

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935895

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935895
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

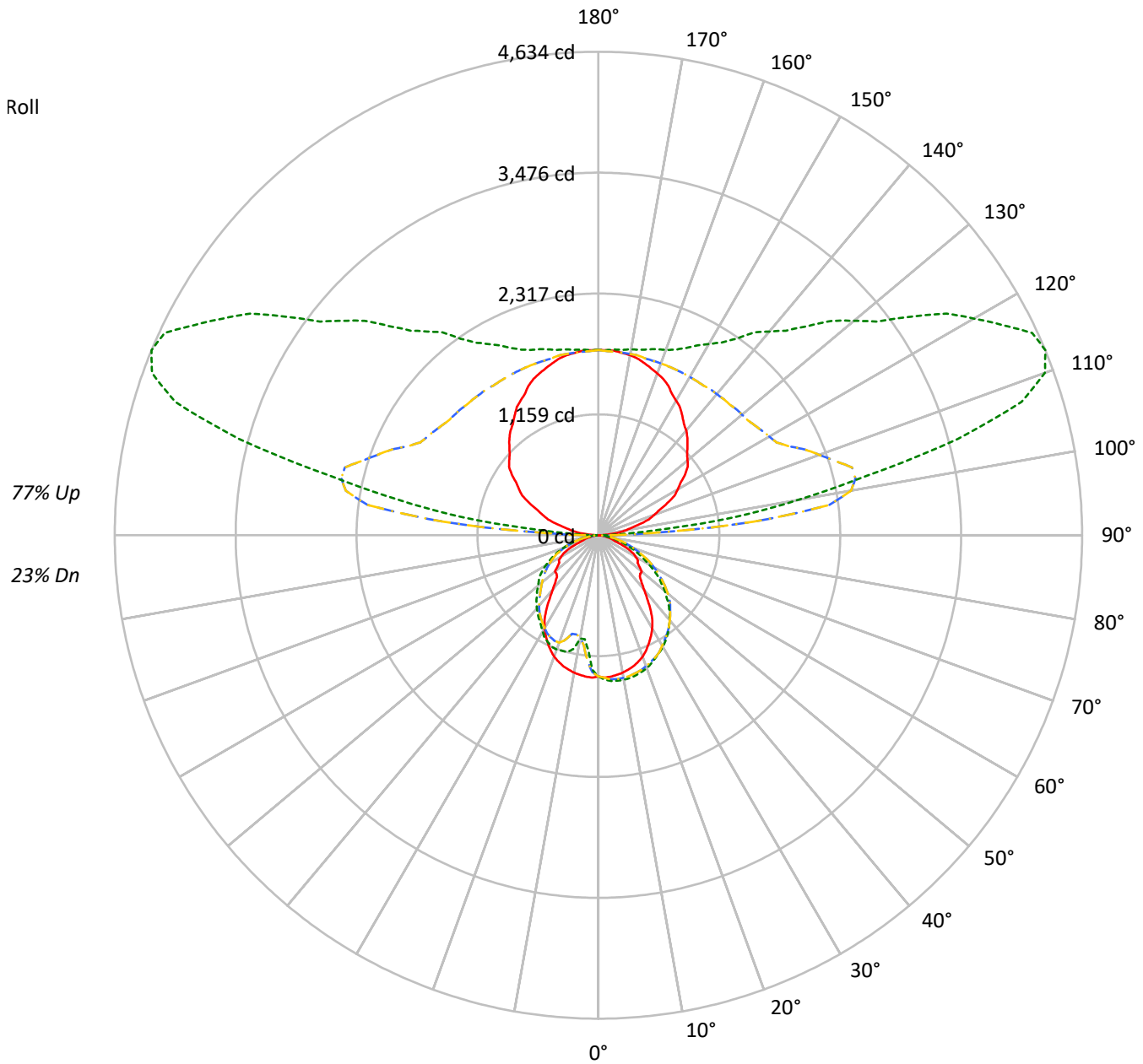
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15024.1 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6329	6341	6329	4986
10°	6286	6246	6286	4466
15°	6218	6111	6218	5103
20°	6088	5951	6088	5114
25°	5822	5717	5822	5005
30°	5478	5523	5478	4767
35°	4883	5277	4883	4506
40°	4069	4988	4069	4308
45°	3636	4650	3636	4081
50°	3863	4247	3863	3853
55°	3634	3812	3634	3721
60°	3747	3237	3747	3408
65°	3396	2676	3396	2992
70°	2352	2133	2352	2507
75°	2062	1576	2062	1888
80°	1662	1042	1662	1135
85°	955	553	955	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	0.8
10°-20°	347.0	2.3
20°-30°	536.4	3.6
30°-40°	640.4	4.3
40°-50°	644.1	4.3
50°-60°	560.5	3.7
60°-70°	397.4	2.6
70°-80°	210.2	1.4
80°-90°	59.1	0.4
90°-100°	865.2	5.8
100°-110°	2274.7	15.1
110°-120°	2358.7	15.7
120°-130°	1891.9	12.6
130°-140°	1484.5	9.9
140°-150°	1139.4	7.6
150°-160°	820.6	5.5
160°-170°	502.1	3.3
170°-180°	169.6	1.1
0°-30°	1005.6	6.7
0°-40°	1646.0	11.0
0°-60°	2850.6	19.0
0°-90°	3517.4	23.4
90°-120°	5498.6	36.6
90°-150°	10014.5	66.7
90°-180°	11507.0	76.6
0°-180°	15024.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1354	1354	1354	1354	1354	
5°	1360	1403	1360	1103	1360	129
15°	1299	1390	1299	1160	1299	365
25°	1144	1296	1144	1135	1144	525
35°	870	1157	870	988	870	538
45°	561	953	561	836	561	449
55°	457	703	457	686	457	420
65°	318	424	318	474	318	304
75°	120	201	120	241	120	127
85°	20	51	20	44	20	28
90°	12	45	12	45	12	11
95°	114	523	114	523	114	127
105°	410	3562	410	3562	410	434
115°	728	4586	728	4586	728	719
125°	1013	3652	1013	3652	1013	899
135°	1207	2834	1207	2834	1207	934
145°	1400	2299	1400	2299	1400	877
155°	1582	1980	1582	1980	1582	727
165°	1707	1844	1707	1844	1707	482
175°	1775	1787	1775	1787	1775	168
180°	1775	1775	1775	1775	1775	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1365.5	1365.5	1373.2	1375.8	1375.8	1371.9	1368.0	1371.9	1383.4	1387.2	1386.0
5°	1360.4	1370.6	1384.8	1387.2	1389.8	1388.6	1386.0	1388.6	1401.4	1403.9	1405.2
7.5°	1350.1	1369.4	1387.2	1391.1	1395.0	1391.1	1389.8	1392.4	1405.2	1407.8	1407.8
10°	1337.3	1364.2	1384.8	1387.2	1391.1	1387.2	1387.2	1392.4	1405.2	1407.8	1409.0
12.5°	1319.3	1356.5	1375.8	1378.3	1383.4	1382.2	1380.8	1386.0	1398.8	1401.4	1401.4
15°	1298.9	1342.4	1360.4	1362.9	1371.9	1369.4	1369.4	1374.4	1388.6	1392.4	1391.1
17.5°	1270.7	1324.5	1345.0	1348.8	1355.2	1354.0	1355.2	1360.4	1373.2	1375.8	1377.0
20°	1238.6	1300.1	1324.5	1328.3	1334.7	1334.7	1334.7	1341.1	1354.0	1359.1	1359.1
22.5°	1195.1	1274.5	1300.1	1302.7	1310.5	1310.5	1312.9	1321.9	1333.5	1334.7	1334.7
25°	1143.9	1246.4	1268.1	1275.8	1283.5	1287.3	1291.2	1296.3	1300.1	1298.9	1300.1
27.5°	1090.1	1210.5	1238.6	1243.8	1254.0	1257.9	1263.0	1264.3	1265.6	1269.4	1266.9
30°	1029.9	1160.5	1202.8	1208.0	1224.6	1227.2	1222.0	1224.6	1231.0	1233.6	1236.2
32.5°	962.0	1086.2	1165.7	1177.2	1192.6	1184.9	1183.6	1187.4	1197.7	1197.7	1200.2
35°	869.7	1028.6	1131.1	1141.3	1152.9	1143.9	1149.1	1150.3	1156.7	1160.5	1159.3
37.5°	768.6	978.7	1095.2	1102.9	1111.9	1100.4	1108.0	1111.9	1117.0	1114.4	1114.4
40°	678.9	900.5	1053.0	1058.0	1065.8	1056.8	1064.4	1067.0	1069.6	1067.0	1065.8
