

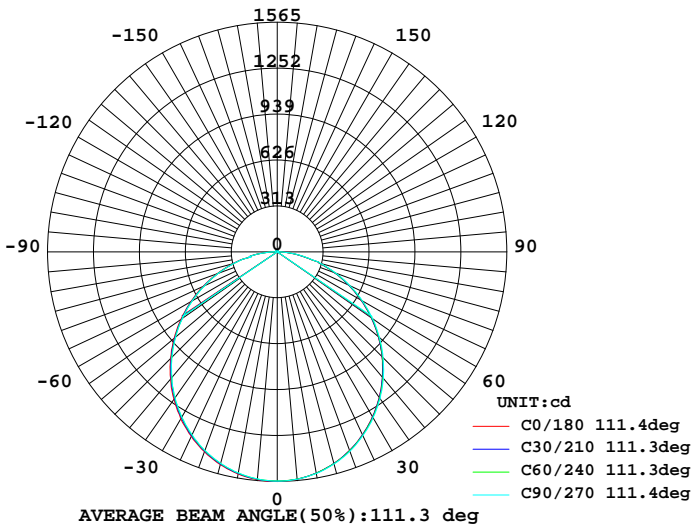
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 40W 595x595x20 4000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4145	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1565	S/MH(C0/180)	1.25
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4490.4	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	119.2	Current(A)	0.178
NOMINAL FLUX(lm)	4490.4	η up(%)	1.4	Power(W)	37.66
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.956
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	4490.4	EEL	0.114

LUMINOUS INTENSITY DISTRIBUTION



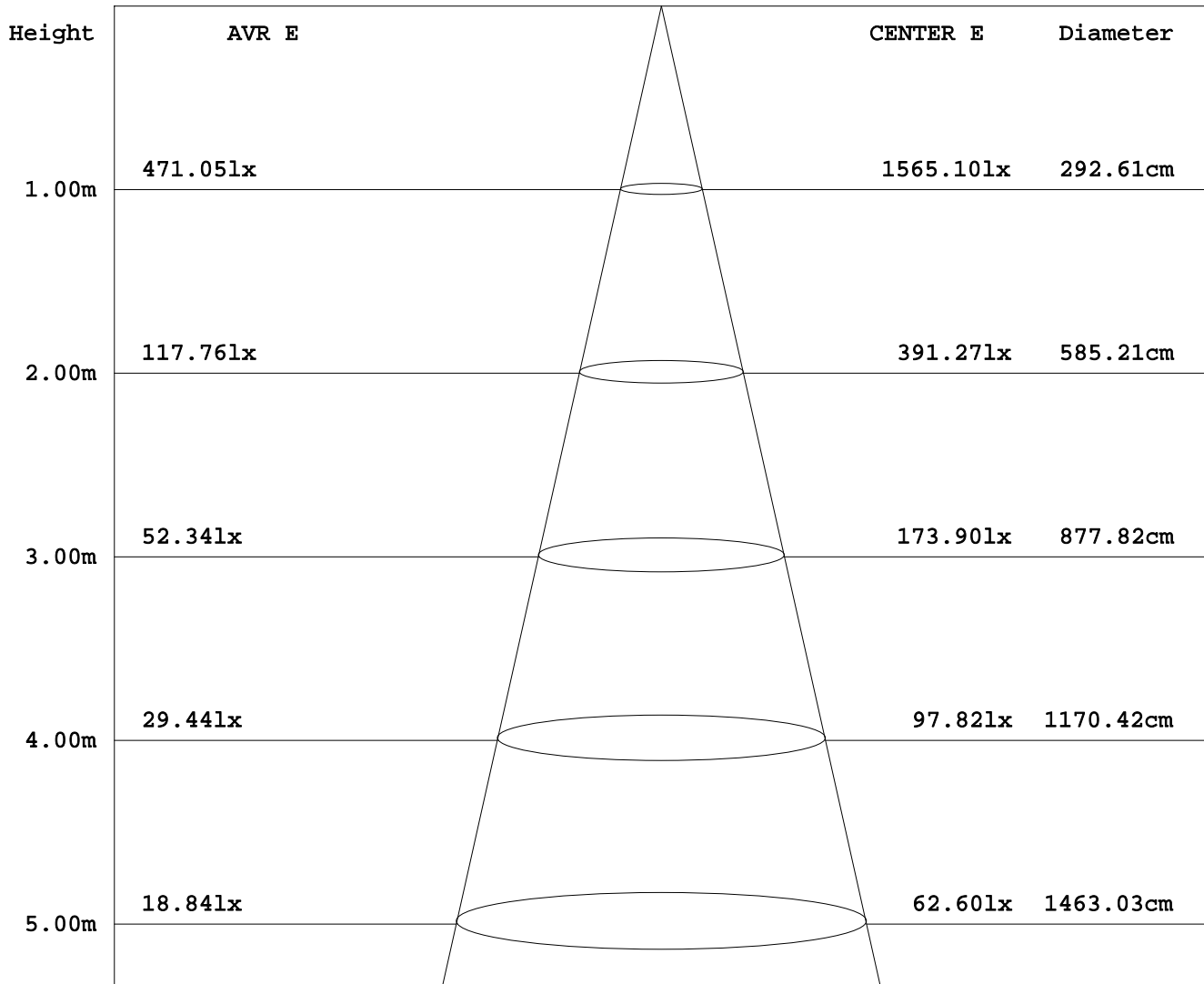
Temperature: 25.3 °C
 Operators:
 Test Date: 03-06-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 91Ra. 1,4% Flickering. Temp 37.1

