

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: P936120

Luminaire Tested: SQ4-FA-150U-125D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936120
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

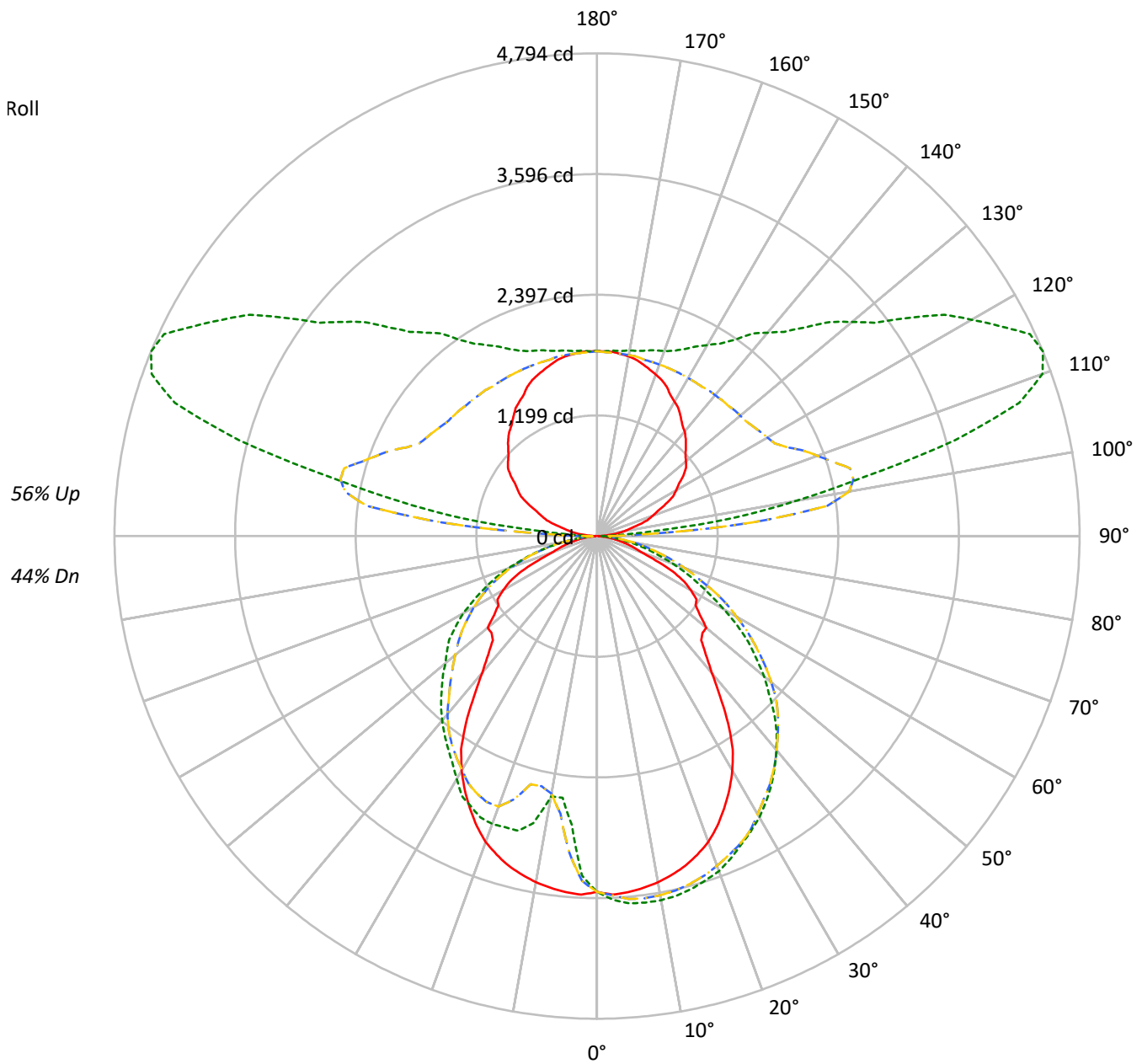
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21075.0 lumens
Efficiency: N/A
Efficacy: 126.7 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: General Diffuse

Input Watts (W): 166.4
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				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16398	16398	16398	16398
5°	16520	16553	16520	13015
10°	16410	16305	16410	11657
15°	16231	15952	16231	13320
20°	15892	15533	15892	13348
25°	15197	14923	15197	13065
30°	14299	14416	14299	12444
35°	12747	13775	12747	11762
40°	10622	13021	10622	11246
45°	9491	12137	9491	10653
50°	10083	11084	10083	10058
55°	9486	9949	9486	9713
60°	9778	8450	9778	8897
65°	8866	6985	8866	7808
70°	6139	5566	6139	6545
75°	5383	4114	5383	4927
80°	4339	2720	4339	2962
85°	2492	1441	2492	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	1.5
10°-20°	905.8	4.3
20°-30°	1400.2	6.6
30°-40°	1671.6	7.9
40°-50°	1681.4	8.0
50°-60°	1463.0	6.9
60°-70°	1037.3	4.9
70°-80°	548.8	2.6
80°-90°	143.7	0.7
90°-100°	895.1	4.2
100°-110°	2353.4	11.2
110°-120°	2440.2	11.6
120°-130°	1957.3	9.3
130°-140°	1535.8	7.3
140°-150°	1178.8	5.6
150°-160°	848.9	4.0
160°-170°	519.4	2.5
170°-180°	175.5	0.8
0°-30°	2625.1	12.5
0°-40°	4296.6	20.4
0°-60°	7441.0	35.3
0°-90°	9170.7	43.5
90°-120°	5688.7	27.0
90°-150°	10360.5	49.2
90°-180°	11904.0	56.5
0°-180°	21075.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3534	3534	3534	3534	3534	
5°	3551	3661	3551	2879	3551	337
15°	3390	3628	3390	3029	3390	954
25°	2986	3384	2986	2962	2986	1371
35°	2270	3019	2270	2578	2270	1405
45°	1464	2488	1464	2183	1464	1173
55°	1194	1836	1194	1792	1194	1097
65°	829	1107	829	1237	829	792
75°	314	525	314	629	314	330
85°	54	134	54	114	54	72
90°	12	47	12	47	12	12
95°	118	541	118	541	118	131
105°	424	3685	424	3685	424	449
115°	753	4745	753	4745	753	744
125°	1048	3779	1048	3779	1048	930
135°	1248	2932	1248	2932	1248	966
145°	1448	2379	1448	2379	1448	907
155°	1637	2048	1637	2048	1637	752
165°	1766	1908	1766	1908	1766	498
175°	1836	1849	1836	1849	1836	174
180°	1836	1836	1836	1836	1836	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3564.3	3564.3	3584.4	3591.1	3591.1	3581.1	3571.0	3581.1	3611.1	3621.2	3617.9
5°	3551.0	3577.7	3614.5	3621.2	3627.8	3624.6	3617.9	3624.6	3658.0	3664.7	3668.0
7.5°	3524.2	3574.4	3621.2	3631.2	3641.3	3631.2	3627.8	3634.6	3668.0	3674.7	3674.7
10°	3490.8	3561.0	3614.5	3621.2	3631.2	3621.2	3621.2	3634.6	3668.0	3674.7	3678.0
12.5°	3444.0	3540.9	3591.1	3597.8	3611.1	3607.8	3604.5	3617.9	3651.3	3658.0	3658.0
15°	3390.5	3504.1	3551.0	3557.7	3581.1	3574.4	3574.4	3587.7	3624.6	3634.6	3631.2
17.5°	3316.9	3457.3	3510.9	3520.8	3537.6	3534.3	3537.6	3551.0	3584.4	3591.1	3594.4
20°	3233.3	3393.8	3457.3	3467.4	3484.1	3484.1	3484.1	3500.8	3534.3	3547.6	3547.6
22.5°	3119.6	3327.0	3393.8	3400.5	3420.6	3420.6	3427.3	3450.7	3480.7	3484.1	3484.1
25°	2985.9	3253.4	3310.2	3330.3	3350.3	3360.4	3370.5	3383.8	3393.8	3390.5	3393.8
27.5°	2845.4	3159.7	3233.3	3246.7	3273.4	3283.5	3296.9	3300.2	3303.6	3313.6	3306.8
30°	2688.3	3029.4	3139.7	3153.1	3196.6	3203.2	3189.9	3196.6	3213.3	3220.0	3226.6
32.5°	2511.1	2835.5	3042.7	3072.9	3113.0	3092.9	3089.6	3099.6	3126.3	3126.3	3133.0
35°	2270.3	2685.0	2952.4	2979.2	3009.3	2985.9	2999.3	3002.6	3019.3	3029.4	3026.0
37.5°	2006.2	2554.6	2858.9	2878.9	2902.3	2872.2	2892.3	2902.3	2915.7	2909.0	2909.0
40°	1772.2	2350.6	2748.5	2761.9	2781.9	2758.5	2778.6	2785.3	2792.0	2785.3	2781.9
42.5°	1598.3	2126.6	2631.4	2648.1	2634.8	2651.5	2658.2	2671.6	2661.6	2648.1	2648.1
