

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: P935979

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

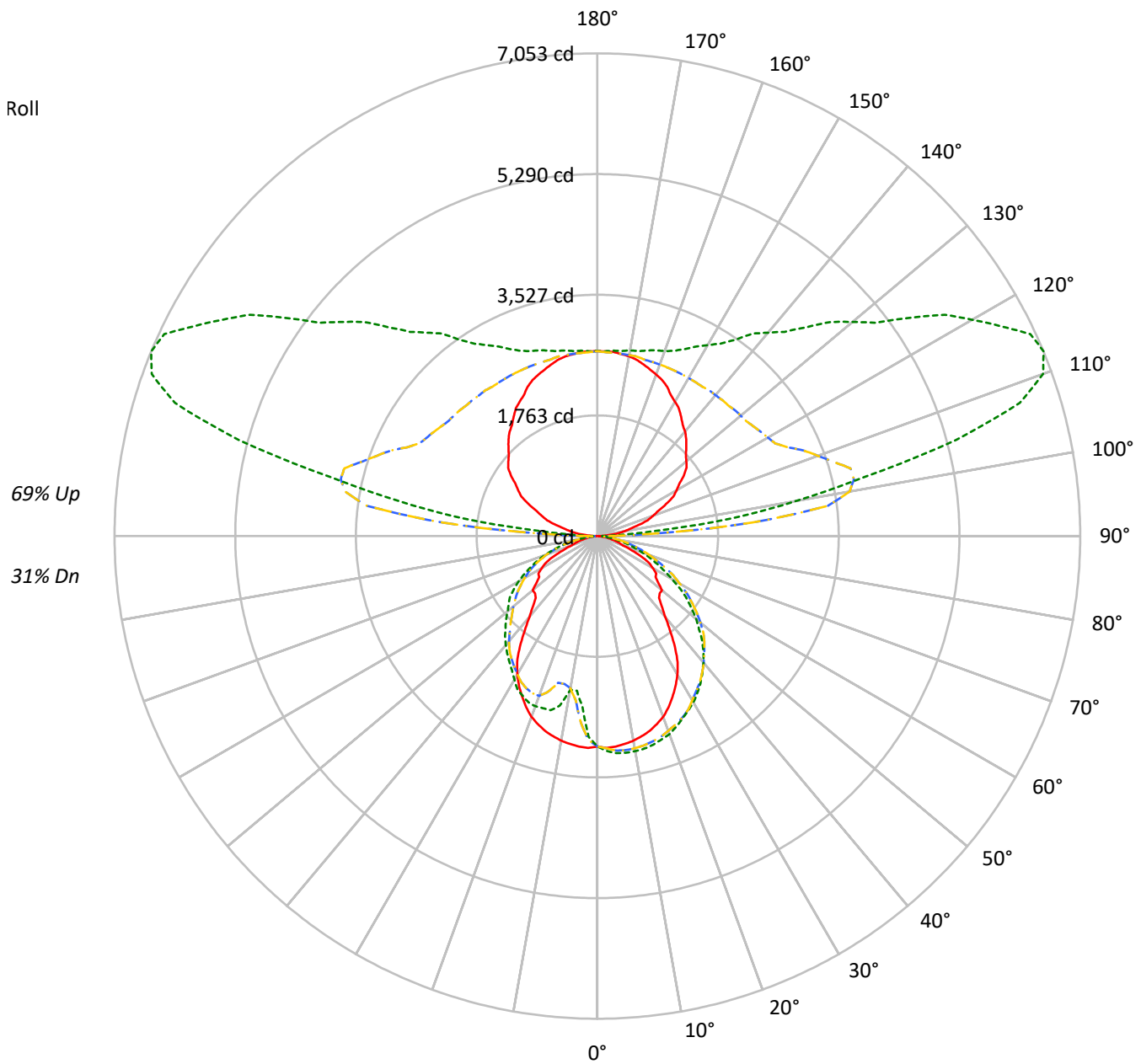
Test Method: LM-79-2019  
Report Number: P935979  
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25490.4 lumens  
Efficiency: N/A  
Efficacy: 133.6 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

