

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: P935977

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935977
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

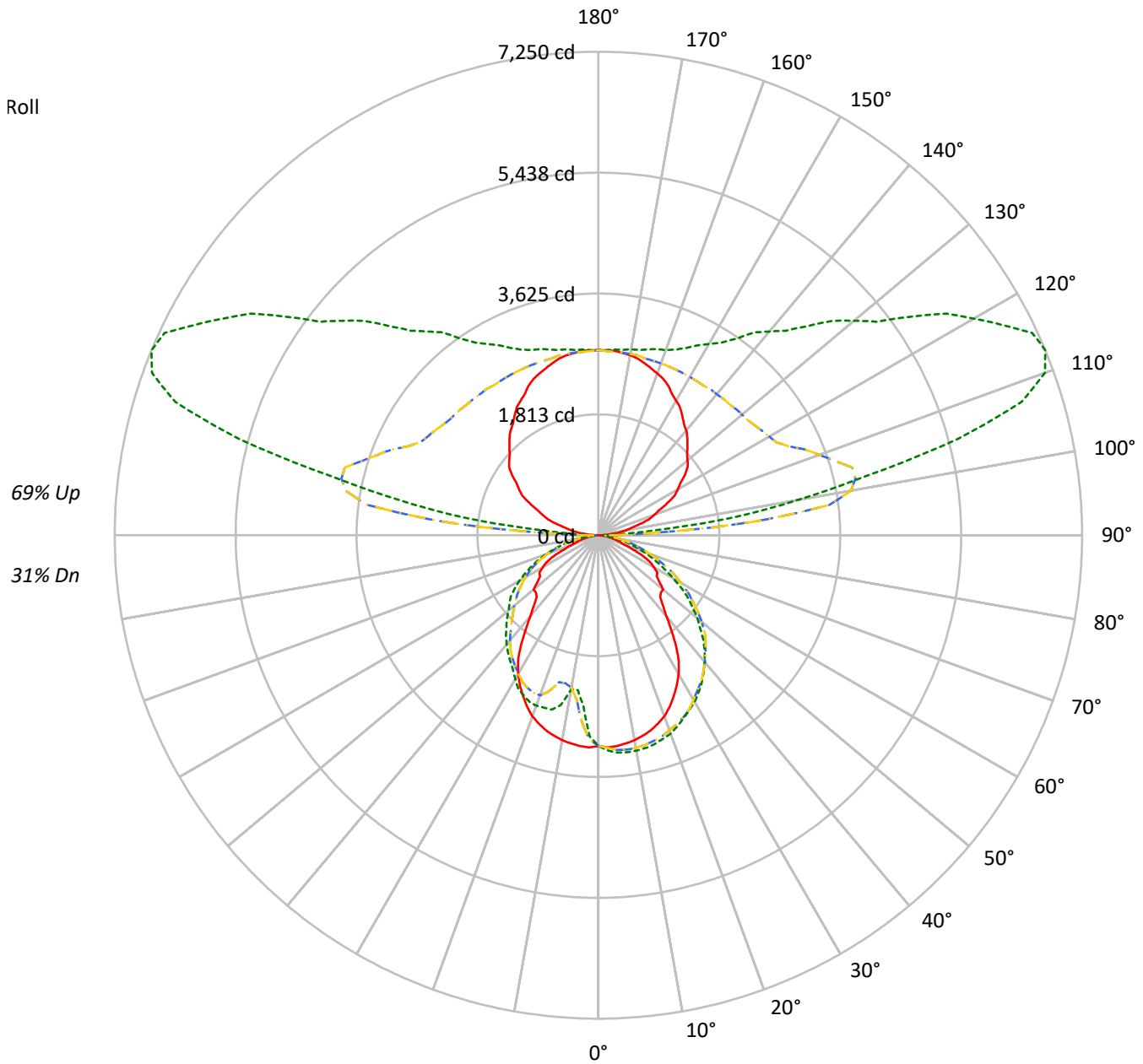
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26200.6 lumens
Efficiency: N/A
Efficacy: 137.3 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°	9769	9769	9769	9769
5°	9846	9862	9846	7754
10°	9784	9714	9784	6945
15°	9681	9504	9681	7936
20°	9482	9254	9482	7952
25°	9072	8891	9072	7784
30°	8539	8589	8539	7414
35°	7617	8207	7617	7007
40°	6350	7757	6350	6700
45°	5677	7231	5677	6347
50°	6036	6603	6036	5992
55°	5685	5927	5685	5787
60°	5867	5034	5867	5300
65°	5328	4161	5328	4652
70°	3698	3316	3698	3899
75°	3256	2451	3256	2935
80°	2643	1621	2643	1765
85°	1549	858	1549	730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.1
10°-20°	809.5	3.1
20°-30°	1251.3	4.8
30°-40°	1493.8	5.7
40°-50°	1502.5	5.7
50°-60°	1307.4	5.0
60°-70°	926.9	3.5
70°-80°	490.4	1.9
80°-90°	132.7	0.5
90°-100°	1353.6	5.2
100°-110°	3558.6	13.6
110°-120°	3689.9	14.1
120°-130°	2959.7	11.3
130°-140°	2322.3	8.9
140°-150°	1782.5	6.8
150°-160°	1283.7	4.9
160°-170°	785.4	3.0
170°-180°	265.4	1.0
0°-30°	2345.9	9.0
0°-40°	3839.7	14.7
0°-60°	6649.5	25.4
0°-90°	8199.6	31.3
90°-120°	8602.0	32.8
90°-150°	15666.6	59.8
90°-180°	18001.0	68.7
0°-180°	26200.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3158	3158	3158	3158	3158	
5°	3173	3272	3173	2573	3173	301
15°	3030	3242	3030	2707	3030	853
25°	2668	3024	2668	2648	2668	1225
35°	2029	2698	2029	2304	2029	1255
45°	1309	2223	1309	1951	1309	1048
55°	1067	1640	1067	1602	1067	980
65°	741	989	741	1106	741	708
75°	281	469	281	562	281	295
85°	48	120	48	102	48	65
90°	19	71	19	71	19	17
95°	179	818	179	818	179	199
105°	641	5572	641	5572	641	680
115°	1139	7175	1139	7175	1139	1125
125°	1584	5714	1584	5714	1584	1406
135°	1888	4434	1888	4434	1888	1461