42.5°	612.3	814.7	1008.1	1014.5	1009.3	1015.8	1018.3	1023.5	1019.7	1014.5	1014.5
45°	561.1	791.6	959.4	967.1	959.4	969.7	973.5	973.5	962.0	959.4	958.2
47.5°	544.4	745.5	910.8	910.8	906.9	919.8	926.2	917.2	905.6	901.8	901.8
50°	543.1	694.3	844.1	839.1	856.9	872.3	865.9	856.9	847.9	833.9	833.9
52.5°	493.2	631.5	758.4	777.6	805.7	814.7	804.4	795.5	780.1	773.6	768.6
55°	457.3	566.2	680.2	718.6	748.1	759.6	740.4	731.4	708.3	704.5	701.9
57.5°	449.6	471.4	608.4	657.1	692.9	691.7	680.2	663.5	644.3	640.5	639.2
60°	412.5	340.7	531.6	589.2	626.4	622.6	612.3	596.9	579.0	576.4	573.9
62.5°	374.1	247.2	444.5	509.8	562.3	561.1	552.1	529.1	516.2	509.8	504.7
65°	317.6	207.5	316.4	424.0	499.6	502.1	482.9	466.2	452.2	444.5	443.2
67.5°	242.1	169.1	213.9	353.5	439.4	436.8	412.5	404.8	386.9	383.1	375.3
70°	179.3	112.7	148.6	287.0	380.5	374.1	354.8	345.9	329.2	320.2	315.2
72.5°	148.6	90.9	108.9	222.9	320.2	312.6	295.9	285.6	271.6	263.9	258.7
75°	120.4	96.1	83.3	165.2	260.0	254.9	239.5	229.3	217.7	207.5	208.8
77.5°	88.4	89.7	66.6	121.7	206.3	198.5	189.6	176.8	171.6	161.4	161.4
80°	66.6	70.5	49.9	83.3	148.6	148.6	140.9	132.0	123.0	117.8	117.8
82.5°	44.8	44.8	37.1	52.5	101.2	97.3	92.3	89.7	84.5	81.9	81.9
85°	20.5	25.6	23.0	32.0	55.1	57.7	57.7	55.1	53.8	51.3	52.5
87.5°	6.4	11.6	14.1	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9	226.3	217.4
95°	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1	768.4	741.1
97.5°	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9	1773.8	1722.0
100°	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8	2490.9	2429.1
102.5°	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5	3103.3	3050.4
105°	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7	3818.1	3789.6
107.5°	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8	4189.8	4196.7
110°	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6	4285.1	4314.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9	4224.3	4269.8
115°	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2	4018.2	4081.3
117.5°	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7	3733.5	3803.5
120°	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0	3541.7	3609.7
122.5°	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9	3349.9	3417.0
125°	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8	3096.1	3157.9
127.5°	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7	2892.4	2944.6
130°	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7	2763.8	2812.0
132.5°	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8	2654.1	2697.3
135°	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9	2499.3	2536.5
137.5°	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8	2384.9	2415.4
140°	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9	2293.2	2321.7
142.5°	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0	2228.9	2253.3
145°	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7	2132.4	2150.9
147.5°	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6	2051.3	2066.7
150°	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7	2004.9	2017.3
152.5°	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1	1968.0	1977.3
155°	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7	1923.9	1930.2
157.5°	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3	1885.8	1890.2
160°	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6	1866.7	1869.2