TEST NUMBER: P935979  
CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

### 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	33	33	33	26	
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	28	28	28	22	
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	24	24	24	19	
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	20	20	20	16	
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	18	18	18	14	
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	15	15	15	12	
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	14	14	14	11	
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	12	12	12	10	
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	11	11	11	9	
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	10	10	10	8	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9579	9594	9579	7544
10°	9518	9451	9518	6756
15°	9418	9246	9418	7721
20°	9225	9003	9225	7737
25°	8825	8650	8825	7573
30°	8308	8356	8308	7213
35°	7410	7984	7410	6817
40°	6178	7547	6178	6518
45°	5524	7035	5524	6175
50°	5873	6424	5873	5829
55°	5531	5766	5531	5630
60°	5708	4897	5708	5156
65°	5184	4048	5184	4526
70°	3598	3227	3598	3794
75°	3168	2385	3168	2856
80°	2572	1577	2572	1717
85°	1507	835	1507	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.4	1.1
10°-20°	787.5	3.1
20°-30°	1217.4	4.8
30°-40°	1453.3	5.7
40°-50°	1461.8	5.7
50°-60°	1271.9	5.0
60°-70°	901.8	3.5
70°-80°	477.1	1.9
80°-90°	129.1	0.5
90°-100°	1316.9	5.2
100°-110°	3462.1	13.6
110°-120°	3589.9	14.1
120°-130°	2879.5	11.3
130°-140°	2259.4	8.9
140°-150°	1734.2	6.8
150°-160°	1248.9	4.9
160°-170°	764.1	3.0
170°-180°	258.2	1.0
0°-30°	2282.3	9.0
0°-40°	3735.6	14.7
0°-60°	6469.3	25.4
0°-90°	7977.3	31.3
90°-120°	8368.8	32.8
90°-150°	15241.9	59.8
90°-180°	17513.0	68.7
0°-180°	25490.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3073	3073	3073	3073	3073	
5°	3087	3183	3087	2503	3087	293
15°	2948	3154	2948	2634	2948	829
25°	2596	2942	2596	2576	2596	1192
35°	1974	2625	1974	2241	1974	1221
45°	1273	2163	1273	1898	1273	1020
55°	1038	1596	1038	1558	1038	954
65°	721	962	721	1076	721	689
75°	273	456	273	546	273	287
85°	46	116	46	99	46	63
90°	18	69	18	69	18	17
95°	174	796	174	796	174	193
105°	624	5421	624	5421	624	661
115°	1108	6980	1108	6980	1108	1094
125°	1541	5559	1541	5559	1541	1368
135°	1837	4313	1837	4313	1837	1421
145°	2130	3499	2130	3499	2130	1335
155°	2408	3013	2408	3013	2408	1106
165°	2598	2807	2598	2807	2598	733
175°	2702	2720	2702	2720	2702	256
180°	2702	2702	2702	2702	2702	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3099.0	3099.0	3116.4	3122.2	3122.2	3113.5	3104.8	3113.5	3139.7	3148.4	3145.5
5°	3087.3	3110.6	3142.6	3148.4	3154.2	3151.3	3145.5	3151.3	3180.4	3186.2	3189.1
7.5°	3064.1	3107.7	3148.4	3157.1	3165.8	3157.1	3154.2	3160.0	3189.1	3194.9	3194.9
10°	3035.0	3096.1	3142.6	3148.4	3157.1	3148.4	3148.4	3160.0	3189.1	3194.9	3197.8
12.5°	2994.3	3078.6	3122.2	3128.0	3139.7	3136.7	3133.8	3145.5	3174.5	3180.4	3180.4
15°	2947.8	3046.6	3087.3	3093.1	3113.5	3107.7	3107.7	3119.3	3151.3	3160.0	3157.1
17.5°	2883.8	3005.9	3052.4	3061.2	3075.7	3072.8	3075.7	3087.3	3116.4	3122.2	3125.1
20°	2811.2	2950.7	3005.9	3014.7	3029.2	3029.2	3029.2	3043.7	3072.8	3084.4	3084.4
22.5°	2712.3	2892.6	2950.7	2956.5	2974.0	2974.0	2979.8	3000.1	3026.3	3029.2	3029.2
25°	2596.0	2828.6	2878.0	2895.5	2912.9	2921.6	2930.4	2942.0	2950.7	2947.8	2950.7
27.5°	2473.9	2747.2	2811.2	2822.8	2846.0	2854.8	2866.4	2869.3	2872.2	2880.9	2875.1
30°	2337.2	2633.8	2729.8	2741.4	2779.2	2785.0	2773.4	2779.2	2793.7	2799.5	2805.4
32.5°	2183.2	2465.1	2645.5	2671.6	2706.5	2689.1	2686.2	2694.9	2718.1	2718.1	2724.0
35°	1973.9	2334.3	2567.0	2590.2	2616.4	2596.0	2607.7	2610.6	2625.1	2633.8	2630.9
37.5°	1744.2	2220.9	2485.5	2502.9	2523.3	2497.1	2514.6	2523.3	2534.9	2529.1	2529.1
40°	1540.7	2043.6	2389.6	2401.2	2418.6	2398.3	2415.7	2421.5	2427.3	2421.5	2418.6
