

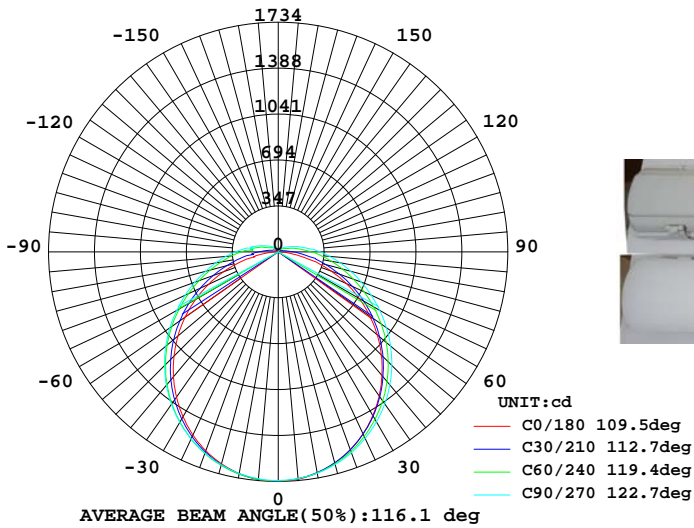
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40W Advanced 5000K Matovii:			
SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1734	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.28
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5710.9	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	135.7	Current(A)	0.200
NOMINAL FLUX(lm)	5710.9	η up(%)	6.6	Power(W)	42.09
LAMPS QUANTITY	1	η down(%)	93.4	Power Factor(PF)	0.955
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	5710.9	EEL	0.100

LUMINOUS INTENSITY DISTRIBUTION



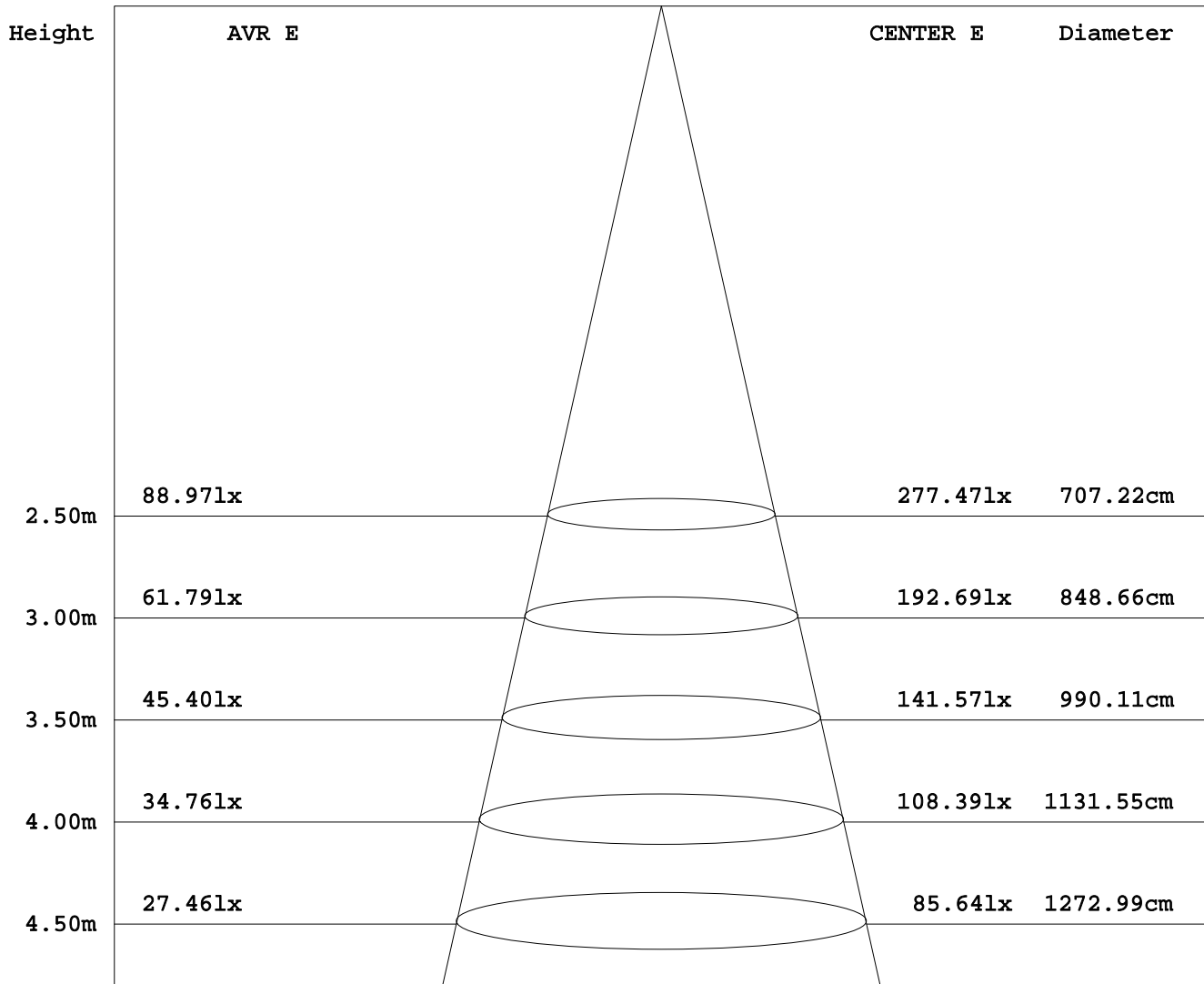
Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 1.2% Flickering

AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	SERIAL No.:



Angle: 109.5deg

Temperature: 25.3°C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 1.2% Flickering

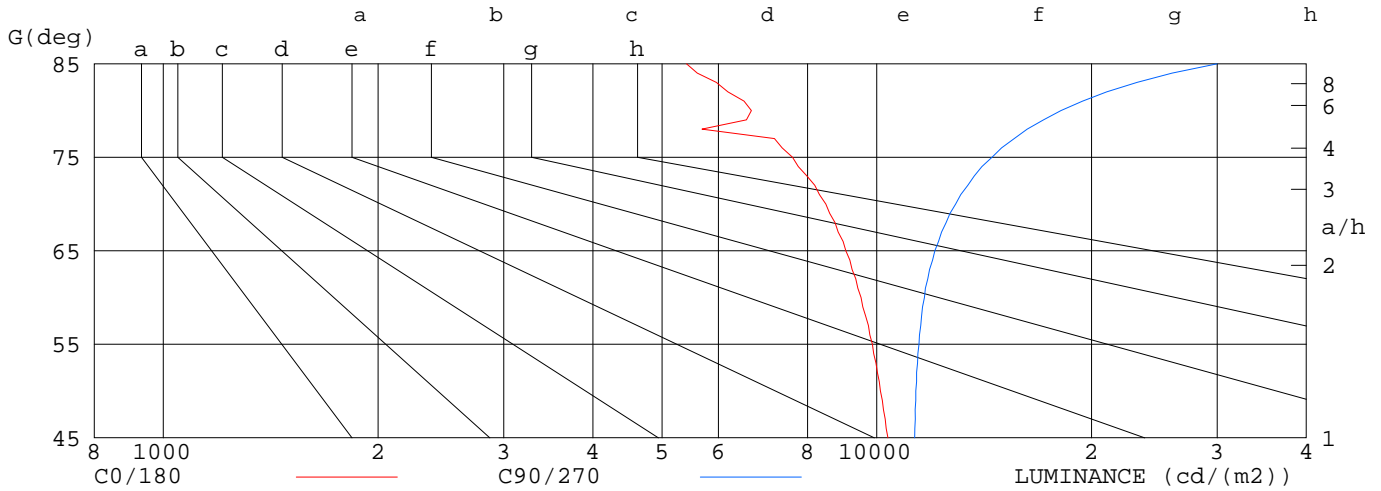
LUMINANCE LIMITATION CURVES

Report number:

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NAME: LSP 40W Advanced 5000K Matovii			
SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	5412	29990
80	6672	18117
75	7618	14502
70	8485	12901
65	9048	12063
60	9504	11661
55	9859	11462
50	10116	11343
45	10366	11303

