

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: P935930

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935930
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-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

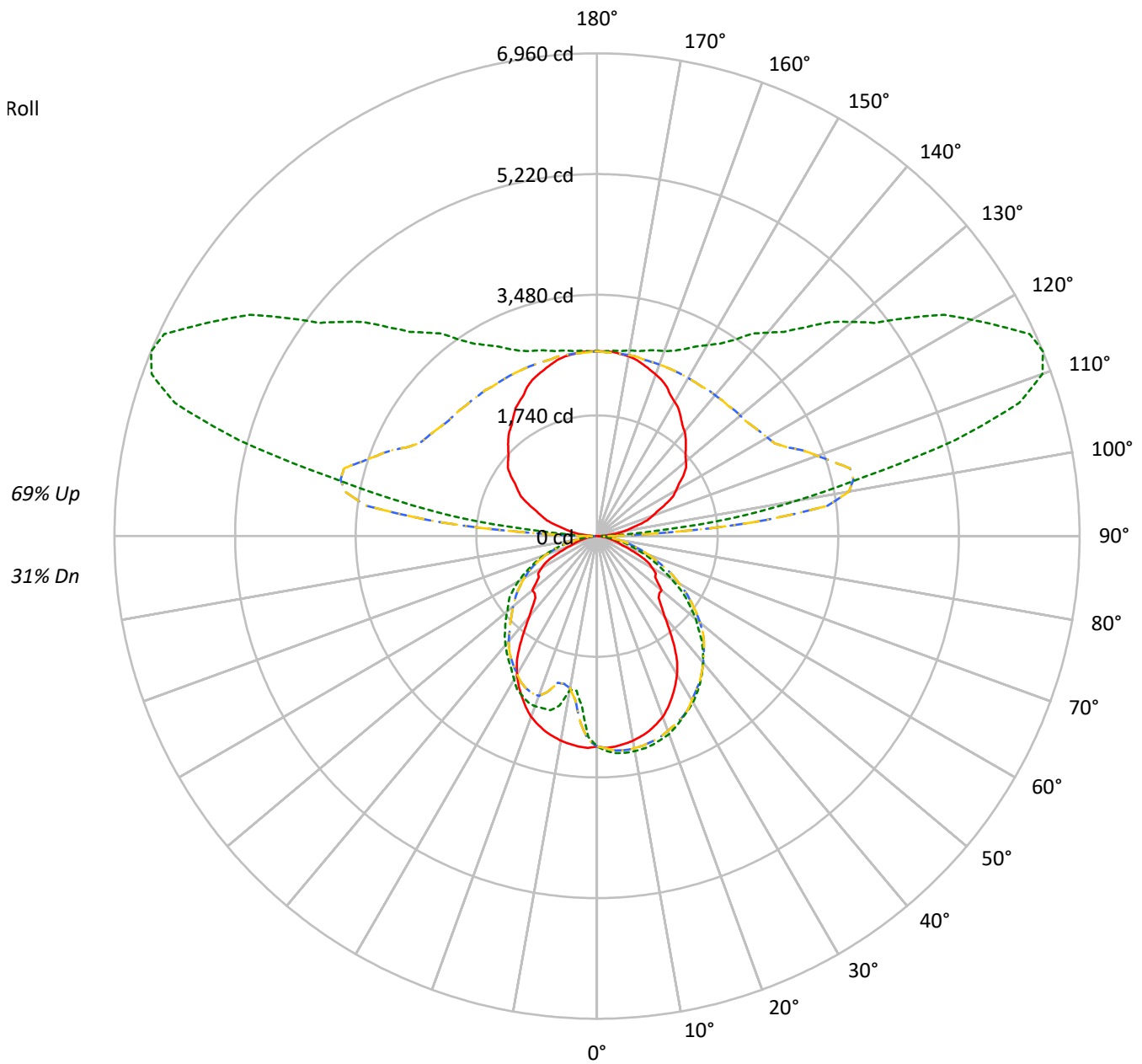
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25153.5 lumens
Efficiency: N/A
Efficacy: 131.8 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	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9379	9379	9379	9379
5°	9452	9467	9452	7444
10°	9393	9326	9393	6667
15°	9294	9124	9294	7619
20°	9103	8884	9103	7635
25°	8709	8535	8709	7473
30°	8198	8246	8198	7117
35°	7312	7879	7312	6727
40°	6096	7447	6096	6432
45°	5450	6942	5450	6093
50°	5795	6339	5795	5752
55°	5458	5690	5458	5556
60°	5633	4833	5633	5088
65°	5115	3995	5115	4466
70°	3551	3184	3551	3743
75°	3125	2354	3125	2818
80°	2538	1556	2538	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8349 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.1
10°-20°	777.1	3.1
20°-30°	1201.3	4.8
30°-40°	1434.1	5.7
40°-50°	1442.5	5.7
50°-60°	1255.1	5.0
60°-70°	889.9	3.5
70°-80°	470.8	1.9
80°-90°	127.4	0.5
90°-100°	1299.5	5.2
100°-110°	3416.4	13.6
110°-120°	3542.4	14.1
120°-130°	2841.4	11.3
130°-140°	2229.5	8.9
140°-150°	1711.2	6.8
150°-160°	1232.4	4.9
160°-170°	754.0	3.0
170°-180°	254.8	1.0
0°-30°	2252.1	9.0
0°-40°	3686.2	14.7
0°-60°	6383.8	25.4
0°-90°	7871.9	31.3
90°-120°	8258.2	32.8
90°-150°	15040.4	59.8
90°-180°	17282.0	68.7
0°-180°	25153.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2470	3046	289
15°	2909	3112	2909	2599	2909	818
25°	2562	2903	2562	2542	2562	1176
35°	1948	2590	1948	2212	1948	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1575	1024	1538	1024	941
65°	711	950	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	18	68	18	68	18	17
95°	172	785	172	785	172	191
105°	616	5350	616	5350	616	652
115°	1093	6888	1093	6888	1093	1080
125°	1521	5486	1521	5486	1521	1350
135°	1812	4256	1812	4256	1812	1402
145°	2102	3453	2102	3453	2102	1317
155°	2376	2974	2376	2974	2376	1092
165°	2564	2770	2564	2770	2564	724
175°	2666	2684	2666	2684	2666	253
180°	2666	2666	2666	2666	2666	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3058.0	3058.0	3075.2	3080.9	3080.9	3072.3	3063.7	3072.3	3098.2	3106.8	3103.9
5°	3046.5	3069.5	3101.0	3106.8	3112.5	3109.6	3103.9	3109.6	3138.3	3144.1	3146.9
7.5°	3023.6	3066.6	3106.8	3115.4	3124.0	3115.4	3112.5	3118.2	3146.9	3152.7	3152.7
10°	2994.9	3055.1	3101.0	3106.8	3115.4	3106.8	3106.8	3118.2	3146.9	3152.7	3155.5
12.5°	2954.7	3037.9	3080.9	3086.7	3098.2	3095.3	3092.4	3103.9	3132.6	3138.3	3138.3
15°	2908.8	3006.4	3046.5	3052.3	3072.3	3066.6	3066.6	3078.1	3109.6	3118.2	3115.4
17.5°	2845.7	2966.2	3012.1	3020.7	3035.1	3032.2	3035.1	3046.5	3075.2	3080.9	3083.8
20°	2774.0	2911.7	2966.2	2974.8	2989.2	2989.2	2989.2	3003.5	3032.2	3043.7	3043.7
22.5°	2676.5	2854.3	2911.7	2917.4	2934.7	2934.7	2940.4	2960.5	2986.3	2989.2	2989.2
25°	2561.7	2791.2	2840.0	2857.2	2874.4	2883.0	2891.6	2903.1	2911.7	2908.8	2911.7
27.5°	2441.2	2710.9	2774.0	2785.5	2808.4	2817.0	2828.5	2831.4	2834.3	2842.9	2837.1
30°	2306.3	2599.0	2693.7	2705.2	2742.5	2748.2	2736.7	2742.5	2756.8	2762.5	2768.3
32.5°	2154.3	2432.6	2610.5	2636.3	2670.7	2653.5	2650.7	2659.3	2682.2	2682.2	2688.0
35°	1947.8	2303.5	2533.1	2556.0	2581.8	2561.7	2573.2	2576.1	2590.4	2599.0	2596.2
37.5°	1721.1	2191.6	2452.6	2469.8	2489.9	2464.1	2481.3	2489.9	2501.4	2495.7	2495.7
40°	1520.3	2016.6	2358.0	2369.4	2386.7	2366.6	2383.8	2389.5	2395.3	2389.5	2386.7
42.5°	1371.2	1824.4	2257.6	2271.9	2260.4	2274.8	2280.5	2292.0	2283.4	2271.9	2271.9
45°	1256.4	1772.8	2148.6	2165.8	2148.6	2171.5	2180.1	2180.1	2154.3	2148.6	2145.7