42.5°	1389.5	1848.9	2287.8	2302.3	2290.7	2305.3	2311.1	2322.7	2314.0	2302.3	2302.3
45°	1273.3	1796.5	2177.3	2194.8	2177.3	2200.6	2209.3	2209.3	2183.2	2177.3	2174.4
47.5°	1235.5	1691.9	2066.9	2066.9	2058.2	2087.2	2101.8	2081.4	2055.2	2046.5	2046.5
50°	1232.6	1575.6	1915.7	1904.1	1944.8	1979.7	1965.1	1944.8	1924.4	1892.5	1892.5
52.5°	1119.2	1433.2	1720.9	1764.5	1828.5	1848.9	1825.6	1805.2	1770.4	1755.8	1744.2
55°	1037.8	1284.9	1543.6	1630.8	1697.7	1723.9	1680.2	1659.9	1607.6	1598.8	1593.0
57.5°	1020.4	1069.8	1380.8	1491.3	1572.7	1569.8	1543.6	1505.8	1462.2	1453.5	1450.6
60°	936.1	773.3	1206.4	1337.2	1421.5	1412.8	1389.5	1354.7	1314.0	1308.1	1302.3
62.5°	848.8	561.1	1008.7	1157.0	1276.2	1273.3	1252.9	1200.6	1171.5	1157.0	1145.4
65°	720.9	470.9	718.0	962.2	1133.7	1139.5	1095.9	1058.1	1026.2	1008.7	1005.8
67.5°	549.4	383.7	485.5	802.3	997.1	991.3	936.1	918.6	877.9	869.2	851.8
70°	407.0	255.8	337.2	651.2	863.4	848.8	805.2	784.9	747.1	726.8	715.1
72.5°	337.2	206.4	247.1	505.8	726.8	709.3	671.5	648.3	616.3	598.8	587.2
75°	273.3	218.0	189.0	375.0	590.1	578.5	543.6	520.4	494.2	470.9	473.8
77.5°	200.6	203.5	151.2	276.2	468.0	450.6	430.2	401.2	389.5	366.3	366.3
80°	151.2	159.9	113.4	189.0	337.2	337.2	319.8	299.4	279.1	267.4	267.4
82.5°	101.7	101.7	84.3	119.2	229.7	220.9	209.3	203.5	191.9	186.0	186.0
85°	46.5	58.1	52.3	72.7	125.0	130.8	130.8	125.0	122.1	116.3	119.2
87.5°	14.5	26.2	32.0	40.7	64.0	66.9	69.8	69.8	69.8	72.7	72.7
90°	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9	68.9	68.9
92.5°	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3	344.5	330.8
95°	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8	1169.5	1128.0
97.5°	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2	2699.7	2620.8
100°	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3	3791.2	3697.1
102.5°	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2	4723.2	4642.6
105°	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8	5811.0	5767.7
107.5°	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4	6376.7	6387.2
110°	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7	6521.8	6566.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1	6429.3	6498.6
115°	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1	6115.6	6211.8
117.5°	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9	5682.3	5788.9
120°	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1	5390.4	5493.9
122.5°	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6	5098.5	5200.6
125°	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1	4712.2	4806.3
127.5°	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7	4402.3	4481.6
130°	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3	4206.4	4279.8
132.5°	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9	4039.7	4105.4
135°	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5	3803.9	3860.5
137.5°	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2	3629.9	3676.2
140°	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9	3490.2	3533.6
142.5°	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6	3392.4	3429.7
145°	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6	3245.5	3273.7
147.5°	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5	3122.2	3145.6
150°	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4	3051.5	3070.4
152.5°	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9	2995.3	3009.6
155°	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2	2928.2	2937.7
157.5°	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4	2870.2	2876.9
160°	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1	2841.1	2845.0
162.5°	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0	2814.0	2817.6
165°	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1	2772.2	2776.1
167.5°	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1	2754.1	2755.7