162.5°	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7	1848.9	1851.3
165°	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5	1821.5	1824.0
167.5°	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4	1809.5	1810.6
170°	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4	1809.5	1809.5
172.5°	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0	1800.0	1799.0
175°	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4	1786.9	1786.9
177.5°	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6	1784.5	1783.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1388.6	1384.8	1388.6	1386.0	1387.2	1383.4	1371.9	1368.0	1371.9	1375.8	1375.8
5°	1405.2	1402.6	1405.2	1405.2	1403.9	1401.4	1388.6	1386.0	1388.6	1389.8	1387.2
7.5°	1410.3	1406.5	1410.3	1407.8	1407.8	1405.2	1392.4	1389.8	1391.1	1395.0	1391.1
10°	1410.3	1406.5	1410.3	1409.0	1407.8	1405.2	1392.4	1387.2	1387.2	1391.1	1387.2
12.5°	1403.9	1401.4	1403.9	1401.4	1401.4	1398.8	1386.0	1380.8	1382.2	1383.4	1378.3
15°	1393.6	1389.8	1393.6	1391.1	1392.4	1388.6	1374.4	1369.4	1369.4	1371.9	1362.9
17.5°	1378.3	1373.2	1378.3	1377.0	1375.8	1373.2	1360.4	1355.2	1354.0	1355.2	1348.8
20°	1360.4	1356.5	1360.4	1359.1	1359.1	1354.0	1341.1	1334.7	1334.7	1334.7	1328.3
22.5°	1332.2	1328.3	1332.2	1334.7	1334.7	1333.5	1321.9	1312.9	1310.5	1310.5	1302.7
25°	1300.1	1296.3	1300.1	1300.1	1298.9	1300.1	1296.3	1291.2	1287.3	1283.5	1275.8
27.5°	1269.4	1266.9	1269.4	1266.9	1269.4	1265.6	1264.3	1263.0	1257.9	1254.0	1243.8
30°	1238.6	1236.2	1238.6	1236.2	1233.6	1231.0	1224.6	1222.0	1227.2	1224.6	1208.0
32.5°	1200.2	1197.7	1200.2	1200.2	1197.7	1197.7	1187.4	1183.6	1184.9	1192.6	1177.2
35°	1160.5	1156.7	1160.5	1159.3	1160.5	1156.7	1150.3	1149.1	1143.9	1152.9	1141.3
37.5°	1114.4	1110.6	1114.4	1114.4	1114.4	1117.0	1111.9	1108.0	1100.4	1111.9	1102.9
40°	1067.0	1061.9	1067.0	1065.8	1067.0	1069.6	1067.0	1064.4	1056.8	1065.8	1058.0
42.5°	1013.3	1011.9	1013.3	1014.5	1014.5	1019.7	1023.5	1018.3	1015.8	1009.3	1014.5
45°	955.6	953.0	955.6	958.2	959.4	962.0	973.5	973.5	969.7	959.4	967.1
47.5°	894.1	887.7	894.1	901.8	901.8	905.6	917.2	926.2	919.8	906.9	910.8
50°	828.7	830.1	828.7	833.9	833.9	847.9	856.9	865.9	872.3	856.9	839.1
52.5°	764.8	763.4	764.8	768.6	773.6	780.1	795.5	804.4	814.7	805.7	777.6
55°	700.7	703.3	700.7	701.9	704.5	708.3	731.4	740.4	759.6	748.1	718.6
57.5°	636.6	632.8	636.6	639.2	640.5	644.3	663.5	680.2	691.7	692.9	657.1
60°	562.3	557.2	562.3	573.9	576.4	579.0	596.9	612.3	622.6	626.4	589.2
62.5°	497.0	488.0	497.0	504.7	509.8	516.2	529.1	552.1	561.1	562.3	509.8
65°	427.8	424.0	427.8	443.2	444.5	452.2	466.2	482.9	502.1	499.6	424.0
67.5°	365.1	365.1	365.1	375.3	383.1	386.9	404.8	412.5	436.8	439.4	353.5
70°	307.4	306.2	307.4	315.2	320.2	329.2	345.9	354.8	374.1	380.5	287.0
72.5°	252.3	251.1	252.3	258.7	263.9	271.6	285.6	295.9	312.6	320.2	222.9
75°	203.7	201.1	203.7	208.8	207.5	217.7	229.3	239.5	254.9	260.0	165.2
77.5°	156.2	156.2	156.2	161.4	161.4	171.6	176.8	189.6	198.5	206.3	121.7
80°	116.6	115.3	116.6	117.8	117.8	123.0	132.0	140.9	148.6	148.6	83.3
82.5°	81.9	79.5	81.9	81.9	81.9	84.5	89.7	92.3	97.3	101.2	52.5
85°	51.3	51.3	51.3	52.5	51.3	53.8	55.1	57.7	57.7	55.1	32.0
87.5°	33.3	32.0	33.3	32.0	32.0	30.8	30.8	30.8	29.5	28.2	18.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7	323.3	230.0