47.5°	1219.1	1669.5	2039.6	2039.6	2031.0	2059.6	2074.0	2053.9	2028.1	2019.5	2019.5
50°	1216.3	1554.8	1890.4	1878.9	1919.1	1953.5	1939.2	1919.1	1899.0	1867.4	1867.4
52.5°	1104.4	1414.2	1698.2	1741.2	1804.3	1824.4	1801.5	1781.4	1747.0	1732.6	1721.1
55°	1024.1	1267.9	1523.2	1609.3	1675.3	1701.1	1658.0	1638.0	1586.3	1577.7	1572.0
57.5°	1006.9	1055.6	1362.6	1471.6	1551.9	1549.0	1523.2	1485.9	1442.9	1434.3	1431.4
60°	923.7	763.0	1190.5	1319.5	1402.7	1394.1	1371.2	1336.8	1296.6	1290.9	1285.1
62.5°	837.6	553.6	995.4	1141.7	1259.3	1256.4	1236.4	1184.7	1156.0	1141.7	1130.2
65°	711.4	464.7	708.5	949.5	1118.7	1124.5	1081.5	1044.2	1012.6	995.4	992.5
67.5°	542.2	378.7	479.1	791.7	983.9	978.2	923.7	906.5	866.3	857.7	840.5
70°	401.6	252.4	332.8	642.6	852.0	837.6	794.6	774.5	737.2	717.1	705.7
72.5°	332.8	203.7	243.8	499.1	717.1	699.9	662.6	639.7	608.1	590.9	579.5
75°	269.6	215.1	186.5	370.0	582.3	570.8	536.4	513.5	487.7	464.7	467.6
77.5°	197.9	200.8	149.2	272.5	461.8	444.6	424.5	395.9	384.4	361.4	361.4
80°	149.2	157.8	111.9	186.5	332.8	332.8	315.5	295.5	275.4	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.6	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	17.9	32.2	46.6	50.1	78.7	116.8	136.0	120.9	90.6	68.0	68.0
92.5°	71.5	193.2	314.9	345.3	485.5	672.3	765.7	671.1	481.8	339.9	326.4
95°	171.7	394.3	617.0	672.7	1194.6	1890.4	2238.3	1997.3	1515.5	1154.0	1113.1
97.5°	297.0	493.4	689.8	738.9	1609.1	2769.2	3349.3	3197.0	2892.5	2664.0	2586.1
100°	393.6	571.7	749.8	794.4	1760.0	3047.3	3691.0	3702.1	3724.4	3741.1	3648.3
102.5°	475.9	642.1	808.3	849.9	1829.1	3134.8	3787.7	3981.7	4369.7	4660.8	4581.2
105°	615.5	756.3	897.0	932.2	1880.4	3144.7	3776.9	4211.8	5081.8	5734.2	5691.5
107.5°	758.6	889.8	1021.0	1053.8	1889.9	3004.7	3562.2	4168.9	5382.3	6292.4	6302.7
110°	855.2	973.7	1092.2	1121.8	1875.7	2880.7	3383.3	4061.6	5418.2	6435.6	6480.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	950.1	1063.0	1175.9	1204.1	1876.2	2772.4	3220.5	3914.7	5303.0	6344.3	6412.7
115°	1093.2	1197.3	1301.6	1327.6	1893.5	2648.2	3025.5	3694.3	5031.7	6034.8	6129.7
117.5°	1234.5	1329.1	1423.8	1447.4	1928.6	2570.3	2891.2	3494.8	4701.9	5607.2	5712.4
120°	1316.8	1405.9	1494.9	1517.2	1957.3	2544.1	2837.6	3389.0	4491.9	5319.1	5421.3
122.5°	1397.3	1487.2	1577.0	1599.5	1998.5	2530.5	2796.5	3293.0	4286.2	5031.1	5131.9
125°	1520.8	1602.7	1684.6	1705.1	2054.0	2519.2	2751.7	3173.6	4017.3	4650.0	4742.8
127.5°	1620.9	1703.6	1786.4	1807.0	2109.4	2512.6	2714.2	3076.4	3800.8	4344.1	4422.4
130°	1674.7	1763.7	1852.7	1875.0	2149.9	2516.5	2699.8	3022.2	3667.2	4150.8	4223.2
132.5°	1730.1	1819.2	1908.2	1930.5	2182.7	2519.1	2687.3	2976.0	3553.3	3986.3	4051.1
135°	1812.4	1893.5	1974.6	1994.9	2218.6	2516.8	2665.9	2907.6	3391.0	3753.6	3809.5
137.5°	1896.5	1976.8	2057.2	2077.2	2272.2	2532.2	2662.2	2866.6	3275.3	3581.9	3627.6
140°	1966.3	2040.2	2114.2	2132.7	2305.0	2534.8	2649.7	2826.2	3179.3	3444.1	3486.9
142.5°	2020.0	2088.3	2156.7	2173.8	2332.4	2544.0	2649.7	2804.8	3114.9	3347.5	3384.3
145°	2102.3	2162.0	2221.5	2236.4	2368.2	2544.0	2631.8	2758.6	3012.3	3202.6	3230.4
147.5°	2184.5	2242.6	2300.6	2315.1	2420.7	2561.4	2631.8	2731.7	2931.2	3080.9	3104.0
150°	2238.3	2290.8	2343.2	2356.3	2448.1	2570.6	2631.8	2716.2	2884.7	3011.1	3029.8
152.5°	2293.7	2333.5	2373.2	2383.1	2466.0	2576.6	2631.8	2703.8	2847.7	2955.7	2969.8
155°	2376.0	2405.5	2434.8	2442.2	2505.4	2589.7	2631.8	2689.1	2803.7	2889.5	2898.9
157.5°	2436.9	2465.4	2494.0	2501.2	2544.7	2602.8	2631.8	2676.4	2765.4	2832.2	2838.8
160°	2478.0	2500.3	2522.5	2528.1	2562.7	2608.8	2631.8	2670.0	2746.3	2803.6	2807.4
162.5°	2519.1	2535.8	2552.5	2556.7	2581.7	2615.1	2631.8	2664.0	2728.5	2776.8	2780.3