170°	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1	2754.1	2754.1
172.5°	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5	2739.7	2738.2
175°	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2	2719.7	2719.7
177.5°	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0	2716.0	2714.4
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3151.3	3142.6	3151.3	3145.5	3148.4	3139.7	3113.5	3104.8	3113.5	3122.2	3122.2
5°	3189.1	3183.3	3189.1	3189.1	3186.2	3180.4	3151.3	3145.5	3151.3	3154.2	3148.4
7.5°	3200.7	3192.0	3200.7	3194.9	3194.9	3189.1	3160.0	3154.2	3157.1	3165.8	3157.1
10°	3200.7	3192.0	3200.7	3197.8	3194.9	3189.1	3160.0	3148.4	3148.4	3157.1	3148.4
12.5°	3186.2	3180.4	3186.2	3180.4	3180.4	3174.5	3145.5	3133.8	3136.7	3139.7	3128.0
15°	3162.9	3154.2	3162.9	3157.1	3160.0	3151.3	3119.3	3107.7	3107.7	3113.5	3093.1
17.5°	3128.0	3116.4	3128.0	3125.1	3122.2	3116.4	3087.3	3075.7	3072.8	3075.7	3061.2
20°	3087.3	3078.6	3087.3	3084.4	3084.4	3072.8	3043.7	3029.2	3029.2	3029.2	3014.7
22.5°	3023.4	3014.7	3023.4	3029.2	3029.2	3026.3	3000.1	2979.8	2974.0	2974.0	2956.5
25°	2950.7	2942.0	2950.7	2950.7	2947.8	2950.7	2942.0	2930.4	2921.6	2912.9	2895.5
27.5°	2880.9	2875.1	2880.9	2875.1	2880.9	2872.2	2869.3	2866.4	2854.8	2846.0	2822.8
30°	2811.2	2805.4	2811.2	2805.4	2799.5	2793.7	2779.2	2773.4	2785.0	2779.2	2741.4
32.5°	2724.0	2718.1	2724.0	2724.0	2718.1	2718.1	2694.9	2686.2	2689.1	2706.5	2671.6
35°	2633.8	2625.1	2633.8	2630.9	2633.8	2625.1	2610.6	2607.7	2596.0	2616.4	2590.2
37.5°	2529.1	2520.4	2529.1	2529.1	2529.1	2534.9	2523.3	2514.6	2497.1	2523.3	2502.9
40°	2421.5	2409.9	2421.5	2418.6	2421.5	2427.3	2421.5	2415.7	2398.3	2418.6	2401.2
42.5°	2299.4	2296.5	2299.4	2302.3	2302.3	2314.0	2322.7	2311.1	2305.3	2290.7	2302.3
45°	2168.6	2162.8	2168.6	2174.4	2177.3	2183.2	2209.3	2209.3	2200.6	2177.3	2194.8
47.5°	2029.1	2014.6	2029.1	2046.5	2046.5	2055.2	2081.4	2101.8	2087.2	2058.2	2066.9
50°	1880.8	1883.7	1880.8	1892.5	1892.5	1924.4	1944.8	1965.1	1979.7	1944.8	1904.1
52.5°	1735.5	1732.6	1735.5	1744.2	1755.8	1770.4	1805.2	1825.6	1848.9	1828.5	1764.5
55°	1590.1	1595.9	1590.1	1593.0	1598.8	1607.6	1659.9	1680.2	1723.9	1697.7	1630.8
57.5°	1444.8	1436.1	1444.8	1450.6	1453.5	1462.2	1505.8	1543.6	1569.8	1572.7	1491.3
60°	1276.2	1264.5	1276.2	1302.3	1308.1	1314.0	1354.7	1389.5	1412.8	1421.5	1337.2
62.5°	1127.9	1107.6	1127.9	1145.4	1157.0	1171.5	1200.6	1252.9	1273.3	1276.2	1157.0
65°	970.9	962.2	970.9	1005.8	1008.7	1026.2	1058.1	1095.9	1139.5	1133.7	962.2
67.5°	828.5	828.5	828.5	851.8	869.2	877.9	918.6	936.1	991.3	997.1	802.3
70°	697.7	694.8	697.7	715.1	726.8	747.1	784.9	805.2	848.8	863.4	651.2
72.5°	572.7	569.8	572.7	587.2	598.8	616.3	648.3	671.5	709.3	726.8	505.8
75°	462.2	456.4	462.2	473.8	470.9	494.2	520.4	543.6	578.5	590.1	375.0
77.5°	354.7	354.7	354.7	366.3	366.3	389.5	401.2	430.2	450.6	468.0	276.2
80°	264.5	261.6	264.5	267.4	267.4	279.1	299.4	319.8	337.2	337.2	189.0
82.5°	186.0	180.2	186.0	186.0	186.0	191.9	203.5	209.3	220.9	229.7	119.2
85°	116.3	116.3	116.3	119.2	116.3	122.1	125.0	130.8	130.8	125.0	72.7
87.5°	75.6	72.7	75.6	72.7	72.7	69.8	69.8	69.8	66.9	64.0	40.7
90°	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4	79.7	50.8
92.5°	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3	492.0	349.9
95°	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7	1210.6	681.7
97.5°	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3	1630.6	748.8
100°	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1	1783.5	805.0
102.5°	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8	1853.6	861.2
105°	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8	1905.6	944.7
107.5°	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0	1915.2	1067.9
110°	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3	1900.8	1136.8