95°	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6	795.3	447.9
97.5°	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9	1071.4	492.0
100°	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0	1171.9	529.0
102.5°	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2	1217.9	565.8
105°	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8	1252.0	620.7
107.5°	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7	1258.4	701.6
110°	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1	1248.9	746.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9	1249.2	801.7
115°	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2	1260.8	883.9
117.5°	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5	1284.2	963.8
120°	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0	1303.3	1010.2
122.5°	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9	1330.7	1065.0
125°	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3	1367.6	1135.3
127.5°	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0	1404.5	1203.2
130°	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5	1431.5	1248.5
132.5°	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4	1453.4	1285.4
135°	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7	1477.2	1328.3
137.5°	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1	1512.9	1383.0
140°	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8	1534.8	1420.0
142.5°	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9	1553.0	1447.4
145°	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9	1576.9	1489.1
147.5°	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5	1611.8	1541.6
150°	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6	1630.0	1568.9
152.5°	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6	1642.0	1586.8
155°	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3	1668.2	1626.1
157.5°	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0	1694.4	1665.4
160°	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0	1706.3	1683.3
162.5°	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3	1719.0	1702.4
165°	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3	1737.2	1729.7
167.5°	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1	1751.6	1745.3
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0	1763.5	1763.1
172.5°	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7	1771.4	1775.0
177.5°	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5	1772.2	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1373.2	1365.5	1365.5	1352.7	1347.6	1343.7	1337.3	1318.1	1312.9	1307.9	1315.5
5°	1384.8	1370.6	1360.4	1337.3	1318.1	1310.5	1286.1	1240.0	1209.2	1186.1	1173.3
7.5°	1387.2	1369.4	1350.1	1314.3	1268.1	1247.6	1173.3	1088.8	1065.8	1045.2	1032.5
10°	1384.8	1364.2	1337.3	1283.5	1174.6	1138.7	1064.4	1009.3	995.3	991.5	995.3
12.5°	1375.8	1356.5	1319.3	1229.8	1077.2	1053.0	1009.3	977.3	974.8	981.2	1015.8
15°	1360.4	1342.4	1298.9	1157.9	1023.5	1005.5	974.8	963.3	977.3	1022.2	1125.9
17.5°	1345.0	1324.5	1270.7	1087.6	982.5	969.7	947.9	970.9	1050.4	1110.6	1145.1
20°	1324.5	1300.1	1238.6	1036.3	953.0	941.5	931.2	1035.0	1095.2	1117.0	1136.2
22.5°	1300.1	1274.5	1195.1	1000.5	922.2	913.4	919.8	1070.8	1095.2	1110.6	1127.2
25°	1268.1	1246.4	1143.9	972.3	898.0	887.7	912.0	1067.0	1081.2	1085.0	1118.3
27.5°	1238.6	1210.5	1090.1	946.6	868.5	864.7	918.4	1050.4	1060.6	1064.4	1100.4