165°	2563.8	2578.9	2594.1	2597.9	2609.2	2624.3	2631.8	2654.9	2701.0	2735.6	2739.4
167.5°	2605.1	2612.2	2619.3	2621.1	2630.7	2643.4	2649.7	2664.8	2695.0	2717.7	2719.3
170°	2631.8	2639.0	2646.2	2648.0	2648.6	2649.3	2649.7	2664.8	2695.0	2717.7	2717.7
172.5°	2646.2	2647.7	2649.3	2649.7	2649.7	2649.7	2649.7	2661.7	2685.6	2703.4	2702.0
175°	2665.9	2665.9	2665.9	2665.9	2660.5	2653.3	2649.7	2657.3	2672.4	2683.7	2683.7
177.5°	2665.9	2665.9	2665.9	2665.9	2661.7	2656.1	2653.3	2659.3	2671.2	2680.1	2678.5
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3109.6	3101.0	3109.6	3103.9	3106.8	3098.2	3072.3	3063.7	3072.3	3080.9	3080.9
5°	3146.9	3141.2	3146.9	3146.9	3144.1	3138.3	3109.6	3103.9	3109.6	3112.5	3106.8
7.5°	3158.4	3149.8	3158.4	3152.7	3152.7	3146.9	3118.2	3112.5	3115.4	3124.0	3115.4
10°	3158.4	3149.8	3158.4	3155.5	3152.7	3146.9	3118.2	3106.8	3106.8	3115.4	3106.8
12.5°	3144.1	3138.3	3144.1	3138.3	3138.3	3132.6	3103.9	3092.4	3095.3	3098.2	3086.7
15°	3121.1	3112.5	3121.1	3115.4	3118.2	3109.6	3078.1	3066.6	3066.6	3072.3	3052.3
17.5°	3086.7	3075.2	3086.7	3083.8	3080.9	3075.2	3046.5	3035.1	3032.2	3035.1	3020.7
20°	3046.5	3037.9	3046.5	3043.7	3043.7	3032.2	3003.5	2989.2	2989.2	2989.2	2974.8
22.5°	2983.4	2974.8	2983.4	2989.2	2989.2	2986.3	2960.5	2940.4	2934.7	2934.7	2917.4
25°	2911.7	2903.1	2911.7	2911.7	2908.8	2911.7	2903.1	2891.6	2883.0	2874.4	2857.2
27.5°	2842.9	2837.1	2842.9	2837.1	2842.9	2834.3	2831.4	2828.5	2817.0	2808.4	2785.5
30°	2774.0	2768.3	2774.0	2768.3	2762.5	2756.8	2742.5	2736.7	2748.2	2742.5	2705.2
32.5°	2688.0	2682.2	2688.0	2688.0	2682.2	2682.2	2659.3	2650.7	2653.5	2670.7	2636.3
35°	2599.0	2590.4	2599.0	2596.2	2599.0	2590.4	2576.1	2573.2	2561.7	2581.8	2556.0
37.5°	2495.7	2487.1	2495.7	2495.7	2495.7	2501.4	2489.9	2481.3	2464.1	2489.9	2469.8
40°	2389.5	2378.1	2389.5	2386.7	2389.5	2395.3	2389.5	2383.8	2366.6	2386.7	2369.4
42.5°	2269.0	2266.2	2269.0	2271.9	2271.9	2283.4	2292.0	2280.5	2274.8	2260.4	2271.9
45°	2140.0	2134.2	2140.0	2145.7	2148.6	2154.3	2180.1	2180.1	2171.5	2148.6	2165.8
47.5°	2002.3	1987.9	2002.3	2019.5	2019.5	2028.1	2053.9	2074.0	2059.6	2031.0	2039.6
50°	1856.0	1858.8	1856.0	1867.4	1867.4	1899.0	1919.1	1939.2	1953.5	1919.1	1878.9
52.5°	1712.5	1709.7	1712.5	1721.1	1732.6	1747.0	1781.4	1801.5	1824.4	1804.3	1741.2
55°	1569.1	1574.8	1569.1	1572.0	1577.7	1586.3	1638.0	1658.0	1701.1	1675.3	1609.3
57.5°	1425.7	1417.1	1425.7	1431.4	1434.3	1442.9	1485.9	1523.2	1549.0	1551.9	1471.6
60°	1259.3	1247.8	1259.3	1285.1	1290.9	1296.6	1336.8	1371.2	1394.1	1402.7	1319.5
62.5°	1113.0	1092.9	1113.0	1130.2	1141.7	1156.0	1184.7	1236.4	1256.4	1259.3	1141.7
65°	958.1	949.5	958.1	992.5	995.4	1012.6	1044.2	1081.5	1124.5	1118.7	949.5
67.5°	817.5	817.5	817.5	840.5	857.7	866.3	906.5	923.7	978.2	983.9	791.7
70°	688.5	685.6	688.5	705.7	717.1	737.2	774.5	794.6	837.6	852.0	642.6
72.5°	565.1	562.2	565.1	579.5	590.9	608.1	639.7	662.6	699.9	717.1	499.1
75°	456.1	450.4	456.1	467.6	464.7	487.7	513.5	536.4	570.8	582.3	370.0
77.5°	350.0	350.0	350.0	361.4	361.4	384.4	395.9	424.5	444.6	461.8	272.5
80°	261.0	258.2	261.0	263.9	263.9	275.4	295.5	315.5	332.8	332.8	186.5
82.5°	183.6	177.9	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	68.0	68.0	68.0	68.0	68.0	90.6	120.9	136.0	116.8	78.7	50.1
92.5°	272.3	218.3	272.3	326.4	339.9	481.8	671.1	765.7	672.3	485.5	345.3
95°	949.2	785.4	949.2	1113.1	1154.0	1515.5	1997.3	2238.3	1890.4	1194.6	672.7
97.5°	2274.4	1962.7	2274.4	2586.1	2664.0	2892.5	3197.0	3349.3	2769.2	1609.1	738.9
100°	3277.0	2905.6	3277.0	3648.3	3741.1	3724.4	3702.1	3691.0	3047.3	1760.0	794.4
102.5°	4263.2	3945.1	4263.2	4581.2	4660.8	4369.7	3981.7	3787.7	3134.8	1829.1	849.9
105°	5520.6	5349.6	5520.6	5691.5	5734.2	5081.8	4211.8	3776.9	3144.7	1880.4	932.2