145°	2190	3597	2190	3597	2190	1372
155°	2475	3097	2475	3097	2475	1137
165°	2671	2885	2671	2885	2671	754
175°	2777	2796	2777	2796	2777	264
180°	2777	2777	2777	2777	2777	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3185.3	3185.3	3203.2	3209.2	3209.2	3200.2	3191.3	3200.2	3227.1	3236.1	3233.1
5°	3173.4	3197.3	3230.1	3236.1	3242.1	3239.1	3233.1	3239.1	3269.0	3274.9	3277.9
7.5°	3149.5	3194.3	3236.1	3245.1	3254.0	3245.1	3242.1	3248.1	3277.9	3283.9	3283.9
10°	3119.6	3182.3	3230.1	3236.1	3245.1	3236.1	3236.1	3248.1	3277.9	3283.9	3286.9
12.5°	3077.7	3164.4	3209.2	3215.2	3227.1	3224.2	3221.2	3233.1	3263.0	3269.0	3269.0
15°	3029.9	3131.5	3173.4	3179.3	3200.2	3194.3	3194.3	3206.2	3239.1	3248.1	3245.1
17.5°	2964.2	3089.7	3137.5	3146.5	3161.4	3158.4	3161.4	3173.4	3203.2	3209.2	3212.2
20°	2889.5	3032.9	3089.7	3098.7	3113.6	3113.6	3113.6	3128.5	3158.4	3170.4	3170.4
22.5°	2787.9	2973.2	3032.9	3038.9	3056.8	3056.8	3062.8	3083.7	3110.6	3113.6	3113.6
25°	2668.4	2907.4	2958.2	2976.1	2994.1	3003.0	3012.0	3024.0	3032.9	3029.9	3032.9
27.5°	2542.8	2823.8	2889.5	2901.4	2925.4	2934.3	2946.3	2949.3	2952.2	2961.2	2955.2
30°	2402.4	2707.2	2805.8	2817.8	2856.6	2862.6	2850.7	2856.6	2871.6	2877.5	2883.5
32.5°	2244.0	2533.8	2719.2	2746.1	2781.9	2764.0	2761.0	2770.0	2793.9	2793.9	2799.9
35°	2028.9	2399.4	2638.5	2662.4	2689.3	2668.4	2680.3	2683.3	2698.3	2707.2	2704.2
37.5°	1792.8	2282.8	2554.7	2572.7	2593.6	2566.7	2584.6	2593.6	2605.5	2599.6	2599.6
40°	1583.6	2100.6	2456.1	2468.1	2486.0	2465.1	2483.0	2489.0	2495.0	2489.0	2486.0
42.5°	1428.3	1900.4	2351.6	2366.5	2354.5	2369.5	2375.5	2387.4	2378.4	2366.5	2366.5
45°	1308.7	1846.6	2238.0	2255.9	2238.0	2261.9	2270.9	2270.9	2244.0	2238.0	2235.0
47.5°	1269.9	1739.0	2124.5	2124.5	2115.5	2145.4	2160.3	2139.4	2112.5	2103.6	2103.6
50°	1266.9	1619.5	1969.1	1957.1	1999.0	2034.8	2019.9	1999.0	1978.1	1945.2	1945.2
52.5°	1150.4	1473.1	1768.9	1813.7	1879.5	1900.4	1876.5	1855.5	1819.7	1804.8	1792.8