AVERAGE AND CENTER E Figure

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Angle: 111.3deg

Temperature: 25.3 °C
 Operators:
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 Humidity: 65.0%
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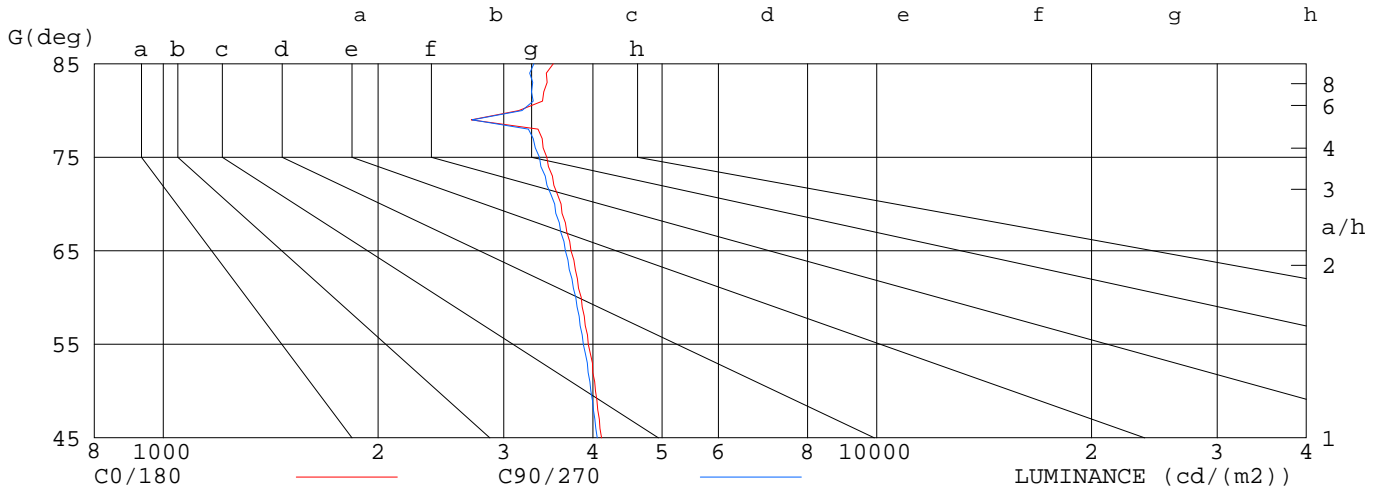
LUMINANCE LIMITATION CURVES

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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



LUMINANCE cd/m2

G(deg)	C0/180	C90/270
85	3520	3306
80	3149	3182
75	3447	3367
70	3609	3537
65	3727	3660
60	3853	3786
55	3942	3878
50	4033	3975
45	4113	4056

