

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: P935669

Luminaire Tested: SQ4-FA-125U-100D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935669
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

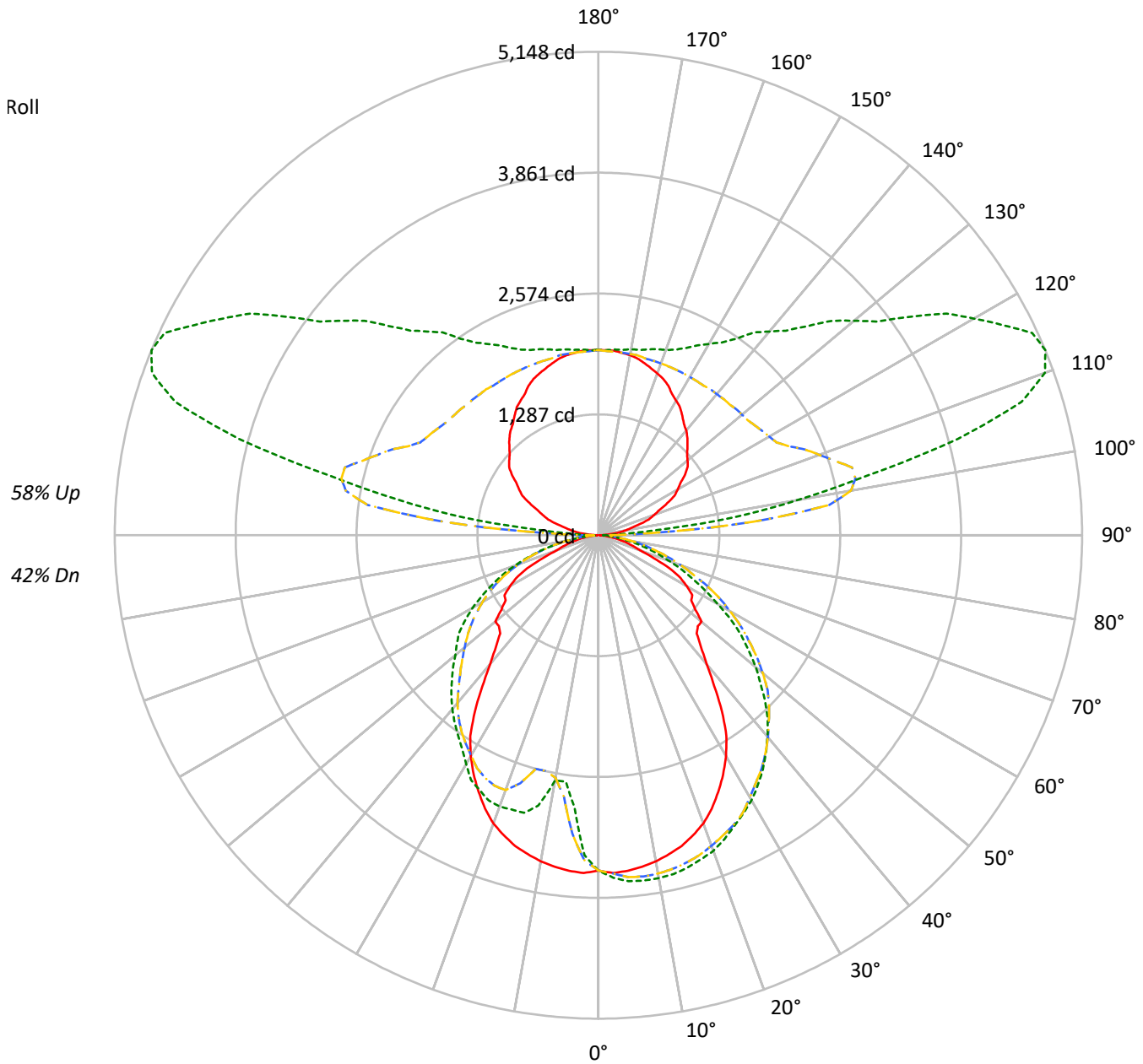
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22045.5 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 193.2
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				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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11041	11041	11041	11041
5°	11128	11145	11128	8764
10°	11057	10979	11057	7849
15°	10941	10741	10941	8969
20°	10716	10459	10716	8988
25°	10252	10048	10252	8797
30°	9651	9707	9651	8379
35°	8608	9275	8608	7919
40°	7177	8767	7177	7572
45°	6417	8172	6417	7173
50°	6823	7463	6823	6772
55°	6425	6699	6425	6540
60°	6631	5689	6631	5990
65°	6022	4703	6022	5257
70°	4180	3748	4180	4407
75°	3680	2771	3680	3318
80°	2987	1831	2987	1994
85°	1750	970	1750	824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	1.5
10°-20°	914.9	4.1
20°-30°	1414.2	6.4
30°-40°	1688.3	7.7
40°-50°	1698.2	7.7
50°-60°	1477.6	6.7
60°-70°	1047.6	4.8
70°-80°	554.3	2.5
80°-90°	145.6	0.7
90°-100°	961.2	4.4
100°-110°	2527.0	11.5
110°-120°	2620.2	11.9
120°-130°	2101.7	9.5
130°-140°	1649.1	7.5
140°-150°	1265.8	5.7
150°-160°	911.6	4.1
160°-170°	557.7	2.5
170°-180°	188.4	0.9
0°-30°	2651.3	12.0
0°-40°	4339.6	19.7
0°-60°	7515.3	34.1
0°-90°	9262.8	42.0
90°-120°	6108.4	27.7
90°-150°	11125.0	50.5
90°-180°	12783.0	58.0
0°-180°	22045.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3570	3570	3570	3570	3570	
5°	3586	3698	3586	2908	3586	340
15°	3424	3664	3424	3060	3424	963
25°	3016	3418	3016	2992	3016	1385
35°	2293	3050	2293	2604	2293	1419
45°	1479	2512	1479	2205	1479	1185
55°	1206	1854	1206	1810	1206	1108
65°	838	1118	838	1250	838	800
75°	318	530	318	635	318	334
85°	54	135	54	115	54	73
90°	13	50	13	50	13	13
95°	127	581	127	581	127	141
105°	455	3957	455	3957	455	483
115°	808	5095	808	5095	808	799
125°	1125	4058	1125	4058	1125	999
135°	1341	3148	1341	3148	1341	1037
145°	1555	2554	1555	2554	1555	974
155°	1757	2199	1757	2199	1757	808
165°	1896	2049	1896	2049	1896	535
175°	1972	1985	1972	1985	1972	187
180°	1972	1972	1972	1972	1972	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3600.0	3600.0	3620.2	3627.0	3627.0	3616.8	3606.7	3616.8	3647.2	3657.4	3654.0
5°	3586.5	3613.5	3650.6	3657.4	3664.1	3660.8	3654.0	3660.8	3694.5	3701.3	3704.7
7.5°	3559.4	3610.1	3657.4	3667.5	3677.7	3667.5	3664.1	3670.9	3704.7	3711.4	3711.4
10°	3525.7	3596.6	3650.6	3657.4	3667.5	3657.4	3657.4	3670.9	3704.7	3711.4	3714.8
12.5°	3478.4	3576.4	3627.0	3633.8	3647.2	3643.8	3640.5	3654.0	3687.8	3694.5	3694.5
15°	3424.4	3539.2	3586.5	3593.2	3616.8	3610.1	3610.1	3623.6	3660.8	3670.9	3667.5
17.5°	3350.1	3491.9	3545.9	3556.1	3572.9	3569.5	3572.9	3586.5	3620.2	3627.0	3630.4
20°	3265.6	3427.8	3491.9	3502.1	3518.9	3518.9	3518.9	3535.8	3569.5	3583.1	3583.1
22.5°	3150.8	3360.2	3427.8	3434.5	3454.8	3454.8	3461.5	3485.1	3515.5	3518.9	3518.9
25°	3015.7	3285.9	3343.3	3363.6	3383.8	3393.9	3404.1	3417.6	3427.8	3424.4	3427.8
27.5°	2873.9	3191.3	3265.6	3279.2	3306.2	3316.3	3329.8	3333.2	3336.5	3346.7	3339.9
30°	2715.2	3059.6	3171.1	3184.6	3228.5	3235.2	3221.8	3228.5	3245.4	3252.2	3258.9
32.5°	2536.1	2863.7	3073.2	3103.5	3144.1	3123.8	3120.4	3130.6	3157.6	3157.6	3164.3
35°	2293.1	2711.8	2982.0	3009.0	3039.3	3015.7	3029.2	3032.6	3049.5	3059.6	3056.3
37.5°	2026.2	2580.1	2887.4	2907.7	2931.3	2900.9	2921.2	2931.3	2944.9	2938.0	2938.0
40°	1789.9	2374.1	2776.0	2789.4	2809.7	2786.1	2806.3	2813.1	2819.9	2813.1	2809.7
42.5°	1614.3	2147.8	2657.7	2674.7	2661.1	2678.0	2684.7	2698.3	2688.1	2674.7	2674.7
