

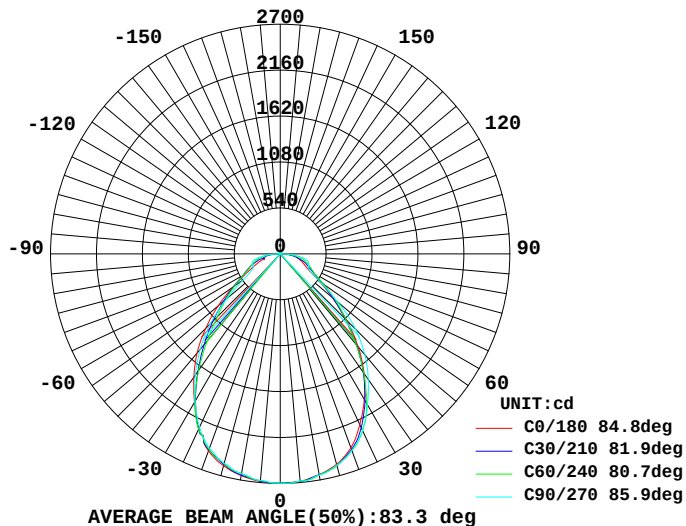
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Advanced 90Ra 5000K 40W Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4255	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	2700	S/MH(C0/180)	1.13
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.13
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5375.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	132.1	Current(A)	0.191
NOMINAL FLUX(lm)	5375.3	η up(%)	1.4	Power(W)	40.70
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.962
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	5375.3	EEI	0.103

LUMINOUS INTENSITY DISTRIBUTION



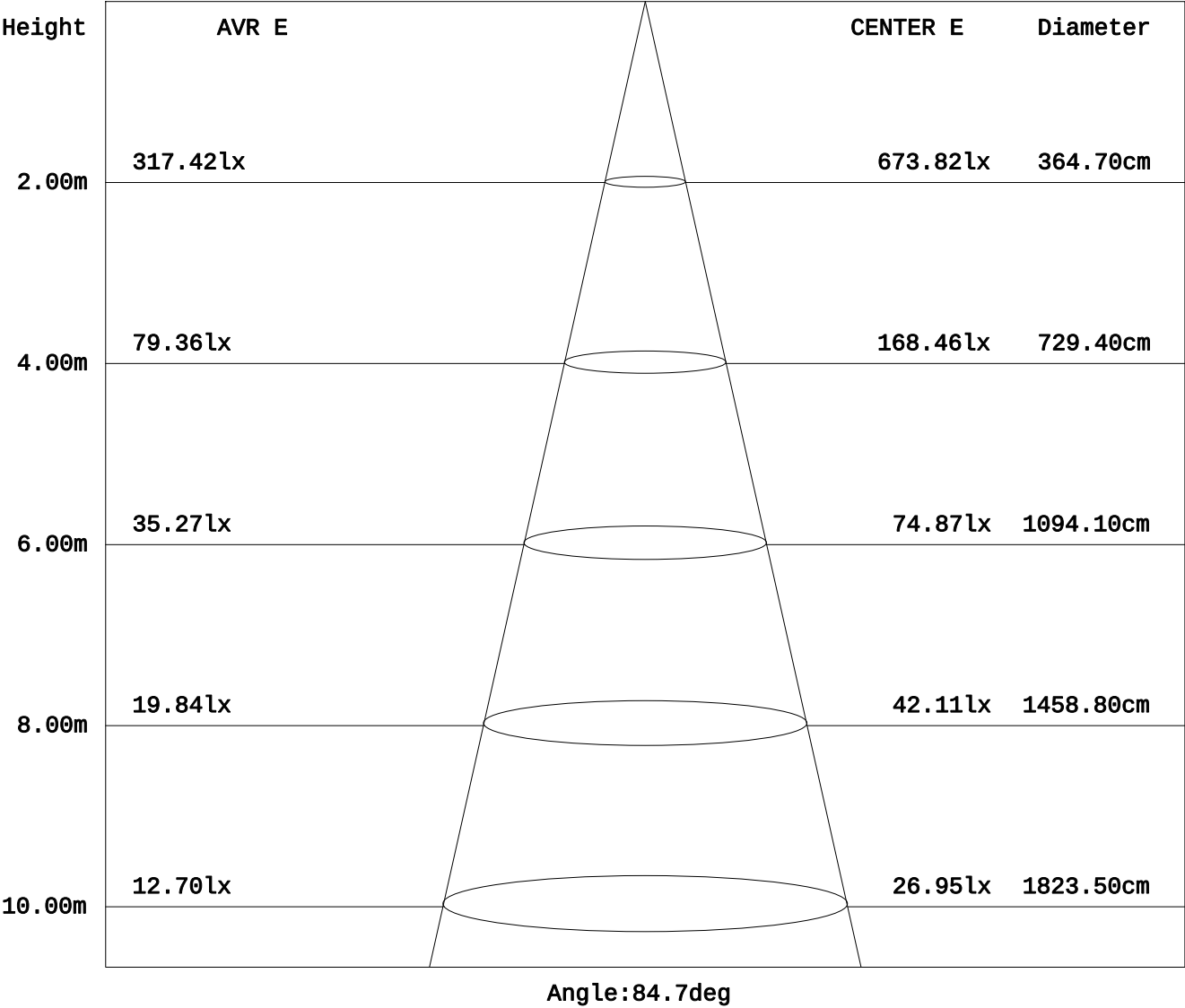
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 03-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 92Ra. 1.3% Flicker. 28.9 Temp

AVERAGE AND CENTER E Figure

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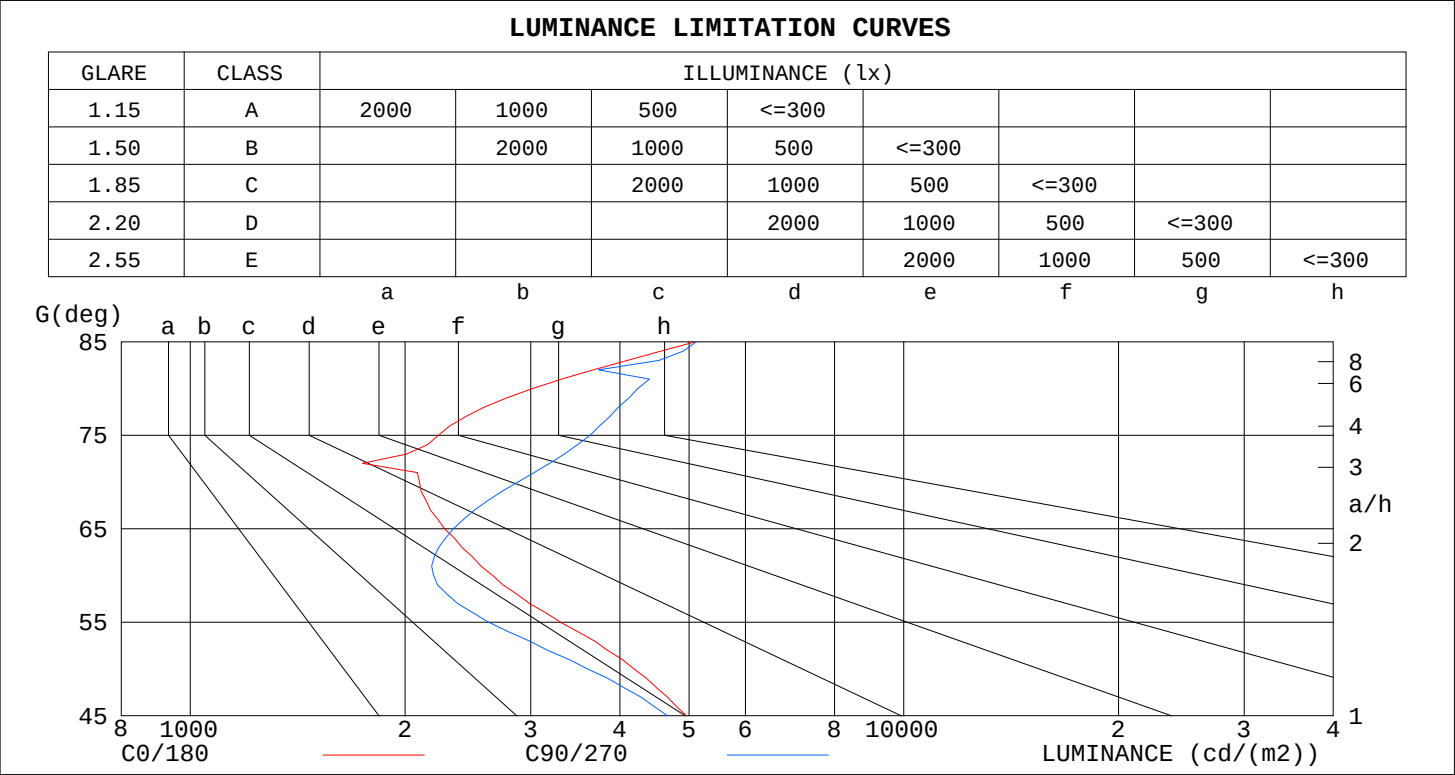
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	5101	5117
80	3017	4239
75	2226	3632
70	2095	2878
65	2271	2338
60	2655	2193
55	3302	2618
50	4187	3604
45	4961	4666

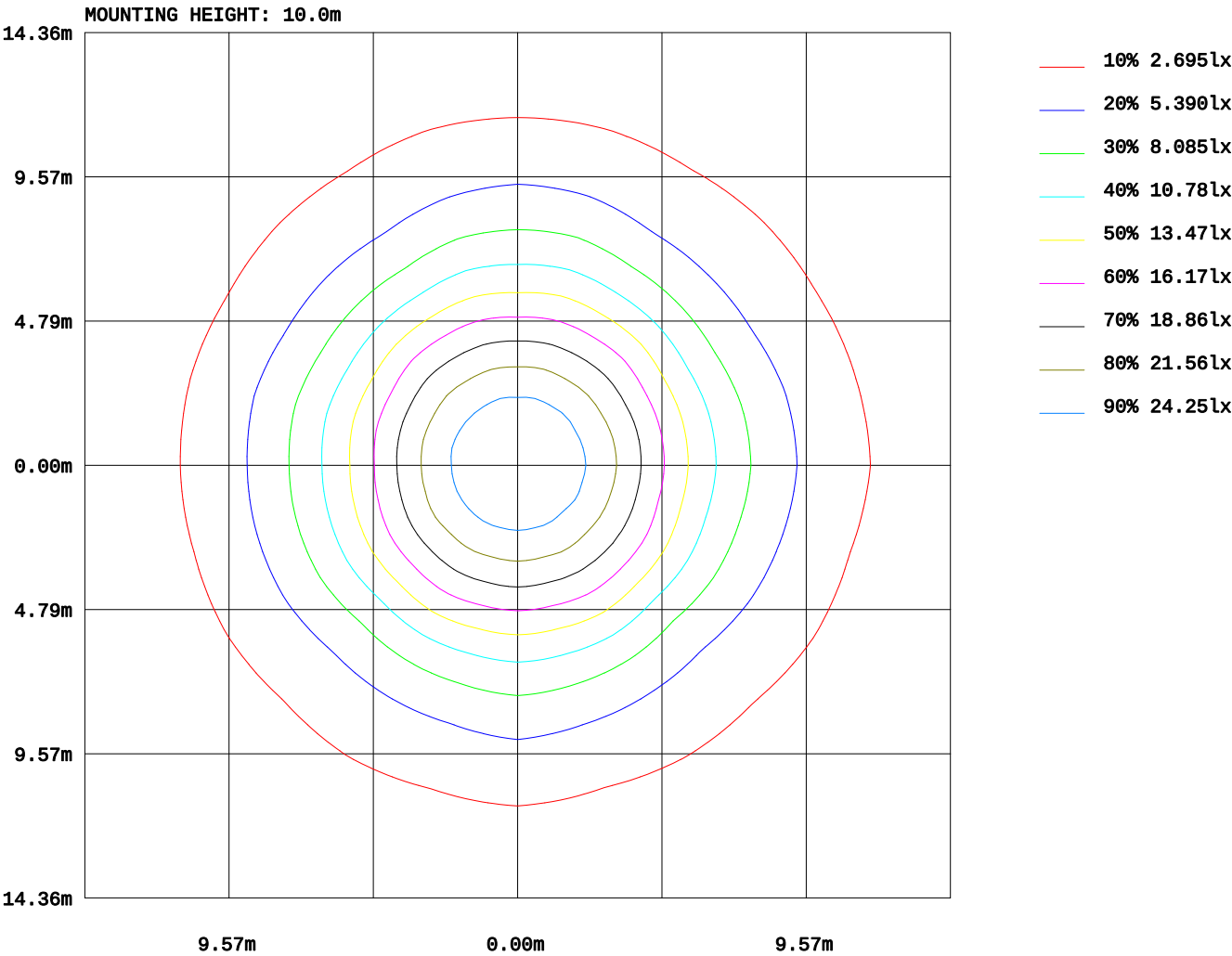
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ISOLUX DIAGRAM

