

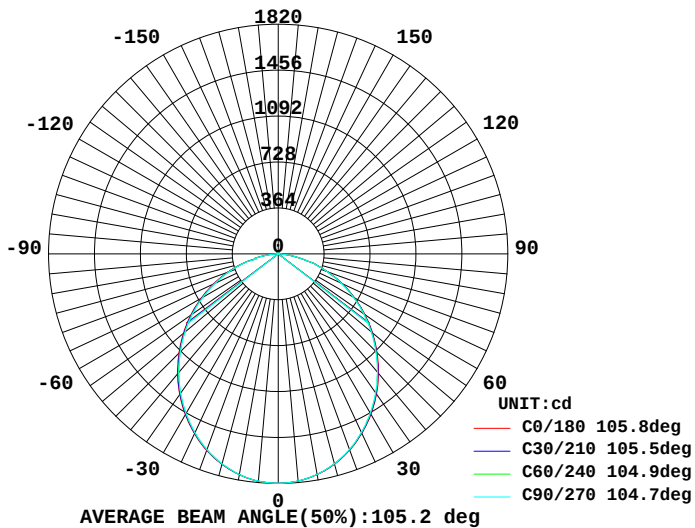
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Standart 40W 1200x180x20 4000K 82Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4074	DIMENSION: 1200x180x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	1820	S/MH(C0/180)	1.21
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.20
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	4803.1	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	120.6	Current(A)	0.188
NOMINAL FLUX(lm)	4803.1	η up(%)	1.4	Power(W)	39.82
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.958
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	4803.1	EEI	0.113

LUMINOUS INTENSITY DISTRIBUTION



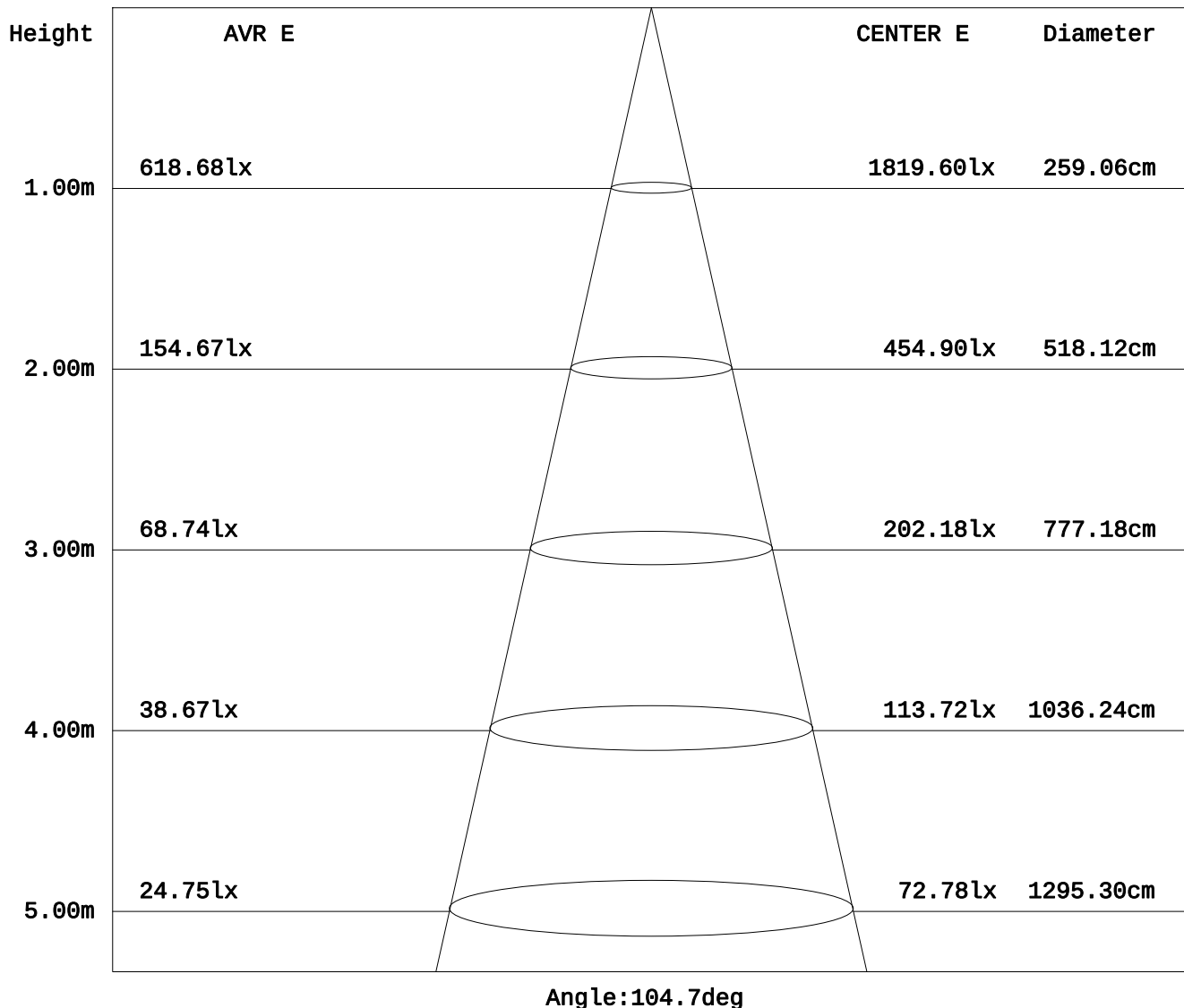
Temperature: 25.3'C
Operators:
Test Date: 12-01-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 82Ra. Flickering 1.2% Temp. 30.1C