45°	1479.2	2087.1	2529.4	2549.7	2529.4	2556.4	2566.6	2566.6	2536.1	2529.4	2526.1
47.5°	1435.3	1965.5	2401.1	2401.1	2391.0	2424.7	2441.7	2418.0	2387.6	2377.5	2377.5
50°	1431.9	1830.4	2225.5	2212.0	2259.2	2299.8	2282.9	2259.2	2235.6	2198.5	2198.5
52.5°	1300.2	1664.9	1999.2	2049.9	2124.2	2147.8	2120.8	2097.2	2056.6	2039.8	2026.2
55°	1205.6	1492.7	1793.2	1894.5	1972.2	2002.6	1951.9	1928.3	1867.5	1857.4	1850.6
57.5°	1185.4	1242.7	1604.1	1732.5	1827.0	1823.6	1793.2	1749.3	1698.6	1688.6	1685.2
60°	1087.4	898.3	1401.5	1553.5	1651.4	1641.3	1614.3	1573.7	1526.4	1519.7	1512.9
62.5°	986.1	651.8	1171.8	1344.1	1482.6	1479.2	1455.6	1394.7	1361.0	1344.1	1330.6
65°	837.5	547.1	834.1	1117.8	1317.0	1323.8	1273.1	1229.3	1192.1	1171.8	1168.4
67.5°	638.2	445.8	563.9	932.1	1158.4	1151.6	1087.4	1067.1	1019.8	1009.7	989.5
70°	472.8	297.2	391.7	756.5	1003.0	986.1	935.4	911.8	867.9	844.2	830.8
72.5°	391.7	239.8	287.0	587.6	844.2	824.0	780.1	753.1	715.9	695.7	682.2
75°	317.5	253.3	219.5	435.6	685.5	672.1	631.5	604.5	574.1	547.1	550.5
77.5°	233.0	236.4	175.6	320.9	543.7	523.5	499.8	466.0	452.5	425.5	425.5
80°	175.6	185.7	131.7	219.5	391.7	391.7	371.5	347.9	324.2	310.7	310.7
82.5°	118.2	118.2	97.9	138.4	266.8	256.6	243.2	236.4	222.9	216.2	216.2
85°	54.0	67.6	60.7	84.4	145.2	152.0	152.0	145.2	141.9	135.0	138.4
87.5°	16.9	30.4	37.1	47.3	74.3	77.7	81.0	81.0	81.0	84.4	84.4
90°	13.2	23.8	34.4	37.1	58.2	86.4	100.5	89.4	67.1	50.3	50.3
92.5°	52.9	142.9	232.9	255.4	359.1	497.3	566.4	496.4	356.4	251.4	241.5
95°	127.0	291.7	456.4	497.6	883.5	1398.2	1655.5	1477.3	1120.9	853.6	823.3
97.5°	219.6	364.9	510.3	546.6	1190.2	2048.3	2477.4	2364.7	2139.5	1970.5	1912.8
100°	291.1	422.9	554.7	587.6	1301.8	2254.1	2730.1	2738.4	2754.9	2767.2	2698.5
102.5°	352.0	475.0	597.8	628.6	1353.0	2318.7	2801.6	2945.1	3232.1	3447.4	3388.7
105°	455.2	559.3	663.5	689.5	1390.9	2326.0	2793.6	3115.3	3758.9	4241.4	4209.8
107.5°	561.1	658.2	755.2	779.5	1398.0	2222.6	2634.9	3083.6	3981.1	4654.3	4662.0
110°	632.6	720.2	807.9	829.8	1387.3	2130.8	2502.5	3004.2	4007.6	4760.2	4793.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	702.7	786.2	869.7	890.6	1387.7	2050.7	2382.1	2895.6	3922.5	4692.7	4743.3
115°	808.5	885.6	962.7	981.9	1400.6	1958.7	2237.9	2732.5	3721.8	4463.8	4533.9
117.5°	913.2	983.1	1053.2	1070.6	1426.6	1901.2	2138.6	2585.1	3477.9	4147.5	4225.2
120°	974.0	1039.9	1105.8	1122.3	1447.8	1881.9	2098.9	2506.8	3322.6	3934.5	4010.0
122.5°	1033.6	1100.0	1166.5	1183.1	1478.2	1871.8	2068.5	2435.8	3170.4	3721.4	3795.9
125°	1124.9	1185.5	1246.0	1261.2	1519.3	1863.3	2035.3	2347.3	2971.4	3439.4	3508.1
127.5°	1199.0	1260.2	1321.4	1336.6	1560.3	1858.5	2007.6	2275.4	2811.3	3213.1	3271.1
130°	1238.7	1304.6	1370.4	1386.9	1590.3	1861.4	1997.0	2235.5	2712.5	3070.3	3123.8
132.5°	1279.7	1345.6	1411.5	1428.0	1614.5	1863.3	1987.7	2201.2	2628.2	2948.5	2996.5
135°	1340.6	1400.6	1460.6	1475.6	1641.0	1861.6	1971.9	2150.7	2508.3	2776.5	2817.8
137.5°	1402.8	1462.2	1521.6	1536.4	1680.7	1873.0	1969.2	2120.4	2422.7	2649.4	2683.2
140°	1454.4	1509.1	1563.8	1577.5	1704.9	1874.9	1959.9	2090.5	2351.6	2547.5	2579.1
142.5°	1494.1	1544.7	1595.3	1607.9	1725.2	1881.7	1959.9	2074.6	2304.1	2476.1	2503.3
145°	1555.0	1599.1	1643.3	1654.2	1751.7	1881.7	1946.7	2040.5	2228.2	2368.8	2389.4
147.5°	1615.8	1658.8	1701.7	1712.4	1790.6	1894.7	1946.7	2020.5	2168.2	2278.8	2295.9
150°	1655.5	1694.4	1733.2	1742.9	1810.8	1901.4	1946.7	2009.1	2133.7	2227.2	2241.0
152.5°	1696.6	1726.0	1755.5	1762.8	1824.1	1905.8	1946.7	2000.0	2106.4	2186.2	2196.7
155°	1757.4	1779.2	1801.0	1806.4	1853.2	1915.6	1946.7	1989.1	2073.8	2137.2	2144.1
157.5°	1802.5	1823.6	1844.8	1850.1	1882.3	1925.3	1946.7	1979.6	2045.5	2094.9	2099.8
160°	1832.9	1849.4	1865.9	1870.0	1895.5	1929.7	1946.7	1974.9	2031.4	2073.8	2076.6
