

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: P936052

Luminaire Tested: SQ4-FA-150U-100D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936052
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

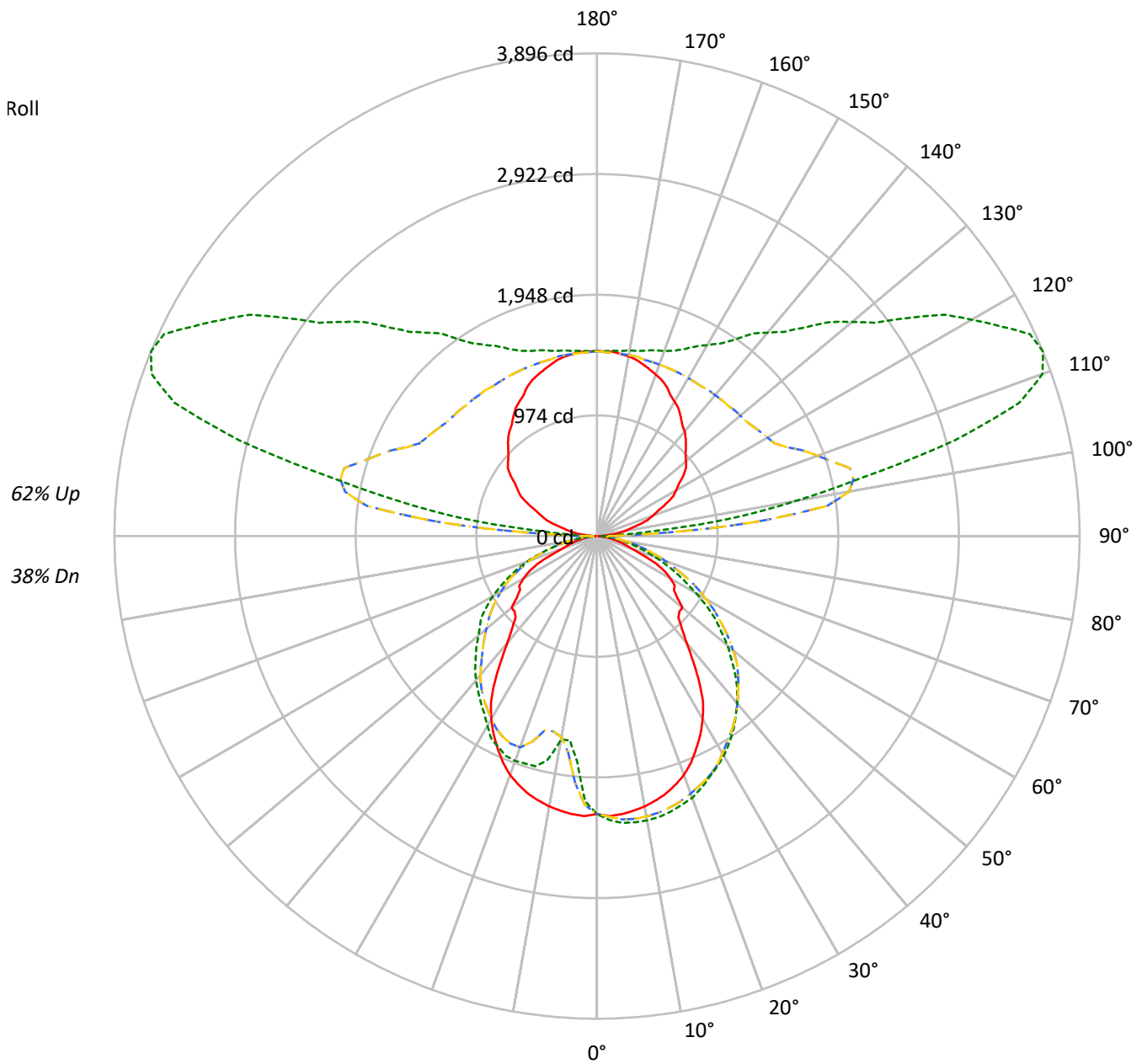
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15496.3 lumens
Efficiency: N/A
Efficacy: 107.0 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): 144.8
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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10484	10504	10484	8260
10°	10413	10347	10413	7398
15°	10300	10123	10300	8453
20°	10085	9858	10085	8471
25°	9644	9470	9644	8291
30°	9074	9148	9074	7897
35°	8089	8742	8089	7464
40°	6741	8263	6741	7137
45°	6023	7702	6023	6760
50°	6399	7034	6399	6383
55°	6021	6314	6021	6165
60°	6206	5362	6206	5646
65°	5626	4433	5626	4955
70°	3895	3533	3895	4153
75°	3417	2612	3417	3127
80°	2752	1727	2752	1880
85°	1584	915	1584	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	1.3
10°-20°	574.8	3.7
20°-30°	888.6	5.7
30°-40°	1060.8	6.8
40°-50°	1067.0	6.9
50°-60°	928.4	6.0
60°-70°	658.3	4.2
70°-80°	348.3	2.2
80°-90°	92.4	0.6
90°-100°	727.5	4.7
100°-110°	1912.7	12.3
110°-120°	1983.2	12.8
120°-130°	1590.8	10.3
130°-140°	1248.2	8.1
140°-150°	958.1	6.2
150°-160°	690.0	4.5
160°-170°	422.2	2.7
170°-180°	142.6	0.9
0°-30°	1665.9	10.8
0°-40°	2726.7	17.6
0°-60°	4722.1	30.5
0°-90°	5821.0	37.6
90°-120°	4623.4	29.8
90°-150°	8420.5	54.3
90°-180°	9675.0	62.4
0°-180°	15496.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2243	2243	2243	2243	2243	
5°	2254	2324	2254	1827	2254	214
15°	2152	2302	2152	1922	2152	605
25°	1895	2147	1895	1880	1895	870
35°	1441	1916	1441	1636	1441	891
45°	929	1579	929	1386	929	744
55°	758	1165	758	1137	758	696
65°	526	702	526	785	526	503
75°	200	333	200	399	200	210
85°	34	85	34	72	34	46
90°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	2995	345	2995	345	365
115°	612	3856	612	3856	612	604
125°	851	3071	851	3071	851	756
135°	1015	2383	1015	2383	1015	785
145°	1177	1933	1177	1933	1177	737
155°	1330	1665	1330	1665	1330	611
165°	1435	1551	1435	1551	1435	405
175°	1492	1502	1492	1502	1492	142
180°	1492	1492	1492	1492	1492	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2262.0	2262.0	2274.7	2278.9	2278.9	2272.6	2266.2	2272.6	2291.7	2298.0	2295.9
5°	2253.5	2270.4	2293.8	2298.0	2302.3	2300.1	2295.9	2300.1	2321.4	2325.6	2327.7
7.5°	2236.5	2268.3	2298.0	2304.4	2310.8	2304.4	2302.3	2306.5	2327.7	2332.0	2332.0
10°	2215.2	2259.8	2293.8	2298.0	2304.4	2298.0	2298.0	2306.5	2327.7	2332.0	2334.1
12.5°	2185.5	2247.1	2278.9	2283.2	2291.7	2289.5	2287.4	2295.9	2317.1	2321.4	2321.4
15°	2151.6	2223.7	2253.5	2257.7	2272.6	2268.3	2268.3	2276.8	2300.1	2306.5	2304.4
17.5°	2104.9	2194.0	2228.0	2234.3	2244.9	2242.9	2244.9	2253.5	2274.7	2278.9	2281.1
20°	2051.9	2153.7	2194.0	2200.4	2211.1	2211.1	2211.1	2221.7	2242.9	2251.4	2251.4
22.5°	1979.7	2111.3	2153.7	2158.0	2170.7	2170.7	2174.9	2189.8	2208.9	2211.1	2211.1
25°	1894.8	2064.6	2100.6	2113.4	2126.2	2132.5	2138.9	2147.4	2153.7	2151.6	2153.7
27.5°	1805.7	2005.2	2051.9	2060.3	2077.4	2083.7	2092.2	2094.3	2096.5	2102.8	2098.6
30°	1706.0	1922.5	1992.5	2001.0	2028.5	2032.8	2024.3	2028.5	2039.1	2043.4	2047.6
32.5°	1593.6	1799.4	1931.0	1950.0	1975.5	1962.8	1960.6	1967.0	1984.0	1984.0	1988.2
35°	1440.7	1703.9	1873.6	1890.6	1909.7	1894.8	1903.4	1905.4	1916.1	1922.5	1920.3
37.5°	1273.2	1621.1	1814.2	1827.0	1841.8	1822.7	1835.4	1841.8	1850.3	1846.1	1846.1