107.5°	6344.1	6385.5	6344.1	6302.7	6292.4	5382.3	4168.9	3562.2	3004.7	1889.9	1053.8
110°	6658.3	6836.4	6658.3	6480.1	6435.6	5418.2	4061.6	3383.3	2880.7	1875.7	1121.8



TEST NUMBER: P935930

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6686.3	6959.8	6686.3	6412.7	6344.3	5303.0	3914.7	3220.5	2772.4	1876.2	1204.1
115°	6508.9	6888.2	6508.9	6129.7	6034.8	5031.7	3694.3	3025.5	2648.2	1893.5	1327.6
117.5°	6133.0	6553.7	6133.0	5712.4	5607.2	4701.9	3494.8	2891.2	2570.3	1928.6	1447.4
120°	5830.0	6238.8	5830.0	5421.3	5319.1	4491.9	3389.0	2837.6	2544.1	1957.3	1517.2
122.5°	5535.1	5938.2	5535.1	5131.9	5031.1	4286.2	3293.0	2796.5	2530.5	1998.5	1599.5
125°	5114.2	5485.6	5114.2	4742.8	4650.0	4017.3	3173.6	2751.7	2519.2	2054.0	1705.1
127.5°	4735.7	5049.0	4735.7	4422.4	4344.1	3800.8	3076.4	2714.2	2512.6	2109.4	1807.0
130°	4512.7	4802.1	4512.7	4223.2	4150.8	3667.2	3022.2	2699.8	2516.5	2149.9	1875.0
132.5°	4310.2	4569.5	4310.2	4051.1	3986.3	3553.3	2976.0	2687.3	2519.1	2182.7	1930.5
135°	4032.9	4256.4	4032.9	3809.5	3753.6	3391.0	2907.6	2665.9	2516.8	2218.6	1994.9
137.5°	3810.5	3993.3	3810.5	3627.6	3581.9	3275.3	2866.6	2662.2	2532.2	2272.2	2077.2
140°	3657.8	3828.8	3657.8	3486.9	3444.1	3179.3	2826.2	2649.7	2534.8	2305.0	2132.7
142.5°	3531.4	3678.5	3531.4	3384.3	3347.5	3114.9	2804.8	2649.7	2544.0	2332.4	2173.8
145°	3341.8	3453.1	3341.8	3230.4	3202.6	3012.3	2758.6	2631.8	2544.0	2368.2	2236.4
147.5°	3196.3	3288.4	3196.3	3104.0	3080.9	2931.2	2731.7	2631.8	2561.4	2420.7	2315.1
150°	3104.6	3179.3	3104.6	3029.8	3011.1	2884.7	2716.2	2631.8	2570.6	2448.1	2356.3
152.5°	3026.3	3082.7	3026.3	2969.8	2955.7	2847.7	2703.8	2631.8	2576.6	2466.0	2383.1
155°	2936.2	2973.6	2936.2	2898.9	2889.5	2803.7	2689.1	2631.8	2589.7	2505.4	2442.2
157.5°	2865.0	2891.2	2865.0	2838.8	2832.2	2765.4	2676.4	2631.8	2602.8	2544.7	2501.2
160°	2822.5	2837.6	2822.5	2807.4	2803.6	2746.3	2670.0	2631.8	2608.8	2562.7	2528.1
162.5°	2794.7	2809.0	2794.7	2780.3	2776.8	2728.5	2664.0	2631.8	2615.1	2581.7	2556.7
165°	2754.5	2769.6	2754.5	2739.4	2735.6	2701.0	2654.9	2631.8	2624.3	2609.2	2597.9
167.5°	2725.6	2732.0	2725.6	2719.3	2717.7	2695.0	2664.8	2649.7	2643.4	2630.7	2621.1
170°	2717.7	2717.7	2717.7	2717.7	2717.7	2695.0	2664.8	2649.7	2649.3	2648.6	2648.0
172.5°	2696.5	2690.9	2696.5	2702.0	2703.4	2685.6	2661.7	2649.7	2649.7	2649.7	2649.7
175°	2683.7	2683.7	2683.7	2683.7	2683.7	2672.4	2657.3	2649.7	2653.3	2660.5	2665.9
177.5°	2672.2	2665.9	2672.2	2678.5	2680.1	2671.2	2659.3	2653.3	2656.1	2661.7	2665.9
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



TEST NUMBER: P935930
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3075.2	3058.0	3058.0	3029.3	3017.8	3009.2	2994.9	2951.9	2940.4	2928.9	2946.1
5°	3101.0	3069.5	3046.5	2994.9	2951.9	2934.7	2880.1	2776.9	2708.0	2656.4	2627.7
7.5°	3106.8	3066.6	3023.6	2943.3	2840.0	2794.1	2627.7	2438.3	2386.7	2340.8	2312.1
10°	3101.0	3055.1	2994.9	2874.4	2630.6	2550.3	2383.8	2260.4	2228.9	2220.3	2228.9
12.5°	3080.9	3037.9	2954.7	2753.9	2412.5	2358.0	2260.4	2188.7	2183.0	2197.3	2274.8
15°	3046.5	3006.4	2908.8	2593.3	2292.0	2251.8	2183.0	2157.2	2188.7	2289.1	2521.5
17.5°	3012.1	2966.2	2845.7	2435.4	2200.2	2171.5	2122.7	2174.4	2352.2	2487.1	2564.6
20°	2966.2	2911.7	2774.0	2320.7	2134.2	2108.4	2085.5	2317.8	2452.6	2501.4	2544.5
22.5°	2911.7	2854.3	2676.5	2240.4	2065.4	2045.3	2059.6	2398.1	2452.6	2487.1	2524.3
25°	2840.0	2791.2	2561.7	2177.3	2010.9	1987.9	2042.4	2389.5	2421.1	2429.7	2504.3
27.5°	2774.0	2710.9	2441.2	2119.9	1944.9	1936.3	2056.8	2352.2	2375.2	2383.8	2464.1
30°	2693.7	2599.0	2306.3	2059.6	1876.1	1873.2	2059.6	2306.3	2300.6	2323.5	2403.9
32.5°	2610.5	2432.6	2154.3	1985.1	1810.1	1807.2	2039.6	2237.5	2231.8	2263.3	2323.5