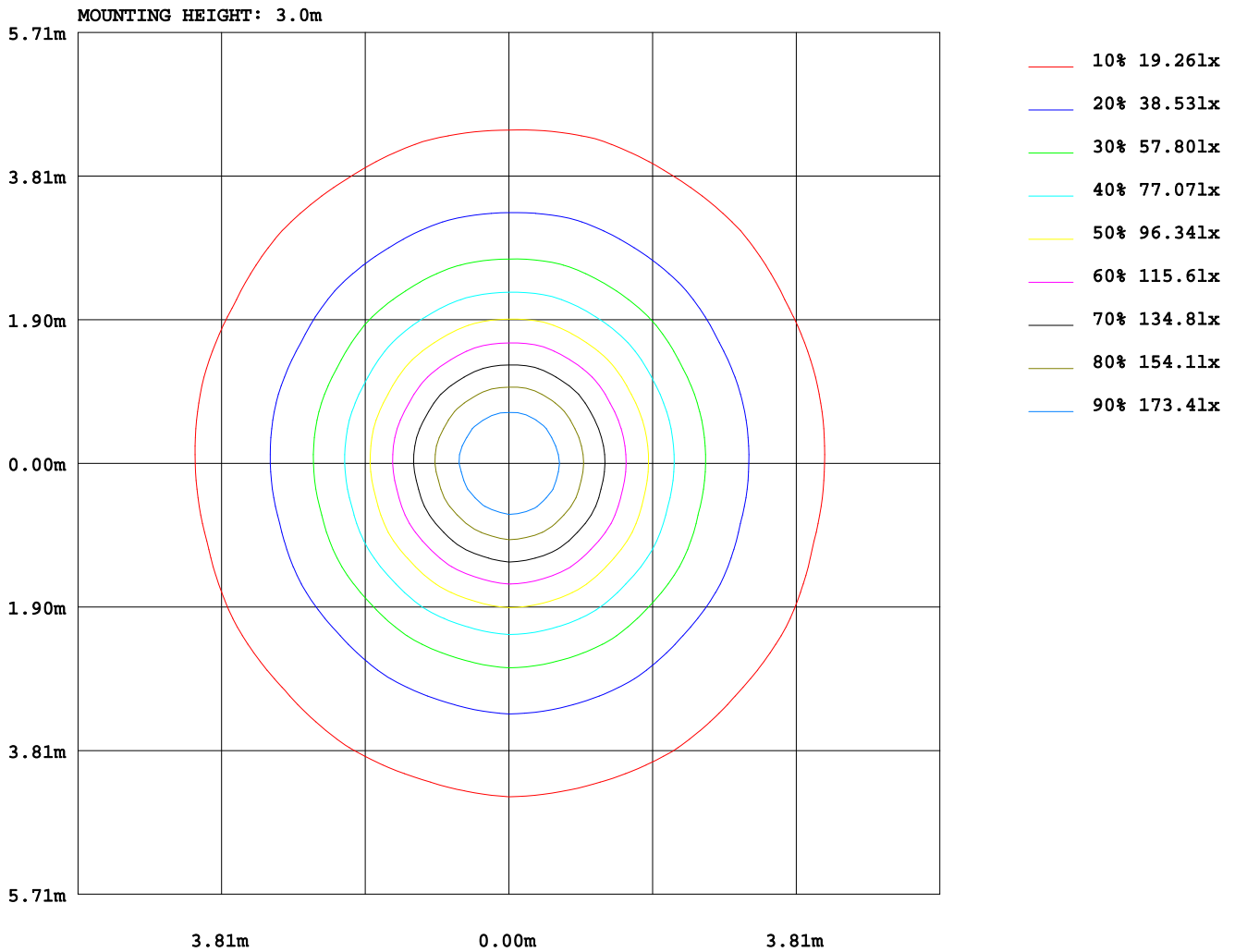
Temperature: 25.3 °C
 Operators:
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ISOLUX DIAGRAM

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UGR Table

Report number:

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SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	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	20.2	21.7	20.5	22.0	22.3	21.1	22.6	21.4	22.9	23.2
3H	21.6	23.0	22.0	23.3	23.7	23.1	24.5	23.5	24.8	25.2
4H	22.1	23.4	22.5	23.8	24.2	24.2	25.5	24.6	25.9	26.3
6H	22.5	23.7	22.9	24.1	24.5	25.3	26.6	25.8	27.0	27.4
8H	22.6	23.7	23.0	24.1	24.6	26.0	27.1	26.4	27.5	28.0
12H	22.6	23.8	23.1	24.2	24.6	26.7	27.8	27.1	28.2	28.7
4H 2H	21.0	22.3	21.4	22.6	23.0	21.7	23.0	22.1	23.3	23.7
3H	22.6	23.8	23.1	24.2	24.6	23.9	25.1	24.4	25.5	25.9
4H	23.3	24.4	23.8	24.8	25.3	25.2	26.2	25.7	26.7	27.2
6H	23.8	24.7	24.3	25.2	25.7	26.5	27.5	27.0	27.9	28.4
8H	23.9	24.8	24.4	25.3	25.8	27.3	28.1	27.8	28.6	29.2
12H	24.0	24.8	24.5	25.3	25.9	28.1	28.9	28.7	29.4	30.0
8H 4H	23.9	24.8	24.4	25.3	25.8	25.5	26.4	26.0	26.9	27.4
6H	24.6	25.4	25.2	25.9	26.5	27.1	27.9	27.7	28.4	29.0
8H	24.9	25.6	25.5	26.1	26.7	28.1	28.7	28.6	29.3	29.9
12H	25.1	25.7	25.7	26.3	26.9	29.2	29.7	29.7	30.3	30.9
12H 4H	24.1	24.9	24.6	25.4	25.9	25.5	26.3	26.0	26.8	27.4
6H	25.0	25.6	25.5	26.2	26.8	27.2	27.9	27.8	28.4	29.0
8H	25.4	25.9	25.9	26.5	27.1	28.3	28.8	28.8	29.4	30.0