55°	1066.7	1320.7	1586.6	1676.3	1745.0	1771.9	1727.1	1706.1	1652.4	1643.4	1637.4
57.5°	1048.8	1099.6	1419.3	1532.8	1616.5	1613.5	1586.6	1547.8	1503.0	1494.0	1491.0
60°	962.1	794.8	1240.0	1374.5	1461.1	1452.2	1428.3	1392.4	1350.6	1344.6	1338.6
62.5°	872.5	576.7	1036.8	1189.2	1311.7	1308.7	1287.8	1234.0	1204.2	1189.2	1177.3
65°	741.0	484.1	738.0	989.0	1165.3	1171.3	1126.5	1087.6	1054.8	1036.8	1033.8
67.5°	564.7	394.4	499.0	824.7	1024.9	1018.9	962.1	944.2	902.4	893.4	875.5
70°	418.3	262.9	346.6	669.3	887.4	872.5	827.7	806.8	767.9	747.0	735.0
72.5°	346.6	212.1	254.0	519.9	747.0	729.1	690.2	666.3	633.5	615.5	603.6
75°	280.9	224.1	194.2	385.5	606.6	594.6	558.8	534.9	508.0	484.1	487.0
77.5°	206.2	209.2	155.4	283.9	481.1	463.1	442.2	412.3	400.4	376.5	376.5
80°	155.4	164.3	116.5	194.2	346.6	346.6	328.7	307.8	286.8	274.9	274.9
82.5°	104.6	104.6	86.7	122.5	236.1	227.1	215.1	209.2	197.2	191.2	191.2
85°	47.8	59.8	53.8	74.7	128.5	134.5	134.5	128.5	125.5	119.5	122.5
87.5°	14.9	26.9	32.9	41.8	65.7	68.7	71.7	71.7	71.7	74.7	74.7
90°	18.6	33.6	48.5	52.2	82.0	121.7	141.6	125.9	94.4	70.8	70.8
92.5°	74.5	201.2	328.0	359.7	505.7	700.3	797.6	699.0	501.9	354.1	340.0
95°	178.9	410.8	642.7	700.7	1244.3	1969.1	2331.4	2080.4	1578.6	1202.1	1159.4
97.5°	309.4	513.9	718.5	769.7	1676.1	2884.5	3488.7	3330.1	3012.9	2775.0	2693.8
100°	410.0	595.5	781.1	827.5	1833.2	3174.2	3844.7	3856.2	3879.4	3896.8	3800.1
102.5°	495.7	668.8	841.9	885.2	1905.2	3265.3	3945.4	4147.4	4551.6	4854.8	4771.9
105°	641.1	787.7	934.3	971.0	1958.7	3275.6	3934.1	4387.2	5293.3	5972.9	5928.4
107.5°	790.2	926.9	1063.5	1097.7	1968.6	3129.8	3710.5	4342.5	5606.4	6554.4	6565.1
110°	890.8	1014.2	1137.6	1168.5	1953.8	3000.6	3524.1	4230.7	5643.7	6703.5	6749.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	989.6	1107.3	1224.9	1254.3	1954.4	2887.8	3354.5	4077.6	5523.8	6608.5	6679.7