AVERAGE AND CENTER E Figure

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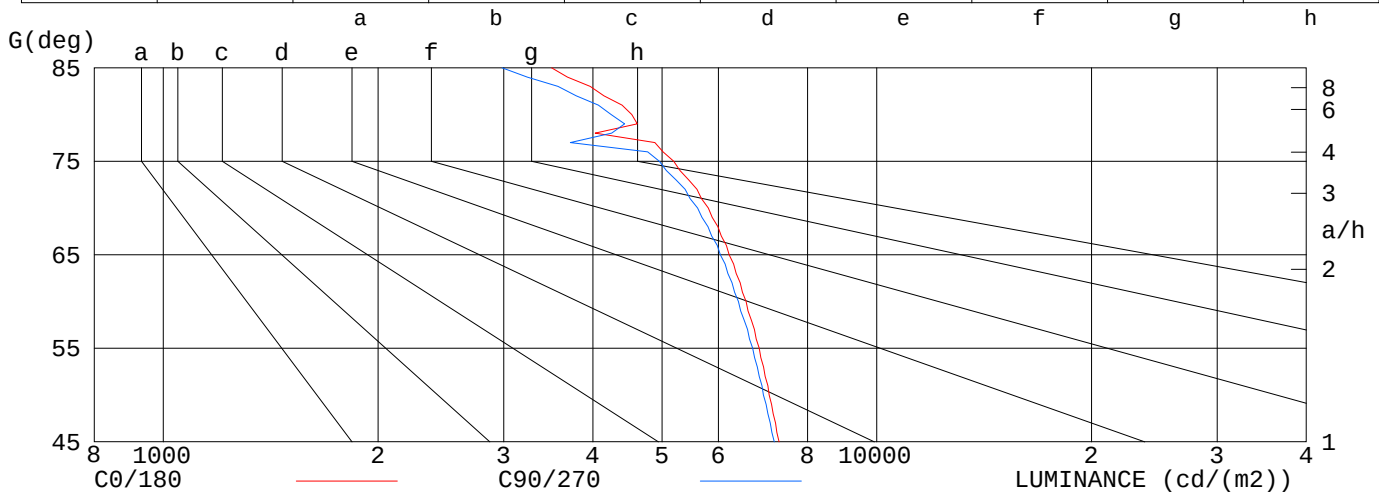
LUMINANCE LIMITATION CURVES

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SPECIFICATION:	CCT(K): 4074	DIMENSION: 1200x180x20	SERIAL No.:

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	3501	2985
80	4535	4244
75	5193	4957
70	5807	5608
65	6211	6036
60	6558	6398
55	6842	6699
50	7067	6937
45	7298	7183

