

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: P935969

Luminaire Tested: SQ4-FA-150U-075D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935969
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

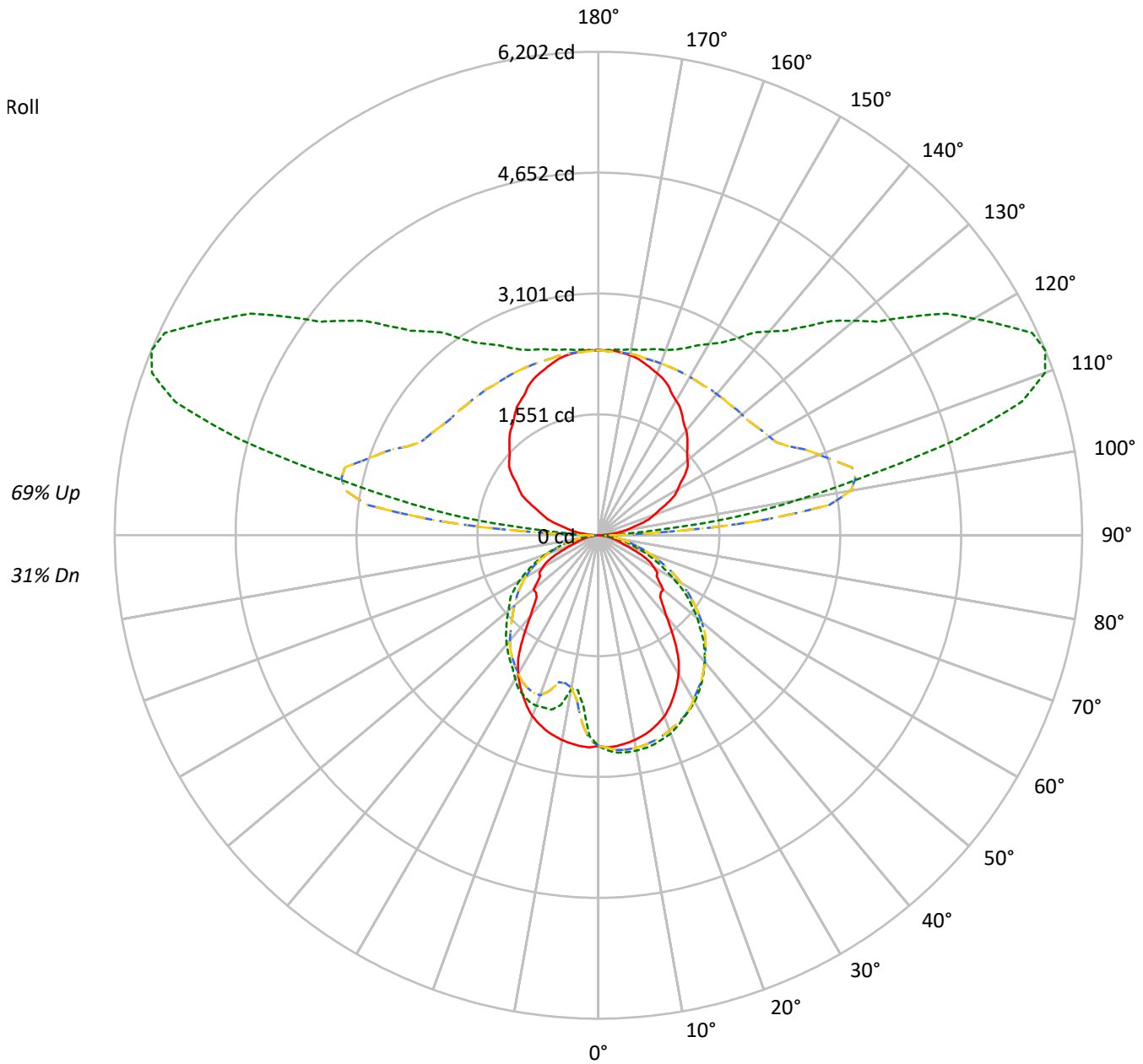
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22412.6 lumens
Efficiency: N/A
Efficacy: 117.5 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: Semi-Indirect

Input Watts (W): 190.8
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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8357	8357	8357	8357
5°	8422	8436	8422	6633
10°	8369	8310	8369	5941
15°	8281	8130	8281	6788
20°	8111	7916	8111	6802
25°	7760	7605	7760	6658
30°	7304	7347	7304	6342
35°	6515	7021	6515	5994
40°	5432	6636	5432	5731
45°	4857	6186	4857	5429
50°	5163	5649	5163	5126
55°	4863	5070	4863	4950
60°	5019	4306	5019	4534
65°	4558	3560	4558	3979
70°	3163	2837	3163	3335
75°	2785	2097	2785	2511
80°	2260	1386	2260	1510
85°	1325	734	1325	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	1.1
10°-20°	692.4	3.1
20°-30°	1070.4	4.8
30°-40°	1277.8	5.7
40°-50°	1285.3	5.7
50°-60°	1118.4	5.0
60°-70°	792.9	3.5
70°-80°	419.5	1.9
80°-90°	113.5	0.5
90°-100°	1157.9	5.2
100°-110°	3044.1	13.6
110°-120°	3156.4	14.1
120°-130°	2531.8	11.3
130°-140°	1986.6	8.9
140°-150°	1524.8	6.8
150°-160°	1098.1	4.9
160°-170°	671.9	3.0
170°-180°	227.0	1.0
0°-30°	2006.7	9.0
0°-40°	3284.5	14.7
0°-60°	5688.2	25.4
0°-90°	7014.1	31.3
90°-120°	7358.3	32.8
90°-150°	13401.5	59.8
90°-180°	15398.0	68.7
0°-180°	22412.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2702	2702	2702	2702	2702	
5°	2715	2799	2715	2201	2715	258
15°	2592	2773	2592	2316	2592	729
25°	2283	2587	2283	2265	2283	1048
35°	1736	2308	1736	1971	1736	1074
45°	1120	1902	1120	1669	1120	897
55°	912	1403	912	1370	912	839
65°	634	846	634	946	634	606
75°	240	401	240	480	240	253
85°	41	102	41	87	41	55
90°	16	61	16	61	16	15
95°	153	700	153	700	153	170
105°	548	4767	548	4767	548	581
115°	974	6138	974	6138	974	962
125°	1355	4888	1355	4888	1355	1203
135°	1615	3793	1615	3793	1615	1249
145°	1873	3077	1873	3077	1873	1174
155°	2117	2650	2117	2650	2117	973
165°	2284	2468	2284	2468	2284	645
175°	2375	2391	2375	2391	2375	225
180°	2375	2375	2375	2375	2375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2724.8	2724.8	2740.1	2745.2	2745.2	2737.6	2729.9	2737.6	2760.6	2768.2	2765.7
5°	2714.6	2735.0	2763.1	2768.2	2773.3	2770.8	2765.7	2770.8	2796.3	2801.5	2804.0
7.5°	2694.1	2732.4	2768.2	2775.9	2783.6	2775.9	2773.3	2778.5	2804.0	2809.1	2809.1
10°	2668.5	2722.2	2763.1	2768.2	2775.9	2768.2	2768.2	2778.5	2804.0	2809.1	2811.7
12.5°	2632.8	2706.9	2745.2	2750.3	2760.6	2758.0	2755.5	2765.7	2791.2	2796.3	2796.3
15°	2591.9	2678.8	2714.6	2719.7	2737.6	2732.4	2732.4	2742.7	2770.8	2778.5	2775.9
17.5°	2535.6	2643.0	2683.9	2691.6	2704.3	2701.8	2704.3	2714.6	2740.1	2745.2	2747.8
20°	2471.7	2594.4	2643.0	2650.7	2663.4	2663.4	2663.4	2676.2	2701.8	2712.0	2712.0
22.5°	2384.8	2543.3	2594.4	2599.5	2614.9	2614.9	2620.0	2637.9	2660.9	2663.4	2663.4
25°	2282.6	2487.1	2530.5	2545.9	2561.2	2568.9	2576.5	2586.8	2594.4	2591.9	2594.4
27.5°	2175.2	2415.5	2471.7	2482.0	2502.4	2510.1	2520.3	2522.9	2525.4	2533.1	2528.0
30°	2055.0	2315.8	2400.2	2410.4	2443.6	2448.7	2438.5	2443.6	2456.4	2461.5	2466.6
32.5°	1919.6	2167.5	2326.0	2349.0	2379.7	2364.4	2361.8	2369.5	2389.9	2389.9	2395.1
35°	1735.5	2052.5	2257.0	2277.5	2300.5	2282.6	2292.8	2295.4	2308.2	2315.8	2313.3
37.5°	1533.6	1952.8	2185.4	2200.7	2218.6	2195.6	2210.9	2218.6	2228.8	2223.7	2223.7
