15.5	13.4	15.2	13.4	15.2	13.4	14.4	15.6	13.6
140.0	16.3	14.3	15.9	14.4	16.2	14.5	16.3	14.4	16.2	14.5	16.2	14.7	15.8	16.6	14.8
145.0	17.2	15.5	16.7	15.6	17.1	15.7	17.2	15.6	17.0	15.7	17.2	16.1	17.0	17.8	16.1
150.0	18.2	16.7	17.8	16.6	18.0	16.9	18.0	16.7	18.0	16.7	18.1	17.2	18.2	18.7	17.2
155.0	19.3	18.0	18.9	17.9	19.1	18.0	19.1	18.0	19.0	18.0	19.1	18.5	19.3	19.7	18.2
160.0	20.2	19.2	20.0	19.1	20.0	19.3	20.1	19.1	20.0	19.1	20.0	19.5	20.2	20.7	19.2
165.0	21.2	20.1	21.0	20.0	20.8	20.2	21.0	20.0	21.0	20.0	20.8	20.2	20.9	21.1	20.0
170.0	22.0	20.9	21.6	20.8	21.5	20.8	21.7	20.7	21.6	20.9	21.5	20.8	21.6	21.7	20.8
175.0	22.3	21.1	22.0	21.4	22.0	21.1	22.3	21.1	22.0	21.4	22.0	21.1	22.2	22.0	21.2
180.0	22.5	21.6	22.2	21.7	22.2	21.6	22.5	21.5	22.1	21.6	22.1	21.6	22.6	22.1	21.6

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2874	2871	2869	2869	2868	2868	2871	2868	2868
5.0	2861	2860	2863	2860	2860	2853	2856	2855	2857
10.0	2820	2812	2823	2819	2820	2810	2818	2810	2818
15.0	2756	2737	2747	2739	2747	2734	2749	2736	2746
20.0	2636	2623	2630	2616	2629	2622	2632	2615	2622
25.0	2449	2441	2450	2427	2446	2437	2451	2413	2412
30.0	2168	2161	2205	2173	2207	2165	2163	2105	2139
35.0	1831	1825	1919	1917	1924	1829	1805	1789	1857
40.0	1491	1479	1603	1640	1602	1463	1458	1476	1575
45.0	1178	1165	1276	1318	1260	1149	1175	1183	1273
50.0	909	910	951	928	929	918	947	933	964
55.0	699	672	654	589	655	705	755	707	697
60.0	542	505	488	428	495	540	579	534	523
65.0	425	427	425	392	429	445	433	432	405
70.0	338	367	401	378	400	377	331	338	317
75.0	272	309	371	358	369	318	263	241	255
80.0	208	228	293	285	294	232	205	166	211
85.0	120	118	183	151	186	118	114	84.4	151
90.0	22.0	5.70	31.0	5.90	30.1	4.00	20.2	3.90	24.2
95.0	11.5	4.50	12.4	4.50	12.3	4.30	11.4	4.20	11.5
100.0	11.0	5.20	11.5	5.10	11.3	5.00	10.7	4.90	10.7
105.0	10.9	6.20	11.2	6.00	11.0	5.80	10.5	5.70	10.5
110.0	11.2	7.10	11.4	7.00	11.2	6.80	10.8	6.70	10.8
115.0	11.7	8.29	11.9	8.29	11.8	8.10	11.4	8.00	11.4
120.0	12.6	9.70	12.7	9.70	12.6	9.40	12.2	9.30	12.3
125.0	13.5	11.0	13.7	11.0	13.5	10.7	13.0	10.5	13.3
130.0	14.5	12.3	14.5	12.3	14.5	12.1	14.1	12.0	14.2
135.0	15.4	13.5	15.4	13.4	15.2	13.2	15.0	13.2	15.2
140.0	16.4	14.5	16.2	14.4	16.2	14.4	16.0	14.3	16.1
145.0	17.2	15.7	17.0	15.5	17.1	15.5	16.9	15.5	17.0
150.0	18.1	16.6	18.0	16.6	18.0	16.6	17.8	16.5	18.0
155.0	19.1	17.9	19.0	17.8	19.0	17.8	18.7	17.8	19.1
160.0	20.0	19.1	20.0	18.9	20.0	18.7	19.7	19.1	20.2
165.0	20.8	20.1	20.8	20.0	20.9	19.6	20.8	20.1	21.0
170.0	21.6	20.8	21.5	20.9	21.5	20.6	21.4	20.7	21.6
175.0	22.1	21.2	21.9	21.5	21.9	21.1	22.0	21.2	21.9
180.0	22.3	21.6	22.1	22.0	22.1	21.6	22.2	21.6	22.0

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