35°	2533.1	2303.5	1947.8	1899.0	1726.9	1729.8	1990.8	2157.2	2160.0	2188.7	2226.0
37.5°	2452.6	2191.6	1721.1	1804.3	1646.6	1646.6	1924.8	2082.6	2076.9	2085.5	2137.1
40°	2358.0	2016.6	1520.3	1681.0	1572.0	1563.4	1844.5	2002.3	1982.2	1979.3	2051.0
42.5°	2257.6	1824.4	1371.2	1517.5	1485.9	1474.4	1747.0	1904.7	1867.4	1876.1	1967.8
45°	2148.6	1772.8	1256.4	1282.3	1397.0	1388.4	1640.8	1792.9	1767.0	1790.0	1884.7
47.5°	2039.6	1669.5	1219.1	1064.2	1302.3	1299.5	1523.2	1683.9	1669.5	1692.5	1792.9
50°	1890.4	1554.8	1216.3	912.2	1196.2	1207.7	1382.7	1577.7	1577.7	1597.8	1703.9
52.5°	1698.2	1414.2	1104.4	826.2	1072.8	1107.3	1259.3	1485.9	1491.7	1511.7	1606.4
55°	1523.2	1267.9	1024.1	760.2	926.6	1001.1	1138.8	1391.3	1402.7	1422.8	1508.9
57.5°	1362.6	1055.6	1006.9	682.7	791.7	863.4	1032.7	1299.5	1305.2	1322.4	1405.6
60°	1190.5	763.0	923.7	599.5	674.1	728.6	935.2	1190.5	1210.5	1222.0	1293.7
62.5°	995.4	553.6	837.6	542.2	616.7	628.2	854.8	1087.2	1113.0	1121.6	1164.6
65°	708.5	464.7	711.4	493.4	556.5	559.4	768.8	981.1	1004.0	1018.3	1049.9
67.5°	479.1	378.7	542.2	447.5	510.6	513.5	685.6	857.7	889.3	900.7	920.8
70°	332.8	252.4	401.6	398.7	459.0	464.7	596.7	745.8	774.5	783.1	794.6
72.5°	243.8	203.7	332.8	358.6	404.5	410.2	504.9	619.6	648.3	656.9	662.6
75°	186.5	215.1	269.6	312.7	344.2	347.1	413.1	504.9	524.9	530.7	533.6
77.5°	149.2	200.8	197.9	252.4	281.1	275.4	324.1	390.1	407.3	407.3	407.3
80°	111.9	157.8	149.2	180.7	206.5	200.8	232.4	278.3	284.0	289.7	286.9
82.5°	83.2	100.4	100.4	114.7	137.7	132.0	154.9	180.7	180.7	180.7	186.5
85°	51.6	57.4	45.9	60.2	77.5	74.6	86.1	97.5	100.4	100.4	94.7
87.5°	31.6	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	46.6	32.2	17.9	32.2	46.6	50.1	78.7	116.8	136.0	120.9	90.6
92.5°	314.9	193.2	71.5	193.2	314.9	345.3	485.5	672.3	765.7	671.1	481.8
95°	617.0	394.3	171.7	394.3	617.0	672.7	1194.6	1890.4	2238.3	1997.3	1515.5
97.5°	689.8	493.4	297.0	493.4	689.8	738.9	1609.1	2769.2	3349.3	3197.0	2892.5
100°	749.8	571.7	393.6	571.7	749.8	794.4	1760.0	3047.3	3691.0	3702.1	3724.4
102.5°	808.3	642.1	475.9	642.1	808.3	849.9	1829.1	3134.8	3787.7	3981.7	4369.7
105°	897.0	756.3	615.5	756.3	897.0	932.2	1880.4	3144.7	3776.9	4211.8	5081.8
107.5°	1021.0	889.8	758.6	889.8	1021.0	1053.8	1889.9	3004.7	3562.2	4168.9	5382.3
110°	1092.2	973.7	855.2	973.7	1092.2	1121.8	1875.7	2880.7	3383.3	4061.6	5418.2



TEST NUMBER: P935930

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1175.9	1063.0	950.1	1063.0	1175.9	1204.1	1876.2	2772.4	3220.5	3914.7	5303.0
115°	1301.6	1197.3	1093.2	1197.3	1301.6	1327.6	1893.5	2648.2	3025.5	3694.3	5031.7
117.5°	1423.8	1329.1	1234.5	1329.1	1423.8	1447.4	1928.6	2570.3	2891.2	3494.8	4701.9
120°	1494.9	1405.9	1316.8	1405.9	1494.9	1517.2	1957.3	2544.1	2837.6	3389.0	4491.9
122.5°	1577.0	1487.2	1397.3	1487.2	1577.0	1599.5	1998.5	2530.5	2796.5	3293.0	4286.2
125°	1684.6	1602.7	1520.8	1602.7	1684.6	1705.1	2054.0	2519.2	2751.7	3173.6	4017.3
127.5°	1786.4	1703.6	1620.9	1703.6	1786.4	1807.0	2109.4	2512.6	2714.2	3076.4	3800.8
130°	1852.7	1763.7	1674.7	1763.7	1852.7	1875.0	2149.9	2516.5	2699.8	3022.2	3667.2
132.5°	1908.2	1819.2	1730.1	1819.2	1908.2	1930.5	2182.7	2519.1	2687.3	2976.0	3553.3
135°	1974.6	1893.5	1812.4	1893.5	1974.6	1994.9	2218.6	2516.8	2665.9	2907.6	3391.0
137.5°	2057.2	1976.8	1896.5	1976.8	2057.2	2077.2	2272.2	2532.2	2662.2	2866.6	3275.3
140°	2114.2	2040.2	1966.3	2040.2	2114.2	2132.7	2305.0	2534.8	2649.7	2826.2	3179.3
142.5°	2156.7	2088.3	2020.0	2088.3	2156.7	2173.8	2332.4	2544.0	2649.7	2804.8	3114.9
145°	2221.5	2162.0	2102.3	2162.0	2221.5	2236.4	2368.2	2544.0	2631.8	2758.6	3012.3
147.5°	2300.6	2242.6	2184.5	2242.6	2300.6	2315.1	2420.7	2561.4	2631.8	2731.7	2931.2