TEST NUMBER: P935979

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5	1901.4	1220.3
115°	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6	1918.9	1345.4
117.5°	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8	1954.5	1466.8
120°	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2	1983.5	1537.5
122.5°	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4	2025.3	1620.9
125°	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9	2081.5	1727.9
127.5°	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2	2137.6	1831.2
130°	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2	2178.7	1900.1
132.5°	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8	2211.9	1956.3
135°	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5	2248.3	2021.6
137.5°	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1	2302.6	2105.1
140°	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7	2335.9	2161.3
142.5°	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0	2363.7	2202.9
145°	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0	2399.9	2266.4
147.5°	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8	2453.1	2346.1
150°	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1	2480.9	2387.9
152.5°	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1	2499.1	2415.0
155°	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3	2539.0	2474.9
157.5°	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6	2578.8	2534.7
160°	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7	2597.0	2561.9
162.5°	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1	2616.3	2590.9
165°	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4	2644.1	2632.7
167.5°	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8	2665.9	2656.2
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8	2684.0	2683.5
172.5°	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9	2696.1	2701.6
177.5°	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7	2697.3	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935979

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3116.4	3099.0	3099.0	3069.9	3058.3	3049.5	3035.0	2991.4	2979.8	2968.1	2985.6
5°	3142.6	3110.6	3087.3	3035.0	2991.4	2974.0	2918.7	2814.1	2744.3	2692.0	2662.9
7.5°	3148.4	3107.7	3064.1	2982.7	2878.0	2831.5	2662.9	2471.0	2418.6	2372.1	2343.0
10°	3142.6	3096.1	3035.0	2912.9	2665.8	2584.4	2415.7	2290.7	2258.7	2250.0	2258.7
12.5°	3122.2	3078.6	2994.3	2790.8	2444.8	2389.6	2290.7	2218.0	2212.2	2226.8	2305.3
15°	3087.3	3046.6	2947.8	2628.0	2322.7	2282.0	2212.2	2186.1	2218.0	2319.8	2555.3
17.5°	3052.4	3005.9	2883.8	2468.0	2229.7	2200.6	2151.2	2203.5	2383.7	2520.4	2599.0
20°	3005.9	2950.7	2811.2	2351.8	2162.8	2136.6	2113.4	2348.9	2485.5	2534.9	2578.6
22.5°	2950.7	2892.6	2712.3	2270.4	2093.0	2072.7	2087.2	2430.3	2485.5	2520.4	2558.2
25°	2878.0	2828.6	2596.0	2206.4	2037.8	2014.6	2069.8	2421.5	2453.5	2462.2	2537.8
27.5°	2811.2	2747.2	2473.9	2148.3	1970.9	1962.2	2084.3	2383.7	2407.0	2415.7	2497.1
30°	2729.8	2633.8	2337.2	2087.2	1901.2	1898.3	2087.2	2337.2	2331.4	2354.7	2436.1
32.5°	2645.5	2465.1	2183.2	2011.6	1834.3	1831.4	2066.9	2267.5	2261.6	2293.6	2354.7
35°	2567.0	2334.3	1973.9	1924.4	1750.0	1752.9	2017.5	2186.1	2189.0	2218.0	2255.8
37.5°	2485.5	2220.9	1744.2	1828.5	1668.6	1668.6	1950.6	2110.5	2104.7	2113.4	2165.7
40°	2389.6	2043.6	1540.7	1703.5	1593.0	1584.3	1869.2	2029.1	2008.7	2005.8	2078.5
42.5°	2287.8	1848.9	1389.5	1537.8	1505.8	1494.2	1770.4	1930.2	1892.5	1901.2	1994.2
45°	2177.3	1796.5	1273.3	1299.4	1415.7	1407.0	1662.8	1816.9	1790.7	1814.0	1909.9
47.5°	2066.9	1691.9	1235.5	1078.5	1319.8	1316.9	1543.6	1706.4	1691.9	1715.1	1816.9
50°	1915.7	1575.6	1232.6	924.4	1212.2	1223.8	1401.2	1598.8	1598.8	1619.2	1726.8
52.5°	1720.9	1433.2	1119.2	837.2	1087.2	1122.1	1276.2	1505.8	1511.6	1532.0	1627.9
55°	1543.6	1284.9	1037.8	770.4	939.0	1014.5	1154.1	1409.9	1421.5	1441.9	1529.1
57.5°	1380.8	1069.8	1020.4	691.9	802.3	875.0	1046.5	1316.9	1322.7	1340.1	1424.4
60°	1206.4	773.3	936.1	607.6	683.1	738.4	947.7	1206.4	1226.8	1238.4	1311.1
62.5°	1008.7	561.1	848.8	549.4	625.0	636.6	866.3	1101.8	1127.9	1136.6	1180.2
65°	718.0	470.9	720.9	500.0	564.0	566.9	779.1	994.2	1017.4	1032.0	1064.0
67.5°	485.5	383.7	549.4	453.5	517.4	520.4	694.8	869.2	901.2	912.8	933.1
70°	337.2	255.8	407.0	404.1	465.1	470.9	604.7	755.8	784.9	793.6	805.2
72.5°	247.1	206.4	337.2	363.4	409.9	415.7	511.6	627.9	657.0	665.7	671.5
75°	189.0	218.0	273.3	316.9	348.8	351.7	418.6	511.6	532.0	537.8	540.7
77.5°	151.2	203.5	200.6	255.8	284.9	279.1	328.5	395.4	412.8	412.8	412.8
80°	113.4	159.9	151.2	183.1	209.3	203.5	235.5	282.0	287.8	293.6	290.7
82.5°	84.3	101.7	101.7	116.3	139.5	133.7	157.0	183.1	183.1	183.1	189.0
85°	52.3	58.1	46.5	61.0	78.5	75.6	87.2	98.8	101.7	101.7	95.9
87.5°	32.0	26.2	14.5	23.3	34.9	34.9	40.7	43.6	40.7	40.7	40.7
90°	47.2	32.7	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9
92.5°	319.1	195.7	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3
95°	625.3	399.6	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8
97.5°	699.0	500.0	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2
100°	759.9	579.4	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3
102.5°	819.1	650.7	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2
105°	909.0	766.4	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8
107.5°	1034.7	901.8	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4
110°	1106.8	986.7	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7