162.5°	1863.3	1875.7	1888.0	1891.1	1909.7	1934.4	1946.7	1970.6	2018.2	2053.9	2056.6
165°	1896.4	1907.5	1918.7	1921.5	1930.0	1941.1	1946.7	1963.8	1997.9	2023.4	2026.2
167.5°	1926.9	1932.2	1937.4	1938.7	1945.8	1955.3	1959.9	1971.1	1993.4	2010.2	2011.4
170°	1946.7	1952.0	1957.3	1958.6	1959.0	1959.6	1959.9	1971.1	1993.4	2010.2	2010.2
172.5°	1957.3	1958.5	1959.7	1959.9	1959.9	1959.9	1959.9	1968.8	1986.4	1999.6	1998.6
175°	1971.9	1971.9	1971.9	1971.9	1967.9	1962.6	1959.9	1965.6	1976.7	1985.1	1985.1
177.5°	1971.9	1971.9	1971.9	1971.9	1968.8	1964.6	1962.6	1967.0	1975.8	1982.4	1981.2
180°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3660.8	3650.6	3660.8	3654.0	3657.4	3647.2	3616.8	3606.7	3616.8	3627.0	3627.0
5°	3704.7	3697.9	3704.7	3704.7	3701.3	3694.5	3660.8	3654.0	3660.8	3664.1	3657.4
7.5°	3718.1	3708.1	3718.1	3711.4	3711.4	3704.7	3670.9	3664.1	3667.5	3677.7	3667.5
10°	3718.1	3708.1	3718.1	3714.8	3711.4	3704.7	3670.9	3657.4	3657.4	3667.5	3657.4
12.5°	3701.3	3694.5	3701.3	3694.5	3694.5	3687.8	3654.0	3640.5	3643.8	3647.2	3633.8
15°	3674.2	3664.1	3674.2	3667.5	3670.9	3660.8	3623.6	3610.1	3610.1	3616.8	3593.2
17.5°	3633.8	3620.2	3633.8	3630.4	3627.0	3620.2	3586.5	3572.9	3569.5	3572.9	3556.1
20°	3586.5	3576.4	3586.5	3583.1	3583.1	3569.5	3535.8	3518.9	3518.9	3518.9	3502.1
22.5°	3512.2	3502.1	3512.2	3518.9	3518.9	3515.5	3485.1	3461.5	3454.8	3454.8	3434.5
25°	3427.8	3417.6	3427.8	3427.8	3424.4	3427.8	3417.6	3404.1	3393.9	3383.8	3363.6
27.5°	3346.7	3339.9	3346.7	3339.9	3346.7	3336.5	3333.2	3329.8	3316.3	3306.2	3279.2
30°	3265.6	3258.9	3265.6	3258.9	3252.2	3245.4	3228.5	3221.8	3235.2	3228.5	3184.6
32.5°	3164.3	3157.6	3164.3	3164.3	3157.6	3157.6	3130.6	3120.4	3123.8	3144.1	3103.5
35°	3059.6	3049.5	3059.6	3056.3	3059.6	3049.5	3032.6	3029.2	3015.7	3039.3	3009.0
37.5°	2938.0	2927.9	2938.0	2938.0	2938.0	2944.9	2931.3	2921.2	2900.9	2931.3	2907.7
40°	2813.1	2799.6	2813.1	2809.7	2813.1	2819.9	2813.1	2806.3	2786.1	2809.7	2789.4
42.5°	2671.3	2667.9	2671.3	2674.7	2674.7	2688.1	2698.3	2684.7	2678.0	2661.1	2674.7
45°	2519.3	2512.5	2519.3	2526.1	2529.4	2536.1	2566.6	2566.6	2556.4	2529.4	2549.7
47.5°	2357.2	2340.4	2357.2	2377.5	2377.5	2387.6	2418.0	2441.7	2424.7	2391.0	2401.1
50°	2185.0	2188.4	2185.0	2198.5	2198.5	2235.6	2259.2	2282.9	2299.8	2259.2	2212.0
52.5°	2016.1	2012.8	2016.1	2026.2	2039.8	2056.6	2097.2	2120.8	2147.8	2124.2	2049.9
55°	1847.2	1854.0	1847.2	1850.6	1857.4	1867.5	1928.3	1951.9	2002.6	1972.2	1894.5
57.5°	1678.4	1668.3	1678.4	1685.2	1688.6	1698.6	1749.3	1793.2	1823.6	1827.0	1732.5
60°	1482.6	1469.0	1482.6	1512.9	1519.7	1526.4	1573.7	1614.3	1641.3	1651.4	1553.5
62.5°	1310.3	1286.7	1310.3	1330.6	1344.1	1361.0	1394.7	1455.6	1479.2	1482.6	1344.1
65°	1128.0	1117.8	1128.0	1168.4	1171.8	1192.1	1229.3	1273.1	1323.8	1317.0	1117.8
67.5°	962.5	962.5	962.5	989.5	1009.7	1019.8	1067.1	1087.4	1151.6	1158.4	932.1
70°	810.5	807.1	810.5	830.8	844.2	867.9	911.8	935.4	986.1	1003.0	756.5
72.5°	665.3	661.9	665.3	682.2	695.7	715.9	753.1	780.1	824.0	844.2	587.6
75°	536.9	530.2	536.9	550.5	547.1	574.1	604.5	631.5	672.1	685.5	435.6
77.5°	412.0	412.0	412.0	425.5	425.5	452.5	466.0	499.8	523.5	543.7	320.9
80°	307.3	303.9	307.3	310.7	310.7	324.2	347.9	371.5	391.7	391.7	219.5
82.5°	216.2	209.3	216.2	216.2	216.2	222.9	236.4	243.2	256.6	266.8	138.4
85°	135.0	135.0	135.0	138.4	135.0	141.9	145.2	152.0	152.0	145.2	84.4
87.5°	87.8	84.4	87.8	84.4	84.4	81.0	81.0	81.0	77.7	74.3	47.3
90°	50.3	50.3	50.3	50.3	50.3	67.1	89.4	100.5	86.4	58.2	37.1
92.5°	201.4	161.5	201.4	241.5	251.4	356.4	496.4	566.4	497.3	359.1	255.4
95°	702.1	581.0	702.1	823.3	853.6	1120.9	1477.3	1655.5	1398.2	883.5	497.6
97.5°	1682.3	1451.7	1682.3	1912.8	1970.5	2139.5	2364.7	2477.4	2048.3	1190.2	546.6