40°	1124.6	1491.7	1744.2	1752.7	1765.4	1750.5	1763.3	1767.6	1771.8	1767.6	1765.4
42.5°	1014.3	1349.5	1669.9	1680.5	1672.1	1682.7	1686.9	1695.4	1689.0	1680.5	1680.5
45°	929.4	1311.3	1589.3	1602.1	1589.3	1606.3	1612.7	1612.7	1593.6	1589.3	1587.2
47.5°	901.8	1234.9	1508.7	1508.7	1502.3	1523.5	1534.1	1519.3	1500.2	1493.8	1493.8
50°	899.7	1150.1	1398.3	1389.8	1419.5	1445.0	1434.4	1419.5	1404.7	1381.3	1381.3
52.5°	817.0	1046.1	1256.1	1288.0	1334.7	1349.5	1332.6	1317.7	1292.3	1281.7	1273.2
55°	757.6	937.9	1126.8	1190.4	1239.2	1258.3	1226.4	1211.6	1173.4	1167.1	1162.8
57.5°	744.8	780.8	1007.9	1088.5	1148.0	1145.8	1126.8	1099.1	1067.3	1060.9	1058.8
60°	683.3	564.4	880.6	976.0	1037.6	1031.2	1014.3	988.8	959.1	954.8	950.6
62.5°	619.6	409.5	736.3	844.5	931.5	929.4	914.5	876.3	855.1	844.5	836.0
65°	526.2	343.8	524.1	702.4	827.6	831.7	799.9	772.4	749.0	736.3	734.2
67.5°	401.0	280.1	354.4	585.6	727.8	723.6	683.3	670.5	640.8	634.5	621.7
70°	297.0	186.7	246.1	475.3	630.2	619.6	587.8	572.9	545.3	530.5	522.0
72.5°	246.1	150.6	180.4	369.2	530.5	517.8	490.2	473.2	449.8	437.1	428.6
75°	199.5	159.2	138.0	273.7	430.7	422.3	396.8	379.8	360.7	343.8	345.9
77.5°	146.4	148.6	110.3	201.6	341.6	328.9	314.1	292.9	284.3	267.4	267.4
80°	110.3	116.7	82.8	138.0	246.1	246.1	233.4	218.6	203.7	195.2	195.2
82.5°	74.3	74.3	61.5	87.0	167.7	161.2	152.8	148.6	140.0	135.8	135.8
85°	34.0	42.4	38.2	53.1	91.2	95.5	95.5	91.2	89.1	84.9	87.0
87.5°	10.6	19.1	23.4	29.7	46.7	48.8	50.9	50.9	50.9	53.1	53.1
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8	190.3	182.8
95°	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4	646.1	623.1
97.5°	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4	1491.5	1447.9
100°	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2	2094.5	2042.5
102.5°	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4	2609.3	2564.9
105°	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1	3210.4	3186.5
107.5°	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4	3522.9	3528.7
110°	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4	3603.1	3628.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9	3551.9	3590.2
115°	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0	3378.6	3431.7
117.5°	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4	3139.2	3198.1
120°	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9	2978.0	3035.2
122.5°	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7	2816.7	2873.1
125°	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0	2603.3	2655.3
127.5°	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9	2432.0	2475.9
130°	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1	2323.9	2364.4
132.5°	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3	2231.7	2268.0
135°	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5	2101.5	2132.8
137.5°	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7	2005.3	2030.9
140°	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0	1928.2	1952.2
142.5°	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9	1874.1	1894.7
145°	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5	1793.0	1808.6
147.5°	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0	1724.8	1737.8
150°	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0	1685.8	1696.3
152.5°	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3	1654.7	1662.6
155°	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6	1617.7	1622.9