TEST NUMBER: P935979

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1191.7	1077.2	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1
115°	1319.0	1213.4	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1
117.5°	1442.8	1346.9	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9
120°	1514.9	1424.7	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1
122.5°	1598.2	1507.1	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6
125°	1707.2	1624.1	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1
127.5°	1810.3	1726.5	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7
130°	1877.5	1787.3	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3
132.5°	1933.7	1843.5	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9
135°	2001.1	1918.8	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5
137.5°	2084.7	2003.3	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2
140°	2142.6	2067.6	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9
142.5°	2185.6	2116.3	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6
145°	2251.3	2190.9	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6
147.5°	2331.4	2272.6	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5
150°	2374.6	2321.4	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4
152.5°	2405.0	2364.7	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9
155°	2467.5	2437.7	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2
157.5°	2527.4	2498.5	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4
160°	2556.3	2533.7	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1
162.5°	2586.6	2569.8	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0
165°	2628.8	2613.5	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1
167.5°	2654.4	2647.2	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1
170°	2681.6	2674.3	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1
172.5°	2684.8	2683.2	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5
175°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2
177.5°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935979

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	2965.2	2956.5	2968.1	2936.2	2968.1	2956.5	2965.2	2985.6	2968.1	2979.8	2991.4
5°	2601.9	2587.3	2540.7	2502.9	2540.7	2587.3	2601.9	2662.9	2692.0	2744.3	2814.1
7.5°	2325.6	2314.0	2302.3	2279.1	2302.3	2314.0	2325.6	2343.0	2372.1	2418.6	2471.0
10°	2264.6	2267.5	2284.9	2282.0	2284.9	2267.5	2264.6	2258.7	2250.0	2258.7	2290.7
12.5°	2421.5	2447.7	2543.6	2537.8	2543.6	2447.7	2421.5	2305.3	2226.8	2212.2	2218.0
15°	2601.9	2610.6	2630.9	2633.8	2630.9	2610.6	2601.9	2555.3	2319.8	2218.0	2186.1
17.5°	2619.3	2622.2	2636.7	2636.7	2636.7	2622.2	2619.3	2599.0	2520.4	2383.7	2203.5
20°	2604.8	2610.6	2639.7	2645.5	2639.7	2610.6	2604.8	2578.6	2534.9	2485.5	2348.9
22.5°	2599.0	2610.6	2633.8	2630.9	2633.8	2610.6	2599.0	2558.2	2520.4	2485.5	2430.3
25°	2569.9	2569.9	2572.8	2575.7	2572.8	2569.9	2569.9	2537.8	2462.2	2453.5	2421.5
27.5°	2508.7	2514.6	2532.0	2529.1	2532.0	2514.6	2508.7	2497.1	2415.7	2407.0	2383.7
30°	2453.5	2447.7	2433.2	2421.5	2433.2	2447.7	2453.5	2436.1	2354.7	2331.4	2337.2
32.5°	2360.5	2345.9	2331.4	2322.7	2331.4	2345.9	2360.5	2354.7	2293.6	2261.6	2267.5
35°	2250.0	2252.9	2250.0	2241.3	2250.0	2252.9	2250.0	2255.8	2218.0	2189.0	2186.1
37.5°	2171.5	2177.3	2174.4	2162.8	2174.4	2177.3	2171.5	2165.7	2113.4	2104.7	2110.5
40°	2090.1	2093.0	2090.1	2081.4	2090.1	2093.0	2090.1	2078.5	2005.8	2008.7	2029.1
42.5°	2011.6	2008.7	2000.0	1994.2	2000.0	2008.7	2011.6	1994.2	1901.2	1892.5	1930.2
45°	1921.5	1924.4	1907.0	1898.3	1907.0	1924.4	1921.5	1909.9	1814.0	1790.7	1816.9
47.5°	1831.4	1831.4	1816.9	1808.2	1816.9	1831.4	1831.4	1816.9	1715.1	1691.9	1706.4
50°	1735.5	1732.6	1712.2	1709.3	1712.2	1732.6	1735.5	1726.8	1619.2	1598.8	1598.8
52.5°	1625.0	1625.0	1627.9	1633.7	1627.9	1625.0	1625.0	1627.9	1532.0	1511.6	1505.8
55°	1529.1	1532.0	1552.3	1558.2	1552.3	1532.0	1529.1	1529.1	1441.9	1421.5	1409.9
57.5°	1430.2	1430.2	1444.8	1444.8	1444.8	1430.2	1430.2	1424.4	1340.1	1322.7	1316.9
60°	1316.9	1322.7	1334.3	1331.4	1334.3	1322.7	1316.9	1311.1	1238.4	1226.8	1206.4
62.5°	1197.7	1203.5	1206.4	1200.6	1206.4	1203.5	1197.7	1180.2	1136.6	1127.9	1101.8
65°	1072.7	1078.5	1081.4	1075.6	1081.4	1078.5	1072.7	1064.0	1032.0	1017.4	994.2
67.5°	944.8	941.9	939.0	950.6	939.0	941.9	944.8	933.1	912.8	901.2	869.2
70°	814.0	814.0	811.1	816.9	811.1	814.0	814.0	805.2	793.6	784.9	755.8
72.5°	674.4	671.5	683.1	674.4	683.1	671.5	674.4	671.5	665.7	657.0	627.9
75°	537.8	543.6	537.8	546.5	537.8	543.6	537.8	540.7	537.8	532.0	511.6
77.5°	409.9	415.7	409.9	409.9	409.9	415.7	409.9	412.8	412.8	412.8	395.4
80°	290.7	287.8	287.8	284.9	287.8	287.8	290.7	290.7	293.6	287.8	282.0
82.5°	186.0	183.1	183.1	189.0	183.1	183.1	186.0	189.0	183.1	183.1	183.1
85°	101.7	104.7	98.8	98.8	98.8	104.7	101.7	95.9	101.7	101.7	98.8
87.5°	37.8	34.9	34.9	34.9	34.9	34.9	37.8	40.7	40.7	40.7	43.6
90°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4
92.5°	344.5	330.8	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3
95°	1169.5	1128.0	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7
97.5°	2699.7	2620.8	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3
100°	3791.2	3697.1	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1
102.5°	4723.2	4642.6	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8
105°	5811.0	5767.7	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8
107.5°	6376.7	6387.2	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0
110°	6521.8	6566.9	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3