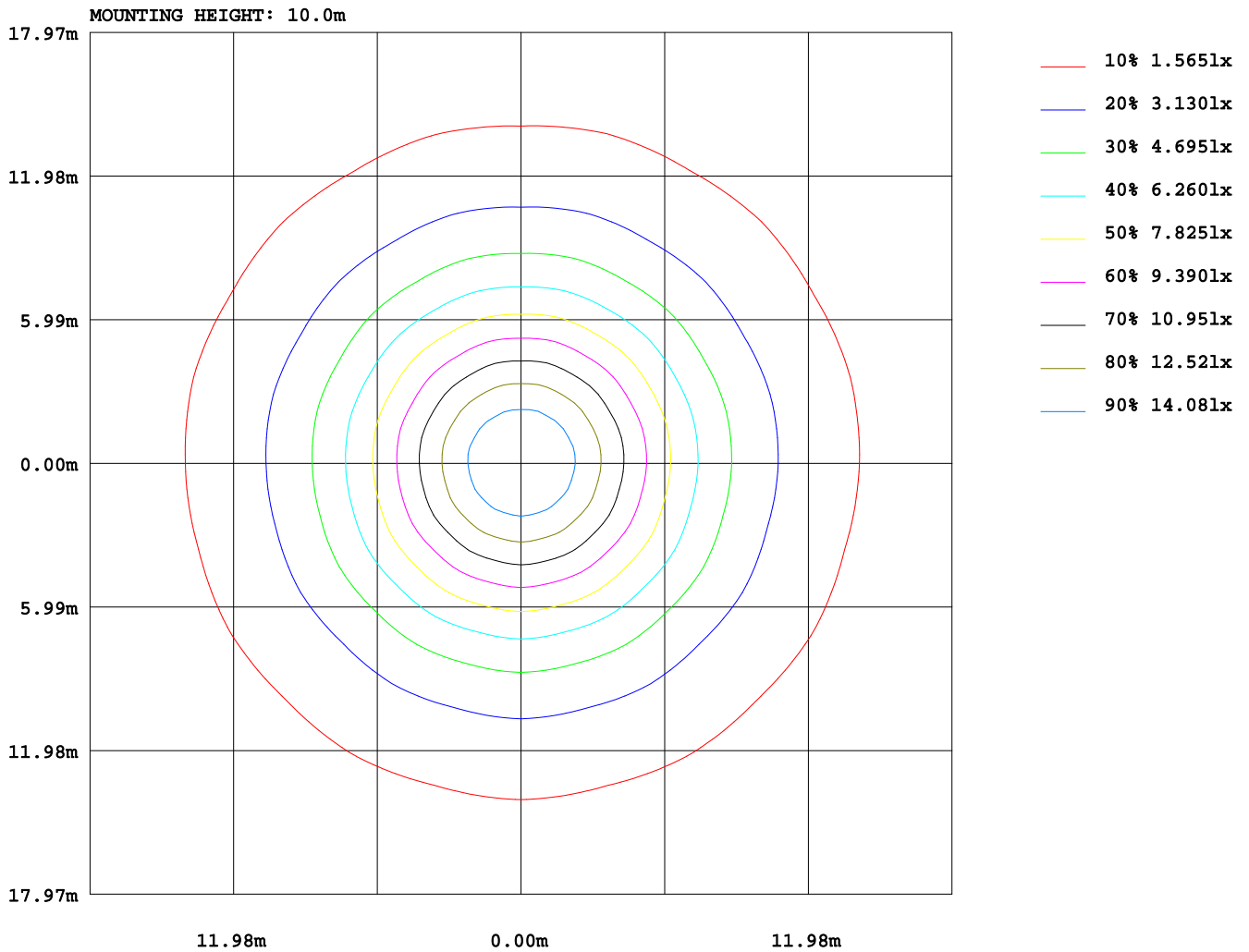
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ISOLUX DIAGRAM

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UGR Table

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NAME: Office Standart 40W 595x595x20 4000K 90Ra Opal					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 4145			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	17.4	18.9	17.7	19.2	19.4	17.4	18.9	17.7	19.1	19.3
3H	19.0	20.4	19.3	20.6	20.9	18.9	20.3	19.2	20.5	20.8
4H	19.6	20.9	19.9	21.2	21.5	19.5	20.8	19.8	21.1	21.4
6H	20.1	21.3	20.4	21.6	21.9	20.0	21.2	20.3	21.5	21.8
8H	20.3	21.5	20.6	21.8	22.1	20.2	21.4	20.5	21.7	22.0
12H	20.4	21.6	20.8	21.9	22.2	20.3	21.5	20.7	21.8	22.1
4H 2H	18.0	19.4	18.4	19.6	19.9	18.0	19.3	18.3	19.6	19.9
3H	19.8	20.9	20.1	21.2	21.6	19.7	20.9	20.1	21.2	21.5
4H	20.5	21.6	20.9	21.9	22.3	20.4	21.5	20.8	21.9	22.2
6H	21.1	22.0	21.5	22.4	22.8	21.0	21.9	21.4	22.3	22.7
8H	21.3	22.2	21.8	22.6	23.0	21.2	22.1	21.7	22.5	22.9
12H	21.5	22.3	22.0	22.7	23.2	21.4	22.2	21.8	22.6	23.1
8H 4H	20.8	21.7	21.2	22.1	22.5	20.7	21.6	21.2	22.0	22.4
6H	21.5	22.2	22.0	22.7	23.1	21.4	22.2	21.9	22.6	23.1
8H	21.8	22.5	22.3	22.9	23.4	21.8	22.4	22.2	22.9	23.3
12H	22.1	22.7	22.6	23.1	23.6	22.0	22.6	22.5	23.0	23.5
12H 4H	20.8	21.6	21.3	22.0	22.5	20.7	21.5	21.2	22.0	22.4
6H	21.6	22.2	22.1	22.7	23.2	21.5	22.1	22.0	22.6	23.1
8H	22.0	22.5	22.5	23.0	23.5	21.9	22.4	22.4	22.9	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4490 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.2)