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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	15.9	17.3	16.2	17.5	17.7	15.5	16.8	15.8	17.1	17.3
3H	16.8	18.0	17.1	18.3	18.5	16.8	18.1	17.2	18.3	18.6
4H	17.2	18.4	17.5	18.7	18.9	17.9	19.0	18.2	19.3	19.6
6H	17.8	18.9	18.2	19.2	19.5	18.9	20.0	19.3	20.3	20.6
8H	18.2	19.3	18.6	19.6	19.9	19.3	20.4	19.7	20.7	21.0
12H	18.7	19.8	19.1	20.1	20.4	19.7	20.8	20.1	21.1	21.4
4H 2H	16.3	17.5	16.6	17.8	18.0	16.0	17.1	16.3	17.4	17.7
3H	17.5	18.5	17.8	18.8	19.1	17.6	18.6	18.0	19.0	19.3
4H	18.1	19.0	18.5	19.4	19.7	18.8	19.8	19.2	20.1	20.5
6H	18.9	19.7	19.3	20.1	20.5	20.0	20.9	20.4	21.2	21.6
8H	19.4	20.1	19.8	20.5	20.9	20.5	21.3	20.9	21.7	22.1
12H	19.9	20.7	20.4	21.1	21.5	21.0	21.7	21.4	22.1	22.5
8H 4H	18.4	19.2	18.8	19.6	20.0	19.1	19.9	19.5	20.2	20.7
6H	19.4	20.0	19.8	20.5	20.9	20.5	21.1	20.9	21.6	22.0
8H	20.0	20.6	20.5	21.0	21.5	21.1	21.7	21.6	22.1	22.6
12H	20.7	21.2	21.2	21.7	22.2	21.7	22.2	22.2	22.7	23.2
12H 4H	18.5	19.2	18.9	19.6	20.0	19.1	19.8	19.5	20.2	20.7
6H	19.5	20.1	20.0	20.5	21.0	20.5	21.1	21.0	21.6	22.0
8H	20.2	20.7	20.7	21.1	21.6	21.2	21.7	21.7	22.2	22.7