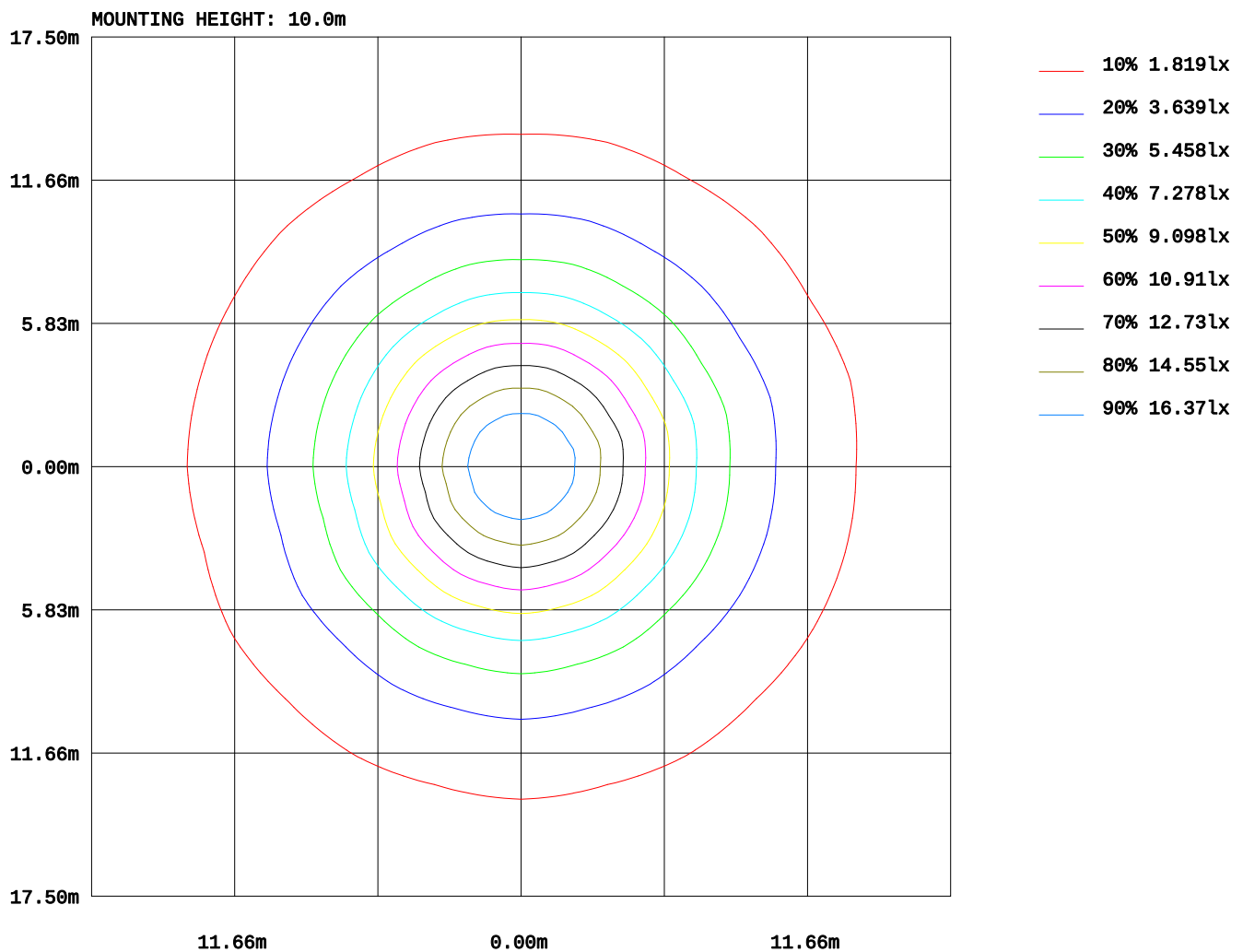
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ISOLUX DIAGRAM

Report number:

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UGR Table

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NAME: LPO Standart 40W 1200x180x20 4000K 82Ra Opal			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4074	DIMENSION: 1200x180x20		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	19.4	20.9	19.7	21.1	21.3	19.2	20.7	19.5	20.9	21.1
3H	20.8	22.2	21.2	22.4	22.7	20.5	21.9	20.8	22.1	22.4
4H	21.4	22.7	21.7	22.9	23.2	21.0	22.3	21.4	22.6	22.9
6H	21.7	22.9	22.0	23.2	23.5	21.3	22.5	21.6	22.8	23.1
8H	21.8	22.9	22.1	23.2	23.6	21.4	22.5	21.7	22.8	23.2
12H	21.8	22.9	22.2	23.3	23.6	21.4	22.5	21.7	22.8	23.2
4H 2H	19.9	21.2	20.3	21.5	21.8	19.8	21.0	20.1	21.3	21.6
3H	21.5	22.7	21.9	23.0	23.3	21.3	22.4	21.7	22.7	23.1
4H	22.2	23.2	22.6	23.6	23.9	21.9	22.9	22.3	23.2	23.6
6H	22.6	23.5	23.0	23.9	24.3	22.2	23.1	22.6	23.5	23.9
8H	22.7	23.6	23.2	24.0	24.4	22.3	23.1	22.7	23.5	24.0
12H	22.8	23.6	23.2	24.0	24.4	22.3	23.1	22.8	23.5	24.0
8H 4H	22.3	23.2	22.8	23.6	24.0	22.1	22.9	22.5	23.3	23.7
6H	22.9	23.6	23.3	24.0	24.5	22.5	23.2	23.0	23.7	24.1
8H	23.1	23.7	23.6	24.1	24.6	22.7	23.3	23.2	23.7	24.2
12H	23.2	23.7	23.7	24.2	24.7	22.7	23.3	23.2	23.7	24.2
12H 4H	22.3	23.1	22.8	23.5	23.9	22.1	22.8	22.5	23.2	23.7
6H	22.9	23.5	23.4	24.0	24.5	22.6	23.2	23.0	23.6	24.1
8H	23.1	23.7	23.6	24.1	24.6	22.7	23.3	23.2	23.7	24.2