45°	1464.5	2066.4	2504.4	2524.4	2504.4	2531.2	2541.2	2541.2	2511.1	2504.4	2501.0
47.5°	1421.0	1946.0	2377.3	2377.3	2367.3	2400.7	2417.4	2394.0	2364.0	2353.9	2353.9
50°	1417.7	1812.3	2203.4	2190.1	2236.9	2277.0	2260.3	2236.9	2213.5	2176.8	2176.8
52.5°	1287.3	1648.4	1979.5	2029.6	2103.2	2126.6	2099.8	2076.4	2036.3	2019.6	2006.2
55°	1193.7	1477.9	1775.5	1875.8	1952.7	1982.8	1932.6	1909.2	1849.0	1839.1	1832.3
57.5°	1173.6	1230.5	1588.2	1715.3	1808.9	1805.6	1775.5	1732.1	1681.9	1671.8	1668.5
60°	1076.6	889.4	1387.6	1538.1	1635.0	1625.1	1598.3	1558.2	1511.3	1504.6	1498.0
62.5°	976.3	645.4	1160.2	1330.7	1467.9	1464.5	1441.1	1380.9	1347.5	1330.7	1317.4
65°	829.2	541.7	825.9	1106.8	1304.1	1310.7	1260.6	1217.1	1180.3	1160.2	1156.9
67.5°	631.9	441.3	558.4	922.9	1146.9	1140.2	1076.6	1056.6	1009.8	999.8	979.7
70°	468.1	294.2	387.9	749.0	993.0	976.3	926.2	902.8	859.4	835.9	822.5
72.5°	387.9	237.4	284.2	581.8	835.9	815.9	772.4	745.6	708.9	688.8	675.4
75°	314.3	250.8	217.4	431.4	678.8	665.4	625.3	598.5	568.4	541.7	545.0
77.5°	230.7	234.1	173.9	317.6	538.4	518.3	494.9	461.4	448.1	421.3	421.3
80°	173.9	183.9	130.4	217.4	387.9	387.9	367.8	344.4	321.0	307.7	307.7
82.5°	117.0	117.0	96.9	137.1	264.2	254.1	240.8	234.1	220.7	214.0	214.0
85°	53.5	66.9	60.2	83.6	143.8	150.5	150.5	143.8	140.4	133.8	137.1
87.5°	16.7	30.1	36.8	46.8	73.6	76.9	80.2	80.2	80.2	83.6	83.6
90°	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4	46.8	46.8
92.5°	49.3	133.1	217.0	237.9	334.4	463.2	527.5	462.3	332.0	234.2	224.9
95°	118.4	271.7	425.0	463.4	822.8	1302.1	1541.8	1375.8	1043.9	794.9	766.7
97.5°	204.6	339.9	475.2	509.0	1108.4	1907.6	2307.2	2202.3	1992.5	1835.1	1781.5
100°	271.1	393.8	516.5	547.3	1212.4	2099.1	2542.5	2550.2	2565.5	2577.0	2513.1
102.5°	327.8	442.3	556.7	585.4	1260.0	2159.4	2609.1	2742.8	3010.0	3210.5	3155.8
105°	424.0	520.9	617.9	642.1	1295.3	2166.2	2601.7	2901.4	3500.6	3950.0	3920.6
107.5°	522.6	613.0	703.3	725.9	1301.9	2069.9	2453.8	2871.7	3707.7	4334.6	4341.7
110°	589.1	670.8	752.4	772.7	1292.0	1984.4	2330.6	2797.8	3732.3	4433.2	4463.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	654.5	732.2	810.0	829.4	1292.4	1909.7	2218.4	2696.5	3652.9	4370.2	4417.3
115°	753.1	824.8	896.5	914.5	1304.4	1824.1	2084.1	2544.7	3466.0	4157.0	4222.3
117.5°	850.4	915.6	980.8	997.1	1328.6	1770.6	1991.6	2407.4	3238.9	3862.5	3934.9
120°	907.1	968.4	1029.8	1045.1	1348.3	1752.5	1954.7	2334.5	3094.3	3664.1	3734.4
122.5°	962.5	1024.5	1086.3	1101.8	1376.7	1743.1	1926.3	2268.3	2952.5	3465.6	3535.1
125°	1047.6	1104.0	1160.4	1174.5	1414.8	1735.2	1895.5	2186.0	2767.2	3203.1	3267.0
127.5°	1116.6	1173.5	1230.6	1244.8	1453.1	1730.8	1869.6	2119.1	2618.1	2992.4	3046.3
130°	1153.6	1214.9	1276.3	1291.6	1481.0	1733.4	1859.7	2081.8	2526.1	2859.3	2909.2
132.5°	1191.8	1253.2	1314.5	1329.8	1503.6	1735.3	1851.1	2049.9	2447.6	2745.8	2790.5
135°	1248.4	1304.4	1360.3	1374.2	1528.2	1733.6	1836.3	2002.9	2335.9	2585.7	2624.1
137.5°	1306.4	1361.8	1417.0	1430.8	1565.2	1744.3	1833.9	1974.7	2256.2	2467.3	2498.8
140°	1354.4	1405.4	1456.3	1469.1	1587.8	1746.1	1825.2	1946.9	2190.1	2372.5	2401.9
142.5°	1391.4	1438.5	1485.7	1497.4	1606.7	1752.4	1825.2	1932.0	2145.6	2305.9	2331.2
145°	1448.1	1489.2	1530.3	1540.6	1631.4	1752.4	1812.9	1900.2	2075.0	2206.1	2225.3
147.5°	1504.8	1544.8	1584.9	1594.8	1667.5	1764.5	1812.9	1881.6	2019.1	2122.2	2138.1
150°	1541.8	1577.9	1614.1	1623.1	1686.3	1770.7	1812.9	1871.0	1987.1	2074.2	2087.1
152.5°	1580.0	1607.4	1634.8	1641.7	1698.8	1774.8	1812.9	1862.5	1961.6	2036.0	2045.7
155°	1636.7	1657.0	1677.2	1682.3	1725.8	1783.8	1812.9	1852.3	1931.2	1990.4	1996.8
157.5°	1678.6	1698.4	1718.0	1723.0	1752.9	1792.9	1812.9	1843.6	1905.0	1951.0	1955.5