40°	1354.7	1796.9	2101.0	2111.3	2126.6	2108.7	2124.0	2129.1	2134.3	2129.1	2126.6
42.5°	1221.8	1625.6	2011.6	2024.4	2014.1	2026.9	2032.0	2042.2	2034.6	2024.4	2024.4
45°	1119.5	1579.6	1914.4	1929.8	1914.4	1934.9	1942.6	1942.6	1919.6	1914.4	1911.9
47.5°	1086.3	1487.6	1817.3	1817.3	1809.6	1835.2	1848.0	1830.1	1807.1	1799.4	1799.4
50°	1083.7	1385.4	1684.4	1674.2	1710.0	1740.6	1727.9	1710.0	1692.1	1664.0	1664.0
52.5°	984.1	1260.1	1513.2	1551.5	1607.7	1625.6	1605.2	1587.3	1556.6	1543.8	1533.6
55°	912.5	1129.8	1357.2	1433.9	1492.7	1515.7	1477.4	1459.5	1413.5	1405.8	1400.7
57.5°	897.2	940.6	1214.1	1311.2	1382.8	1380.2	1357.2	1324.0	1285.7	1278.0	1275.4
60°	823.0	679.9	1060.7	1175.8	1249.9	1242.2	1221.8	1191.1	1155.3	1150.2	1145.1
62.5°	746.4	493.3	886.9	1017.3	1122.1	1119.5	1101.6	1055.6	1030.1	1017.3	1007.1
65°	633.9	414.1	631.3	846.0	996.8	1002.0	963.6	930.4	902.3	886.9	884.4
67.5°	483.1	337.4	426.9	705.5	876.7	871.6	823.0	807.7	771.9	764.2	748.9
70°	357.8	224.9	296.5	572.5	759.1	746.4	708.0	690.1	656.9	639.0	628.8
72.5°	296.5	181.5	217.3	444.7	639.0	623.7	590.4	570.0	541.9	526.5	516.3
75°	240.3	191.7	166.1	329.7	518.9	508.6	478.0	457.5	434.5	414.1	416.6
77.5°	176.4	178.9	132.9	242.8	411.5	396.2	378.3	352.7	342.5	322.1	322.1
80°	132.9	140.6	99.7	166.1	296.5	296.5	281.2	263.3	245.4	235.2	235.2
82.5°	89.5	89.5	74.1	104.8	201.9	194.3	184.0	178.9	168.7	163.6	163.6
85°	40.9	51.1	46.0	63.9	109.9	115.0	115.0	109.9	107.4	102.2	104.8
87.5°	12.8	23.0	28.1	35.8	56.2	58.8	61.3	61.3	61.3	63.9	63.9
90°	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8	60.6	60.6
92.5°	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3	302.9	290.9
95°	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3	1028.3	991.8
97.5°	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3	2373.8	2304.3
100°	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5	3333.4	3250.7
102.5°	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6	4152.9	4082.0
105°	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0	5109.4	5071.3
107.5°	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8	5606.8	5616.0
110°	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8	5734.3	5774.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2	5653.0	5713.9
115°	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4	5377.2	5461.7
117.5°	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5	4996.2	5089.9
120°	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4	4739.5	4830.6
122.5°	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2	4482.9	4572.7
125°	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5	4143.3	4226.0
127.5°	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6	3870.7	3940.5
130°	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6	3698.5	3763.0
132.5°	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1	3551.9	3609.7
135°	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5	3344.6	3394.4
137.5°	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4	3191.6	3232.3
140°	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9	3068.8	3106.9
142.5°	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5	2982.8	3015.6
145°	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1	2853.6	2878.4
147.5°	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8	2745.2	2765.8
150°	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4	2683.0	2699.6
152.5°	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4	2633.6	2646.2
155°	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1	2574.7	2583.0