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	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117 Corrected 4803 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

Temperature:25.3'C
Operators:
Test Date:12-01-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra. Flickering 1.2% Temp. 30.1C

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4074	DIMENSION: 1200x180x20	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1820	1819	1818	1818	1818	1818	1818	1819	1820	1819	1820	1819	1820	1819	1818
5.0	1809	1809	1809	1806	1808	1805	1807	1805	1808	1805	1808	1801	1808	1805	1807
10.0	1777	1780	1775	1770	1775	1770	1775	1769	1775	1771	1775	1764	1777	1772	1775
15.0	1727	1730	1725	1715	1723	1714	1723	1713	1724	1715	1728	1707	1725	1719	1723
20.0	1658	1661	1654	1643	1651	1641	1651	1641	1652	1645	1655	1630	1656	1647	1654
25.0	1570	1578	1569	1554	1563	1550	1564	1550	1563	1557	1569	1541	1569	1561	1566
30.0	1473	1479	1468	1450	1463	1445	1461	1445	1464	1451	1470	1436	1469	1460	1465
35.0	1361	1366	1356	1337	1349	1331	1347	1332	1350	1340	1358	1321	1359	1346	1354
40.0	1243	1247	1237	1213	1229	1207	1227	1206	1231	1214	1239	1198	1237	1227	1232
45.0	1115	1118	1108	1082	1100	1076	1097	1075	1102	1084	1110	1068	1107	1099	1103
50.0	981	984	974	950	966	943	963	944	967	952	977	932	977	966	972
55.0	848	850	841	812	833	806	830	806	834	815	843	796	839	833	835
60.0	708	709	701	674	693	669	691	668	696	678	704	655	699	693	695
65.0	567	567	560	532	553	527	551	527	555	535	563	513	561	553	557
70.0	429	427	422	391	416	386	414	387	418	394	426	375	419	416	417
75.0	290	299	284	246	278	242	277	242	281	249	287	228	297	279	296
80.0	170	151	165	124	160	121	159	121	162	127	168	109	147	164	146
85.0	65.9	51.7	62.4	32.0	57.7	29.4	56.1	29.1	58.8	33.2	64.4	24.6	47.2	59.3	47.2
90.0	13.0	4.20	12.6	3.80	12.4	3.60	12.4	3.70	12.5	3.80	12.7	4.20	4.40	12.6	4.00
95.0	11.5	4.70	11.2	4.50	10.9	4.30	10.8	4.40	10.9	4.50	11.3	5.00	5.20	11.5	4.70
100.0	11.3	5.60	10.9	5.40	10.5	5.10	10.4	5.10	10.5	5.30	10.9	5.90	6.20	11.3	5.60
105.0	11.3	6.40	10.9	6.20	10.5	6.00	10.5	6.00	10.5	6.20	11.0	6.80	7.10	11.4	6.50
110.0	11.5	7.30	11.2	7.10	10.8	6.80	10.7	6.90	10.8	7.00	11.2	7.60	8.10	11.5	7.40
115.0	11.9	8.10	11.5	8.00	11.1	7.70	11.1	7.80	11.1	7.90	11.5	8.50	9.00	12.1	8.20
120.0	12.4	9.00	11.9	8.80	11.5	8.60	11.5	8.70	11.5	8.70	11.8	9.30	9.90	12.5	9.09
125.0	13.0	9.90	12.4	9.70	12.1	9.50	12.2	9.60	12.2	9.70	12.4	10.3	10.7	13.0	10.0
130.0	13.6	10.8	12.8	10.5	12.7	10.4	12.8	10.5	12.7	10.5	13.0	11.1	11.7	13.6	10.9
135.0	14.2	11.7	13.5	11.4	13.3	11.3	13.3	11.3	13.3	11.4	13.5	11.9	12.5	14.3	12.0
140.0	14.8	12.5	14.1	12.1	13.9	12.2	13.9	12.0	13.7	12.1	14.2	12.8	13.3	14.9	12.9
145.0	15.2	13.3	14.7	12.9	14.4	12.9	14.4	12.7	14.3	12.9	14.7	13.5	14.0	15.5	13.6
150.0	15.8	14.0	15.0	13.6	15.0	13.7	14.8	13.5	14.8	13.7	15.2	14.2	14.5	16.0	14.2
155.0	16.3	14.7	15.6	14.3	15.6	14.5	15.4	14.2	15.4	14.4	15.7	14.8	15.2	16.4	14.8
160.0	16.6	15.2	16.1	14.9	16.2	15.2	16.0	14.8	15.9	15.0	16.1	15.2	15.7	16.7	15.4
165.0	17.1	15.7	16.5	15.6	16.5	15.8	16.5	15.4	16.3	15.6	16.5	15.7	16.2	17.2	15.9
170.0	17.4	16.1	16.9	16.1	17.0	16.4	17.2	16.0	16.7	16.0	17.0	16.3	16.9	17.2	16.2
175.0	17.6	16.4	17.1	16.4	17.2	16.6	17.7	16.5	17.1	16.3	17.1	16.5	17.2	17.4	16.4
180.0	17.6	16.5	17.1	16.5	17.2	16.9	17.7	16.9	17.1	16.5	17.1	17.2	17.7	16.5	16.5