100°	2423.9	2149.2	2423.9	2698.5	2767.2	2754.9	2738.4	2730.1	2254.1	1301.8	587.6
102.5°	3153.3	2918.1	3153.3	3388.7	3447.4	3232.1	2945.1	2801.6	2318.7	1353.0	628.6
105°	4083.4	3956.9	4083.4	4209.8	4241.4	3758.9	3115.3	2793.6	2326.0	1390.9	689.5
107.5°	4692.6	4723.1	4692.6	4662.0	4654.3	3981.1	3083.6	2634.9	2222.6	1398.0	779.5
110°	4924.9	5056.6	4924.9	4793.2	4760.2	4007.6	3004.2	2502.5	2130.8	1387.3	829.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4945.6	5148.0	4945.6	4743.3	4692.7	3922.5	2895.6	2382.1	2050.7	1387.7	890.6
115°	4814.5	5095.0	4814.5	4533.9	4463.8	3721.8	2732.5	2237.9	1958.7	1400.6	981.9
117.5°	4536.4	4847.5	4536.4	4225.2	4147.5	3477.9	2585.1	2138.6	1901.2	1426.6	1070.6
120°	4312.3	4614.6	4312.3	4010.0	3934.5	3322.6	2506.8	2098.9	1881.9	1447.8	1122.3
122.5°	4094.1	4392.3	4094.1	3795.9	3721.4	3170.4	2435.8	2068.5	1871.8	1478.2	1183.1
125°	3782.8	4057.5	3782.8	3508.1	3439.4	2971.4	2347.3	2035.3	1863.3	1519.3	1261.2
127.5°	3502.8	3734.6	3502.8	3271.1	3213.1	2811.3	2275.4	2007.6	1858.5	1560.3	1336.6
130°	3337.9	3552.0	3337.9	3123.8	3070.3	2712.5	2235.5	1997.0	1861.4	1590.3	1386.9
132.5°	3188.2	3379.9	3188.2	2996.5	2948.5	2628.2	2201.2	1987.7	1863.3	1614.5	1428.0
135°	2983.0	3148.3	2983.0	2817.8	2776.5	2508.3	2150.7	1971.9	1861.6	1641.0	1475.6
137.5°	2818.5	2953.8	2818.5	2683.2	2649.4	2422.7	2120.4	1969.2	1873.0	1680.7	1536.4
140°	2705.6	2832.0	2705.6	2579.1	2547.5	2351.6	2090.5	1959.9	1874.9	1704.9	1577.5
142.5°	2612.1	2720.9	2612.1	2503.3	2476.1	2304.1	2074.6	1959.9	1881.7	1725.2	1607.9
145°	2471.7	2554.1	2471.7	2389.4	2368.8	2228.2	2040.5	1946.7	1881.7	1751.7	1654.2
147.5°	2364.1	2432.4	2364.1	2295.9	2278.8	2168.2	2020.5	1946.7	1894.7	1790.6	1712.4
150°	2296.4	2351.7	2296.4	2241.0	2227.2	2133.7	2009.1	1946.7	1901.4	1810.8	1742.9
152.5°	2238.5	2280.2	2238.5	2196.7	2186.2	2106.4	2000.0	1946.7	1905.8	1824.1	1762.8
155°	2171.8	2199.4	2171.8	2144.1	2137.2	2073.8	1989.1	1946.7	1915.6	1853.2	1806.4
157.5°	2119.2	2138.6	2119.2	2099.8	2094.9	2045.5	1979.6	1946.7	1925.3	1882.3	1850.1
160°	2087.7	2098.9	2087.7	2076.6	2073.8	2031.4	1974.9	1946.7	1929.7	1895.5	1870.0
162.5°	2067.1	2077.7	2067.1	2056.6	2053.9	2018.2	1970.6	1946.7	1934.4	1909.7	1891.1
165°	2037.4	2048.6	2037.4	2026.2	2023.4	1997.9	1963.8	1946.7	1941.1	1930.0	1921.5
167.5°	2016.1	2020.8	2016.1	2011.4	2010.2	1993.4	1971.1	1959.9	1955.3	1945.8	1938.7
170°	2010.2	2010.2	2010.2	2010.2	2010.2	1993.4	1971.1	1959.9	1959.6	1959.0	1958.6
172.5°	1994.4	1990.4	1994.4	1998.6	1999.6	1986.4	1968.8	1959.9	1959.9	1959.9	1959.9
175°	1985.1	1985.1	1985.1	1985.1	1985.1	1976.7	1965.6	1959.9	1962.6	1967.9	1971.9
177.5°	1976.6	1971.9	1976.6	1981.2	1982.4	1975.8	1967.0	1962.6	1964.6	1968.8	1971.9
180°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3620.2	3600.0	3600.0	3566.2	3552.7	3542.5	3525.7	3475.1	3461.5	3448.0	3468.2
5°	3650.6	3613.5	3586.5	3525.7	3475.1	3454.8	3390.6	3269.0	3187.9	3127.2	3093.4
7.5°	3657.4	3610.1	3559.4	3464.9	3343.3	3289.3	3093.4	2870.6	2809.7	2755.7	2721.9
10°	3650.6	3596.6	3525.7	3383.8	3096.8	3002.2	2806.3	2661.1	2624.0	2613.9	2624.0
12.5°	3627.0	3576.4	3478.4	3242.0	2840.1	2776.0	2661.1	2576.7	2570.0	2586.8	2678.0
15°	3586.5	3539.2	3424.4	3052.9	2698.3	2651.0	2570.0	2539.6	2576.7	2694.9	2968.5
17.5°	3545.9	3491.9	3350.1	2867.2	2590.3	2556.4	2499.0	2559.8	2769.2	2927.9	3019.1
20°	3491.9	3427.8	3265.6	2732.0	2512.5	2482.1	2455.1	2728.7	2887.4	2944.9	2995.5
22.5°	3427.8	3360.2	3150.8	2637.5	2431.5	2407.8	2424.7	2823.3	2887.4	2927.9	2971.9
25°	3343.3	3285.9	3015.7	2563.2	2367.4	2340.4	2404.5	2813.1	2850.3	2860.4	2948.2
27.5°	3265.6	3191.3	2873.9	2495.7	2289.7	2279.5	2421.4	2769.2	2796.3	2806.3	2900.9