150°	2343.2	2290.8	2238.3	2290.8	2343.2	2356.3	2448.1	2570.6	2631.8	2716.2	2884.7
152.5°	2373.2	2333.5	2293.7	2333.5	2373.2	2383.1	2466.0	2576.6	2631.8	2703.8	2847.7
155°	2434.8	2405.5	2376.0	2405.5	2434.8	2442.2	2505.4	2589.7	2631.8	2689.1	2803.7
157.5°	2494.0	2465.4	2436.9	2465.4	2494.0	2501.2	2544.7	2602.8	2631.8	2676.4	2765.4
160°	2522.5	2500.3	2478.0	2500.3	2522.5	2528.1	2562.7	2608.8	2631.8	2670.0	2746.3
162.5°	2552.5	2535.8	2519.1	2535.8	2552.5	2556.7	2581.7	2615.1	2631.8	2664.0	2728.5
165°	2594.1	2578.9	2563.8	2578.9	2594.1	2597.9	2609.2	2624.3	2631.8	2654.9	2701.0
167.5°	2619.3	2612.2	2605.1	2612.2	2619.3	2621.1	2630.7	2643.4	2649.7	2664.8	2695.0
170°	2646.2	2639.0	2631.8	2639.0	2646.2	2648.0	2648.6	2649.3	2649.7	2664.8	2695.0
172.5°	2649.3	2647.7	2646.2	2647.7	2649.3	2649.7	2649.7	2649.7	2649.7	2661.7	2685.6
175°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2660.5	2653.3	2649.7	2657.3	2672.4
177.5°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2661.7	2656.1	2653.3	2659.3	2671.2
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



TEST NUMBER: P935930
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2926.0	2917.4	2928.9	2897.4	2928.9	2917.4	2926.0	2946.1	2928.9	2940.4	2951.9
5°	2567.5	2553.1	2507.1	2469.8	2507.1	2553.1	2567.5	2627.7	2656.4	2708.0	2776.9
7.5°	2294.9	2283.4	2271.9	2249.0	2271.9	2283.4	2294.9	2312.1	2340.8	2386.7	2438.3
10°	2234.6	2237.5	2254.7	2251.8	2254.7	2237.5	2234.6	2228.9	2220.3	2228.9	2260.4
12.5°	2389.5	2415.3	2510.0	2504.3	2510.0	2415.3	2389.5	2274.8	2197.3	2183.0	2188.7
15°	2567.5	2576.1	2596.2	2599.0	2596.2	2576.1	2567.5	2521.5	2289.1	2188.7	2157.2
17.5°	2584.7	2587.6	2601.9	2601.9	2601.9	2587.6	2584.7	2564.6	2487.1	2352.2	2174.4
20°	2570.3	2576.1	2604.8	2610.5	2604.8	2576.1	2570.3	2544.5	2501.4	2452.6	2317.8
22.5°	2564.6	2576.1	2599.0	2596.2	2599.0	2576.1	2564.6	2524.3	2487.1	2452.6	2398.1
25°	2535.9	2535.9	2538.8	2541.7	2538.8	2535.9	2535.9	2504.3	2429.7	2421.1	2389.5
27.5°	2475.6	2481.3	2498.5	2495.7	2498.5	2481.3	2475.6	2464.1	2383.8	2375.2	2352.2
30°	2421.1	2415.3	2401.0	2389.5	2401.0	2415.3	2421.1	2403.9	2323.5	2300.6	2306.3
32.5°	2329.3	2314.9	2300.6	2292.0	2300.6	2314.9	2329.3	2323.5	2263.3	2231.8	2237.5
35°	2220.3	2223.1	2220.3	2211.7	2220.3	2223.1	2220.3	2226.0	2188.7	2160.0	2157.2
37.5°	2142.8	2148.6	2145.7	2134.2	2145.7	2148.6	2142.8	2137.1	2085.5	2076.9	2082.6
40°	2062.5	2065.4	2062.5	2053.9	2062.5	2065.4	2062.5	2051.0	1979.3	1982.2	2002.3
42.5°	1985.1	1982.2	1973.6	1967.8	1973.6	1982.2	1985.1	1967.8	1876.1	1867.4	1904.7
45°	1896.1	1899.0	1881.8	1873.2	1881.8	1899.0	1896.1	1884.7	1790.0	1767.0	1792.9
47.5°	1807.2	1807.2	1792.9	1784.3	1792.9	1807.2	1807.2	1792.9	1692.5	1669.5	1683.9
50°	1712.5	1709.7	1689.6	1686.7	1689.6	1709.7	1712.5	1703.9	1597.8	1577.7	1577.7
52.5°	1603.5	1603.5	1606.4	1612.1	1606.4	1603.5	1603.5	1606.4	1511.7	1491.7	1485.9
55°	1508.9	1511.7	1531.8	1537.6	1531.8	1511.7	1508.9	1508.9	1422.8	1402.7	1391.3
57.5°	1411.3	1411.3	1425.7	1425.7	1425.7	1411.3	1411.3	1405.6	1322.4	1305.2	1299.5
60°	1299.5	1305.2	1316.7	1313.8	1316.7	1305.2	1299.5	1293.7	1222.0	1210.5	1190.5
62.5°	1181.9	1187.6	1190.5	1184.7	1190.5	1187.6	1181.9	1164.6	1121.6	1113.0	1087.2
65°	1058.5	1064.2	1067.1	1061.4	1067.1	1064.2	1058.5	1049.9	1018.3	1004.0	981.1
67.5°	932.3	929.4	926.6	938.0	926.6	929.4	932.3	920.8	900.7	889.3	857.7
70°	803.2	803.2	800.3	806.1	800.3	803.2	803.2	794.6	783.1	774.5	745.8
72.5°	665.5	662.6	674.1	665.5	674.1	662.6	665.5	662.6	656.9	648.3	619.6
75°	530.7	536.4	530.7	539.3	530.7	536.4	530.7	533.6	530.7	524.9	504.9
77.5°	404.5	410.2	404.5	404.5	404.5	410.2	404.5	407.3	407.3	407.3	390.1
80°	286.9	284.0	284.0	281.1	284.0	284.0	286.9	286.9	289.7	284.0	278.3