160°	1707.0	1722.3	1737.6	1741.4	1765.3	1797.0	1812.9	1839.2	1891.8	1931.2	1933.8
162.5°	1735.3	1746.8	1758.3	1761.2	1778.4	1801.4	1812.9	1835.1	1879.5	1912.8	1915.2
165°	1766.0	1776.4	1786.9	1789.5	1797.3	1807.6	1812.9	1828.8	1860.6	1884.4	1887.0
167.5°	1794.4	1799.3	1804.3	1805.6	1812.1	1820.9	1825.2	1835.6	1856.5	1872.1	1873.1
170°	1812.9	1817.8	1822.8	1824.0	1824.4	1824.9	1825.2	1835.6	1856.5	1872.1	1872.1
172.5°	1822.8	1823.8	1824.9	1825.2	1825.2	1825.2	1825.2	1833.4	1849.8	1862.2	1861.2
175°	1836.3	1836.3	1836.3	1836.3	1832.6	1827.7	1825.2	1830.5	1840.8	1848.6	1848.6
177.5°	1836.3	1836.3	1836.3	1836.3	1833.4	1829.6	1827.7	1831.9	1840.1	1846.2	1845.1
180°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3624.6	3614.5	3624.6	3617.9	3621.2	3611.1	3581.1	3571.0	3581.1	3591.1	3591.1
5°	3668.0	3661.3	3668.0	3668.0	3664.7	3658.0	3624.6	3617.9	3624.6	3627.8	3621.2
7.5°	3681.4	3671.3	3681.4	3674.7	3674.7	3668.0	3634.6	3627.8	3631.2	3641.3	3631.2
10°	3681.4	3671.3	3681.4	3678.0	3674.7	3668.0	3634.6	3621.2	3621.2	3631.2	3621.2
12.5°	3664.7	3658.0	3664.7	3658.0	3658.0	3651.3	3617.9	3604.5	3607.8	3611.1	3597.8
15°	3637.9	3627.8	3637.9	3631.2	3634.6	3624.6	3587.7	3574.4	3574.4	3581.1	3557.7
17.5°	3597.8	3584.4	3597.8	3594.4	3591.1	3584.4	3551.0	3537.6	3534.3	3537.6	3520.8
20°	3551.0	3540.9	3551.0	3547.6	3547.6	3534.3	3500.8	3484.1	3484.1	3484.1	3467.4
22.5°	3477.4	3467.4	3477.4	3484.1	3484.1	3480.7	3450.7	3427.3	3420.6	3420.6	3400.5
25°	3393.8	3383.8	3393.8	3393.8	3390.5	3393.8	3383.8	3370.5	3360.4	3350.3	3330.3
27.5°	3313.6	3306.8	3313.6	3306.8	3313.6	3303.6	3300.2	3296.9	3283.5	3273.4	3246.7
30°	3233.3	3226.6	3233.3	3226.6	3220.0	3213.3	3196.6	3189.9	3203.2	3196.6	3153.1
32.5°	3133.0	3126.3	3133.0	3133.0	3126.3	3126.3	3099.6	3089.6	3092.9	3113.0	3072.9
35°	3029.4	3019.3	3029.4	3026.0	3029.4	3019.3	3002.6	2999.3	2985.9	3009.3	2979.2
37.5°	2909.0	2899.0	2909.0	2909.0	2909.0	2915.7	2902.3	2892.3	2872.2	2902.3	2878.9
40°	2785.3	2771.9	2785.3	2781.9	2785.3	2792.0	2785.3	2778.6	2758.5	2781.9	2761.9
42.5°	2644.9	2641.5	2644.9	2648.1	2648.1	2661.6	2671.6	2658.2	2651.5	2634.8	2648.1
45°	2494.4	2487.7	2494.4	2501.0	2504.4	2511.1	2541.2	2541.2	2531.2	2504.4	2524.4
47.5°	2333.9	2317.2	2333.9	2353.9	2353.9	2364.0	2394.0	2417.4	2400.7	2367.3	2377.3
50°	2163.3	2166.7	2163.3	2176.8	2176.8	2213.5	2236.9	2260.3	2277.0	2236.9	2190.1
52.5°	1996.2	1992.8	1996.2	2006.2	2019.6	2036.3	2076.4	2099.8	2126.6	2103.2	2029.6
55°	1829.0	1835.7	1829.0	1832.3	1839.1	1849.0	1909.2	1932.6	1982.8	1952.7	1875.8
57.5°	1661.8	1651.7	1661.8	1668.5	1671.8	1681.9	1732.1	1775.5	1805.6	1808.9	1715.3
60°	1467.9	1454.5	1467.9	1498.0	1504.6	1511.3	1558.2	1598.3	1625.1	1635.0	1538.1
62.5°	1297.3	1273.9	1297.3	1317.4	1330.7	1347.5	1380.9	1441.1	1464.5	1467.9	1330.7
65°	1116.7	1106.8	1116.7	1156.9	1160.2	1180.3	1217.1	1260.6	1310.7	1304.1	1106.8
67.5°	952.9	952.9	952.9	979.7	999.8	1009.8	1056.6	1076.6	1140.2	1146.9	922.9
70°	802.5	799.1	802.5	822.5	835.9	859.4	902.8	926.2	976.3	993.0	749.0
72.5°	658.7	655.3	658.7	675.4	688.8	708.9	745.6	772.4	815.9	835.9	581.8
75°	531.6	524.9	531.6	545.0	541.7	568.4	598.5	625.3	665.4	678.8	431.4
77.5°	407.9	407.9	407.9	421.3	421.3	448.1	461.4	494.9	518.3	538.4	317.6
80°	304.3	300.9	304.3	307.7	307.7	321.0	344.4	367.8	387.9	387.9	217.4
82.5°	214.0	207.3	214.0	214.0	214.0	220.7	234.1	240.8	254.1	264.2	137.1
85°	133.8	133.8	133.8	137.1	133.8	140.4	143.8	150.5	150.5	143.8	83.6
87.5°	86.9	83.6	86.9	83.6	83.6	80.2	80.2	80.2	76.9	73.6	46.8
90°	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5	54.2	34.5
92.5°	187.6	150.4	187.6	224.9	234.2	332.0	462.3	527.5	463.2	334.4	237.9
95°	653.9	541.0	653.9	766.7	794.9	1043.9	1375.8	1541.8	1302.1	822.8	463.4
97.5°	1566.7	1352.0	1566.7	1781.5	1835.1	1992.5	2202.3	2307.2	1907.6	1108.4	509.0