Temperature: 25.3 °C
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 Humidity: 65.0%
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UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1565	1564	1563	1562	1562	1563	1563	1562	1563	1563	1564	1564	1565	1564	1563
5.0	1559	1554	1556	1553	1554	1552	1553	1551	1554	1551	1553	1553	1556	1557	1555
10.0	1537	1531	1534	1528	1530	1526	1530	1524	1529	1525	1530	1527	1532	1535	1531
15.0	1502	1491	1497	1488	1494	1484	1492	1484	1492	1485	1493	1486	1493	1499	1492
20.0	1451	1440	1446	1436	1442	1434	1441	1430	1439	1432	1441	1433	1441	1449	1442
25.0	1387	1375	1382	1370	1377	1368	1375	1365	1375	1364	1375	1367	1376	1385	1376
30.0	1315	1299	1308	1293	1303	1289	1301	1288	1300	1288	1301	1289	1298	1311	1299
35.0	1227	1210	1221	1205	1216	1201	1214	1199	1213	1199	1214	1201	1212	1226	1213
40.0	1132	1112	1125	1106	1120	1102	1116	1101	1117	1102	1118	1102	1115	1130	1116
45.0	1030	1008	1023	1003	1018	999	1015	997	1014	998	1017	999	1009	1029	1010
50.0	918	895	911	889	907	887	904	885	903	885	905	887	899	918	901
55.0	800	777	794	771	790	768	788	767	787	766	787	768	782	801	783
60.0	682	657	676	652	672	649	670	648	670	648	670	648	660	683	660
65.0	558	532	552	527	549	525	548	525	547	524	547	525	539	560	539
70.0	437	408	431	403	428	402	428	402	428	401	428	401	415	437	415
75.0	316	291	311	292	309	291	309	292	308	291	308	291	296	320	296
80.0	194	170	195	166	196	165	196	165	196	165	195	164	177	192	176
85.0	109	71.1	104	67.6	102	67.1	102	67.5	102	67.7	102	67.0	77.5	110	76.9
90.0	27.4	5.80	17.0	3.50	16.2	4.40	22.9	8.40	27.2	10.2	26.6	8.50	10.7	24.7	4.40
95.0	12.0	4.20	11.7	4.20	11.7	4.30	11.8	4.30	11.9	4.30	11.9	4.30	4.70	12.0	4.30
100.0	11.2	5.00	11.0	4.90	11.0	5.00	11.2	5.10	11.2	5.10	11.2	5.00	5.50	11.3	5.20
105.0	10.9	5.70	10.7	5.60	10.7	5.70	10.9	5.80	10.9	5.70	10.9	5.70	6.30	11.0	5.80
110.0	10.9	6.40	10.5	6.30	10.7	6.40	10.8	6.50	10.9	6.50	10.8	6.50	7.10	11.0	6.50
115.0	11.0	7.10	10.7	7.00	10.8	7.10	11.0	7.20	11.0	7.30	10.9	7.20	7.90	11.1	7.30
120.0	11.2	7.80	11.0	7.80	11.0	7.80	11.2	7.90	11.2	7.90	11.2	7.90	8.60	11.3	8.00
125.0	11.5	8.50	11.2	8.40	11.3	8.50	11.5	8.60	11.5	8.60	11.5	8.60	9.40	11.7	8.70
130.0	11.9	9.09	11.5	9.09	11.5	9.20	11.8	9.30	11.8	9.20	11.8	9.20	10.1	12.0	9.40
135.0	12.2	9.70	11.9	9.70	12.0	9.80	12.2	9.80	12.1	9.80	12.1	9.90	10.7	12.3	10.0
140.0	12.5	10.3	12.2	10.3	12.3	10.5	12.5	10.4	12.4	10.4	12.5	10.5	11.2	12.7	10.5
145.0	12.9	10.9	12.5	10.8	12.6	11.1	12.8	10.9	12.7	11.0	12.8	11.1	11.8	13.0	11.1
150.0	13.2	11.4	12.8	11.3	13.0	11.5	13.2	11.4	13.0	11.4	13.0	11.7	12.3	13.4	11.5
155.0	13.5	12.0	13.2	11.8	13.3	12.1	13.4	12.0	13.3	11.9	13.4	12.2	12.7	13.7	12.0
160.0	13.7	12.4	13.5	12.3	13.6	12.5	13.6	12.4	13.6	12.3	13.6	12.5	13.2	13.9	12.4
165.0	14.0	12.7	13.7	12.6	13.7	12.8	13.9	12.7	13.9	12.7	13.7	12.8	13.5	14.0	12.7
170.0	14.2	13.0	14.0	12.9	13.9	13.0	14.0	12.9	14.0	13.0	14.0	13.0	13.7	14.1	13.0
175.0	14.3	13.2	14.1	13.2	14.0	13.0	14.2	13.0	14.1	13.2	14.1	13.0	14.0	14.1	13.2
180.0	14.3	13.5	14.0	13.5	14.0	13.4	14.2	13.4	14.0	13.5	14.1	13.4	14.4	14.0	13.4