TEST NUMBER: P935979

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6429.3	6498.6	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5
115°	6115.6	6211.8	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6
117.5°	5682.3	5788.9	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8
120°	5390.4	5493.9	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2
122.5°	5098.5	5200.6	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4
125°	4712.2	4806.3	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9
127.5°	4402.3	4481.6	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2
130°	4206.4	4279.8	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2
132.5°	4039.7	4105.4	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8
135°	3803.9	3860.5	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5
137.5°	3629.9	3676.2	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1
140°	3490.2	3533.6	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7
142.5°	3392.4	3429.7	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0
145°	3245.5	3273.7	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0
147.5°	3122.2	3145.6	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8
150°	3051.5	3070.4	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1
152.5°	2995.3	3009.6	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1
155°	2928.2	2937.7	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3
157.5°	2870.2	2876.9	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6
160°	2841.1	2845.0	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7
162.5°	2814.0	2817.6	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1
165°	2772.2	2776.1	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4
167.5°	2754.1	2755.7	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8
172.5°	2739.7	2738.2	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9
177.5°	2716.0	2714.4	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935979

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3035.0	3049.5	3058.3	3069.9	3099.0
5°	2918.7	2974.0	2991.4	3035.0	3087.3
7.5°	2662.9	2831.5	2878.0	2982.7	3064.1
10°	2415.7	2584.4	2665.8	2912.9	3035.0
12.5°	2290.7	2389.6	2444.8	2790.8	2994.3
15°	2212.2	2282.0	2322.7	2628.0	2947.8
17.5°	2151.2	2200.6	2229.7	2468.0	2883.8
20°	2113.4	2136.6	2162.8	2351.8	2811.2
22.5°	2087.2	2072.7	2093.0	2270.4	2712.3
25°	2069.8	2014.6	2037.8	2206.4	2596.0
27.5°	2084.3	1962.2	1970.9	2148.3	2473.9
30°	2087.2	1898.3	1901.2	2087.2	2337.2
32.5°	2066.9	1831.4	1834.3	2011.6	2183.2
35°	2017.5	1752.9	1750.0	1924.4	1973.9
37.5°	1950.6	1668.6	1668.6	1828.5	1744.2
40°	1869.2	1584.3	1593.0	1703.5	1540.7
42.5°	1770.4	1494.2	1505.8	1537.8	1389.5
45°	1662.8	1407.0	1415.7	1299.4	1273.3
47.5°	1543.6	1316.9	1319.8	1078.5	1235.5
50°	1401.2	1223.8	1212.2	924.4	1232.6
52.5°	1276.2	1122.1	1087.2	837.2	1119.2
55°	1154.1	1014.5	939.0	770.4	1037.8
57.5°	1046.5	875.0	802.3	691.9	1020.4
60°	947.7	738.4	683.1	607.6	936.1
62.5°	866.3	636.6	625.0	549.4	848.8
65°	779.1	566.9	564.0	500.0	720.9
67.5°	694.8	520.4	517.4	453.5	549.4
70°	604.7	470.9	465.1	404.1	407.0
72.5°	511.6	415.7	409.9	363.4	337.2
75°	418.6	351.7	348.8	316.9	273.3
77.5°	328.5	279.1	284.9	255.8	200.6
80°	235.5	203.5	209.3	183.1	151.2
82.5°	157.0	133.7	139.5	116.3	101.7
85°	87.2	75.6	78.5	61.0	46.5
87.5°	40.7	34.9	34.9	23.3	14.5
90°	79.7	50.8	47.2	32.7	18.1
92.5°	492.0	349.9	319.1	195.7	72.5
95°	1210.6	681.7	625.3	399.6	174.0
97.5°	1630.6	748.8	699.0	500.0	301.0
100°	1783.5	805.0	759.9	579.4	398.8
102.5°	1853.6	861.2	819.1	650.7	482.3
105°	1905.6	944.7	909.0	766.4	623.7
107.5°	1915.2	1067.9	1034.7	901.8	768.8
110°	1900.8	1136.8	1106.8	986.7	866.7