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 5711 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.1)

Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 1.2% Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40W Advanced 5000K Matovii			
SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1734	1732	1731	1731	1730	1729	1727	1725	1726	1724	1723	1723	1734	1732	1731
5.0	1726	1723	1725	1723	1724	1722	1720	1715	1715	1712	1713	1712	1725	1724	1720
10.0	1701	1696	1703	1700	1705	1700	1700	1690	1692	1686	1690	1684	1697	1698	1693
15.0	1658	1652	1663	1660	1670	1665	1665	1651	1652	1641	1645	1637	1652	1656	1649
20.0	1598	1594	1608	1607	1620	1616	1617	1601	1599	1584	1589	1577	1592	1597	1591
25.0	1526	1520	1541	1540	1560	1554	1559	1536	1534	1513	1517	1501	1517	1524	1518
30.0	1439	1431	1458	1459	1486	1481	1488	1460	1457	1429	1431	1412	1428	1440	1433
35.0	1339	1334	1364	1370	1401	1400	1405	1376	1368	1337	1334	1314	1330	1342	1338
40.0	1233	1224	1262	1269	1308	1306	1316	1281	1273	1233	1230	1203	1220	1234	1232
45.0	1114	1106	1149	1160	1205	1204	1215	1177	1168	1122	1116	1084	1100	1121	1118
50.0	988	983	1030	1047	1095	1097	1108	1069	1056	1007	995	960	977	998	1000
55.0	860	852	909	927	982	985	999	955	942	885	872	829	845	868	875
60.0	722	716	780	803	865	870	886	840	823	760	743	693	708	738	747
65.0	581	581	650	682	747	759	775	731	706	639	611	557	570	602	619
70.0	441	443	524	563	638	651	671	623	598	520	486	419	426	466	491
75.0	300	311	402	452	533	549	571	523	495	412	365	296	300	336	371
80.0	176	186	296	357	437	458	478	434	402	320	261	163	150	183	286
85.0	71.6	100	202	281	355	375	397	354	323	233	185	80.4	50.0	124	175
90.0	19.0	50.3	149	199	282	303	324	284	254	171	123	36.3	8.90	63.5	114
95.0	16.5	29.0	102	149	197	237	261	221	201	126	82.3	21.6	9.50	35.5	75.0
100.0	15.9	20.4	71.5	110	177	187	211	173	157	93.3	58.7	16.0	10.2	25.6	51.5
105.0	15.5	17.2	49.5	80.4	139	147	170	136	123	68.6	40.4	13.6	10.9	20.5	37.0
110.0	15.4	14.8	42.2	56.4	96.2	108	134	98.7	85.3	49.2	35.5	12.3	11.5	18.0	29.1
115.0	15.5	13.3	34.9	46.0	76.5	86.0	109	79.5	69.0	40.7	29.3	11.9	12.2	16.3	23.1
120.0	15.5	12.9	28.7	39.8	64.5	72.0	90.5	67.0	59.6	34.7	24.1	12.4	12.7	15.5	19.4
125.0	15.7	13.4	25.0	33.7	55.1	60.2	75.4	56.0	50.5	29.0	20.7	13.0	13.2	15.5	17.1
130.0	15.9	13.7	21.5	28.2	46.7	49.0	62.4	46.2	42.0	23.9	18.5	13.6	13.7	15.6	14.9
135.0	16.0	14.0	19.1	23.6	38.6	39.7	50.5	37.4	34.5	19.9	17.6	14.0	14.2	15.6	13.5
140.0	16.2	14.2	17.7	19.7	31.7	32.1	40.5	29.9	28.4	17.1	17.5	14.4	14.5	15.8	13.7
145.0	16.3	14.5	17.5	16.6	26.4	25.4	32.1	23.5	23.2	16.2	17.5	14.9	14.9	15.9	14.0
150.0	16.5	15.2	17.5	16.1	21.6	20.2	25.2	18.9	20.2	16.4	17.7	15.4	15.2	16.2	14.5
155.0	17.0	15.8	17.8	16.3	19.9	17.8	21.1	17.7	19.6	16.5	17.8	15.9	16.0	16.5	15.0
160.0	17.5	16.3	17.9	16.5	19.1	17.7	20.4	17.6	19.3	16.9	18.0	16.3	16.6	17.2	15.5
165.0	18.0	16.7	18.1	16.9	18.7	17.5	19.9	17.4	19.1	17.0	18.0	16.6	17.2	17.7	15.9
170.0	18.5	17.2	18.2	17.2	18.7	17.2	19.4	17.4	19.0	17.2	18.2	16.9	17.9	18.1	16.5
175.0	18.9	17.6	18.6	17.5	18.7	16.9	19.4	17.6	18.9	17.6	18.4	17.1	18.4	18.4	17.4
180.0	18.9	18.0	18.6	17.9	18.7	17.4	19.2	17.5	18.5	17.5	18.0	17.2	19.0	18.5	17.9

Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 1.2% Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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SPECIFICATION:	CCT(K): 4841	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1731	1730	1729	1727	1725	1726	1724	1723	1723
5.0	1722	1720	1721	1719	1721	1720	1720	1717	1719
10.0	1698	1695	1700	1698	1703	1697	1700	1694	1694
15.0	1659	1656	1665	1662	1670	1663	1665	1654	1655
20.0	1606	1604	1616	1615	1625	1616	1614	1599	1599
25.0	1537	1538	1555	1554	1566	1553	1551	1529	1527
30.0	1459	1460	1485	1483	1498	1479	1475	1446	1444
35.0	1369	1375	1402	1403	1418	1395	1388	1354	1348
40.0	1269	1279	1311	1312	1328	1302	1291	1250	1243
45.0	1164	1174	1213	1213	1233	1200	1188	1138	1130
50.0	1050	1066	1106	1109	1127	1093	1076	1022	1009
55.0	931	950	994	997	1017	980	958	898	880
60.0	811	832	883	885	906	862	840	771	750
65.0	688	717	771	776	793	747	718	644	615
70.0	569	606	663	668	684	634	598	516	479
75.0	461	501	563	566	583	528	487	393	348
80.0	361	408	469	475	487	432	385	287	182
85.0	276	325	385	390	401	346	296	190	132
90.0	208	247	312	316	327	277	189	125	68.3
95.0	156	191	248	247	261	206	170	82.4	37.7
100.0	115	145	199	195	208	157	126	56.3	26.9
105.0	87.4	111	157	152	166	120	95.3	39.8	21.6
110.0	63.8	77.0	119	117	125	81.9	68.6	31.5	19.2
115.0	49.2	61.5	91.0	93.0	94.9	65.5	52.3	25.2	17.2
120.0	41.8	50.7	74.8	75.7	77.8	53.8	45.0	21.4	16.0
125.0	35.1	42.2	62.3	62.4	65.3	45.5	38.5	19.2	15.8
130.0	29.1	34.4	51.7	50.4	54.5	37.5	32.1	16.7	15.8
135.0	24.2	27.7	42.2	40.2	44.8	30.7	27.2	14.7	15.8
140.0	20.2	22.6	34.0	31.7	36.2	25.2	22.7	13.7	15.8
145.0	17.6	18.2	27.5	24.9	29.4	20.6	19.1	14.1	16.0
150.0	17.1	15.2	22.0	19.4	23.6	16.7	17.2	14.5	16.2
155.0	17.1	15.2	18.4	15.8	19.3	15.4	17.2	15.0	16.4
160.0	17.2	15.5	18.0	15.9	18.6	15.7	17.4	15.2	16.6
165.0	17.2	15.8	17.9	16.2	18.4	16.1	17.5	15.7	17.0
170.0	17.4	16.1	17.9	16.5	18.2	16.4	17.6	16.1	17.2
175.0	18.0	16.9	18.0	16.9	18.0	16.6	17.7	16.5	17.6
180.0	18.7	17.8	18.4	18.0	18.4	17.7	18.1	17.4	17.8

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