

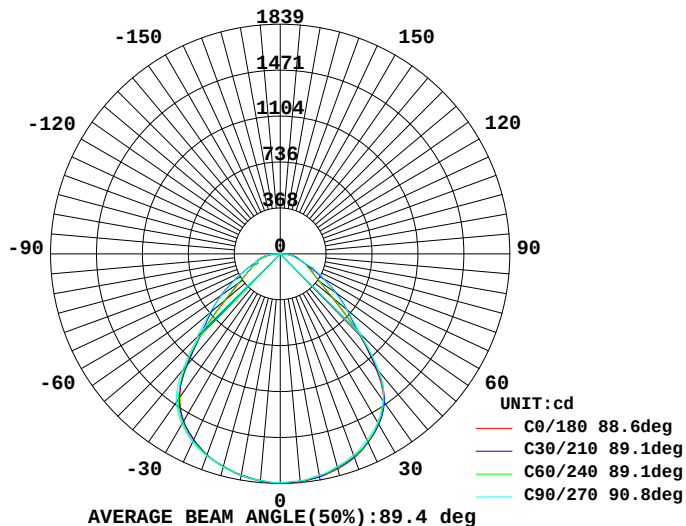
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office BASIC 30W 4000K 82Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4145	DIMENSION: 596x592x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	1839	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	4038.2	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	134.7	Current(A)	0.142
NOMINAL FLUX(lm)	4038.2	η up(%)	1.4	Power(W)	29.99
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.957
TEST VOLTAGE(V)	220.5	Effective Flux(lm)	4038.2	EEI	0.101

LUMINOUS INTENSITY DISTRIBUTION



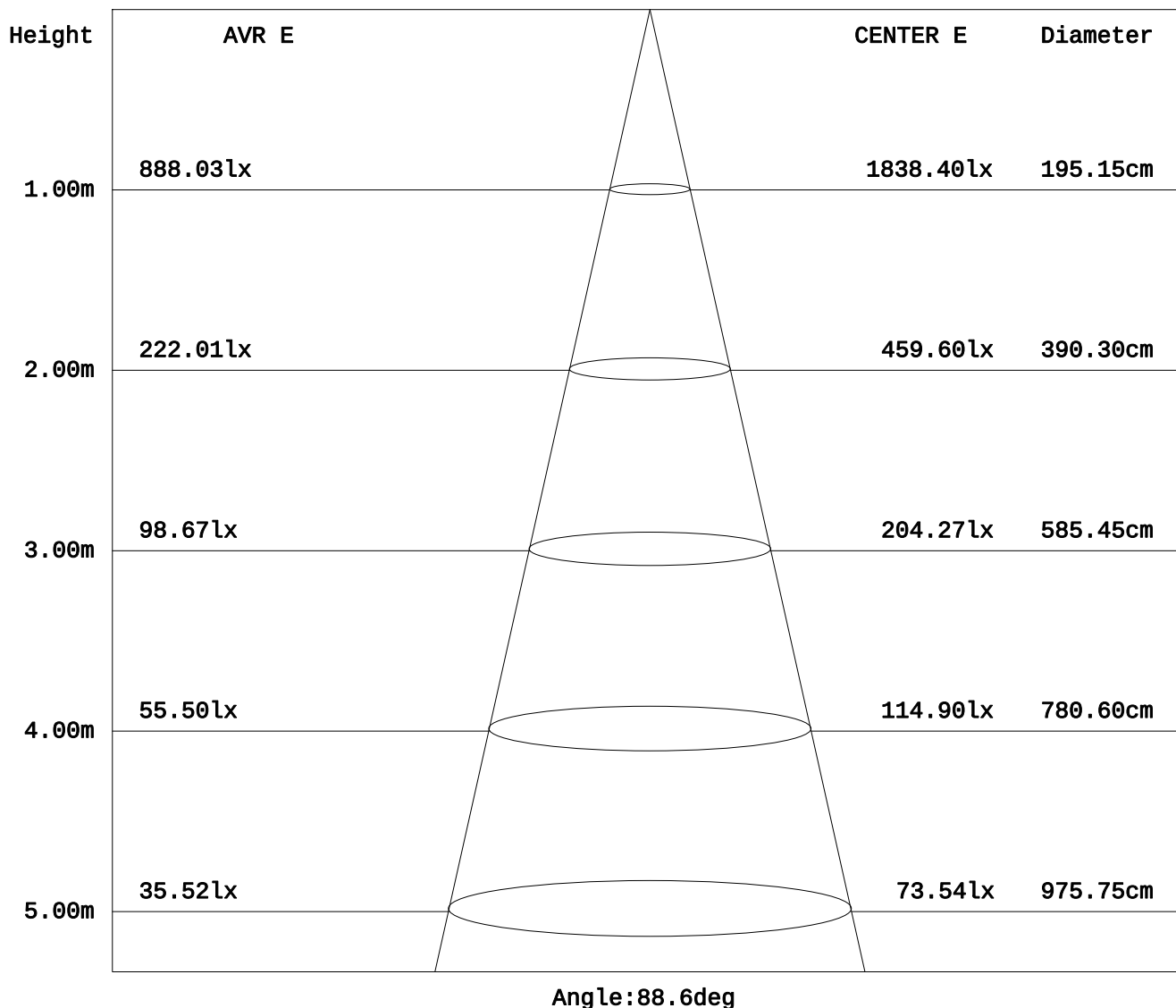
Temperature: 25.3°C
 Operators:
 Test Date: 25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra. 0,2% Flickering. Temp 35.4C