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 5375 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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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	2695	2696	2694	2694	2698	2693	2695	2693	2693	2697	2698	2693	2695	2696	2694
5.0	2686	2687	2682	2679	2676	2676	2675	2676	2669	2679	2680	2678	2683	2684	2686
10.0	2648	2639	2642	2628	2623	2617	2626	2618	2619	2619	2629	2641	2637	2649	2638
15.0	2580	2564	2563	2556	2554	2544	2551	2540	2549	2546	2565	2558	2560	2574	2574
20.0	2466	2446	2453	2435	2447	2421	2432	2415	2436	2437	2440	2428	2428	2450	2451
25.0	2270	2245	2274	2257	2271	2237	2248	2234	2263	2237	2250	2221	2216	2253	2256
30.0	2020	1982	1996	1968	2011	1984	2003	1979	1999	1964	1997	1983	1976	2017	1991
35.0	1771	1716	1687	1614	1675	1700	1739	1688	1675	1642	1706	1715	1722	1750	1706
40.0	1520	1452	1391	1293	1335	1383	1465	1377	1350	1320	1397	1415	1427	1454	1394
45.0	1242	1169	1120	1034	1052	1072	1168	1076	1068	1032	1089	1095	1108	1132	1081
50.0	953	869	870	822	833	782	820	792	831	786	808	786	808	821	810
55.0	671	617	662	649	649	554	532	553	632	601	595	555	560	591	600
60.0	470	456	510	507	502	417	388	409	485	473	462	413	396	446	461
65.0	340	350	419	376	406	362	350	356	398	368	381	339	320	366	374