30°	3171.1	3059.6	2715.2	2424.7	2208.6	2205.2	2424.7	2715.2	2708.4	2735.4	2830.0
32.5°	3073.2	2863.7	2536.1	2337.0	2130.9	2127.5	2401.1	2634.1	2627.4	2664.5	2735.4
35°	2982.0	2711.8	2293.1	2235.6	2033.0	2036.4	2343.7	2539.6	2543.0	2576.7	2620.6
37.5°	2887.4	2580.1	2026.2	2124.2	1938.5	1938.5	2266.0	2451.8	2445.0	2455.1	2516.0
40°	2776.0	2374.1	1789.9	1978.9	1850.6	1840.5	2171.5	2357.2	2333.5	2330.2	2414.7
42.5°	2657.7	2147.8	1614.3	1786.5	1749.3	1735.8	2056.6	2242.4	2198.5	2208.6	2316.7
45°	2529.4	2087.1	1479.2	1509.6	1644.6	1634.5	1931.7	2110.7	2080.2	2107.3	2218.8
47.5°	2401.1	1965.5	1435.3	1252.9	1533.2	1529.9	1793.2	1982.3	1965.5	1992.5	2110.7
50°	2225.5	1830.4	1431.9	1073.9	1408.3	1421.7	1627.7	1857.4	1857.4	1881.0	2005.9
52.5°	1999.2	1664.9	1300.2	972.6	1263.0	1303.6	1482.6	1749.3	1756.1	1779.7	1891.2
55°	1793.2	1492.7	1205.6	894.9	1090.8	1178.6	1340.7	1637.9	1651.4	1675.0	1776.3
57.5°	1604.1	1242.7	1185.4	803.8	932.1	1016.5	1215.7	1529.9	1536.6	1556.9	1654.8
60°	1401.5	898.3	1087.4	705.8	793.6	857.8	1101.0	1401.5	1425.1	1438.6	1523.0
62.5°	1171.8	651.8	986.1	638.2	726.1	739.6	1006.4	1279.9	1310.3	1320.4	1371.1
65°	834.1	547.1	837.5	580.9	655.2	658.5	905.1	1155.0	1182.0	1198.8	1236.0
67.5°	563.9	445.8	638.2	526.8	601.1	604.5	807.1	1009.7	1046.9	1060.4	1084.1
70°	391.7	297.2	472.8	469.5	540.3	547.1	702.5	878.1	911.8	921.9	935.4
72.5°	287.0	239.8	391.7	422.2	476.2	482.9	594.4	729.5	763.2	773.4	780.1
75°	219.5	253.3	317.5	368.1	405.2	408.6	486.3	594.4	618.0	624.8	628.1
77.5°	175.6	236.4	233.0	297.2	330.9	324.2	381.6	459.3	479.5	479.5	479.5
80°	131.7	185.7	175.6	212.7	243.2	236.4	273.6	327.6	334.3	341.1	337.7
82.5°	97.9	118.2	118.2	135.0	162.1	155.3	182.3	212.7	212.7	212.7	219.5
85°	60.7	67.6	54.0	70.9	91.2	87.8	101.3	114.8	118.2	118.2	111.4
87.5°	37.1	30.4	16.9	27.0	40.6	40.6	47.3	50.7	47.3	47.3	47.3
90°	34.4	23.8	13.2	23.8	34.4	37.1	58.2	86.4	100.5	89.4	67.1
92.5°	232.9	142.9	52.9	142.9	232.9	255.4	359.1	497.3	566.4	496.4	356.4
95°	456.4	291.7	127.0	291.7	456.4	497.6	883.5	1398.2	1655.5	1477.3	1120.9
97.5°	510.3	364.9	219.6	364.9	510.3	546.6	1190.2	2048.3	2477.4	2364.7	2139.5
100°	554.7	422.9	291.1	422.9	554.7	587.6	1301.8	2254.1	2730.1	2738.4	2754.9
102.5°	597.8	475.0	352.0	475.0	597.8	628.6	1353.0	2318.7	2801.6	2945.1	3232.1
105°	663.5	559.3	455.2	559.3	663.5	689.5	1390.9	2326.0	2793.6	3115.3	3758.9
107.5°	755.2	658.2	561.1	658.2	755.2	779.5	1398.0	2222.6	2634.9	3083.6	3981.1
110°	807.9	720.2	632.6	720.2	807.9	829.8	1387.3	2130.8	2502.5	3004.2	4007.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	869.7	786.2	702.7	786.2	869.7	890.6	1387.7	2050.7	2382.1	2895.6	3922.5
115°	962.7	885.6	808.5	885.6	962.7	981.9	1400.6	1958.7	2237.9	2732.5	3721.8
117.5°	1053.2	983.1	913.2	983.1	1053.2	1070.6	1426.6	1901.2	2138.6	2585.1	3477.9
120°	1105.8	1039.9	974.0	1039.9	1105.8	1122.3	1447.8	1881.9	2098.9	2506.8	3322.6
122.5°	1166.5	1100.0	1033.6	1100.0	1166.5	1183.1	1478.2	1871.8	2068.5	2435.8	3170.4
125°	1246.0	1185.5	1124.9	1185.5	1246.0	1261.2	1519.3	1863.3	2035.3	2347.3	2971.4
127.5°	1321.4	1260.2	1199.0	1260.2	1321.4	1336.6	1560.3	1858.5	2007.6	2275.4	2811.3
130°	1370.4	1304.6	1238.7	1304.6	1370.4	1386.9	1590.3	1861.4	1997.0	2235.5	2712.5
132.5°	1411.5	1345.6	1279.7	1345.6	1411.5	1428.0	1614.5	1863.3	1987.7	2201.2	2628.2
135°	1460.6	1400.6	1340.6	1400.6	1460.6	1475.6	1641.0	1861.6	1971.9	2150.7	2508.3
137.5°	1521.6	1462.2	1402.8	1462.2	1521.6	1536.4	1680.7	1873.0	1969.2	2120.4	2422.7
140°	1563.8	1509.1	1454.4	1509.1	1563.8	1577.5	1704.9	1874.9	1959.9	2090.5	2351.6
142.5°	1595.3	1544.7	1494.1	1544.7	1595.3	1607.9	1725.2	1881.7	1959.9	2074.6	2304.1
145°	1643.3	1599.1	1555.0	1599.1	1643.3	1654.2	1751.7	1881.7	1946.7	2040.5	2228.2