Temperature:25.3'C
Operators:
Test Date:12-01-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra. Flickering 1.2% Temp. 30.1C

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	1818	1818	1818	1818	1819	1820	1819	1820	1819
5.0	1809	1807	1809	1807	1810	1807	1810	1808	1813
10.0	1779	1775	1779	1774	1778	1775	1780	1776	1789
15.0	1730	1722	1729	1721	1729	1723	1733	1724	1744
20.0	1661	1651	1659	1650	1660	1652	1663	1655	1679
25.0	1575	1562	1572	1561	1573	1564	1576	1568	1598
30.0	1477	1460	1473	1458	1474	1461	1478	1466	1502
35.0	1365	1348	1361	1346	1362	1350	1367	1357	1396
40.0	1245	1226	1240	1223	1241	1227	1247	1233	1277
45.0	1120	1097	1115	1094	1118	1099	1122	1104	1152
50.0	988	966	983	963	985	968	990	974	1022
55.0	852	829	848	827	850	831	854	836	887
60.0	717	690	713	688	715	692	720	697	749
65.0	578	553	575	552	577	556	580	559	613
70.0	439	413	436	412	438	415	441	418	472
75.0	305	296	303	296	304	295	307	297	333
80.0	183	145	182	144	183	146	184	147	185
85.0	75.1	46.0	73.9	45.4	74.5	46.9	76.4	48.1	96.3
90.0	14.9	4.20	15.5	4.30	15.7	4.30	15.5	4.20	20.8
95.0	11.3	4.40	11.0	4.30	11.0	4.40	11.3	4.80	11.8
100.0	11.0	5.30	10.5	5.10	10.7	5.30	11.0	5.70	11.3
105.0	11.0	6.20	10.5	6.10	10.7	6.20	11.0	6.50	11.3
110.0	11.2	7.00	10.9	7.00	10.9	7.10	11.2	7.40	11.5
115.0	11.5	7.90	11.3	8.00	11.3	8.00	11.5	8.29	11.9
120.0	11.9	8.90	11.7	8.90	11.7	8.90	12.0	9.20	12.3
125.0	12.4	9.80	12.3	9.80	12.3	9.80	12.5	10.1	12.9
130.0	13.0	10.7	12.9	10.7	12.9	10.7	13.0	11.0	13.5
135.0	13.7	11.5	13.5	11.5	13.5	11.5	13.7	11.9	14.1
140.0	14.3	12.4	14.0	12.3	14.1	12.4	14.3	12.7	14.5
145.0	14.9	13.2	14.7	13.2	14.8	13.3	14.9	13.5	15.0
150.0	15.4	13.9	15.2	13.9	15.4	14.1	15.5	14.0	15.6
155.0	15.9	14.7	15.8	14.5	16.1	14.8	16.0	14.7	16.0
160.0	16.4	15.2	16.4	15.2	16.7	15.4	16.4	15.0	16.4
165.0	16.6	15.6	16.6	15.9	17.1	15.8	16.5	15.7	16.7
170.0	17.0	16.1	17.0	16.5	17.4	16.2	17.0	16.1	17.0
175.0	17.1	16.4	17.2	16.9	17.5	16.4	17.2	16.3	17.1
180.0	17.1	16.6	17.4	17.2	17.4	16.5	17.1	16.5	17.2

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