30°	1202.8	1160.5	1029.9	919.8	837.7	836.5	919.8	1029.9	1027.3	1037.6	1073.4
32.5°	1165.7	1086.2	962.0	886.4	808.3	807.0	910.8	999.1	996.5	1010.7	1037.6
35°	1131.1	1028.6	869.7	847.9	771.2	772.4	889.0	963.3	964.6	977.3	994.1
37.5°	1095.2	978.7	768.6	805.7	735.3	735.3	859.5	930.0	927.4	931.2	954.3
40°	1053.0	900.5	678.9	750.6	701.9	698.1	823.7	894.1	885.1	883.9	915.8
42.5°	1008.1	814.7	612.3	677.7	663.5	658.4	780.1	850.5	833.9	837.7	878.7
45°	959.4	791.6	561.1	572.6	623.8	620.0	732.7	800.6	789.0	799.3	841.5
47.5°	910.8	745.5	544.4	475.2	581.6	580.3	680.2	751.9	745.5	755.8	800.6
50°	844.1	694.3	543.1	407.3	534.1	539.3	617.4	704.5	704.5	713.5	760.8
52.5°	758.4	631.5	493.2	368.9	479.0	494.4	562.3	663.5	666.1	675.1	717.3
55°	680.2	566.2	457.3	339.4	413.7	447.0	508.5	621.2	626.4	635.4	673.8
57.5°	608.4	471.4	449.6	304.8	353.5	385.5	461.2	580.3	582.8	590.5	627.6
60°	531.6	340.7	412.5	267.7	301.0	325.4	417.6	531.6	540.5	545.7	577.7
62.5°	444.5	247.2	374.1	242.1	275.4	280.5	381.7	485.5	497.0	500.9	520.1
65°	316.4	207.5	317.6	220.3	248.5	249.8	343.3	438.1	448.4	454.8	468.8
67.5°	213.9	169.1	242.1	199.8	228.1	229.3	306.2	383.1	397.1	402.2	411.2
70°	148.6	112.7	179.3	178.0	204.9	207.5	266.4	333.0	345.9	349.7	354.8
72.5°	108.9	90.9	148.6	160.2	180.6	183.2	225.5	276.7	289.5	293.4	295.9
75°	83.3	96.1	120.4	139.6	153.8	155.0	184.4	225.5	234.5	236.9	238.3
77.5°	66.6	89.7	88.4	112.7	125.5	123.0	144.8	174.2	181.9	181.9	181.9
80°	49.9	70.5	66.6	80.7	92.3	89.7	103.7	124.2	126.8	129.4	128.1
82.5°	37.1	44.8	44.8	51.3	61.5	58.9	69.1	80.7	80.7	80.7	83.3
85°	23.0	25.6	20.5	26.9	34.6	33.3	38.4	43.5	44.8	44.8	42.3
87.5°	14.1	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9
95°	410.8	262.6	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1
97.5°	459.4	328.5	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9
100°	499.3	380.7	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8
102.5°	538.1	427.6	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5
105°	597.3	503.5	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7
107.5°	679.8	592.5	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8
110°	727.2	648.3	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	782.9	707.8	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9
115°	866.6	797.2	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2
117.5°	948.0	885.0	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7
120°	995.4	936.1	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0
122.5°	1050.0	990.2	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9
125°	1121.6	1067.1	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8
127.5°	1189.5	1134.3	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7
130°	1233.7	1174.4	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7
132.5°	1270.6	1211.3	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8
135°	1314.8	1260.8	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9
137.5°	1369.7	1316.3	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8
140°	1407.7	1358.5	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9
142.5°	1436.0	1390.5	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0
145°	1479.2	1439.5	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7
147.5°	1531.9	1493.2	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6