157.5°	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3	1585.7	1589.4
160°	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6	1569.6	1571.7
162.5°	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5	1554.6	1556.6
165°	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2	1531.6	1533.6
167.5°	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8	1521.5	1522.4
170°	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8	1521.5	1521.5
172.5°	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5	1513.5	1512.7
175°	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1	1502.5	1502.5
177.5°	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5	1500.5	1499.6
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2300.1	2293.8	2300.1	2295.9	2298.0	2291.7	2272.6	2266.2	2272.6	2278.9	2278.9
5°	2327.7	2323.5	2327.7	2327.7	2325.6	2321.4	2300.1	2295.9	2300.1	2302.3	2298.0
7.5°	2336.2	2329.8	2336.2	2332.0	2332.0	2327.7	2306.5	2302.3	2304.4	2310.8	2304.4
10°	2336.2	2329.8	2336.2	2334.1	2332.0	2327.7	2306.5	2298.0	2298.0	2304.4	2298.0
12.5°	2325.6	2321.4	2325.6	2321.4	2321.4	2317.1	2295.9	2287.4	2289.5	2291.7	2283.2
15°	2308.6	2302.3	2308.6	2304.4	2306.5	2300.1	2276.8	2268.3	2268.3	2272.6	2257.7
17.5°	2283.2	2274.7	2283.2	2281.1	2278.9	2274.7	2253.5	2244.9	2242.9	2244.9	2234.3
20°	2253.5	2247.1	2253.5	2251.4	2251.4	2242.9	2221.7	2211.1	2211.1	2211.1	2200.4
22.5°	2206.8	2200.4	2206.8	2211.1	2211.1	2208.9	2189.8	2174.9	2170.7	2170.7	2158.0
25°	2153.7	2147.4	2153.7	2153.7	2151.6	2153.7	2147.4	2138.9	2132.5	2126.2	2113.4
27.5°	2102.8	2098.6	2102.8	2098.6	2102.8	2096.5	2094.3	2092.2	2083.7	2077.4	2060.3
30°	2051.9	2047.6	2051.9	2047.6	2043.4	2039.1	2028.5	2024.3	2032.8	2028.5	2001.0
32.5°	1988.2	1984.0	1988.2	1988.2	1984.0	1984.0	1967.0	1960.6	1962.8	1975.5	1950.0
35°	1922.5	1916.1	1922.5	1920.3	1922.5	1916.1	1905.4	1903.4	1894.8	1909.7	1890.6
37.5°	1846.1	1839.7	1846.1	1846.1	1846.1	1850.3	1841.8	1835.4	1822.7	1841.8	1827.0
40°	1767.6	1759.1	1767.6	1765.4	1767.6	1771.8	1767.6	1763.3	1750.5	1765.4	1752.7
42.5°	1678.4	1676.3	1678.4	1680.5	1680.5	1689.0	1695.4	1686.9	1682.7	1672.1	1680.5
45°	1583.0	1578.7	1583.0	1587.2	1589.3	1593.6	1612.7	1612.7	1606.3	1589.3	1602.1
47.5°	1481.1	1470.5	1481.1	1493.8	1493.8	1500.2	1519.3	1534.1	1523.5	1502.3	1508.7
50°	1372.9	1375.0	1372.9	1381.3	1381.3	1404.7	1419.5	1434.4	1445.0	1419.5	1389.8
52.5°	1266.8	1264.6	1266.8	1273.2	1281.7	1292.3	1317.7	1332.6	1349.5	1334.7	1288.0
55°	1160.7	1164.9	1160.7	1162.8	1167.1	1173.4	1211.6	1226.4	1258.3	1239.2	1190.4
57.5°	1054.6	1048.2	1054.6	1058.8	1060.9	1067.3	1099.1	1126.8	1145.8	1148.0	1088.5
60°	931.5	923.0	931.5	950.6	954.8	959.1	988.8	1014.3	1031.2	1037.6	976.0
62.5°	823.3	808.5	823.3	836.0	844.5	855.1	876.3	914.5	929.4	931.5	844.5
65°	708.7	702.4	708.7	734.2	736.3	749.0	772.4	799.9	831.7	827.6	702.4
67.5°	604.7	604.7	604.7	621.7	634.5	640.8	670.5	683.3	723.6	727.8	585.6
70°	509.3	507.2	509.3	522.0	530.5	545.3	572.9	587.8	619.6	630.2	475.3
72.5°	418.0	415.9	418.0	428.6	437.1	449.8	473.2	490.2	517.8	530.5	369.2
75°	337.4	333.2	337.4	345.9	343.8	360.7	379.8	396.8	422.3	430.7	273.7
77.5°	258.9	258.9	258.9	267.4	267.4	284.3	292.9	314.1	328.9	341.6	201.6
80°	193.1	191.0	193.1	195.2	195.2	203.7	218.6	233.4	246.1	246.1	138.0
82.5°	135.8	131.5	135.8	135.8	135.8	140.0	148.6	152.8	161.2	167.7	87.0
85°	84.9	84.9	84.9	87.0	84.9	89.1	91.2	95.5	95.5	91.2	53.1
87.5°	55.2	53.1	55.2	53.1	53.1	50.9	50.9	50.9	48.8	46.7	29.7