157.5°	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1	2523.6	2529.5
160°	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0	2498.1	2501.5
162.5°	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2	2474.2	2477.4
165°	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6	2437.5	2440.9
167.5°	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4	2421.6	2423.0
170°	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4	2421.6	2421.6
172.5°	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9	2408.9	2407.6
175°	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2	2391.3	2391.3
177.5°	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1	2388.1	2386.6
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2770.8	2763.1	2770.8	2765.7	2768.2	2760.6	2737.6	2729.9	2737.6	2745.2	2745.2
5°	2804.0	2798.9	2804.0	2804.0	2801.5	2796.3	2770.8	2765.7	2770.8	2773.3	2768.2
7.5°	2814.2	2806.6	2814.2	2809.1	2809.1	2804.0	2778.5	2773.3	2775.9	2783.6	2775.9
10°	2814.2	2806.6	2814.2	2811.7	2809.1	2804.0	2778.5	2768.2	2768.2	2775.9	2768.2
12.5°	2801.5	2796.3	2801.5	2796.3	2796.3	2791.2	2765.7	2755.5	2758.0	2760.6	2750.3
15°	2781.0	2773.3	2781.0	2775.9	2778.5	2770.8	2742.7	2732.4	2732.4	2737.6	2719.7
17.5°	2750.3	2740.1	2750.3	2747.8	2745.2	2740.1	2714.6	2704.3	2701.8	2704.3	2691.6
20°	2714.6	2706.9	2714.6	2712.0	2712.0	2701.8	2676.2	2663.4	2663.4	2663.4	2650.7
22.5°	2658.3	2650.7	2658.3	2663.4	2663.4	2660.9	2637.9	2620.0	2614.9	2614.9	2599.5
25°	2594.4	2586.8	2594.4	2594.4	2591.9	2594.4	2586.8	2576.5	2568.9	2561.2	2545.9
27.5°	2533.1	2528.0	2533.1	2528.0	2533.1	2525.4	2522.9	2520.3	2510.1	2502.4	2482.0
30°	2471.7	2466.6	2471.7	2466.6	2461.5	2456.4	2443.6	2438.5	2448.7	2443.6	2410.4
32.5°	2395.1	2389.9	2395.1	2395.1	2389.9	2389.9	2369.5	2361.8	2364.4	2379.7	2349.0
35°	2315.8	2308.2	2315.8	2313.3	2315.8	2308.2	2295.4	2292.8	2282.6	2300.5	2277.5
37.5°	2223.7	2216.1	2223.7	2223.7	2223.7	2228.8	2218.6	2210.9	2195.6	2218.6	2200.7
40°	2129.1	2118.9	2129.1	2126.6	2129.1	2134.3	2129.1	2124.0	2108.7	2126.6	2111.3
42.5°	2021.8	2019.2	2021.8	2024.4	2024.4	2034.6	2042.2	2032.0	2026.9	2014.1	2024.4
45°	1906.8	1901.7	1906.8	1911.9	1914.4	1919.6	1942.6	1942.6	1934.9	1914.4	1929.8
47.5°	1784.1	1771.3	1784.1	1799.4	1799.4	1807.1	1830.1	1848.0	1835.2	1809.6	1817.3
50°	1653.7	1656.3	1653.7	1664.0	1664.0	1692.1	1710.0	1727.9	1740.6	1710.0	1674.2
52.5°	1525.9	1523.4	1525.9	1533.6	1543.8	1556.6	1587.3	1605.2	1625.6	1607.7	1551.5
55°	1398.1	1403.2	1398.1	1400.7	1405.8	1413.5	1459.5	1477.4	1515.7	1492.7	1433.9
57.5°	1270.3	1262.7	1270.3	1275.4	1278.0	1285.7	1324.0	1357.2	1380.2	1382.8	1311.2
60°	1122.1	1111.9	1122.1	1145.1	1150.2	1155.3	1191.1	1221.8	1242.2	1249.9	1175.8
62.5°	991.7	973.8	991.7	1007.1	1017.3	1030.1	1055.6	1101.6	1119.5	1122.1	1017.3
65°	853.7	846.0	853.7	884.4	886.9	902.3	930.4	963.6	1002.0	996.8	846.0
67.5°	728.5	728.5	728.5	748.9	764.2	771.9	807.7	823.0	871.6	876.7	705.5
70°	613.4	610.9	613.4	628.8	639.0	656.9	690.1	708.0	746.4	759.1	572.5
72.5°	503.5	501.0	503.5	516.3	526.5	541.9	570.0	590.4	623.7	639.0	444.7
75°	406.4	401.3	406.4	416.6	414.1	434.5	457.5	478.0	508.6	518.9	329.7
77.5°	311.8	311.8	311.8	322.1	322.1	342.5	352.7	378.3	396.2	411.5	242.8
80°	232.6	230.0	232.6	235.2	235.2	245.4	263.3	281.2	296.5	296.5	166.1
82.5°	163.6	158.5	163.6	163.6	163.6	168.7	178.9	184.0	194.3	201.9	104.8
85°	102.2	102.2	102.2	104.8	102.2	107.4	109.9	115.0	115.0	109.9	63.9
87.5°	66.5	63.9	66.5	63.9	63.9	61.3	61.3	61.3	58.8	56.2	35.8