70.0	254	274	330	282	344	341	349	340	340	285	323	291	272	313	312
75.0	204	213	249	212	295	307	333	311	289	217	256	239	223	263	235
80.0	186	171	177	149	187	223	261	225	187	153	189	187	194	214	168
85.0	157	101	99.8	58.7	126	105	158	102	126	61.7	102	93.4	106	134	79.4
90.0	36.5	4.90	15.2	3.60	15.8	4.00	23.1	6.10	24.0	5.70	19.1	5.50	5.00	18.1	3.60
95.0	11.3	4.10	10.9	4.20	11.4	4.40	11.8	4.40	11.5	4.40	11.0	4.10	4.50	11.2	4.10
100.0	10.5	4.70	10.3	4.80	10.7	5.00	11.1	5.10	10.8	5.10	10.5	4.90	5.20	10.5	4.80
105.0	10.3	5.50	10.1	5.60	10.5	5.80	10.8	6.00	10.7	5.90	10.4	5.80	6.20	10.5	5.70
110.0	10.5	6.40	10.4	6.60	10.7	6.80	11.1	7.00	10.9	6.90	10.7	6.80	7.30	10.8	6.70
115.0	11.0	7.60	10.9	7.70	11.3	8.10	11.7	8.20	11.5	8.10	11.2	7.90	8.50	11.3	7.80
120.0	11.7	8.80	11.5	9.00	12.0	9.30	12.5	9.40	12.3	9.20	12.0	9.09	9.90	12.1	9.00
125.0	12.7	10.0	12.4	10.2	12.9	10.5	13.3	10.7	13.0	10.5	12.8	10.4	11.2	13.0	10.3
130.0	13.6	11.3	13.3	11.3	13.7	11.7	14.1	11.8	13.9	11.7	13.7	11.5	12.5	13.9	11.5
135.0	14.5	12.4	14.2	12.4	14.5	12.7	14.9	12.8	14.7	12.8	14.5	12.8	13.7	14.8	12.8
140.0	15.4	13.5	15.0	13.5	15.2	13.7	15.6	13.7	15.5	13.9	15.5	14.1	15.0	15.8	13.9
145.0	16.4	14.5	15.8	14.5	16.2	14.9	16.4	14.9	16.3	15.0	16.4	15.2	16.3	16.7	15.0