82.5°	183.6	180.7	180.7	186.5	180.7	180.7	183.6	186.5	180.7	180.7	180.7
85°	100.4	103.3	97.5	97.5	97.5	103.3	100.4	94.7	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	90.6	120.9	136.0	116.8
92.5°	339.9	326.4	272.3	218.3	272.3	326.4	339.9	481.8	671.1	765.7	672.3
95°	1154.0	1113.1	949.2	785.4	949.2	1113.1	1154.0	1515.5	1997.3	2238.3	1890.4
97.5°	2664.0	2586.1	2274.4	1962.7	2274.4	2586.1	2664.0	2892.5	3197.0	3349.3	2769.2
100°	3741.1	3648.3	3277.0	2905.6	3277.0	3648.3	3741.1	3724.4	3702.1	3691.0	3047.3
102.5°	4660.8	4581.2	4263.2	3945.1	4263.2	4581.2	4660.8	4369.7	3981.7	3787.7	3134.8
105°	5734.2	5691.5	5520.6	5349.6	5520.6	5691.5	5734.2	5081.8	4211.8	3776.9	3144.7
107.5°	6292.4	6302.7	6344.1	6385.5	6344.1	6302.7	6292.4	5382.3	4168.9	3562.2	3004.7
110°	6435.6	6480.1	6658.3	6836.4	6658.3	6480.1	6435.6	5418.2	4061.6	3383.3	2880.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6344.3	6412.7	6686.3	6959.8	6686.3	6412.7	6344.3	5303.0	3914.7	3220.5	2772.4
115°	6034.8	6129.7	6508.9	6888.2	6508.9	6129.7	6034.8	5031.7	3694.3	3025.5	2648.2
117.5°	5607.2	5712.4	6133.0	6553.7	6133.0	5712.4	5607.2	4701.9	3494.8	2891.2	2570.3
120°	5319.1	5421.3	5830.0	6238.8	5830.0	5421.3	5319.1	4491.9	3389.0	2837.6	2544.1
122.5°	5031.1	5131.9	5535.1	5938.2	5535.1	5131.9	5031.1	4286.2	3293.0	2796.5	2530.5
125°	4650.0	4742.8	5114.2	5485.6	5114.2	4742.8	4650.0	4017.3	3173.6	2751.7	2519.2
127.5°	4344.1	4422.4	4735.7	5049.0	4735.7	4422.4	4344.1	3800.8	3076.4	2714.2	2512.6
130°	4150.8	4223.2	4512.7	4802.1	4512.7	4223.2	4150.8	3667.2	3022.2	2699.8	2516.5
132.5°	3986.3	4051.1	4310.2	4569.5	4310.2	4051.1	3986.3	3553.3	2976.0	2687.3	2519.1
135°	3753.6	3809.5	4032.9	4256.4	4032.9	3809.5	3753.6	3391.0	2907.6	2665.9	2516.8
137.5°	3581.9	3627.6	3810.5	3993.3	3810.5	3627.6	3581.9	3275.3	2866.6	2662.2	2532.2
140°	3444.1	3486.9	3657.8	3828.8	3657.8	3486.9	3444.1	3179.3	2826.2	2649.7	2534.8
142.5°	3347.5	3384.3	3531.4	3678.5	3531.4	3384.3	3347.5	3114.9	2804.8	2649.7	2544.0
145°	3202.6	3230.4	3341.8	3453.1	3341.8	3230.4	3202.6	3012.3	2758.6	2631.8	2544.0
147.5°	3080.9	3104.0	3196.3	3288.4	3196.3	3104.0	3080.9	2931.2	2731.7	2631.8	2561.4
150°	3011.1	3029.8	3104.6	3179.3	3104.6	3029.8	3011.1	2884.7	2716.2	2631.8	2570.6
152.5°	2955.7	2969.8	3026.3	3082.7	3026.3	2969.8	2955.7	2847.7	2703.8	2631.8	2576.6
155°	2889.5	2898.9	2936.2	2973.6	2936.2	2898.9	2889.5	2803.7	2689.1	2631.8	2589.7
157.5°	2832.2	2838.8	2865.0	2891.2	2865.0	2838.8	2832.2	2765.4	2676.4	2631.8	2602.8
160°	2803.6	2807.4	2822.5	2837.6	2822.5	2807.4	2803.6	2746.3	2670.0	2631.8	2608.8
162.5°	2776.8	2780.3	2794.7	2809.0	2794.7	2780.3	2776.8	2728.5	2664.0	2631.8	2615.1
165°	2735.6	2739.4	2754.5	2769.6	2754.5	2739.4	2735.6	2701.0	2654.9	2631.8	2624.3
167.5°	2717.7	2719.3	2725.6	2732.0	2725.6	2719.3	2717.7	2695.0	2664.8	2649.7	2643.4
170°	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2695.0	2664.8	2649.7	2649.3
172.5°	2703.4	2702.0	2696.5	2690.9	2696.5	2702.0	2703.4	2685.6	2661.7	2649.7	2649.7
175°	2683.7	2683.7	2683.7	2683.7	2683.7	2683.7	2683.7	2672.4	2657.3	2649.7	2653.3
177.5°	2680.1	2678.5	2672.2	2665.9	2672.2	2678.5	2680.1	2671.2	2659.3	2653.3	2656.1
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2994.9	3009.2	3017.8	3029.3	3058.0
5°	2880.1	2934.7	2951.9	2994.9	3046.5
7.5°	2627.7	2794.1	2840.0	2943.3	3023.6
10°	2383.8	2550.3	2630.6	2874.4	2994.9
12.5°	2260.4	2358.0	2412.5	2753.9	2954.7
15°	2183.0	2251.8	2292.0	2593.3	2908.8
17.5°	2122.7	2171.5	2200.2	2435.4	2845.7
20°	2085.5	2108.4	2134.2	2320.7	2774.0
22.5°	2059.6	2045.3	2065.4	2240.4	2676.5
25°	2042.4	1987.9	2010.9	2177.3	2561.7
27.5°	2056.8	1936.3	1944.9	2119.9	2441.2
30°	2059.6	1873.2	1876.1	2059.6	2306.3
32.5°	2039.6	1807.2	1810.1	1985.1	2154.3