100°	2257.3	2001.5	2257.3	2513.1	2577.0	2565.5	2550.2	2542.5	2099.1	1212.4	547.3
102.5°	2936.6	2717.6	2936.6	3155.8	3210.5	3010.0	2742.8	2609.1	2159.4	1260.0	585.4
105°	3802.8	3685.0	3802.8	3920.6	3950.0	3500.6	2901.4	2601.7	2166.2	1295.3	642.1
107.5°	4370.1	4398.6	4370.1	4341.7	4334.6	3707.7	2871.7	2453.8	2069.9	1301.9	725.9
110°	4586.5	4709.2	4586.5	4463.8	4433.2	3732.3	2797.8	2330.6	1984.4	1292.0	772.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4605.8	4794.2	4605.8	4417.3	4370.2	3652.9	2696.5	2218.4	1909.7	1292.4	829.4
115°	4483.6	4744.9	4483.6	4222.3	4157.0	3466.0	2544.7	2084.1	1824.1	1304.4	914.5
117.5°	4224.7	4514.5	4224.7	3934.9	3862.5	3238.9	2407.4	1991.6	1770.6	1328.6	997.1
120°	4016.0	4297.5	4016.0	3734.4	3664.1	3094.3	2334.5	1954.7	1752.5	1348.3	1045.1
122.5°	3812.8	4090.5	3812.8	3535.1	3465.6	2952.5	2268.3	1926.3	1743.1	1376.7	1101.8
125°	3522.9	3778.7	3522.9	3267.0	3203.1	2767.2	2186.0	1895.5	1735.2	1414.8	1174.5
127.5°	3262.2	3478.0	3262.2	3046.3	2992.4	2618.1	2119.1	1869.6	1730.8	1453.1	1244.8
130°	3108.5	3307.9	3108.5	2909.2	2859.3	2526.1	2081.8	1859.7	1733.4	1481.0	1291.6
132.5°	2969.0	3147.7	2969.0	2790.5	2745.8	2447.6	2049.9	1851.1	1735.3	1503.6	1329.8
135°	2778.1	2932.0	2778.1	2624.1	2585.7	2335.9	2002.9	1836.3	1733.6	1528.2	1374.2
137.5°	2624.8	2750.8	2624.8	2498.8	2467.3	2256.2	1974.7	1833.9	1744.3	1565.2	1430.8
140°	2519.7	2637.5	2519.7	2401.9	2372.5	2190.1	1946.9	1825.2	1746.1	1587.8	1469.1
142.5°	2432.6	2533.9	2432.6	2331.2	2305.9	2145.6	1932.0	1825.2	1752.4	1606.7	1497.4
145°	2301.9	2378.6	2301.9	2225.3	2206.1	2075.0	1900.2	1812.9	1752.4	1631.4	1540.6
147.5°	2201.7	2265.2	2201.7	2138.1	2122.2	2019.1	1881.6	1812.9	1764.5	1667.5	1594.8
150°	2138.6	2190.1	2138.6	2087.1	2074.2	1987.1	1871.0	1812.9	1770.7	1686.3	1623.1
152.5°	2084.6	2123.5	2084.6	2045.7	2036.0	1961.6	1862.5	1812.9	1774.8	1698.8	1641.7
155°	2022.6	2048.3	2022.6	1996.8	1990.4	1931.2	1852.3	1812.9	1783.8	1725.8	1682.3
157.5°	1973.5	1991.6	1973.5	1955.5	1951.0	1905.0	1843.6	1812.9	1792.9	1752.9	1723.0
160°	1944.3	1954.7	1944.3	1933.8	1931.2	1891.8	1839.2	1812.9	1797.0	1765.3	1741.4
162.5°	1925.0	1934.9	1925.0	1915.2	1912.8	1879.5	1835.1	1812.9	1801.4	1778.4	1761.2
165°	1897.5	1907.8	1897.5	1887.0	1884.4	1860.6	1828.8	1812.9	1807.6	1797.3	1789.5
167.5°	1877.6	1881.9	1877.6	1873.1	1872.1	1856.5	1835.6	1825.2	1820.9	1812.1	1805.6
170°	1872.1	1872.1	1872.1	1872.1	1872.1	1856.5	1835.6	1825.2	1824.9	1824.4	1824.0
172.5°	1857.4	1853.6	1857.4	1861.2	1862.2	1849.8	1833.4	1825.2	1825.2	1825.2	1825.2
175°	1848.6	1848.6	1848.6	1848.6	1848.6	1840.8	1830.5	1825.2	1827.7	1832.6	1836.3
177.5°	1840.6	1836.3	1840.6	1845.1	1846.2	1840.1	1831.9	1827.7	1829.6	1833.4	1836.3
180°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3584.4	3564.3	3564.3	3530.9	3517.6	3507.5	3490.8	3440.6	3427.3	3413.8	3434.0
5°	3614.5	3577.7	3551.0	3490.8	3440.6	3420.6	3357.0	3236.7	3156.5	3096.2	3062.8
7.5°	3621.2	3574.4	3524.2	3430.6	3310.2	3256.7	3062.8	2842.1	2781.9	2728.5	2695.0
10°	3614.5	3561.0	3490.8	3350.3	3066.2	2972.5	2778.6	2634.8	2598.0	2588.0	2598.0
12.5°	3591.1	3540.9	3444.0	3209.9	2812.0	2748.5	2634.8	2551.2	2544.5	2561.3	2651.5
15°	3551.0	3504.1	3390.5	3022.7	2671.6	2624.8	2544.5	2514.5	2551.2	2668.3	2939.1
17.5°	3510.9	3457.3	3316.9	2838.8	2564.6	2531.2	2474.3	2534.5	2741.8	2899.0	2989.2
20°	3457.3	3393.8	3233.3	2705.0	2487.7	2457.6	2430.9	2701.7	2858.9	2915.7	2965.9
22.5°	3393.8	3327.0	3119.6	2611.4	2407.5	2384.0	2400.7	2795.3	2858.9	2899.0	2942.5
25°	3310.2	3253.4	2985.9	2537.9	2343.9	2317.2	2380.7	2785.3	2822.0	2832.1	2919.0
27.5°	3233.3	3159.7	2845.4	2471.0	2267.0	2257.0	2397.4	2741.8	2768.6	2778.6	2872.2