150°	1560.2	1525.2	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7
152.5°	1580.2	1553.7	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1
155°	1621.2	1601.6	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7
157.5°	1660.6	1641.6	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3
160°	1679.6	1664.8	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6
162.5°	1699.6	1688.4	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7
165°	1727.2	1717.1	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5
167.5°	1744.0	1739.2	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4
170°	1761.9	1757.1	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4
172.5°	1764.0	1762.9	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0
175°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4
177.5°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1306.5	1302.7	1307.9	1293.7	1307.9	1302.7	1306.5	1315.5	1307.9	1312.9	1318.1
5°	1146.5	1140.1	1119.5	1102.9	1119.5	1140.1	1146.5	1173.3	1186.1	1209.2	1240.0
7.5°	1024.7	1019.7	1014.5	1004.3	1014.5	1019.7	1024.7	1032.5	1045.2	1065.8	1088.8
10°	997.9	999.1	1006.9	1005.5	1006.9	999.1	997.9	995.3	991.5	995.3	1009.3
12.5°	1067.0	1078.6	1120.8	1118.3	1120.8	1078.6	1067.0	1015.8	981.2	974.8	977.3
15°	1146.5	1150.3	1159.3	1160.5	1159.3	1150.3	1146.5	1125.9	1022.2	977.3	963.3
17.5°	1154.1	1155.5	1161.9	1161.9	1161.9	1155.5	1154.1	1145.1	1110.6	1050.4	970.9
20°	1147.7	1150.3	1163.1	1165.7	1163.1	1150.3	1147.7	1136.2	1117.0	1095.2	1035.0
22.5°	1145.1	1150.3	1160.5	1159.3	1160.5	1150.3	1145.1	1127.2	1110.6	1095.2	1070.8
25°	1132.3	1132.3	1133.7	1134.9	1133.7	1132.3	1132.3	1118.3	1085.0	1081.2	1067.0
27.5°	1105.4	1108.0	1115.7	1114.4	1115.7	1108.0	1105.4	1100.4	1064.4	1060.6	1050.4
30°	1081.2	1078.6	1072.2	1067.0	1072.2	1078.6	1081.2	1073.4	1037.6	1027.3	1029.9
32.5°	1040.1	1033.7	1027.3	1023.5	1027.3	1033.7	1040.1	1037.6	1010.7	996.5	999.1
35°	991.5	992.7	991.5	987.6	991.5	992.7	991.5	994.1	977.3	964.6	963.3
37.5°	956.9	959.4	958.2	953.0	958.2	959.4	956.9	954.3	931.2	927.4	930.0
40°	921.0	922.2	921.0	917.2	921.0	922.2	921.0	915.8	883.9	885.1	894.1
42.5°	886.4	885.1	881.3	878.7	881.3	885.1	886.4	878.7	837.7	833.9	850.5
45°	846.7	847.9	840.3	836.5	840.3	847.9	846.7	841.5	799.3	789.0	800.6
47.5°	807.0	807.0	800.6	796.8	800.6	807.0	807.0	800.6	755.8	745.5	751.9
50°	764.8	763.4	754.4	753.2	754.4	763.4	764.8	760.8	713.5	704.5	704.5
52.5°	716.1	716.1	717.3	719.9	717.3	716.1	716.1	717.3	675.1	666.1	663.5
55°	673.8	675.1	684.1	686.5	684.1	675.1	673.8	673.8	635.4	626.4	621.2
57.5°	630.2	630.2	636.6	636.6	636.6	630.2	630.2	627.6	590.5	582.8	580.3
60°	580.3	582.8	588.0	586.7	588.0	582.8	580.3	577.7	545.7	540.5	531.6
62.5°	527.7	530.3	531.6	529.1	531.6	530.3	527.7	520.1	500.9	497.0	485.5
65°	472.6	475.2	476.5	474.0	476.5	475.2	472.6	468.8	454.8	448.4	438.1
67.5°	416.3	415.0	413.7	418.9	413.7	415.0	416.3	411.2	402.2	397.1	383.1
70°	358.7	358.7	357.4	359.9	357.4	358.7	358.7	354.8	349.7	345.9	333.0
72.5°	297.2	295.9	301.0	297.2	301.0	295.9	297.2	295.9	293.4	289.5	276.7
75°	236.9	239.5	236.9	240.9	236.9	239.5	236.9	238.3	236.9	234.5	225.5
77.5°	180.6	183.2	180.6	180.6	180.6	183.2	180.6	181.9	181.9	181.9	174.2
80°	128.1	126.8	126.8	125.5	126.8	126.8	128.1	128.1	129.4	126.8	124.2
82.5°	81.9	80.7	80.7	83.3	80.7	80.7	81.9	83.3	80.7	80.7	80.7