90°	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1	70.1	44.6
92.5°	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0	432.6	307.7
95°	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4	1064.4	599.4
97.5°	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5	1433.7	658.4
100°	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2	1568.2	707.8
102.5°	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2	1629.8	757.3
105°	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1	1675.5	830.6
107.5°	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3	1684.0	939.0
110°	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8	1671.3	999.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3	1671.8	1072.9
115°	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6	1687.2	1182.9
117.5°	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3	1718.5	1289.7
120°	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9	1744.0	1351.9
122.5°	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7	1780.8	1425.2
125°	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7	1830.2	1519.3
127.5°	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8	1879.5	1610.1
130°	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3	1915.6	1670.7
132.5°	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6	1944.9	1720.1
135°	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5	1976.8	1777.5
137.5°	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3	2024.6	1850.9
140°	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6	2053.8	1900.3
142.5°	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7	2078.3	1936.9
145°	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7	2110.1	1992.7
147.5°	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3	2156.9	2062.9
150°	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5	2181.4	2099.6
152.5°	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8	2197.3	2123.4
155°	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5	2232.4	2176.1
157.5°	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1	2267.4	2228.7
160°	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5	2283.4	2252.6
162.5°	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1	2300.4	2278.1
165°	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3	2324.9	2314.8
167.5°	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4	2344.0	2335.5
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6	2360.0	2359.4
172.5°	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2	2370.6	2375.4
177.5°	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7	2371.6	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2740.1	2724.8	2724.8	2699.2	2689.0	2681.3	2668.5	2630.2	2620.0	2609.8	2625.1
5°	2763.1	2735.0	2714.6	2668.5	2630.2	2614.9	2566.3	2474.3	2412.9	2366.9	2341.4
7.5°	2768.2	2732.4	2694.1	2622.5	2530.5	2489.6	2341.4	2172.6	2126.6	2085.7	2060.1
10°	2763.1	2722.2	2668.5	2561.2	2343.9	2272.4	2124.0	2014.1	1986.0	1978.3	1986.0
12.5°	2745.2	2706.9	2632.8	2453.8	2149.6	2101.0	2014.1	1950.2	1945.1	1957.9	2026.9
15°	2714.6	2678.8	2591.9	2310.7	2042.2	2006.5	1945.1	1922.1	1950.2	2039.7	2246.7
17.5°	2683.9	2643.0	2535.6	2170.0	1960.5	1934.9	1891.4	1937.4	2095.9	2216.1	2285.1
20°	2643.0	2594.4	2471.7	2067.8	1901.7	1878.7	1858.2	2065.2	2185.4	2228.8	2267.3
22.5°	2594.4	2543.3	2384.8	1996.2	1840.3	1822.4	1835.2	2136.8	2185.4	2216.1	2249.3
25°	2530.5	2487.1	2282.6	1940.0	1791.8	1771.3	1819.9	2129.1	2157.3	2164.9	2231.4
27.5°	2471.7	2415.5	2175.2	1888.9	1733.0	1725.3	1832.7	2095.9	2116.4	2124.0	2195.6