30°	3139.7	3029.4	2688.3	2400.7	2186.7	2183.4	2400.7	2688.3	2681.6	2708.4	2802.0
32.5°	3042.7	2835.5	2511.1	2313.8	2109.9	2106.5	2377.3	2608.0	2601.4	2638.2	2708.4
35°	2952.4	2685.0	2270.3	2213.5	2012.9	2016.2	2320.5	2514.5	2517.8	2551.2	2594.7
37.5°	2858.9	2554.6	2006.2	2103.2	1919.3	1919.3	2243.6	2427.5	2420.8	2430.9	2491.0
40°	2748.5	2350.6	1772.2	1959.4	1832.3	1822.3	2150.0	2333.9	2310.4	2307.2	2390.8
42.5°	2631.4	2126.6	1598.3	1768.8	1732.1	1718.6	2036.3	2220.2	2176.8	2186.7	2293.7
45°	2504.4	2066.4	1464.5	1494.6	1628.3	1618.3	1912.6	2089.8	2059.7	2086.5	2196.8
47.5°	2377.3	1946.0	1421.0	1240.5	1518.1	1514.7	1775.5	1962.8	1946.0	1972.7	2089.8
50°	2203.4	1812.3	1417.7	1063.3	1394.3	1407.7	1611.6	1839.1	1839.1	1862.4	1986.2
52.5°	1979.5	1648.4	1287.3	963.0	1250.5	1290.6	1467.9	1732.1	1738.7	1762.1	1872.5
55°	1775.5	1477.9	1193.7	886.0	1080.0	1166.9	1327.5	1621.7	1635.0	1658.5	1758.7
57.5°	1588.2	1230.5	1173.6	795.8	922.9	1006.5	1203.7	1514.7	1521.3	1541.5	1638.4
60°	1387.6	889.4	1076.6	698.8	785.8	849.3	1090.1	1387.6	1411.1	1424.4	1508.0
62.5°	1160.2	645.4	976.3	631.9	718.9	732.3	996.4	1267.2	1297.3	1307.4	1357.5
65°	825.9	541.7	829.2	575.1	648.6	652.0	896.1	1143.5	1170.3	1187.0	1223.7
67.5°	558.4	441.3	631.9	521.6	595.2	598.5	799.1	999.8	1036.5	1049.9	1073.4
70°	387.9	294.2	468.1	464.8	535.0	541.7	695.5	869.3	902.8	912.8	926.2
72.5°	284.2	237.4	387.9	417.9	471.5	478.2	588.5	722.2	755.6	765.7	772.4
75°	217.4	250.8	314.3	364.5	401.2	404.6	481.5	588.5	611.9	618.6	621.9
77.5°	173.9	234.1	230.7	294.2	327.7	321.0	377.8	454.8	474.8	474.8	474.8
80°	130.4	183.9	173.9	210.6	240.8	234.1	270.8	324.4	331.0	337.7	334.3
82.5°	96.9	117.0	117.0	133.8	160.5	153.8	180.6	210.6	210.6	210.6	217.4
85°	60.2	66.9	53.5	70.2	90.3	86.9	100.3	113.7	117.0	117.0	110.4
87.5°	36.8	30.1	16.7	26.8	40.1	40.1	46.8	50.2	46.8	46.8	46.8
90°	32.0	22.2	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4
92.5°	217.0	133.1	49.3	133.1	217.0	237.9	334.4	463.2	527.5	462.3	332.0
95°	425.0	271.7	118.4	271.7	425.0	463.4	822.8	1302.1	1541.8	1375.8	1043.9
97.5°	475.2	339.9	204.6	339.9	475.2	509.0	1108.4	1907.6	2307.2	2202.3	1992.5
100°	516.5	393.8	271.1	393.8	516.5	547.3	1212.4	2099.1	2542.5	2550.2	2565.5
102.5°	556.7	442.3	327.8	442.3	556.7	585.4	1260.0	2159.4	2609.1	2742.8	3010.0
105°	617.9	520.9	424.0	520.9	617.9	642.1	1295.3	2166.2	2601.7	2901.4	3500.6
107.5°	703.3	613.0	522.6	613.0	703.3	725.9	1301.9	2069.9	2453.8	2871.7	3707.7
110°	752.4	670.8	589.1	670.8	752.4	772.7	1292.0	1984.4	2330.6	2797.8	3732.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	810.0	732.2	654.5	732.2	810.0	829.4	1292.4	1909.7	2218.4	2696.5	3652.9
115°	896.5	824.8	753.1	824.8	896.5	914.5	1304.4	1824.1	2084.1	2544.7	3466.0
117.5°	980.8	915.6	850.4	915.6	980.8	997.1	1328.6	1770.6	1991.6	2407.4	3238.9
120°	1029.8	968.4	907.1	968.4	1029.8	1045.1	1348.3	1752.5	1954.7	2334.5	3094.3
122.5°	1086.3	1024.5	962.5	1024.5	1086.3	1101.8	1376.7	1743.1	1926.3	2268.3	2952.5
125°	1160.4	1104.0	1047.6	1104.0	1160.4	1174.5	1414.8	1735.2	1895.5	2186.0	2767.2
127.5°	1230.6	1173.5	1116.6	1173.5	1230.6	1244.8	1453.1	1730.8	1869.6	2119.1	2618.1
130°	1276.3	1214.9	1153.6	1214.9	1276.3	1291.6	1481.0	1733.4	1859.7	2081.8	2526.1
132.5°	1314.5	1253.2	1191.8	1253.2	1314.5	1329.8	1503.6	1735.3	1851.1	2049.9	2447.6
135°	1360.3	1304.4	1248.4	1304.4	1360.3	1374.2	1528.2	1733.6	1836.3	2002.9	2335.9
137.5°	1417.0	1361.8	1306.4	1361.8	1417.0	1430.8	1565.2	1744.3	1833.9	1974.7	2256.2
140°	1456.3	1405.4	1354.4	1405.4	1456.3	1469.1	1587.8	1746.1	1825.2	1946.9	2190.1
142.5°	1485.7	1438.5	1391.4	1438.5	1485.7	1497.4	1606.7	1752.4	1825.2	1932.0	2145.6
145°	1530.3	1489.2	1448.1	1489.2	1530.3	1540.6	1631.4	1752.4	1812.9	1900.2	2075.0
147.5°	1584.9	1544.8	1504.8	1544.8	1584.9	1594.8	1667.5	1764.5	1812.9	1881.6	2019.1