85°	44.8	46.1	43.5	43.5	43.5	46.1	44.8	42.3	44.8	44.8	43.5
87.5°	16.6	15.4	15.4	15.4	15.4	15.4	16.6	18.0	18.0	18.0	19.2
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.3	217.4	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7
95°	768.4	741.1	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6
97.5°	1773.8	1722.0	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9
100°	2490.9	2429.1	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0
102.5°	3103.3	3050.4	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2
105°	3818.1	3789.6	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8
107.5°	4189.8	4196.7	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7
110°	4285.1	4314.7	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4224.3	4269.8	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9
115°	4018.2	4081.3	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2
117.5°	3733.5	3803.5	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5
120°	3541.7	3609.7	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0
122.5°	3349.9	3417.0	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9
125°	3096.1	3157.9	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3
127.5°	2892.4	2944.6	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0
130°	2763.8	2812.0	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5
132.5°	2654.1	2697.3	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4
135°	2499.3	2536.5	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7
137.5°	2384.9	2415.4	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1
140°	2293.2	2321.7	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8
142.5°	2228.9	2253.3	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9
145°	2132.4	2150.9	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9
147.5°	2051.3	2066.7	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5
150°	2004.9	2017.3	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6
152.5°	1968.0	1977.3	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6
155°	1923.9	1930.2	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3
157.5°	1885.8	1890.2	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0
160°	1866.7	1869.2	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0
162.5°	1848.9	1851.3	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3
165°	1821.5	1824.0	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3
167.5°	1809.5	1810.6	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0
172.5°	1800.0	1799.0	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7
177.5°	1784.5	1783.5	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1354.0	1354.0	1354.0	1354.0	1354.0
2.5°	1337.3	1343.7	1347.6	1352.7	1365.5
5°	1286.1	1310.5	1318.1	1337.3	1360.4
7.5°	1173.3	1247.6	1268.1	1314.3	1350.1
10°	1064.4	1138.7	1174.6	1283.5	1337.3
12.5°	1009.3	1053.0	1077.2	1229.8	1319.3
15°	974.8	1005.5	1023.5	1157.9	1298.9
17.5°	947.9	969.7	982.5	1087.6	1270.7
20°	931.2	941.5	953.0	1036.3	1238.6
22.5°	919.8	913.4	922.2	1000.5	1195.1
25°	912.0	887.7	898.0	972.3	1143.9
27.5°	918.4	864.7	868.5	946.6	1090.1
30°	919.8	836.5	837.7	919.8	1029.9
32.5°	910.8	807.0	808.3	886.4	962.0
35°	889.0	772.4	771.2	847.9	869.7
37.5°	859.5	735.3	735.3	805.7	768.6
40°	823.7	698.1	701.9	750.6	678.9
42.5°	780.1	658.4	663.5	677.7	612.3