30°	2400.2	2315.8	2055.0	1835.2	1671.6	1669.1	1835.2	2055.0	2049.9	2070.4	2141.9
32.5°	2326.0	2167.5	1919.6	1768.8	1612.8	1610.3	1817.3	1993.7	1988.6	2016.7	2070.4
35°	2257.0	2052.5	1735.5	1692.1	1538.7	1541.3	1773.9	1922.1	1924.7	1950.2	1983.5
37.5°	2185.4	1952.8	1533.6	1607.7	1467.1	1467.1	1715.1	1855.7	1850.5	1858.2	1904.2
40°	2101.0	1796.9	1354.7	1497.8	1400.7	1393.0	1643.5	1784.1	1766.2	1763.6	1827.5
42.5°	2011.6	1625.6	1221.8	1352.1	1324.0	1313.8	1556.6	1697.2	1664.0	1671.6	1753.4
45°	1914.4	1579.6	1119.5	1142.5	1244.8	1237.1	1462.0	1597.5	1574.5	1594.9	1679.3
47.5°	1817.3	1487.6	1086.3	948.3	1160.4	1157.9	1357.2	1500.4	1487.6	1508.0	1597.5
50°	1684.4	1385.4	1083.7	812.8	1065.9	1076.1	1232.0	1405.8	1405.8	1423.7	1518.3
52.5°	1513.2	1260.1	984.1	736.1	955.9	986.6	1122.1	1324.0	1329.1	1347.0	1431.4
55°	1357.2	1129.8	912.5	677.3	825.6	892.0	1014.7	1239.7	1249.9	1267.8	1344.5
57.5°	1214.1	940.6	897.2	608.3	705.5	769.4	920.2	1157.9	1163.0	1178.3	1252.4
60°	1060.7	679.9	823.0	534.2	600.7	649.2	833.3	1060.7	1078.6	1088.9	1152.8
62.5°	886.9	493.3	746.4	483.1	549.5	559.8	761.7	968.7	991.7	999.4	1037.7
65°	631.3	414.1	633.9	439.6	495.9	498.4	685.0	874.2	894.6	907.4	935.5
67.5°	426.9	337.4	483.1	398.7	455.0	457.5	610.9	764.2	792.4	802.6	820.5
70°	296.5	224.9	357.8	355.3	409.0	414.1	531.6	664.6	690.1	697.8	708.0
72.5°	217.3	181.5	296.5	319.5	360.4	365.5	449.9	552.1	577.7	585.3	590.4
75°	166.1	191.7	240.3	278.6	306.7	309.3	368.1	449.9	467.7	472.9	475.4
77.5°	132.9	178.9	176.4	224.9	250.5	245.4	288.8	347.6	363.0	363.0	363.0
80°	99.7	140.6	132.9	161.0	184.0	178.9	207.0	247.9	253.0	258.2	255.6
82.5°	74.1	89.5	89.5	102.2	122.7	117.6	138.0	161.0	161.0	161.0	166.1
85°	46.0	51.1	40.9	53.7	69.0	66.5	76.7	86.9	89.5	89.5	84.3
87.5°	28.1	23.0	12.8	20.4	30.7	30.7	35.8	38.3	35.8	35.8	35.8
90°	41.5	28.7	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8
92.5°	280.6	172.1	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3
95°	549.8	351.4	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3
97.5°	614.6	439.6	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3
100°	668.1	509.4	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5
102.5°	720.2	572.1	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6
105°	799.3	673.8	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0
107.5°	909.8	792.9	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8
110°	973.2	867.6	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1047.8	947.2	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2
115°	1159.7	1066.9	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4
117.5°	1268.6	1184.3	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5
120°	1332.0	1252.7	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4
122.5°	1405.2	1325.1	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2
125°	1501.1	1428.0	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5
127.5°	1591.7	1518.0	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6
130°	1650.8	1571.5	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6
132.5°	1700.3	1620.9	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1
135°	1759.5	1687.1	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5
137.5°	1833.0	1761.4	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4
140°	1883.9	1817.9	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9
142.5°	1921.7	1860.8	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5
145°	1979.5	1926.4	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1