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4	271.8	193.4
95°	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3	668.7	376.6
97.5°	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4	900.9	413.7
100°	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1	985.4	444.8
102.5°	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0	1024.1	475.8
105°	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6	1052.7	521.9
107.5°	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3	1058.1	590.0
110°	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8	1050.1	628.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1	1050.4	674.1
115°	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6	1060.1	743.3
117.5°	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1	1079.8	810.4
120°	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4	1095.9	849.4
122.5°	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7	1118.9	895.5
125°	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3	1149.9	954.6
127.5°	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7	1181.0	1011.7
130°	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9	1203.7	1049.8
132.5°	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4	1222.1	1080.8
135°	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0	1242.1	1116.9
137.5°	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7	1272.1	1162.9
140°	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1	1290.5	1194.0
142.5°	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3	1305.8	1217.0
145°	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3	1325.9	1252.1
147.5°	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1	1355.3	1296.2
150°	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1	1370.6	1319.2
152.5°	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5	1380.7	1334.3
155°	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8	1402.7	1367.3
157.5°	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2	1424.7	1400.4
160°	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5	1434.7	1415.4
162.5°	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1	1445.4	1431.4
165°	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2	1460.7	1454.4
167.5°	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9	1472.8	1467.5
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2	1482.8	1482.5
172.5°	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5	1489.5	1492.5
177.5°	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0	1490.1	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2274.7	2262.0	2262.0	2240.8	2232.3	2225.9	2215.2	2183.4	2174.9	2166.5	2179.2
5°	2293.8	2270.4	2253.5	2215.2	2183.4	2170.7	2130.4	2054.0	2003.1	1964.9	1943.7
7.5°	2298.0	2268.3	2236.5	2177.1	2100.6	2066.8	1943.7	1803.6	1765.4	1731.5	1710.2
10°	2293.8	2259.8	2215.2	2126.2	1945.7	1886.4	1763.3	1672.1	1648.7	1642.4	1648.7
12.5°	2278.9	2247.1	2185.5	2037.1	1784.5	1744.2	1672.1	1619.0	1614.8	1625.4	1682.7
15°	2253.5	2223.7	2151.6	1918.2	1695.4	1665.7	1614.8	1595.6	1619.0	1693.3	1865.1
17.5°	2228.0	2194.0	2104.9	1801.5	1627.5	1606.3	1570.2	1608.4	1739.9	1839.7	1897.0
20°	2194.0	2153.7	2051.9	1716.7	1578.7	1559.6	1542.6	1714.5	1814.2	1850.3	1882.2
22.5°	2153.7	2111.3	1979.7	1657.2	1527.8	1512.9	1523.5	1773.9	1814.2	1839.7	1867.3
25°	2100.6	2064.6	1894.8	1610.5	1487.5	1470.5	1510.8	1767.6	1790.9	1797.3	1852.4