150°	1614.1	1577.9	1541.8	1577.9	1614.1	1623.1	1686.3	1770.7	1812.9	1871.0	1987.1
152.5°	1634.8	1607.4	1580.0	1607.4	1634.8	1641.7	1698.8	1774.8	1812.9	1862.5	1961.6
155°	1677.2	1657.0	1636.7	1657.0	1677.2	1682.3	1725.8	1783.8	1812.9	1852.3	1931.2
157.5°	1718.0	1698.4	1678.6	1698.4	1718.0	1723.0	1752.9	1792.9	1812.9	1843.6	1905.0
160°	1737.6	1722.3	1707.0	1722.3	1737.6	1741.4	1765.3	1797.0	1812.9	1839.2	1891.8
162.5°	1758.3	1746.8	1735.3	1746.8	1758.3	1761.2	1778.4	1801.4	1812.9	1835.1	1879.5
165°	1786.9	1776.4	1766.0	1776.4	1786.9	1789.5	1797.3	1807.6	1812.9	1828.8	1860.6
167.5°	1804.3	1799.3	1794.4	1799.3	1804.3	1805.6	1812.1	1820.9	1825.2	1835.6	1856.5
170°	1822.8	1817.8	1812.9	1817.8	1822.8	1824.0	1824.4	1824.9	1825.2	1835.6	1856.5
172.5°	1824.9	1823.8	1822.8	1823.8	1824.9	1825.2	1825.2	1825.2	1825.2	1833.4	1849.8
175°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1832.6	1827.7	1825.2	1830.5	1840.8
177.5°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1833.4	1829.6	1827.7	1831.9	1840.1
180°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3410.6	3400.5	3413.8	3377.1	3413.8	3400.5	3410.6	3434.0	3413.8	3427.3	3440.6
5°	2992.6	2975.9	2922.4	2878.9	2922.4	2975.9	2992.6	3062.8	3096.2	3156.5	3236.7
7.5°	2674.9	2661.6	2648.1	2621.5	2648.1	2661.6	2674.9	2695.0	2728.5	2781.9	2842.1
10°	2604.8	2608.0	2628.1	2624.8	2628.1	2608.0	2604.8	2598.0	2588.0	2598.0	2634.8
12.5°	2785.3	2815.4	2925.7	2919.0	2925.7	2815.4	2785.3	2651.5	2561.3	2544.5	2551.2
15°	2992.6	3002.6	3026.0	3029.4	3026.0	3002.6	2992.6	2939.1	2668.3	2551.2	2514.5
17.5°	3012.6	3016.0	3032.7	3032.7	3032.7	3016.0	3012.6	2989.2	2899.0	2741.8	2534.5
20°	2995.9	3002.6	3036.0	3042.7	3036.0	3002.6	2995.9	2965.9	2915.7	2858.9	2701.7
22.5°	2989.2	3002.6	3029.4	3026.0	3029.4	3002.6	2989.2	2942.5	2899.0	2858.9	2795.3
25°	2955.8	2955.8	2959.2	2962.5	2959.2	2955.8	2955.8	2919.0	2832.1	2822.0	2785.3
27.5°	2885.6	2892.3	2912.3	2909.0	2912.3	2892.3	2885.6	2872.2	2778.6	2768.6	2741.8
30°	2822.0	2815.4	2798.6	2785.3	2798.6	2815.4	2822.0	2802.0	2708.4	2681.6	2688.3
32.5°	2715.0	2698.3	2681.6	2671.6	2681.6	2698.3	2715.0	2708.4	2638.2	2601.4	2608.0
35°	2588.0	2591.3	2588.0	2578.0	2588.0	2591.3	2588.0	2594.7	2551.2	2517.8	2514.5
37.5°	2497.8	2504.4	2501.0	2487.7	2501.0	2504.4	2497.8	2491.0	2430.9	2420.8	2427.5
40°	2404.1	2407.5	2404.1	2394.0	2404.1	2407.5	2404.1	2390.8	2307.2	2310.4	2333.9
42.5°	2313.8	2310.4	2300.5	2293.7	2300.5	2310.4	2313.8	2293.7	2186.7	2176.8	2220.2
45°	2210.2	2213.5	2193.5	2183.4	2193.5	2213.5	2210.2	2196.8	2086.5	2059.7	2089.8
47.5°	2106.5	2106.5	2089.8	2079.7	2089.8	2106.5	2106.5	2089.8	1972.7	1946.0	1962.8
50°	1996.2	1992.8	1969.4	1966.1	1969.4	1992.8	1996.2	1986.2	1862.4	1839.1	1839.1
52.5°	1869.1	1869.1	1872.5	1879.2	1872.5	1869.1	1869.1	1872.5	1762.1	1738.7	1732.1
55°	1758.7	1762.1	1785.5	1792.2	1785.5	1762.1	1758.7	1758.7	1658.5	1635.0	1621.7
57.5°	1645.1	1645.1	1661.8	1661.8	1661.8	1645.1	1645.1	1638.4	1541.5	1521.3	1514.7
60°	1514.7	1521.3	1534.8	1531.4	1534.8	1521.3	1514.7	1508.0	1424.4	1411.1	1387.6
62.5°	1377.6	1384.3	1387.6	1380.9	1387.6	1384.3	1377.6	1357.5	1307.4	1297.3	1267.2
65°	1233.8	1240.5	1243.9	1237.2	1243.9	1240.5	1233.8	1223.7	1187.0	1170.3	1143.5
67.5°	1086.7	1083.3	1080.0	1093.4	1080.0	1083.3	1086.7	1073.4	1049.9	1036.5	999.8
70°	936.2	936.2	932.9	939.6	932.9	936.2	936.2	926.2	912.8	902.8	869.3
72.5°	775.8	772.4	785.8	775.8	785.8	772.4	775.8	772.4	765.7	755.6	722.2
75°	618.6	625.3	618.6	628.6	618.6	625.3	618.6	621.9	618.6	611.9	588.5
77.5°	471.5	478.2	471.5	471.5	471.5	478.2	471.5	474.8	474.8	474.8	454.8
80°	334.3	331.0	331.0	327.7	331.0	331.0	334.3	334.3	337.7	331.0	324.4
82.5°	214.0	210.6	210.6	217.4	210.6	210.6	214.0	217.4	210.6	210.6	210.6