147.5°	2049.9	1998.2	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8
150°	2087.9	2041.1	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4
152.5°	2114.6	2079.2	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4
155°	2169.5	2143.4	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1
157.5°	2222.3	2196.8	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1
160°	2247.7	2227.8	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0
162.5°	2274.3	2259.5	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2
165°	2311.4	2297.9	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6
167.5°	2333.9	2327.6	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4
170°	2357.8	2351.4	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4
172.5°	2360.6	2359.2	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9
175°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2
177.5°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2607.2	2599.5	2609.8	2581.6	2609.8	2599.5	2607.2	2625.1	2609.8	2620.0	2630.2
5°	2287.7	2274.9	2233.9	2200.7	2233.9	2274.9	2287.7	2341.4	2366.9	2412.9	2474.3
7.5°	2044.8	2034.6	2024.4	2003.9	2024.4	2034.6	2044.8	2060.1	2085.7	2126.6	2172.6
10°	1991.1	1993.7	2009.0	2006.5	2009.0	1993.7	1991.1	1986.0	1978.3	1986.0	2014.1
12.5°	2129.1	2152.2	2236.5	2231.4	2236.5	2152.2	2129.1	2026.9	1957.9	1945.1	1950.2
15°	2287.7	2295.4	2313.3	2315.8	2313.3	2295.4	2287.7	2246.7	2039.7	1950.2	1922.1
17.5°	2303.0	2305.6	2318.4	2318.4	2318.4	2305.6	2303.0	2285.1	2216.1	2095.9	1937.4
20°	2290.3	2295.4	2320.9	2326.0	2320.9	2295.4	2290.3	2267.3	2228.8	2185.4	2065.2
22.5°	2285.1	2295.4	2315.8	2313.3	2315.8	2295.4	2285.1	2249.3	2216.1	2185.4	2136.8
25°	2259.6	2259.6	2262.1	2264.7	2262.1	2259.6	2259.6	2231.4	2164.9	2157.3	2129.1
27.5°	2205.8	2210.9	2226.3	2223.7	2226.3	2210.9	2205.8	2195.6	2124.0	2116.4	2095.9
30°	2157.3	2152.2	2139.4	2129.1	2139.4	2152.2	2157.3	2141.9	2070.4	2049.9	2055.0
32.5°	2075.5	2062.7	2049.9	2042.2	2049.9	2062.7	2075.5	2070.4	2016.7	1988.6	1993.7
35°	1978.3	1980.9	1978.3	1970.7	1978.3	1980.9	1978.3	1983.5	1950.2	1924.7	1922.1
37.5°	1909.3	1914.4	1911.9	1901.7	1911.9	1914.4	1909.3	1904.2	1858.2	1850.5	1855.7
40°	1837.8	1840.3	1837.8	1830.1	1837.8	1840.3	1837.8	1827.5	1763.6	1766.2	1784.1
42.5°	1768.8	1766.2	1758.5	1753.4	1758.5	1766.2	1768.8	1753.4	1671.6	1664.0	1697.2
45°	1689.5	1692.1	1676.7	1669.1	1676.7	1692.1	1689.5	1679.3	1594.9	1574.5	1597.5
47.5°	1610.3	1610.3	1597.5	1589.8	1597.5	1610.3	1610.3	1597.5	1508.0	1487.6	1500.4
50°	1525.9	1523.4	1505.5	1502.9	1505.5	1523.4	1525.9	1518.3	1423.7	1405.8	1405.8
52.5°	1428.8	1428.8	1431.4	1436.5	1431.4	1428.8	1428.8	1431.4	1347.0	1329.1	1324.0
55°	1344.5	1347.0	1364.9	1370.0	1364.9	1347.0	1344.5	1344.5	1267.8	1249.9	1239.7
57.5°	1257.6	1257.6	1270.3	1270.3	1270.3	1257.6	1257.6	1252.4	1178.3	1163.0	1157.9
60°	1157.9	1163.0	1173.2	1170.6	1173.2	1163.0	1157.9	1152.8	1088.9	1078.6	1060.7
62.5°	1053.1	1058.2	1060.7	1055.6	1060.7	1058.2	1053.1	1037.7	999.4	991.7	968.7
65°	943.2	948.3	950.8	945.7	950.8	948.3	943.2	935.5	907.4	894.6	874.2
67.5°	830.7	828.1	825.6	835.8	825.6	828.1	830.7	820.5	802.6	792.4	764.2
70°	715.7	715.7	713.1	718.2	713.1	715.7	715.7	708.0	697.8	690.1	664.6
72.5°	593.0	590.4	600.7	593.0	600.7	590.4	593.0	590.4	585.3	577.7	552.1
75°	472.9	478.0	472.9	480.5	472.9	478.0	472.9	475.4	472.9	467.7	449.9
77.5°	360.4	365.5	360.4	360.4	360.4	365.5	360.4	363.0	363.0	363.0	347.6
80°	255.6	253.0	253.0	250.5	253.0	253.0	255.6	255.6	258.2	253.0	247.9