27.5°	2051.9	2005.2	1805.7	1568.1	1438.7	1432.3	1521.4	1739.9	1757.0	1763.3	1822.7
30°	1992.5	1922.5	1706.0	1523.5	1387.7	1385.6	1523.5	1706.0	1701.8	1718.7	1778.2
32.5°	1931.0	1799.4	1593.6	1468.4	1338.9	1336.8	1508.7	1655.1	1650.8	1674.2	1718.7
35°	1873.6	1703.9	1440.7	1404.7	1277.4	1279.5	1472.6	1595.6	1597.8	1619.0	1646.6
37.5°	1814.2	1621.1	1273.2	1334.7	1218.0	1218.0	1423.8	1540.5	1536.3	1542.6	1580.8
40°	1744.2	1491.7	1124.6	1243.4	1162.8	1156.4	1364.4	1481.1	1466.2	1464.1	1517.2
42.5°	1669.9	1349.5	1014.3	1122.5	1099.1	1090.6	1292.3	1408.9	1381.3	1387.7	1455.6
45°	1589.3	1311.3	929.4	948.5	1033.4	1027.0	1213.7	1326.2	1307.1	1324.1	1394.1
47.5°	1508.7	1234.9	901.8	787.3	963.4	961.2	1126.8	1245.5	1234.9	1252.0	1326.2
50°	1398.3	1150.1	899.7	674.8	884.8	893.3	1022.8	1167.1	1167.1	1181.9	1260.4
52.5°	1256.1	1046.1	817.0	611.1	793.6	819.1	931.5	1099.1	1103.4	1118.3	1188.3
55°	1126.8	937.9	757.6	562.3	685.4	740.5	842.4	1029.1	1037.6	1052.5	1116.1
57.5°	1007.9	780.8	744.8	505.0	585.6	638.7	763.9	961.2	965.4	978.2	1039.7
60°	880.6	564.4	683.3	443.5	498.7	539.0	691.7	880.6	895.4	903.9	957.0
62.5°	736.3	409.5	619.6	401.0	456.2	464.7	632.4	804.2	823.3	829.7	861.5
65°	524.1	343.8	526.2	365.0	411.6	413.8	568.7	725.7	742.7	753.3	776.6
67.5°	354.4	280.1	401.0	331.0	377.7	379.8	507.2	634.5	657.8	666.2	681.1
70°	246.1	186.7	297.0	294.9	339.5	343.8	441.3	551.7	572.9	579.3	587.8
72.5°	180.4	150.6	246.1	265.2	299.2	303.5	373.5	458.4	479.6	485.9	490.2
75°	138.0	159.2	199.5	231.3	254.6	256.7	305.5	373.5	388.3	392.6	394.7
77.5°	110.3	148.6	146.4	186.7	208.0	203.7	239.8	288.6	301.3	301.3	301.3
80°	82.8	116.7	110.3	133.7	152.8	148.6	171.8	205.8	210.1	214.3	212.2
82.5°	61.5	74.3	74.3	84.9	101.8	97.6	114.6	133.7	133.7	133.7	138.0
85°	38.2	42.4	34.0	44.6	57.3	55.2	63.7	72.1	74.3	74.3	70.0
87.5°	23.4	19.1	10.6	16.9	25.5	25.5	29.7	31.8	29.7	29.7	29.7
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8
95°	345.5	220.8	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4
97.5°	386.2	276.2	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4
100°	419.8	320.1	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2
102.5°	452.5	359.5	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4
105°	502.2	423.3	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1
107.5°	571.6	498.2	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4
110°	611.5	545.2	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.3	595.1	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9
115°	728.6	670.3	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0
117.5°	797.1	744.1	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4
120°	837.0	787.1	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9
122.5°	882.9	832.6	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7
125°	943.1	897.3	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0
127.5°	1000.1	953.8	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9
130°	1037.3	987.4	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1
132.5°	1068.4	1018.5	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3
135°	1105.6	1060.1	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5
137.5°	1151.7	1106.8	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7
140°	1183.6	1142.3	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0
142.5°	1207.5	1169.2	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9
145°	1243.8	1210.4	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5