AVERAGE AND CENTER E Figure

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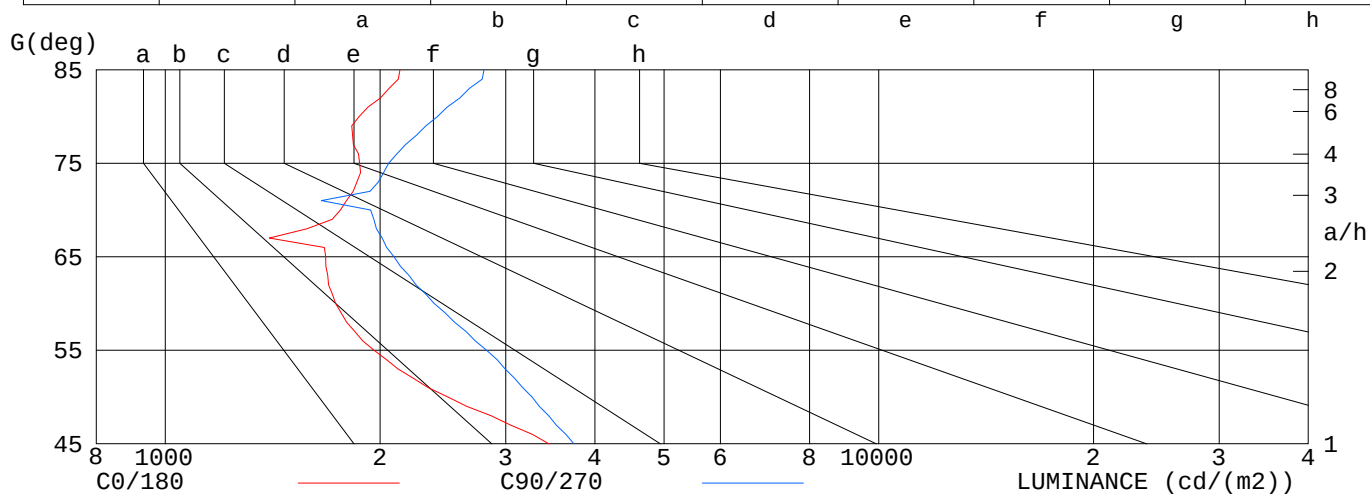
LUMINANCE LIMITATION CURVES

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LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
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	2133	2797
80	1869	2406
75	1872	2055
70	1759	1940
65	1678	2092
60	1732	2381
55	1961	2820
50	2488	3265
45	3450	3740