82.5°	163.6	161.0	161.0	166.1	161.0	161.0	163.6	166.1	161.0	161.0	161.0
85°	89.5	92.0	86.9	86.9	86.9	92.0	89.5	84.3	89.5	89.5	86.9
87.5°	33.2	30.7	30.7	30.7	30.7	30.7	33.2	35.8	35.8	35.8	38.3
90°	60.6	60.6	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1
92.5°	302.9	290.9	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0
95°	1028.3	991.8	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4
97.5°	2373.8	2304.3	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5
100°	3333.4	3250.7	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2
102.5°	4152.9	4082.0	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2
105°	5109.4	5071.3	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1
107.5°	5606.8	5616.0	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3
110°	5734.3	5774.0	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5653.0	5713.9	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3
115°	5377.2	5461.7	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6
117.5°	4996.2	5089.9	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3
120°	4739.5	4830.6	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9
122.5°	4482.9	4572.7	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7
125°	4143.3	4226.0	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7
127.5°	3870.7	3940.5	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8
130°	3698.5	3763.0	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3
132.5°	3551.9	3609.7	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6
135°	3344.6	3394.4	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5
137.5°	3191.6	3232.3	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3
140°	3068.8	3106.9	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6
142.5°	2982.8	3015.6	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7
145°	2853.6	2878.4	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7
147.5°	2745.2	2765.8	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3
150°	2683.0	2699.6	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5
152.5°	2633.6	2646.2	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8
155°	2574.7	2583.0	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5
157.5°	2523.6	2529.5	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1
160°	2498.1	2501.5	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5
162.5°	2474.2	2477.4	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1
165°	2437.5	2440.9	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3
167.5°	2421.6	2423.0	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6
172.5°	2408.9	2407.6	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2
177.5°	2388.1	2386.6	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2668.5	2681.3	2689.0	2699.2	2724.8
5°	2566.3	2614.9	2630.2	2668.5	2714.6
7.5°	2341.4	2489.6	2530.5	2622.5	2694.1
10°	2124.0	2272.4	2343.9	2561.2	2668.5
12.5°	2014.1	2101.0	2149.6	2453.8	2632.8
15°	1945.1	2006.5	2042.2	2310.7	2591.9
17.5°	1891.4	1934.9	1960.5	2170.0	2535.6
20°	1858.2	1878.7	1901.7	2067.8	2471.7
22.5°	1835.2	1822.4	1840.3	1996.2	2384.8
25°	1819.9	1771.3	1791.8	1940.0	2282.6
27.5°	1832.7	1725.3	1733.0	1888.9	2175.2
30°	1835.2	1669.1	1671.6	1835.2	2055.0
32.5°	1817.3	1610.3	1612.8	1768.8	1919.6
35°	1773.9	1541.3	1538.7	1692.1	1735.5
37.5°	1715.1	1467.1	1467.1	1607.7	1533.6
40°	1643.5	1393.0	1400.7	1497.8	1354.7
42.5°	1556.6	1313.8	1324.0	1352.1	1221.8
45°	1462.0	1237.1	1244.8	1142.5	1119.5
47.5°	1357.2	1157.9	1160.4	948.3	1086.3