147.5°	1288.1	1255.6	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0
150°	1311.9	1282.5	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0
152.5°	1328.7	1306.4	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3
155°	1363.2	1346.7	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6
157.5°	1396.3	1380.4	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3
160°	1412.2	1399.8	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6
162.5°	1429.1	1419.7	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5
165°	1452.3	1443.8	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2
167.5°	1466.4	1462.4	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8
170°	1481.5	1477.4	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8
172.5°	1483.2	1482.3	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5
175°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1
177.5°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2164.3	2158.0	2166.5	2143.1	2166.5	2158.0	2164.3	2179.2	2166.5	2174.9	2183.4
5°	1899.1	1888.5	1854.5	1827.0	1854.5	1888.5	1899.1	1943.7	1964.9	2003.1	2054.0
7.5°	1697.5	1689.0	1680.5	1663.6	1680.5	1689.0	1697.5	1710.2	1731.5	1765.4	1803.6
10°	1653.0	1655.1	1667.8	1665.7	1667.8	1655.1	1653.0	1648.7	1642.4	1648.7	1672.1
12.5°	1767.6	1786.7	1856.7	1852.4	1856.7	1786.7	1767.6	1682.7	1625.4	1614.8	1619.0
15°	1899.1	1905.4	1920.3	1922.5	1920.3	1905.4	1899.1	1865.1	1693.3	1619.0	1595.6
17.5°	1911.9	1914.0	1924.6	1924.6	1924.6	1914.0	1911.9	1897.0	1839.7	1739.9	1608.4
20°	1901.3	1905.4	1926.7	1931.0	1926.7	1905.4	1901.3	1882.2	1850.3	1814.2	1714.5
22.5°	1897.0	1905.4	1922.5	1920.3	1922.5	1905.4	1897.0	1867.3	1839.7	1814.2	1773.9
25°	1875.7	1875.7	1877.9	1880.0	1877.9	1875.7	1875.7	1852.4	1797.3	1790.9	1767.6
27.5°	1831.2	1835.4	1848.2	1846.1	1848.2	1835.4	1831.2	1822.7	1763.3	1757.0	1739.9
30°	1790.9	1786.7	1776.0	1767.6	1776.0	1786.7	1790.9	1778.2	1718.7	1701.8	1706.0
32.5°	1723.0	1712.4	1701.8	1695.4	1701.8	1712.4	1723.0	1718.7	1674.2	1650.8	1655.1
35°	1642.4	1644.5	1642.4	1636.0	1642.4	1644.5	1642.4	1646.6	1619.0	1597.8	1595.6
37.5°	1585.0	1589.3	1587.2	1578.7	1587.2	1589.3	1585.0	1580.8	1542.6	1536.3	1540.5
40°	1525.6	1527.8	1525.6	1519.3	1525.6	1527.8	1525.6	1517.2	1464.1	1466.2	1481.1
42.5°	1468.4	1466.2	1459.9	1455.6	1459.9	1466.2	1468.4	1455.6	1387.7	1381.3	1408.9
45°	1402.6	1404.7	1392.0	1385.6	1392.0	1404.7	1402.6	1394.1	1324.1	1307.1	1326.2
47.5°	1336.8	1336.8	1326.2	1319.8	1326.2	1336.8	1336.8	1326.2	1252.0	1234.9	1245.5
50°	1266.8	1264.6	1249.8	1247.7	1249.8	1264.6	1266.8	1260.4	1181.9	1167.1	1167.1
52.5°	1186.1	1186.1	1188.3	1192.5	1188.3	1186.1	1186.1	1188.3	1118.3	1103.4	1099.1
55°	1116.1	1118.3	1133.1	1137.4	1133.1	1118.3	1116.1	1116.1	1052.5	1037.6	1029.1
57.5°	1044.0	1044.0	1054.6	1054.6	1054.6	1044.0	1044.0	1039.7	978.2	965.4	961.2
60°	961.2	965.4	974.0	971.9	974.0	965.4	961.2	957.0	903.9	895.4	880.6
62.5°	874.2	878.5	880.6	876.3	880.6	878.5	874.2	861.5	829.7	823.3	804.2
65°	783.0	787.3	789.3	785.1	789.3	787.3	783.0	776.6	753.3	742.7	725.7
67.5°	689.6	687.5	685.4	693.9	685.4	687.5	689.6	681.1	666.2	657.8	634.5
70°	594.1	594.1	592.0	596.2	592.0	594.1	594.1	587.8	579.3	572.9	551.7
72.5°	492.3	490.2	498.7	492.3	498.7	490.2	492.3	490.2	485.9	479.6	458.4
75°	392.6	396.8	392.6	398.9	392.6	396.8	392.6	394.7	392.6	388.3	373.5
77.5°	299.2	303.5	299.2	299.2	299.2	303.5	299.2	301.3	301.3	301.3	288.6
80°	212.2	210.1	210.1	208.0	210.1	210.1	212.2	212.2	214.3	210.1	205.8