85°	117.0	120.3	113.7	113.7	113.7	120.3	117.0	110.4	117.0	117.0	113.7
87.5°	43.5	40.1	40.1	40.1	40.1	40.1	43.5	46.8	46.8	46.8	50.2
90°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5
92.5°	234.2	224.9	187.6	150.4	187.6	224.9	234.2	332.0	462.3	527.5	463.2
95°	794.9	766.7	653.9	541.0	653.9	766.7	794.9	1043.9	1375.8	1541.8	1302.1
97.5°	1835.1	1781.5	1566.7	1352.0	1566.7	1781.5	1835.1	1992.5	2202.3	2307.2	1907.6
100°	2577.0	2513.1	2257.3	2001.5	2257.3	2513.1	2577.0	2565.5	2550.2	2542.5	2099.1
102.5°	3210.5	3155.8	2936.6	2717.6	2936.6	3155.8	3210.5	3010.0	2742.8	2609.1	2159.4
105°	3950.0	3920.6	3802.8	3685.0	3802.8	3920.6	3950.0	3500.6	2901.4	2601.7	2166.2
107.5°	4334.6	4341.7	4370.1	4398.6	4370.1	4341.7	4334.6	3707.7	2871.7	2453.8	2069.9
110°	4433.2	4463.8	4586.5	4709.2	4586.5	4463.8	4433.2	3732.3	2797.8	2330.6	1984.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4370.2	4417.3	4605.8	4794.2	4605.8	4417.3	4370.2	3652.9	2696.5	2218.4	1909.7
115°	4157.0	4222.3	4483.6	4744.9	4483.6	4222.3	4157.0	3466.0	2544.7	2084.1	1824.1
117.5°	3862.5	3934.9	4224.7	4514.5	4224.7	3934.9	3862.5	3238.9	2407.4	1991.6	1770.6
120°	3664.1	3734.4	4016.0	4297.5	4016.0	3734.4	3664.1	3094.3	2334.5	1954.7	1752.5
122.5°	3465.6	3535.1	3812.8	4090.5	3812.8	3535.1	3465.6	2952.5	2268.3	1926.3	1743.1
125°	3203.1	3267.0	3522.9	3778.7	3522.9	3267.0	3203.1	2767.2	2186.0	1895.5	1735.2
127.5°	2992.4	3046.3	3262.2	3478.0	3262.2	3046.3	2992.4	2618.1	2119.1	1869.6	1730.8
130°	2859.3	2909.2	3108.5	3307.9	3108.5	2909.2	2859.3	2526.1	2081.8	1859.7	1733.4
132.5°	2745.8	2790.5	2969.0	3147.7	2969.0	2790.5	2745.8	2447.6	2049.9	1851.1	1735.3
135°	2585.7	2624.1	2778.1	2932.0	2778.1	2624.1	2585.7	2335.9	2002.9	1836.3	1733.6
137.5°	2467.3	2498.8	2624.8	2750.8	2624.8	2498.8	2467.3	2256.2	1974.7	1833.9	1744.3
140°	2372.5	2401.9	2519.7	2637.5	2519.7	2401.9	2372.5	2190.1	1946.9	1825.2	1746.1
142.5°	2305.9	2331.2	2432.6	2533.9	2432.6	2331.2	2305.9	2145.6	1932.0	1825.2	1752.4
145°	2206.1	2225.3	2301.9	2378.6	2301.9	2225.3	2206.1	2075.0	1900.2	1812.9	1752.4
147.5°	2122.2	2138.1	2201.7	2265.2	2201.7	2138.1	2122.2	2019.1	1881.6	1812.9	1764.5
150°	2074.2	2087.1	2138.6	2190.1	2138.6	2087.1	2074.2	1987.1	1871.0	1812.9	1770.7
152.5°	2036.0	2045.7	2084.6	2123.5	2084.6	2045.7	2036.0	1961.6	1862.5	1812.9	1774.8
155°	1990.4	1996.8	2022.6	2048.3	2022.6	1996.8	1990.4	1931.2	1852.3	1812.9	1783.8
157.5°	1951.0	1955.5	1973.5	1991.6	1973.5	1955.5	1951.0	1905.0	1843.6	1812.9	1792.9
160°	1931.2	1933.8	1944.3	1954.7	1944.3	1933.8	1931.2	1891.8	1839.2	1812.9	1797.0
162.5°	1912.8	1915.2	1925.0	1934.9	1925.0	1915.2	1912.8	1879.5	1835.1	1812.9	1801.4
165°	1884.4	1887.0	1897.5	1907.8	1897.5	1887.0	1884.4	1860.6	1828.8	1812.9	1807.6
167.5°	1872.1	1873.1	1877.6	1881.9	1877.6	1873.1	1872.1	1856.5	1835.6	1825.2	1820.9
170°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1856.5	1835.6	1825.2	1824.9
172.5°	1862.2	1861.2	1857.4	1853.6	1857.4	1861.2	1862.2	1849.8	1833.4	1825.2	1825.2
175°	1848.6	1848.6	1848.6	1848.6	1848.6	1848.6	1848.6	1840.8	1830.5	1825.2	1827.7
177.5°	1846.2	1845.1	1840.6	1836.3	1840.6	1845.1	1846.2	1840.1	1831.9	1827.7	1829.6
180°	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3	1836.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3490.8	3507.5	3517.6	3530.9	3564.3
5°	3357.0	3420.6	3440.6	3490.8	3551.0
7.5°	3062.8	3256.7	3310.2	3430.6	3524.2
10°	2778.6	2972.5	3066.2	3350.3	3490.8
12.5°	2634.8	2748.5	2812.0	3209.9	3444.0
15°	2544.5	2624.8	2671.6	3022.7	3390.5
17.5°	2474.3	2531.2	2564.6	2838.8	3316.9
20°	2430.9	2457.6	2487.7	2705.0	3233.3
22.5°	2400.7	2384.0	2407.5	2611.4	3119.6
25°	2380.7	2317.2	2343.9	2537.9	2985.9
27.5°	2397.4	2257.0	2267.0	2471.0	2845.4