TEST NUMBER: P935979

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1901.4	1220.3	1191.7	1077.2	962.8
115°	1918.9	1345.4	1319.0	1213.4	1107.9
117.5°	1954.5	1466.8	1442.8	1346.9	1251.1
120°	1983.5	1537.5	1514.9	1424.7	1334.4
122.5°	2025.3	1620.9	1598.2	1507.1	1416.0
125°	2081.5	1727.9	1707.2	1624.1	1541.2
127.5°	2137.6	1831.2	1810.3	1726.5	1642.6
130°	2178.7	1900.1	1877.5	1787.3	1697.1
132.5°	2211.9	1956.3	1933.7	1843.5	1753.3
135°	2248.3	2021.6	2001.1	1918.8	1836.6
137.5°	2302.6	2105.1	2084.7	2003.3	1921.9
140°	2335.9	2161.3	2142.6	2067.6	1992.7
142.5°	2363.7	2202.9	2185.6	2116.3	2047.0
145°	2399.9	2266.4	2251.3	2190.9	2130.4
147.5°	2453.1	2346.1	2331.4	2272.6	2213.8
150°	2480.9	2387.9	2374.6	2321.4	2268.2
152.5°	2499.1	2415.0	2405.0	2364.7	2324.4
155°	2539.0	2474.9	2467.5	2437.7	2407.9
157.5°	2578.8	2534.7	2527.4	2498.5	2469.5
160°	2597.0	2561.9	2556.3	2533.7	2511.2
162.5°	2616.3	2590.9	2586.6	2569.8	2552.8
165°	2644.1	2632.7	2628.8	2613.5	2598.2
167.5°	2665.9	2656.2	2654.4	2647.2	2639.9
170°	2684.0	2683.5	2681.6	2674.3	2667.1
172.5°	2685.2	2685.2	2684.8	2683.2	2681.6
175°	2696.1	2701.6	2701.6	2701.6	2701.6
177.5°	2697.3	2701.6	2701.6	2701.6	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P935979  
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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	10.60	11.31	11.70	12.41	13.93	13.45	14.16	14.55	15.26	16.78
	3H	11.06	11.70	12.17	12.81	14.34	14.79	15.43	15.90	16.54	18.07
	4H	11.24	11.85	12.37	12.96	14.50	15.23	15.84	16.35	16.95	18.48
	6H	11.36	11.91	12.49	13.03	14.58	15.51	16.07	16.64	17.18	18.73
	8H	11.35	11.88	12.49	13.01	14.55	15.58	16.12	16.72	17.24	18.79
	12H	11.32	11.82	12.46	12.94	14.51	15.62	16.13	16.76	17.25	18.81
4H	2H	11.61	12.22	12.74	13.33	14.87	13.84	14.44	14.97	15.55	17.09
	3H	12.63	13.13	13.76	14.27	15.82	15.34	15.84	16.47	16.98	18.53
	4H	12.90	13.36	14.04	14.49	16.06	15.86	16.33	17.00	17.45	19.02
	6H	13.01	13.41	14.16	14.56	16.12	16.22	16.62	17.37	17.77	19.33
	8H	13.02	13.39	14.16	14.53	16.11	16.33	16.70	17.47	17.84	19.42
	12H	12.98	13.31	14.14	14.46	16.05	16.38	16.72	17.54	17.87	19.45
8H	4H	13.34	13.71	14.49	14.85	16.43	15.97	16.35	17.12	17.48	19.06
	6H	13.60	13.91	14.76	15.09	16.66	16.41	16.72	17.57	17.90	19.47
	8H	13.64	13.91	14.81	15.07	16.66	16.56	16.83	17.73	17.99	19.59
	12H	13.62	13.85	14.79	15.01	16.64	16.66	16.89	17.83	18.05	19.68
12H	4H	13.34	13.68	14.50	14.83	16.41	15.93	16.27	17.09	17.42	19.00
	6H	13.66	13.93	14.83	15.09	16.68	16.40	16.67	17.58	17.83	19.43
	8H	13.72	13.95	14.89	15.11	16.74	16.56	16.80	17.74	17.96	19.58