147.5°	1701.7	1658.8	1615.8	1658.8	1701.7	1712.4	1790.6	1894.7	1946.7	2020.5	2168.2
150°	1733.2	1694.4	1655.5	1694.4	1733.2	1742.9	1810.8	1901.4	1946.7	2009.1	2133.7
152.5°	1755.5	1726.0	1696.6	1726.0	1755.5	1762.8	1824.1	1905.8	1946.7	2000.0	2106.4
155°	1801.0	1779.2	1757.4	1779.2	1801.0	1806.4	1853.2	1915.6	1946.7	1989.1	2073.8
157.5°	1844.8	1823.6	1802.5	1823.6	1844.8	1850.1	1882.3	1925.3	1946.7	1979.6	2045.5
160°	1865.9	1849.4	1832.9	1849.4	1865.9	1870.0	1895.5	1929.7	1946.7	1974.9	2031.4
162.5°	1888.0	1875.7	1863.3	1875.7	1888.0	1891.1	1909.7	1934.4	1946.7	1970.6	2018.2
165°	1918.7	1907.5	1896.4	1907.5	1918.7	1921.5	1930.0	1941.1	1946.7	1963.8	1997.9
167.5°	1937.4	1932.2	1926.9	1932.2	1937.4	1938.7	1945.8	1955.3	1959.9	1971.1	1993.4
170°	1957.3	1952.0	1946.7	1952.0	1957.3	1958.6	1959.0	1959.6	1959.9	1971.1	1993.4
172.5°	1959.7	1958.5	1957.3	1958.5	1959.7	1959.9	1959.9	1959.9	1959.9	1968.8	1986.4
175°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1967.9	1962.6	1959.9	1976.7
177.5°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1968.8	1964.6	1962.6	1975.8
180°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3444.6	3434.5	3448.0	3410.8	3448.0	3434.5	3444.6	3468.2	3448.0	3461.5	3475.1
5°	3022.5	3005.6	2951.6	2907.7	2951.6	3005.6	3022.5	3093.4	3127.2	3187.9	3269.0
7.5°	2701.7	2688.1	2674.7	2647.6	2674.7	2688.1	2701.7	2721.9	2755.7	2809.7	2870.6
10°	2630.7	2634.1	2654.4	2651.0	2654.4	2634.1	2630.7	2624.0	2613.9	2624.0	2661.1
12.5°	2813.1	2843.5	2954.9	2948.2	2954.9	2843.5	2813.1	2678.0	2586.8	2570.0	2576.7
15°	3022.5	3032.6	3056.3	3059.6	3056.3	3032.6	3022.5	2968.5	2694.9	2576.7	2539.6
17.5°	3042.7	3046.2	3063.0	3063.0	3063.0	3046.2	3042.7	3019.1	2927.9	2769.2	2559.8
20°	3025.9	3032.6	3066.3	3073.2	3066.3	3032.6	3025.9	2995.5	2944.9	2887.4	2728.7
22.5°	3019.1	3032.6	3059.6	3056.3	3059.6	3032.6	3019.1	2971.9	2927.9	2887.4	2823.3
25°	2985.3	2985.3	2988.7	2992.1	2988.7	2985.3	2985.3	2948.2	2860.4	2850.3	2813.1
27.5°	2914.4	2921.2	2941.4	2938.0	2941.4	2921.2	2914.4	2900.9	2806.3	2796.3	2769.2
30°	2850.3	2843.5	2826.6	2813.1	2826.6	2843.5	2850.3	2830.0	2735.4	2708.4	2715.2
32.5°	2742.2	2725.3	2708.4	2698.3	2708.4	2725.3	2742.2	2735.4	2664.5	2627.4	2634.1
35°	2613.9	2617.3	2613.9	2603.7	2613.9	2617.3	2613.9	2620.6	2576.7	2543.0	2539.6
37.5°	2522.7	2529.4	2526.1	2512.5	2526.1	2529.4	2522.7	2516.0	2455.1	2445.0	2451.8
40°	2428.1	2431.5	2428.1	2418.0	2428.1	2431.5	2428.1	2414.7	2330.2	2333.5	2357.2
42.5°	2337.0	2333.5	2323.4	2316.7	2323.4	2333.5	2337.0	2316.7	2208.6	2198.5	2242.4
45°	2232.2	2235.6	2215.4	2205.2	2215.4	2235.6	2232.2	2218.8	2107.3	2080.2	2110.7
47.5°	2127.5	2127.5	2110.7	2100.5	2110.7	2127.5	2127.5	2110.7	1992.5	1965.5	1982.3
50°	2016.1	2012.8	1989.1	1985.8	1989.1	2012.8	2016.1	2005.9	1881.0	1857.4	1857.4
52.5°	1887.8	1887.8	1891.2	1897.9	1891.2	1887.8	1887.8	1891.2	1779.7	1756.1	1749.3
55°	1776.3	1779.7	1803.3	1810.1	1803.3	1779.7	1776.3	1776.3	1675.0	1651.4	1637.9
57.5°	1661.5	1661.5	1678.4	1678.4	1678.4	1661.5	1661.5	1654.8	1556.9	1536.6	1529.9
60°	1529.9	1536.6	1550.0	1546.7	1550.0	1536.6	1529.9	1523.0	1438.6	1425.1	1401.5
62.5°	1391.3	1398.1	1401.5	1394.7	1401.5	1398.1	1391.3	1371.1	1320.4	1310.3	1279.9
65°	1246.1	1252.9	1256.3	1249.5	1256.3	1252.9	1246.1	1236.0	1198.8	1182.0	1155.0
67.5°	1097.5	1094.1	1090.8	1104.3	1090.8	1094.1	1097.5	1084.1	1060.4	1046.9	1009.7
70°	945.5	945.5	942.2	949.0	942.2	945.5	945.5	935.4	921.9	911.8	878.1
72.5°	783.5	780.1	793.6	783.5	793.6	780.1	783.5	780.1	773.4	763.2	729.5
75°	624.8	631.5	624.8	634.9	624.8	631.5	624.8	628.1	624.8	618.0	594.4
77.5°	476.2	482.9	476.2	476.2	476.2	482.9	476.2	479.5	479.5	479.5	459.3
80°	337.7	334.3	334.3	330.9	334.3	334.3	337.7	337.7	341.1	334.3	327.6