150.0	17.4	15.8	16.7	15.7	17.1	16.0	17.2	16.0	17.2	16.0	17.4	16.5	17.4	17.8	16.2
155.0	18.4	17.1	17.9	16.9	18.0	17.2	18.1	17.1	18.1	17.2	18.2	17.7	18.5	18.7	17.2
160.0	19.5	18.2	18.9	18.0	18.9	18.2	19.1	18.1	19.1	18.1	19.2	18.6	19.3	19.6	18.0
165.0	20.4	19.2	19.9	18.9	19.6	19.1	20.0	19.1	20.0	19.1	19.7	19.2	20.0	20.2	18.9
170.0	21.1	19.9	20.6	19.6	20.4	19.7	20.7	19.6	20.7	19.9	20.6	20.0	20.9	20.7	19.6
175.0	21.2	20.2	21.0	20.2	20.9	20.2	21.2	20.2	21.1	20.6	21.0	20.4	21.2	21.0	20.2
180.0	21.6	20.8	21.1	20.8	21.1	20.7	21.6	20.6	21.1	20.8	21.2	20.7	21.6	21.1	20.8

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2694	2698	2693	2695	2693	2693	2697	2698	2693
5.0	2683	2684	2682	2681	2686	2684	2688	2677	2690
10.0	2656	2641	2645	2642	2645	2643	2647	2647	2648
15.0	2578	2575	2582	2571	2582	2579	2580	2569	2578
20.0	2474	2463	2475	2462	2476	2469	2479	2461	2469
25.0	2309	2297	2314	2290	2319	2298	2310	2271	2276
30.0	2029	2033	2078	2051	2090	2052	2059	2001	2023
35.0	1717	1714	1809	1807	1824	1748	1732	1706	1758
40.0	1394	1387	1507	1549	1527	1412	1406	1413	1492
45.0	1100	1089	1198	1252	1215	1110	1133	1137	1214
50.0	847	851	898	892	905	884	909	898	923
55.0	650	627	617	567	634	682	726	683	669
60.0	506	471	460	406	473	519	560	515	498