30°	2400.7	2183.4	2186.7	2400.7	2688.3
32.5°	2377.3	2106.5	2109.9	2313.8	2511.1
35°	2320.5	2016.2	2012.9	2213.5	2270.3
37.5°	2243.6	1919.3	1919.3	2103.2	2006.2
40°	2150.0	1822.3	1832.3	1959.4	1772.2
42.5°	2036.3	1718.6	1732.1	1768.8	1598.3
45°	1912.6	1618.3	1628.3	1494.6	1464.5
47.5°	1775.5	1514.7	1518.1	1240.5	1421.0
50°	1611.6	1407.7	1394.3	1063.3	1417.7
52.5°	1467.9	1290.6	1250.5	963.0	1287.3
55°	1327.5	1166.9	1080.0	886.0	1193.7
57.5°	1203.7	1006.5	922.9	795.8	1173.6
60°	1090.1	849.3	785.8	698.8	1076.6
62.5°	996.4	732.3	718.9	631.9	976.3
65°	896.1	652.0	648.6	575.1	829.2
67.5°	799.1	598.5	595.2	521.6	631.9
70°	695.5	541.7	535.0	464.8	468.1
72.5°	588.5	478.2	471.5	417.9	387.9
75°	481.5	404.6	401.2	364.5	314.3
77.5°	377.8	321.0	327.7	294.2	230.7
80°	270.8	234.1	240.8	210.6	173.9
82.5°	180.6	153.8	160.5	133.8	117.0
85°	100.3	86.9	90.3	70.2	53.5
87.5°	46.8	40.1	40.1	26.8	16.7
90°	54.2	34.5	32.0	22.2	12.4
92.5°	334.4	237.9	217.0	133.1	49.3
95°	822.8	463.4	425.0	271.7	118.4
97.5°	1108.4	509.0	475.2	339.9	204.6
100°	1212.4	547.3	516.5	393.8	271.1
102.5°	1260.0	585.4	556.7	442.3	327.8
105°	1295.3	642.1	617.9	520.9	424.0
107.5°	1301.9	725.9	703.3	613.0	522.6
110°	1292.0	772.7	752.4	670.8	589.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1292.4	829.4	810.0	732.2	654.5
115°	1304.4	914.5	896.5	824.8	753.1
117.5°	1328.6	997.1	980.8	915.6	850.4
120°	1348.3	1045.1	1029.8	968.4	907.1
122.5°	1376.7	1101.8	1086.3	1024.5	962.5
125°	1414.8	1174.5	1160.4	1104.0	1047.6
127.5°	1453.1	1244.8	1230.6	1173.5	1116.6
130°	1481.0	1291.6	1276.3	1214.9	1153.6
132.5°	1503.6	1329.8	1314.5	1253.2	1191.8
135°	1528.2	1374.2	1360.3	1304.4	1248.4
137.5°	1565.2	1430.8	1417.0	1361.8	1306.4
140°	1587.8	1469.1	1456.3	1405.4	1354.4
142.5°	1606.7	1497.4	1485.7	1438.5	1391.4
145°	1631.4	1540.6	1530.3	1489.2	1448.1
147.5°	1667.5	1594.8	1584.9	1544.8	1504.8
150°	1686.3	1623.1	1614.1	1577.9	1541.8
152.5°	1698.8	1641.7	1634.8	1607.4	1580.0
155°	1725.8	1682.3	1677.2	1657.0	1636.7
157.5°	1752.9	1723.0	1718.0	1698.4	1678.6
160°	1765.3	1741.4	1737.6	1722.3	1707.0
162.5°	1778.4	1761.2	1758.3	1746.8	1735.3
165°	1797.3	1789.5	1786.9	1776.4	1766.0
167.5°	1812.1	1805.6	1804.3	1799.3	1794.4
170°	1824.4	1824.0	1822.8	1817.8	1812.9
172.5°	1825.2	1825.2	1824.9	1823.8	1822.8
175°	1832.6	1836.3	1836.3	1836.3	1836.3
177.5°	1833.4	1836.3	1836.3	1836.3	1836.3
180°	1836.3	1836.3	1836.3	1836.3	1836.3



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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	13.89	14.70	14.91	15.72	17.08	16.73	17.54	17.74	18.56	19.92
	3H	14.37	15.09	15.39	16.12	17.50	18.08	18.80	19.10	19.83	21.21
	4H	14.56	15.24	15.59	16.27	17.66	18.52	19.20	19.55	20.24	21.62
	6H	14.67	15.30	15.72	16.34	17.74	18.80	19.43	19.85	20.47	21.87
	8H	14.67	15.27	15.72	16.32	17.72	18.88	19.48	19.93	20.53	21.93
	12H	14.64	15.21	15.69	16.26	17.68	18.92	19.48	19.97	20.53	21.95
4H	2H	14.92	15.61	15.96	16.64	18.03	17.13	17.82	18.17	18.85	20.24
	3H	15.94	16.51	16.99	17.57	18.98	18.64	19.21	19.69	20.27	21.67
	4H	16.22	16.74	17.27	17.79	19.22	19.16	19.69	20.22	20.74	22.16
	6H	16.34	16.79	17.40	17.86	19.28	19.53	19.98	20.59	21.05	22.47
	8H	16.34	16.76	17.41	17.83	19.27	19.64	20.05	20.70	21.12	22.56
	12H	16.31	16.69	17.39	17.77	19.21	19.69	20.07	20.77	21.15	22.59
8H	4H	16.67	17.09	17.73	18.15	19.59	19.28	19.70	20.35	20.77	22.21
	6H	16.93	17.27	18.02	18.38	19.81	19.72	20.07	20.81	21.18	22.61
	8H	16.97	17.27	18.07	18.37	19.82	19.87	20.18	20.97	21.27	22.72
	12H	16.95	17.22	18.05	18.31	19.80	19.97	20.24	21.07	21.33	22.82
12H	4H	16.67	17.05	17.76	18.13	19.57	19.25	19.62	20.33	20.71	22.15
	6H	16.99	17.29	18.08	18.38	19.84	19.72	20.02	20.81	21.11	22.57
	8H	17.05	17.32	18.15	18.41	19.90	19.88	20.14	20.98	21.23	22.72