82.5°	135.8	133.7	133.7	138.0	133.7	133.7	135.8	138.0	133.7	133.7	133.7
85°	74.3	76.4	72.1	72.1	72.1	76.4	74.3	70.0	74.3	74.3	72.1
87.5°	27.6	25.5	25.5	25.5	25.5	25.5	27.6	29.7	29.7	29.7	31.8
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.3	182.8	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4
95°	646.1	623.1	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3
97.5°	1491.5	1447.9	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4
100°	2094.5	2042.5	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1
102.5°	2609.3	2564.9	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0
105°	3210.4	3186.5	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6
107.5°	3522.9	3528.7	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3
110°	3603.1	3628.0	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3551.9	3590.2	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1
115°	3378.6	3431.7	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6
117.5°	3139.2	3198.1	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1
120°	2978.0	3035.2	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4
122.5°	2816.7	2873.1	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7
125°	2603.3	2655.3	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3
127.5°	2432.0	2475.9	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7
130°	2323.9	2364.4	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9
132.5°	2231.7	2268.0	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4
135°	2101.5	2132.8	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0
137.5°	2005.3	2030.9	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7
140°	1928.2	1952.2	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1
142.5°	1874.1	1894.7	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3
145°	1793.0	1808.6	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3
147.5°	1724.8	1737.8	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1
150°	1685.8	1696.3	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1
152.5°	1654.7	1662.6	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5
155°	1617.7	1622.9	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8
157.5°	1585.7	1589.4	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2
160°	1569.6	1571.7	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5
162.5°	1554.6	1556.6	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1
165°	1531.6	1533.6	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2
167.5°	1521.5	1522.4	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2
172.5°	1513.5	1512.7	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5
177.5°	1500.5	1499.6	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2215.2	2225.9	2232.3	2240.8	2262.0
5°	2130.4	2170.7	2183.4	2215.2	2253.5
7.5°	1943.7	2066.8	2100.6	2177.1	2236.5
10°	1763.3	1886.4	1945.7	2126.2	2215.2
12.5°	1672.1	1744.2	1784.5	2037.1	2185.5
15°	1614.8	1665.7	1695.4	1918.2	2151.6
17.5°	1570.2	1606.3	1627.5	1801.5	2104.9
20°	1542.6	1559.6	1578.7	1716.7	2051.9
22.5°	1523.5	1512.9	1527.8	1657.2	1979.7
25°	1510.8	1470.5	1487.5	1610.5	1894.8
27.5°	1521.4	1432.3	1438.7	1568.1	1805.7
30°	1523.5	1385.6	1387.7	1523.5	1706.0
32.5°	1508.7	1336.8	1338.9	1468.4	1593.6
35°	1472.6	1279.5	1277.4	1404.7	1440.7
37.5°	1423.8	1218.0	1218.0	1334.7	1273.2
40°	1364.4	1156.4	1162.8	1243.4	1124.6
42.5°	1292.3	1090.6	1099.1	1122.5	1014.3
45°	1213.7	1027.0	1033.4	948.5	929.4