65.0	396	400	399	367	402	424	418	412	384
70.0	316	344	377	353	376	358	317	323	300
75.0	254	291	350	338	349	303	251	232	242
80.0	201	216	278	281	283	224	197	160	200
85.0	112	112	180	151	187	122	116	85.0	142
90.0	17.6	4.20	31.6	9.70	45.4	14.0	31.4	10.4	35.2
95.0	11.1	4.30	12.0	4.20	12.1	4.20	11.2	4.10	11.3
100.0	10.5	4.90	11.1	4.80	11.1	4.80	10.5	4.70	10.5
105.0	10.3	5.60	10.7	5.60	10.8	5.60	10.3	5.50	10.3
110.0	10.5	6.60	10.8	6.60	10.8	6.50	10.4	6.50	10.5
115.0	11.0	7.70	11.3	7.70	11.3	7.60	11.0	7.60	11.0
120.0	11.8	8.90	12.0	9.00	12.0	8.90	11.7	8.80	11.7
125.0	12.7	10.2	12.9	10.2	12.8	10.1	12.5	10.0	12.6
130.0	13.6	11.5	13.7	11.4	13.7	11.3	13.4	11.3	13.5
135.0	14.5	12.6	14.5	12.5	14.5	12.4	14.3	12.4	14.4
140.0	15.4	13.6	15.2	13.5	15.2	13.5	15.0	13.5	15.2
145.0	16.3	14.5	16.0	14.5	16.1	14.5	16.0	14.5	16.2
150.0	17.1	15.6	16.9	15.6	17.0	15.7	16.7	15.7	17.1
155.0	17.9	16.7	17.8	16.5	17.9	16.6	17.8	16.7	18.0
160.0	18.7	17.9	18.7	17.8	18.9	17.7	18.7	18.0	19.1
165.0	19.6	18.7	19.6	18.7	19.6	18.6	19.6	19.0	20.0
170.0	20.4	19.6	20.2	19.6	20.2	19.4	20.2	19.6	20.7
175.0	20.9	20.2	20.8	20.4	20.8	20.1	20.9	20.2	21.0
180.0	21.2	20.7	21.1	21.1	21.1	20.7	21.2	20.8	21.1

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