35°	1990.8	1729.8	1726.9	1899.0	1947.8
37.5°	1924.8	1646.6	1646.6	1804.3	1721.1
40°	1844.5	1563.4	1572.0	1681.0	1520.3
42.5°	1747.0	1474.4	1485.9	1517.5	1371.2
45°	1640.8	1388.4	1397.0	1282.3	1256.4
47.5°	1523.2	1299.5	1302.3	1064.2	1219.1
50°	1382.7	1207.7	1196.2	912.2	1216.3
52.5°	1259.3	1107.3	1072.8	826.2	1104.4
55°	1138.8	1001.1	926.6	760.2	1024.1
57.5°	1032.7	863.4	791.7	682.7	1006.9
60°	935.2	728.6	674.1	599.5	923.7
62.5°	854.8	628.2	616.7	542.2	837.6
65°	768.8	559.4	556.5	493.4	711.4
67.5°	685.6	513.5	510.6	447.5	542.2
70°	596.7	464.7	459.0	398.7	401.6
72.5°	504.9	410.2	404.5	358.6	332.8
75°	413.1	347.1	344.2	312.7	269.6
77.5°	324.1	275.4	281.1	252.4	197.9
80°	232.4	200.8	206.5	180.7	149.2
82.5°	154.9	132.0	137.7	114.7	100.4
85°	86.1	74.6	77.5	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	78.7	50.1	46.6	32.2	17.9
92.5°	485.5	345.3	314.9	193.2	71.5
95°	1194.6	672.7	617.0	394.3	171.7
97.5°	1609.1	738.9	689.8	493.4	297.0
100°	1760.0	794.4	749.8	571.7	393.6
102.5°	1829.1	849.9	808.3	642.1	475.9
105°	1880.4	932.2	897.0	756.3	615.5
107.5°	1889.9	1053.8	1021.0	889.8	758.6
110°	1875.7	1121.8	1092.2	973.7	855.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1876.2	1204.1	1175.9	1063.0	950.1
115°	1893.5	1327.6	1301.6	1197.3	1093.2
117.5°	1928.6	1447.4	1423.8	1329.1	1234.5
120°	1957.3	1517.2	1494.9	1405.9	1316.8
122.5°	1998.5	1599.5	1577.0	1487.2	1397.3
125°	2054.0	1705.1	1684.6	1602.7	1520.8
127.5°	2109.4	1807.0	1786.4	1703.6	1620.9
130°	2149.9	1875.0	1852.7	1763.7	1674.7
132.5°	2182.7	1930.5	1908.2	1819.2	1730.1
135°	2218.6	1994.9	1974.6	1893.5	1812.4
137.5°	2272.2	2077.2	2057.2	1976.8	1896.5
140°	2305.0	2132.7	2114.2	2040.2	1966.3
142.5°	2332.4	2173.8	2156.7	2088.3	2020.0
145°	2368.2	2236.4	2221.5	2162.0	2102.3
147.5°	2420.7	2315.1	2300.6	2242.6	2184.5
150°	2448.1	2356.3	2343.2	2290.8	2238.3
152.5°	2466.0	2383.1	2373.2	2333.5	2293.7
155°	2505.4	2442.2	2434.8	2405.5	2376.0
157.5°	2544.7	2501.2	2494.0	2465.4	2436.9
160°	2562.7	2528.1	2522.5	2500.3	2478.0
162.5°	2581.7	2556.7	2552.5	2535.8	2519.1
165°	2609.2	2597.9	2594.1	2578.9	2563.8
167.5°	2630.7	2621.1	2619.3	2612.2	2605.1
170°	2648.6	2648.0	2646.2	2639.0	2631.8
172.5°	2649.7	2649.7	2649.3	2647.7	2646.2
175°	2660.5	2665.9	2665.9	2665.9	2665.9
177.5°	2661.7	2665.9	2665.9	2665.9	2665.9
180°	2665.9	2665.9	2665.9	2665.9	2665.9



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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	10.55	11.26	11.65	12.36	13.88	13.40	14.12	14.50	15.21	16.73
	3H	11.01	11.65	12.13	12.76	14.29	14.74	15.38	15.85	16.49	18.02
	4H	11.20	11.81	12.32	12.91	14.45	15.18	15.79	16.30	16.90	18.44
	6H	11.31	11.87	12.44	12.98	14.53	15.47	16.02	16.60	17.14	18.69
	8H	11.31	11.84	12.44	12.97	14.51	15.54	16.07	16.67	17.20	18.74
	12H	11.27	11.78	12.41	12.90	14.46	15.58	16.08	16.71	17.20	18.77
4H	2H	11.57	12.18	12.70	13.28	14.82	13.79	14.40	14.92	15.51	17.04
	3H	12.58	13.09	13.72	14.22	15.77	15.29	15.80	16.42	16.93	18.48
	4H	12.85	13.32	13.99	14.44	16.01	15.81	16.28	16.95	17.40	18.97
	6H	12.97	13.37	14.11	14.51	16.08	16.18	16.58	17.32	17.72	19.28
	8H	12.97	13.34	14.11	14.48	16.06	16.28	16.66	17.43	17.79	19.37
	12H	12.93	13.27	14.09	14.42	16.00	16.34	16.67	17.50	17.82	19.41
8H	4H	13.30	13.67	14.44	14.81	16.39	15.93	16.30	17.07	17.44	19.02
	6H	13.55	13.86	14.72	15.04	16.61	16.36	16.67	17.53	17.85	19.43
	8H	13.59	13.86	14.76	15.02	16.62	16.52	16.78	17.69	17.94	19.54
	12H	13.57	13.81	14.74	14.96	16.59	16.61	16.85	17.79	18.01	19.63
12H	4H	13.30	13.63	14.46	14.78	16.37	15.88	16.22	17.05	17.37	18.95
	6H	13.61	13.88	14.78	15.04	16.64	16.36	16.63	17.53	17.79	19.38
	8H	13.67	13.91	14.85	15.07	16.69	16.52	16.75	17.69	17.91	19.54