47.5°	1126.8	961.2	963.4	787.3	901.8
50°	1022.8	893.3	884.8	674.8	899.7
52.5°	931.5	819.1	793.6	611.1	817.0
55°	842.4	740.5	685.4	562.3	757.6
57.5°	763.9	638.7	585.6	505.0	744.8
60°	691.7	539.0	498.7	443.5	683.3
62.5°	632.4	464.7	456.2	401.0	619.6
65°	568.7	413.8	411.6	365.0	526.2
67.5°	507.2	379.8	377.7	331.0	401.0
70°	441.3	343.8	339.5	294.9	297.0
72.5°	373.5	303.5	299.2	265.2	246.1
75°	305.5	256.7	254.6	231.3	199.5
77.5°	239.8	203.7	208.0	186.7	146.4
80°	171.8	148.6	152.8	133.7	110.3
82.5°	114.6	97.6	101.8	84.9	74.3
85°	63.7	55.2	57.3	44.6	34.0
87.5°	29.7	25.5	25.5	16.9	10.6
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.8	193.4	176.3	108.2	40.1
95°	668.7	376.6	345.5	220.8	96.2
97.5°	900.9	413.7	386.2	276.2	166.3
100°	985.4	444.8	419.8	320.1	220.3
102.5°	1024.1	475.8	452.5	359.5	266.4
105°	1052.7	521.9	502.2	423.3	344.6
107.5°	1058.1	590.0	571.6	498.2	424.7
110°	1050.1	628.0	611.5	545.2	478.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.4	674.1	658.3	595.1	531.9
115°	1060.1	743.3	728.6	670.3	612.0
117.5°	1079.8	810.4	797.1	744.1	691.1
120°	1095.9	849.4	837.0	787.1	737.2
122.5°	1118.9	895.5	882.9	832.6	782.3
125°	1149.9	954.6	943.1	897.3	851.4
127.5°	1181.0	1011.7	1000.1	953.8	907.6
130°	1203.7	1049.8	1037.3	987.4	937.6
132.5°	1222.1	1080.8	1068.4	1018.5	968.7
135°	1242.1	1116.9	1105.6	1060.1	1014.7
137.5°	1272.1	1162.9	1151.7	1106.8	1061.8
140°	1290.5	1194.0	1183.6	1142.3	1100.8
142.5°	1305.8	1217.0	1207.5	1169.2	1130.9
145°	1325.9	1252.1	1243.8	1210.4	1177.0
147.5°	1355.3	1296.2	1288.1	1255.6	1223.0
150°	1370.6	1319.2	1311.9	1282.5	1253.1
152.5°	1380.7	1334.3	1328.7	1306.4	1284.2
155°	1402.7	1367.3	1363.2	1346.7	1330.2
157.5°	1424.7	1400.4	1396.3	1380.4	1364.3
160°	1434.7	1415.4	1412.2	1399.8	1387.3
162.5°	1445.4	1431.4	1429.1	1419.7	1410.4
165°	1460.7	1454.4	1452.3	1443.8	1435.4
167.5°	1472.8	1467.5	1466.4	1462.4	1458.4
170°	1482.8	1482.5	1481.5	1477.4	1473.4
172.5°	1483.5	1483.5	1483.2	1482.3	1481.5
175°	1489.5	1492.5	1492.5	1492.5	1492.5
177.5°	1490.1	1492.5	1492.5	1492.5	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5



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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	11.67	12.43	12.73	13.49	14.93	14.51	15.27	15.57	16.33	17.77
	3H	12.14	12.82	13.21	13.89	15.35	15.85	16.53	16.92	17.60	19.06
	4H	12.33	12.97	13.41	14.04	15.51	16.29	16.94	17.37	18.01	19.47
	6H	12.44	13.04	13.53	14.11	15.59	16.57	17.17	17.66	18.24	19.72
	8H	12.44	13.00	13.53	14.10	15.57	16.65	17.21	17.74	18.30	19.77
	12H	12.41	12.94	13.50	14.03	15.52	16.68	17.22	17.78	18.30	19.80
4H	2H	12.69	13.34	13.78	14.41	15.87	14.91	15.55	15.99	16.62	18.09
	3H	13.71	14.25	14.80	15.35	16.82	16.41	16.94	17.50	18.04	19.52
	4H	13.98	14.48	15.08	15.57	17.06	16.93	17.42	18.03	18.51	20.01
	6H	14.10	14.53	15.21	15.64	17.13	17.29	17.72	18.40	18.83	20.32
	8H	14.11	14.50	15.21	15.61	17.11	17.40	17.79	18.50	18.90	20.40
	12H	14.07	14.43	15.19	15.54	17.05	17.45	17.81	18.57	18.92	20.44
8H	4H	14.43	14.83	15.54	15.93	17.44	17.05	17.44	18.15	18.55	20.05
	6H	14.69	15.01	15.82	16.16	17.66	17.48	17.81	18.61	18.95	20.46
	8H	14.73	15.02	15.86	16.14	17.67	17.63	17.92	18.77	19.05	20.57
	12H	14.71	14.96	15.85	16.08	17.64	17.73	17.98	18.87	19.10	20.66
12H	4H	14.43	14.79	15.55	15.91	17.42	17.01	17.36	18.13	18.48	19.99
	6H	14.75	15.03	15.88	16.16	17.68	17.48	17.76	18.61	18.89	20.41
	8H	14.81	15.06	15.95	16.18	17.74	17.64	17.89	18.77	19.01	20.57