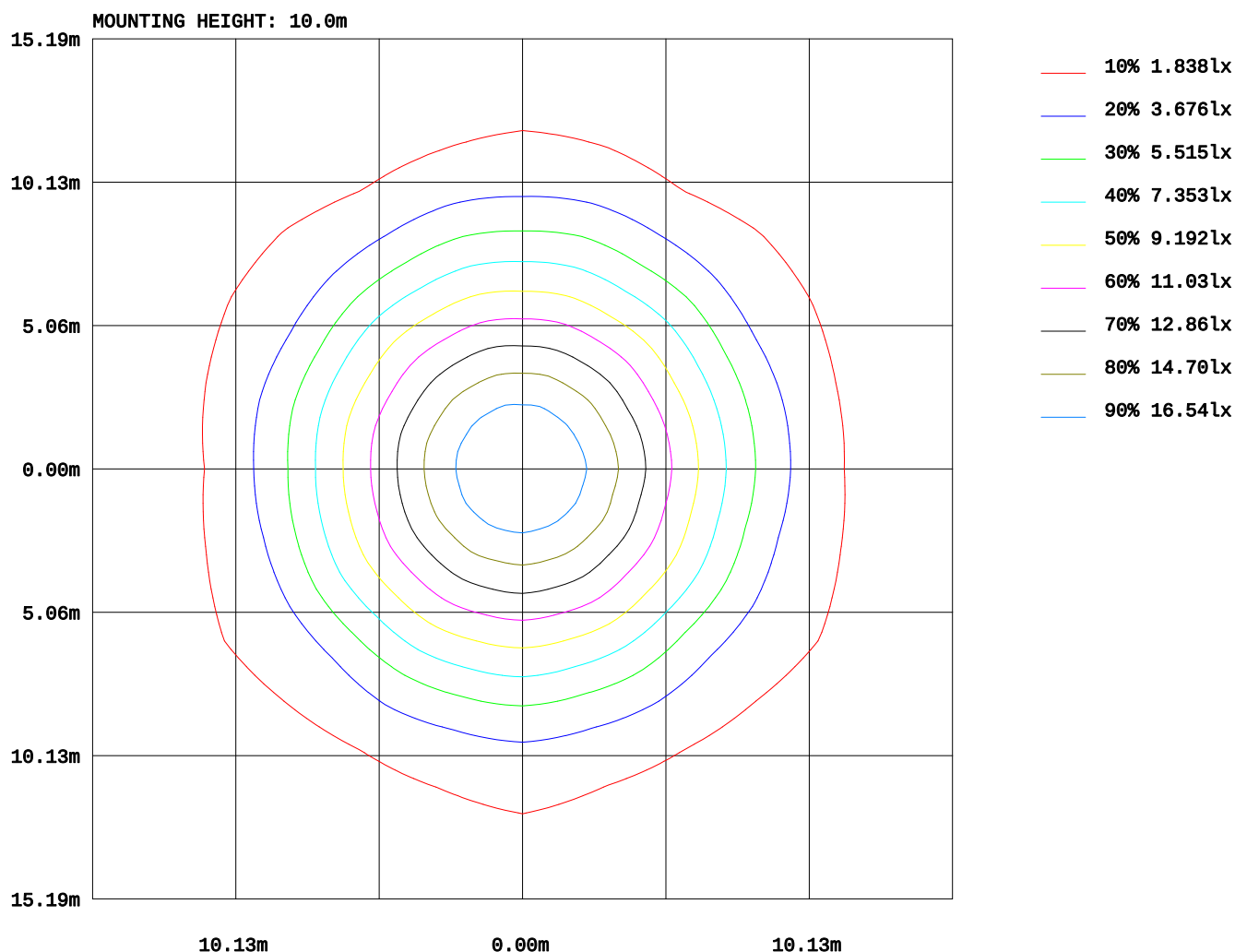
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ISOLUX DIAGRAM

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UGR Table

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NAME: Office BASIC 30W 4000K 82Ra Microprisma			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4145	DIMENSION: 596x592x20		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	15.2	16.5	15.5	16.8	17.0	15.1	16.5	15.4	16.7	16.9
3H	16.1	17.3	16.4	17.6	17.8	16.1	17.4	16.5	17.6	17.9
4H	16.6	17.8	16.9	18.0	18.3	16.7	17.9	17.0	18.1	18.4
6H	17.0	18.2	17.4	18.4	18.7	17.3	18.4	17.6	18.7	19.0
8H	17.2	18.3	17.6	18.6	18.9	17.6	18.6	17.9	18.9	19.2
12H	17.4	18.4	17.8	18.8	19.1	17.8	18.8	18.2	19.2	19.5
4H 2H	15.5	16.7	15.8	17.0	17.2	15.5	16.6	15.8	16.9	17.2
3H	16.7	17.7	17.0	18.0	18.3	16.7	17.7	17.1	18.0	18.4
4H	17.4	18.3	17.7	18.6	19.0	17.4	18.3	17.8	18.7	19.0
6H	18.0	18.8	18.4	19.2	19.6	18.1	18.9	18.5	19.3	19.7
8H	18.2	19.0	18.7	19.4	19.8	18.4	19.2	18.9	19.6	20.0
12H	18.5	19.2	18.9	19.6	20.0	18.8	19.5	19.2	19.9	20.3
8H 4H	17.6	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
6H	18.5	19.1	19.0	19.6	20.0	18.6	19.2	19.0	19.6	20.1
8H	18.9	19.5	19.4	19.9	20.4	19.0	19.6	19.5	20.0	20.5
12H	19.2	19.7	19.7	20.2	20.7	19.4	19.9	19.9	20.3	20.8
12H 4H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
6H	18.6	19.1	19.1	19.6	20.1	18.6	19.2	19.1	19.7	20.1
8H	19.0	19.5	19.5	20.0	20.5	19.1	19.6	19.6	20.1	20.6