82.5°	216.2	212.7	212.7	219.5	212.7	212.7	216.2	219.5	212.7	212.7	212.7
85°	118.2	121.6	114.8	114.8	114.8	121.6	118.2	111.4	118.2	118.2	114.8
87.5°	43.9	40.6	40.6	40.6	40.6	40.6	43.9	47.3	47.3	47.3	50.7
90°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	67.1	89.4	100.5	86.4
92.5°	251.4	241.5	201.4	161.5	201.4	241.5	251.4	356.4	496.4	566.4	497.3
95°	853.6	823.3	702.1	581.0	702.1	823.3	853.6	1120.9	1477.3	1655.5	1398.2
97.5°	1970.5	1912.8	1682.3	1451.7	1682.3	1912.8	1970.5	2139.5	2364.7	2477.4	2048.3
100°	2767.2	2698.5	2423.9	2149.2	2423.9	2698.5	2767.2	2754.9	2738.4	2730.1	2254.1
102.5°	3447.4	3388.7	3153.3	2918.1	3153.3	3388.7	3447.4	3232.1	2945.1	2801.6	2318.7
105°	4241.4	4209.8	4083.4	3956.9	4083.4	4209.8	4241.4	3758.9	3115.3	2793.6	2326.0
107.5°	4654.3	4662.0	4692.6	4723.1	4692.6	4662.0	4654.3	3981.1	3083.6	2634.9	2222.6
110°	4760.2	4793.2	4924.9	5056.6	4924.9	4793.2	4760.2	4007.6	3004.2	2502.5	2130.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4692.7	4743.3	4945.6	5148.0	4945.6	4743.3	4692.7	3922.5	2895.6	2382.1	2050.7
115°	4463.8	4533.9	4814.5	5095.0	4814.5	4533.9	4463.8	3721.8	2732.5	2237.9	1958.7
117.5°	4147.5	4225.2	4536.4	4847.5	4536.4	4225.2	4147.5	3477.9	2585.1	2138.6	1901.2
120°	3934.5	4010.0	4312.3	4614.6	4312.3	4010.0	3934.5	3322.6	2506.8	2098.9	1881.9
122.5°	3721.4	3795.9	4094.1	4392.3	4094.1	3795.9	3721.4	3170.4	2435.8	2068.5	1871.8
125°	3439.4	3508.1	3782.8	4057.5	3782.8	3508.1	3439.4	2971.4	2347.3	2035.3	1863.3
127.5°	3213.1	3271.1	3502.8	3734.6	3502.8	3271.1	3213.1	2811.3	2275.4	2007.6	1858.5
130°	3070.3	3123.8	3337.9	3552.0	3337.9	3123.8	3070.3	2712.5	2235.5	1997.0	1861.4
132.5°	2948.5	2996.5	3188.2	3379.9	3188.2	2996.5	2948.5	2628.2	2201.2	1987.7	1863.3
135°	2776.5	2817.8	2983.0	3148.3	2983.0	2817.8	2776.5	2508.3	2150.7	1971.9	1861.6
137.5°	2649.4	2683.2	2818.5	2953.8	2818.5	2683.2	2649.4	2422.7	2120.4	1969.2	1873.0
140°	2547.5	2579.1	2705.6	2832.0	2705.6	2579.1	2547.5	2351.6	2090.5	1959.9	1874.9
142.5°	2476.1	2503.3	2612.1	2720.9	2612.1	2503.3	2476.1	2304.1	2074.6	1959.9	1881.7
145°	2368.8	2389.4	2471.7	2554.1	2471.7	2389.4	2368.8	2228.2	2040.5	1946.7	1881.7
147.5°	2278.8	2295.9	2364.1	2432.4	2364.1	2295.9	2278.8	2168.2	2020.5	1946.7	1894.7
150°	2227.2	2241.0	2296.4	2351.7	2296.4	2241.0	2227.2	2133.7	2009.1	1946.7	1901.4
152.5°	2186.2	2196.7	2238.5	2280.2	2238.5	2196.7	2186.2	2106.4	2000.0	1946.7	1905.8
155°	2137.2	2144.1	2171.8	2199.4	2171.8	2144.1	2137.2	2073.8	1989.1	1946.7	1915.6
157.5°	2094.9	2099.8	2119.2	2138.6	2119.2	2099.8	2094.9	2045.5	1979.6	1946.7	1925.3
160°	2073.8	2076.6	2087.7	2098.9	2087.7	2076.6	2073.8	2031.4	1974.9	1946.7	1929.7
162.5°	2053.9	2056.6	2067.1	2077.7	2067.1	2056.6	2053.9	2018.2	1970.6	1946.7	1934.4
165°	2023.4	2026.2	2037.4	2048.6	2037.4	2026.2	2023.4	1997.9	1963.8	1946.7	1941.1
167.5°	2010.2	2011.4	2016.1	2020.8	2016.1	2011.4	2010.2	1993.4	1971.1	1959.9	1955.3
170°	2010.2	2010.2	2010.2	2010.2	2010.2	2010.2	2010.2	1993.4	1971.1	1959.9	1959.6
172.5°	1999.6	1998.6	1994.4	1990.4	1994.4	1998.6	1999.6	1986.4	1968.8	1959.9	1959.9
175°	1985.1	1985.1	1985.1	1985.1	1985.1	1985.1	1985.1	1976.7	1965.6	1959.9	1962.6
177.5°	1982.4	1981.2	1976.6	1971.9	1976.6	1981.2	1982.4	1975.8	1967.0	1962.6	1964.6
180°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3525.7	3542.5	3552.7	3566.2	3600.0
5°	3390.6	3454.8	3475.1	3525.7	3586.5
7.5°	3093.4	3289.3	3343.3	3464.9	3559.4
10°	2806.3	3002.2	3096.8	3383.8	3525.7
12.5°	2661.1	2776.0	2840.1	3242.0	3478.4
15°	2570.0	2651.0	2698.3	3052.9	3424.4
17.5°	2499.0	2556.4	2590.3	2867.2	3350.1
20°	2455.1	2482.1	2512.5	2732.0	3265.6
22.5°	2424.7	2407.8	2431.5	2637.5	3150.8
25°	2404.5	2340.4	2367.4	2563.2	3015.7
27.5°	2421.4	2279.5	2289.7	2495.7	2873.9
30°	2424.7	2205.2	2208.6	2424.7	2715.2