45°	732.7	620.0	623.8	572.6	561.1
47.5°	680.2	580.3	581.6	475.2	544.4
50°	617.4	539.3	534.1	407.3	543.1
52.5°	562.3	494.4	479.0	368.9	493.2
55°	508.5	447.0	413.7	339.4	457.3
57.5°	461.2	385.5	353.5	304.8	449.6
60°	417.6	325.4	301.0	267.7	412.5
62.5°	381.7	280.5	275.4	242.1	374.1
65°	343.3	249.8	248.5	220.3	317.6
67.5°	306.2	229.3	228.1	199.8	242.1
70°	266.4	207.5	204.9	178.0	179.3
72.5°	225.5	183.2	180.6	160.2	148.6
75°	184.4	155.0	153.8	139.6	120.4
77.5°	144.8	123.0	125.5	112.7	88.4
80°	103.7	89.7	92.3	80.7	66.6
82.5°	69.1	58.9	61.5	51.3	44.8
85°	38.4	33.3	34.6	26.9	20.5
87.5°	18.0	15.4	15.4	10.2	6.4
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.3	230.0	209.7	128.6	47.7
95°	795.3	447.9	410.8	262.6	114.4
97.5°	1071.4	492.0	459.4	328.5	197.8
100°	1171.9	529.0	499.3	380.7	262.1
102.5°	1217.9	565.8	538.1	427.6	316.9
105°	1252.0	620.7	597.3	503.5	409.8
107.5°	1258.4	701.6	679.8	592.5	505.1
110°	1248.9	746.9	727.2	648.3	569.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1249.2	801.7	782.9	707.8	632.6
115°	1260.8	883.9	866.6	797.2	727.9
117.5°	1284.2	963.8	948.0	885.0	822.0
120°	1303.3	1010.2	995.4	936.1	876.8
122.5°	1330.7	1065.0	1050.0	990.2	930.4
125°	1367.6	1135.3	1121.6	1067.1	1012.6
127.5°	1404.5	1203.2	1189.5	1134.3	1079.3
130°	1431.5	1248.5	1233.7	1174.4	1115.1
132.5°	1453.4	1285.4	1270.6	1211.3	1152.0
135°	1477.2	1328.3	1314.8	1260.8	1206.7
137.5°	1512.9	1383.0	1369.7	1316.3	1262.8
140°	1534.8	1420.0	1407.7	1358.5	1309.2
142.5°	1553.0	1447.4	1436.0	1390.5	1344.9
145°	1576.9	1489.1	1479.2	1439.5	1399.7
147.5°	1611.8	1541.6	1531.9	1493.2	1454.6
150°	1630.0	1568.9	1560.2	1525.2	1490.3
152.5°	1642.0	1586.8	1580.2	1553.7	1527.2
155°	1668.2	1626.1	1621.2	1601.6	1582.1
157.5°	1694.4	1665.4	1660.6	1641.6	1622.5
160°	1706.3	1683.3	1679.6	1664.8	1650.0
162.5°	1719.0	1702.4	1699.6	1688.4	1677.4
165°	1737.2	1729.7	1727.2	1717.1	1707.1
167.5°	1751.6	1745.3	1744.0	1739.2	1734.5
170°	1763.5	1763.1	1761.9	1757.1	1752.3
172.5°	1764.3	1764.3	1764.0	1762.9	1761.9
175°	1771.4	1775.0	1775.0	1775.0	1775.0
177.5°	1772.2	1775.0	1775.0	1775.0	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	7.98	8.65	9.14	9.79	11.40	10.82	11.48	11.98	12.63	14.23
	3H	8.44	9.04	9.61	10.19	11.81	12.15	12.75	13.32	13.90	15.52
	4H	8.62	9.19	9.80	10.34	11.97	12.59	13.15	13.76	14.31	15.93
	6H	8.73	9.25	9.91	10.41	12.04	12.87	13.38	14.05	14.54	16.18
	8H	8.73	9.22	9.91	10.39	12.02	12.93	13.43	14.12	14.60	16.23
	12H	8.69	9.16	9.88	10.32	11.98	12.97	13.44	14.15	14.60	16.25
4H	2H	8.99	9.56	10.17	10.71	12.33	11.20	11.77	12.38	12.92	14.55
	3H	10.00	10.47	11.18	11.65	13.29	12.69	13.16	13.88	14.34	15.98
	4H	10.27	10.70	11.45	11.87	13.52	13.21	13.65	14.40	14.81	16.47
	6H	10.38	10.75	11.57	11.94	13.58	13.57	13.94	14.76	15.13	16.77
	8H	10.38	10.73	11.57	11.91	13.57	13.67	14.02	14.86	15.20	16.86
	12H	10.34	10.65	11.54	11.84	13.51	13.72	14.04	14.93	15.23	16.89
8H	4H	10.71	11.05	11.90	12.23	13.89	13.32	13.67	14.51	14.85	16.51
	6H	10.96	11.25	12.17	12.47	14.13	13.75	14.04	14.96	15.26	16.92
	8H	11.00	11.25	12.21	12.45	14.13	13.90	14.15	15.12	15.35	17.03
	12H	10.98	11.19	12.19	12.39	14.10	13.99	14.21	15.21	15.41	17.12
12H	4H	10.70	11.02	11.91	12.21	13.87	13.28	13.59	14.48	14.78	16.45
	6H	11.02	11.27	12.23	12.47	14.15	13.75	14.00	14.96	15.19	16.87
	8H	11.08	11.29	12.29	12.49	14.20	13.90	14.12	15.12	15.32	17.03