Variations with the observer position at spacings:

S = 1.0H	+ 0.4 / - 0.5	+ 0.3 / - 0.3
1.5H	+ 0.3 / - 0.5	+ 0.3 / - 0.4
2.0H	+ 0.4 / - 0.8	+ 0.8 / - 0.7

CIE Pub.117 Corrected 4038 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

Temperature:25.3'C
 Operators:
 Test Date:25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 82Ra. 0,2% Flickering. Temp 35.4C

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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	1838	1837	1836	1835	1834	1834	1833	1833	1833	1833	1833	1833	1838	1837	1836
5.0	1827	1822	1823	1816	1820	1818	1824	1823	1825	1822	1831	1831	1836	1834	1828
10.0	1804	1794	1798	1794	1800	1794	1801	1799	1808	1807	1810	1809	1814	1812	1814
15.0	1765	1751	1761	1751	1764	1760	1768	1767	1773	1767	1781	1775	1784	1786	1774
20.0	1717	1698	1714	1702	1717	1708	1723	1714	1731	1723	1736	1730	1737	1743	1731
25.0	1644	1626	1641	1631	1653	1644	1661	1656	1673	1664	1674	1665	1666	1681	1664
30.0	1547	1525	1549	1536	1562	1548	1577	1566	1586	1573	1592	1575	1579	1596	1576
35.0	1404	1379	1411	1395	1425	1413	1454	1433	1464	1445	1475	1450	1445	1469	1452
40.0	1168	1133	1157	1136	1184	1172	1219	1201	1230	1210	1248	1206	1184	1232	1204
45.0	864	838	888	846	875	870	936	886	917	864	902	852	864	900	886
50.0	566	636	722	636	589	621	743	635	592	659	736	623	534	620	697
55.0	398	488	580	486	411	470	573	463	420	508	599	464	384	463	551
60.0	307	376	427	377	312	373	422	364	319	409	439	373	306	374	398
65.0	251	289	309	292	255	296	313	287	263	306	311	294	248	310	286
70.0	213	226	190	229	216	228	235	227	217	229	192	233	198	256	191
75.0	172	171	180	175	176	170	188	176	183	171	188	177	141	198	156
80.0	115	113	142	112	129	111	148	115	132	119	157	116	97.8	134	116
85.0	65.8	52.9	77.0	43.9	69.8	51.3	86.2	55.1	81.8	55.1	82.5	55.1	48.5	70.3	50.0
90.0	15.0	4.40	13.5	3.00	13.7	3.30	19.6	7.00	19.3	3.50	14.8	4.00	5.20	16.1	3.20
95.0	9.20	3.30	9.40	3.30	9.09	3.30	9.60	3.40	9.30	3.40	9.60	3.30	3.70	9.50	3.50
100.0	8.70	3.80	8.80	3.80	8.60	3.80	9.00	3.90	8.80	3.90	9.00	3.90	4.20	8.90	3.90
105.0	8.60	4.50	8.70	4.40	8.50	4.50	8.80	4.60	8.70	4.50	8.80	4.50	4.90	8.80	4.60
110.0	8.80	5.30	8.80	5.20	8.80	5.30	8.90	5.40	8.90	5.40	8.90	5.30	5.80	9.00	5.30
115.0	9.20	6.10	9.09	6.20	9.20	6.20	9.30	6.30	9.40	6.20	9.20	6.20	6.70	9.40	6.20
120.0	9.80	7.10	9.70	7.10	9.80	7.20	9.90	7.20	10.0	7.20	9.80	7.10	7.80	9.90	7.20
125.0	10.5	8.10	10.3	8.00	10.4	8.10	10.5	8.10	10.5	8.10	10.3	8.10	8.80	10.5	8.10
130.0	11.1	8.90	10.9	8.80	11.0	8.90	11.1	8.90	11.0	8.80	10.9	8.90	9.60	11.1	8.90
135.0	11.5	9.60	11.3	9.50	11.4	9.70	11.5	9.60	11.4	9.60	11.4	9.60	10.4	11.7	9.70
140.0	12.1	10.3	11.8	10.2	11.9	10.4	12.0	10.3	11.8	10.2	11.8	10.4	11.1	12.2	10.4
145.0	12.6	11.0	12.3	11.0	12.4	11.1	12.5	11.0	12.3	10.9	12.4	11.1	11.8	12.8	11.1
150.0	13.0	11.8	12.9	11.7	13.0	11.9	13.0	11.8	12.9	11.7	13.0	11.9	12.5	13.3	11.9
155.0	13.7	12.6	13.7	12.6	13.6	12.7	13.7	12.6	13.6	12.5	13.6	12.7	13.3	13.9	12.7
160.0	14.3	13.4	14.4	13.3	14.3	13.5	14.4	13.4	14.3	13.3	14.3	13.5	14.0	14.5	13.4
165.0	15.0	14.1	15.0	14.0	14.9	14.2	15.0	14.1	14.9	14.0	14.8	14.1	14.8	15.0	14.1
170.0	15.5	14.5	15.4	14.5	15.2	14.5	15.5	14.5	15.2	14.5	15.2	14.5	15.2	15.4	14.5
175.0	15.8	14.9	15.6	15.0	15.5	14.9	15.8	14.8	15.6	14.9	15.5	14.8	15.7	15.6	14.9
180.0	15.9	15.2	15.7	15.2	15.6	15.0	15.8	15.0	15.6	15.2	15.6	15.0	16.0	15.7	15.2