50°	1232.0	1076.1	1065.9	812.8	1083.7
52.5°	1122.1	986.6	955.9	736.1	984.1
55°	1014.7	892.0	825.6	677.3	912.5
57.5°	920.2	769.4	705.5	608.3	897.2
60°	833.3	649.2	600.7	534.2	823.0
62.5°	761.7	559.8	549.5	483.1	746.4
65°	685.0	498.4	495.9	439.6	633.9
67.5°	610.9	457.5	455.0	398.7	483.1
70°	531.6	414.1	409.0	355.3	357.8
72.5°	449.9	365.5	360.4	319.5	296.5
75°	368.1	309.3	306.7	278.6	240.3
77.5°	288.8	245.4	250.5	224.9	176.4
80°	207.0	178.9	184.0	161.0	132.9
82.5°	138.0	117.6	122.7	102.2	89.5
85°	76.7	66.5	69.0	53.7	40.9
87.5°	35.8	30.7	30.7	20.4	12.8
90°	70.1	44.6	41.5	28.7	15.9
92.5°	432.6	307.7	280.6	172.1	63.7
95°	1064.4	599.4	549.8	351.4	153.0
97.5°	1433.7	658.4	614.6	439.6	264.6
100°	1568.2	707.8	668.1	509.4	350.7
102.5°	1629.8	757.3	720.2	572.1	424.0
105°	1675.5	830.6	799.3	673.8	548.4
107.5°	1684.0	939.0	909.8	792.9	676.0
110°	1671.3	999.6	973.2	867.6	762.0



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CATALOG NUMBER: SQ4-FA-150U-075D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1671.8	1072.9	1047.8	947.2	846.5
115°	1687.2	1182.9	1159.7	1066.9	974.1
117.5°	1718.5	1289.7	1268.6	1184.3	1100.0
120°	1744.0	1351.9	1332.0	1252.7	1173.3
122.5°	1780.8	1425.2	1405.2	1325.1	1245.0
125°	1830.2	1519.3	1501.1	1428.0	1355.1
127.5°	1879.5	1610.1	1591.7	1518.0	1444.3
130°	1915.6	1670.7	1650.8	1571.5	1492.2
132.5°	1944.9	1720.1	1700.3	1620.9	1541.6
135°	1976.8	1777.5	1759.5	1687.1	1614.9
137.5°	2024.6	1850.9	1833.0	1761.4	1689.9
140°	2053.8	1900.3	1883.9	1817.9	1752.1
142.5°	2078.3	1936.9	1921.7	1860.8	1799.8
145°	2110.1	1992.7	1979.5	1926.4	1873.2
147.5°	2156.9	2062.9	2049.9	1998.2	1946.5
150°	2181.4	2099.6	2087.9	2041.1	1994.4
152.5°	2197.3	2123.4	2114.6	2079.2	2043.8
155°	2232.4	2176.1	2169.5	2143.4	2117.1
157.5°	2267.4	2228.7	2222.3	2196.8	2171.3
160°	2283.4	2252.6	2247.7	2227.8	2208.0
162.5°	2300.4	2278.1	2274.3	2259.5	2244.6
165°	2324.9	2314.8	2311.4	2297.9	2284.5
167.5°	2344.0	2335.5	2333.9	2327.6	2321.2
170°	2360.0	2359.4	2357.8	2351.4	2345.0
172.5°	2361.0	2361.0	2360.6	2359.2	2357.8
175°	2370.6	2375.4	2375.4	2375.4	2375.4
177.5°	2371.6	2375.4	2375.4	2375.4	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4



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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	10.15	10.86	11.25	11.96	13.48	13.00	13.71	14.10	14.81	16.33
	3H	10.61	11.25	11.73	12.36	13.89	14.34	14.98	15.45	16.09	17.62
	4H	10.80	11.41	11.92	12.51	14.05	14.78	15.39	15.90	16.50	18.04
	6H	10.91	11.47	12.04	12.58	14.13	15.06	15.62	16.19	16.73	18.28
	8H	10.91	11.44	12.04	12.56	14.11	15.14	15.67	16.27	16.80	18.34
	12H	10.87	11.38	12.01	12.50	14.06	15.17	15.68	16.31	16.80	18.37
4H	2H	11.17	11.77	12.30	12.88	14.42	13.39	14.00	14.52	15.11	16.64
	3H	12.18	12.69	13.32	13.82	15.37	14.89	15.39	16.02	16.53	18.08
	4H	12.45	12.92	13.59	14.04	15.61	15.41	15.88	16.55	17.00	18.57
	6H	12.57	12.97	13.71	14.11	15.67	15.78	16.18	16.92	17.32	18.88
	8H	12.57	12.94	13.71	14.08	15.66	15.88	16.25	17.03	17.39	18.97
	12H	12.53	12.87	13.69	14.02	15.60	15.94	16.27	17.10	17.42	19.01
8H	4H	12.90	13.27	14.04	14.41	15.98	15.53	15.90	16.67	17.04	18.62
	6H	13.15	13.46	14.32	14.64	16.21	15.96	16.27	17.13	17.45	19.02
	8H	13.19	13.46	14.36	14.62	16.22	16.12	16.38	17.29	17.54	19.14
	12H	13.17	13.41	14.34	14.56	16.19	16.21	16.45	17.39	17.60	19.23
12H	4H	12.90	13.23	14.06	14.38	15.97	15.48	15.82	16.64	16.97	18.55
	6H	13.21	13.48	14.38	14.64	16.24	15.96	16.23	17.13	17.39	18.98
	8H	13.27	13.51	14.45	14.66	16.29	16.12	16.35	17.29	17.51	19.14