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: 91Ra. 1,4% Flickering. Temp 37.1

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4145	DIMENSION: 595x595x20	SERIAL No.:

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1562	1562	1563	1563	1562	1563	1563	1564	1564
5.0	1556	1554	1557	1556	1558	1557	1558	1557	1558
10.0	1535	1532	1538	1534	1539	1535	1539	1536	1538
15.0	1501	1494	1503	1497	1505	1499	1505	1498	1506
20.0	1451	1444	1454	1448	1456	1449	1457	1448	1457
25.0	1387	1380	1391	1382	1395	1386	1395	1386	1394
30.0	1314	1302	1318	1306	1322	1310	1324	1310	1322
35.0	1228	1217	1233	1223	1237	1226	1239	1224	1237
40.0	1133	1121	1138	1125	1143	1129	1145	1129	1142
45.0	1032	1015	1037	1020	1042	1024	1044	1024	1041
50.0	921	905	926	911	932	915	934	915	929
55.0	804	788	810	793	816	798	818	797	814
60.0	686	665	692	671	697	675	699	674	696
65.0	563	544	568	550	574	554	577	553	572
70.0	440	420	446	426	452	430	454	430	449
75.0	322	300	328	306	334	310	336	309	331
80.0	188	180	183	186	184	190	183	189	184
85.0	111	80.0	116	85.0	121	88.7	123	88.0	120
90.0	19.4	4.40	27.0	11.7	36.1	17.5	39.5	17.4	35.9
95.0	11.9	4.30	12.0	4.30	12.3	4.30	12.3	4.20	12.2
100.0	11.2	5.00	11.3	5.00	11.4	5.00	11.4	5.00	11.3
105.0	10.9	5.70	11.0	5.80	11.1	5.80	11.0	5.80	11.0
110.0	10.9	6.40	10.9	6.50	11.0	6.50	10.9	6.50	10.9
115.0	11.0	7.20	11.1	7.30	11.1	7.20	11.1	7.20	11.0
120.0	11.2	7.90	11.2	8.00	11.3	7.90	11.3	7.90	11.2
125.0	11.5	8.60	11.5	8.70	11.5	8.60	11.5	8.60	11.5
130.0	11.8	9.30	11.9	9.40	11.9	9.30	11.8	9.20	11.9
135.0	12.2	9.90	12.1	10.0	12.2	9.80	12.2	9.90	12.2
140.0	12.5	10.4	12.5	10.5	12.6	10.4	12.5	10.4	12.4
145.0	12.8	10.9	12.8	11.1	12.9	11.0	12.8	10.9	12.8
150.0	13.0	11.4	13.0	11.5	13.3	11.5	13.0	11.4	13.0
155.0	13.3	11.9	13.4	12.0	13.6	11.9	13.3	11.9	13.4
160.0	13.6	12.4	13.7	12.4	13.7	12.3	13.6	12.4	13.7
165.0	13.7	12.7	13.9	12.8	14.0	12.6	13.7	12.7	13.7
170.0	14.0	13.0	14.0	13.0	14.0	12.9	14.0	13.0	13.9
175.0	14.1	13.0	14.0	13.3	14.0	13.0	14.1	13.2	14.0
180.0	14.1	13.4	14.0	13.6	14.0	13.5	14.1	13.5	14.0

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