Temperature:25.3'C
Operators:
Test Date:25-01-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra. 0,2% Flickering. Temp 35.4C

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1835	1834	1834	1833	1833	1833	1833	1833	1833
5.0	1828	1828	1829	1825	1824	1819	1818	1816	1819
10.0	1816	1803	1807	1801	1801	1792	1798	1791	1794
15.0	1783	1770	1776	1762	1767	1754	1759	1749	1758
20.0	1739	1725	1730	1714	1718	1705	1710	1697	1709
25.0	1674	1659	1669	1643	1652	1636	1645	1625	1641
30.0	1592	1569	1582	1560	1568	1543	1554	1527	1540
35.0	1469	1441	1461	1435	1445	1414	1428	1395	1399
40.0	1242	1217	1261	1231	1259	1202	1230	1170	1175
45.0	906	881	926	913	936	897	900	857	868
50.0	692	561	625	697	653	550	676	671	597
55.0	534	386	447	534	473	375	497	534	442
60.0	411	289	353	406	373	278	383	392	355
65.0	310	238	302	311	312	219	296	286	298
70.0	242	206	258	202	258	201	243	198	251
75.0	196	150	193	131	191	156	194	149	197
80.0	144	95.7	127	101	127	95.2	145	123	134
85.0	68.5	42.7	66.0	51.8	68.5	47.6	74.5	53.7	73.9
90.0	12.6	3.20	13.0	4.40	17.9	4.60	14.1	3.60	14.3
95.0	9.60	3.60	9.70	3.90	10.3	4.00	10.0	3.80	9.50
100.0	9.00	4.00	9.09	4.40	9.80	4.40	9.30	4.10	8.90
105.0	8.80	4.60	8.90	4.70	9.00	4.80	9.00	4.70	8.80
110.0	9.00	5.50	9.09	5.50	9.09	5.60	9.09	5.40	9.00
115.0	9.40	6.40	9.40	6.40	9.50	6.50	9.50	6.30	9.40
120.0	10.0	7.40	10.0	7.40	10.1	7.50	10.1	7.30	9.90
125.0	10.5	8.29	10.5	8.29	10.7	8.40	10.7	8.20	10.5
130.0	11.1	9.09	11.1	9.09	11.2	9.20	11.2	9.00	11.2
135.0	11.5	9.80	11.5	9.90	11.7	9.90	11.7	9.70	11.7
140.0	12.0	10.4	12.0	10.5	12.2	10.5	12.1	10.4	12.1
145.0	12.5	11.0	12.5	11.2	12.7	11.2	12.6	11.1	12.6
150.0	13.0	11.8	13.0	11.9	13.3	12.0	13.0	11.8	13.0
155.0	13.6	12.6	13.7	12.7	13.9	12.7	13.7	12.7	13.7
160.0	14.3	13.4	14.4	13.5	14.5	13.4	14.4	13.5	14.5
165.0	14.9	14.1	14.9	14.2	15.0	14.0	14.9	14.2	15.0
170.0	15.4	14.5	15.2	14.7	15.4	14.5	15.4	14.5	15.2
175.0	15.6	14.9	15.5	15.0	15.6	14.8	15.6	14.9	15.5
180.0	15.7	15.2	15.6	15.2	15.6	15.0	15.7	15.0	15.5

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