32.5°	2401.1	2127.5	2130.9	2337.0	2536.1
35°	2343.7	2036.4	2033.0	2235.6	2293.1
37.5°	2266.0	1938.5	1938.5	2124.2	2026.2
40°	2171.5	1840.5	1850.6	1978.9	1789.9
42.5°	2056.6	1735.8	1749.3	1786.5	1614.3
45°	1931.7	1634.5	1644.6	1509.6	1479.2
47.5°	1793.2	1529.9	1533.2	1252.9	1435.3
50°	1627.7	1421.7	1408.3	1073.9	1431.9
52.5°	1482.6	1303.6	1263.0	972.6	1300.2
55°	1340.7	1178.6	1090.8	894.9	1205.6
57.5°	1215.7	1016.5	932.1	803.8	1185.4
60°	1101.0	857.8	793.6	705.8	1087.4
62.5°	1006.4	739.6	726.1	638.2	986.1
65°	905.1	658.5	655.2	580.9	837.5
67.5°	807.1	604.5	601.1	526.8	638.2
70°	702.5	547.1	540.3	469.5	472.8
72.5°	594.4	482.9	476.2	422.2	391.7
75°	486.3	408.6	405.2	368.1	317.5
77.5°	381.6	324.2	330.9	297.2	233.0
80°	273.6	236.4	243.2	212.7	175.6
82.5°	182.3	155.3	162.1	135.0	118.2
85°	101.3	87.8	91.2	70.9	54.0
87.5°	47.3	40.6	40.6	27.0	16.9
90°	58.2	37.1	34.4	23.8	13.2
92.5°	359.1	255.4	232.9	142.9	52.9
95°	883.5	497.6	456.4	291.7	127.0
97.5°	1190.2	546.6	510.3	364.9	219.6
100°	1301.8	587.6	554.7	422.9	291.1
102.5°	1353.0	628.6	597.8	475.0	352.0
105°	1390.9	689.5	663.5	559.3	455.2
107.5°	1398.0	779.5	755.2	658.2	561.1
110°	1387.3	829.8	807.9	720.2	632.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1387.7	890.6	869.7	786.2	702.7
115°	1400.6	981.9	962.7	885.6	808.5
117.5°	1426.6	1070.6	1053.2	983.1	913.2
120°	1447.8	1122.3	1105.8	1039.9	974.0
122.5°	1478.2	1183.1	1166.5	1100.0	1033.6
125°	1519.3	1261.2	1246.0	1185.5	1124.9
127.5°	1560.3	1336.6	1321.4	1260.2	1199.0
130°	1590.3	1386.9	1370.4	1304.6	1238.7
132.5°	1614.5	1428.0	1411.5	1345.6	1279.7
135°	1641.0	1475.6	1460.6	1400.6	1340.6
137.5°	1680.7	1536.4	1521.6	1462.2	1402.8
140°	1704.9	1577.5	1563.8	1509.1	1454.4
142.5°	1725.2	1607.9	1595.3	1544.7	1494.1
145°	1751.7	1654.2	1643.3	1599.1	1555.0
147.5°	1790.6	1712.4	1701.7	1658.8	1615.8
150°	1810.8	1742.9	1733.2	1694.4	1655.5
152.5°	1824.1	1762.8	1755.5	1726.0	1696.6
155°	1853.2	1806.4	1801.0	1779.2	1757.4
157.5°	1882.3	1850.1	1844.8	1823.6	1802.5
160°	1895.5	1870.0	1865.9	1849.4	1832.9
162.5°	1909.7	1891.1	1888.0	1875.7	1863.3
165°	1930.0	1921.5	1918.7	1907.5	1896.4
167.5°	1945.8	1938.7	1937.4	1932.2	1926.9
170°	1959.0	1958.6	1957.3	1952.0	1946.7
172.5°	1959.9	1959.9	1959.7	1958.5	1957.3
175°	1967.9	1971.9	1971.9	1971.9	1971.9
177.5°	1968.8	1971.9	1971.9	1971.9	1971.9
180°	1971.9	1971.9	1971.9	1971.9	1971.9



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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	12.37	13.16	13.39	14.20	15.58	15.22	16.02	16.24	17.05	18.43
	3H	12.84	13.55	13.88	14.59	15.99	16.57	17.28	17.60	18.32	19.72
	4H	13.03	13.70	14.08	14.75	16.15	17.01	17.69	18.06	18.73	20.14
	6H	13.15	13.77	14.20	14.81	16.23	17.30	17.92	18.36	18.97	20.39
	8H	13.14	13.73	14.20	14.80	16.21	17.38	17.97	18.44	19.03	20.44
	12H	13.11	13.67	14.18	14.73	16.17	17.42	17.98	18.48	19.03	20.47
4H	2H	13.40	14.07	14.45	15.12	16.52	15.62	16.30	16.67	17.34	18.75
	3H	14.42	14.98	15.48	16.05	17.47	17.13	17.69	18.19	18.76	20.18
	4H	14.69	15.21	15.76	16.27	17.71	17.66	18.17	18.72	19.23	20.68
	6H	14.81	15.26	15.89	16.34	17.78	18.02	18.47	19.10	19.55	20.99
	8H	14.82	15.23	15.89	16.31	17.76	18.13	18.54	19.21	19.62	21.07
	12H	14.78	15.16	15.88	16.25	17.70	18.19	18.56	19.28	19.65	21.11
8H	4H	15.15	15.56	16.22	16.63	18.09	17.78	18.19	18.85	19.26	20.72
	6H	15.40	15.74	16.50	16.86	18.31	18.21	18.56	19.31	19.67	21.12
	8H	15.45	15.74	16.55	16.85	18.32	18.37	18.67	19.47	19.77	21.24
	12H	15.43	15.69	16.54	16.79	18.30	18.47	18.73	19.58	19.83	21.34
12H	4H	15.15	15.52	16.24	16.61	18.07	17.74	18.11	18.83	19.20	20.66
	6H	15.47	15.76	16.57	16.87	18.34	18.21	18.51	19.32	19.61	21.08
	8H	15.53	15.79	16.64	16.89	18.40	18.37	18.64	19.48	19.73	21.24