115°	1138.7	1247.2	1355.8	1382.8	1972.4	2758.4	3151.4	3848.0	5241.2	6286.1	6384.9
117.5°	1285.9	1384.4	1483.0	1507.6	2008.9	2677.3	3011.6	3640.3	4897.6	5840.6	5950.2
120°	1371.6	1464.4	1557.1	1580.4	2038.8	2650.1	2955.7	3530.1	4678.9	5540.5	5647.0
122.5°	1455.5	1549.1	1642.7	1666.1	2081.7	2635.8	2912.9	3430.1	4464.7	5240.6	5345.5
125°	1584.1	1669.4	1754.8	1776.1	2139.5	2624.1	2866.3	3305.7	4184.5	4843.5	4940.3
127.5°	1688.4	1774.6	1860.7	1882.2	2197.2	2617.2	2827.1	3204.4	3959.0	4524.9	4606.5
130°	1744.4	1837.1	1929.8	1953.1	2239.4	2621.3	2812.2	3148.1	3819.9	4323.6	4399.0
132.5°	1802.2	1894.9	1987.6	2010.8	2273.6	2624.0	2799.2	3099.9	3701.2	4152.2	4219.8
135°	1887.8	1972.3	2056.8	2078.0	2310.9	2621.6	2776.8	3028.6	3532.2	3909.9	3968.1
137.5°	1975.5	2059.1	2142.8	2163.7	2366.8	2637.6	2773.1	2985.9	3411.7	3731.0	3778.6
140°	2048.2	2125.2	2202.3	2221.5	2401.0	2640.3	2760.0	2943.9	3311.7	3587.5	3632.0
142.5°	2104.0	2175.3	2246.5	2264.3	2429.5	2649.9	2760.0	2921.6	3244.6	3486.9	3525.2
145°	2189.8	2252.0	2314.0	2329.5	2466.8	2649.9	2741.4	2873.5	3137.7	3335.9	3364.9
147.5°	2275.5	2335.9	2396.4	2411.5	2521.5	2668.1	2741.4	2845.4	3053.2	3209.2	3233.2
150°	2331.4	2386.1	2440.8	2454.4	2550.1	2677.6	2741.4	2829.2	3004.8	3136.5	3155.9
152.5°	2389.2	2430.6	2472.0	2482.3	2568.7	2683.8	2741.4	2816.4	2966.3	3078.7	3093.5
155°	2475.0	2505.6	2536.2	2543.9	2609.7	2697.5	2741.4	2801.1	2920.4	3009.8	3019.6
157.5°	2538.3	2568.1	2597.9	2605.3	2650.7	2711.1	2741.4	2787.8	2880.5	2950.2	2957.0
160°	2581.1	2604.3	2627.5	2633.3	2669.4	2717.4	2741.4	2781.1	2860.6	2920.3	2924.3
162.5°	2624.0	2641.4	2658.7	2663.1	2689.2	2724.0	2741.4	2775.0	2842.1	2892.4	2896.1
165°	2670.6	2686.3	2702.0	2706.0	2717.8	2733.5	2741.4	2765.4	2813.4	2849.5	2853.4
167.5°	2713.5	2721.0	2728.3	2730.2	2740.2	2753.4	2760.0	2775.8	2807.2	2830.8	2832.5
170°	2741.4	2748.9	2756.3	2758.2	2758.8	2759.6	2760.0	2775.8	2807.2	2830.8	2830.8
172.5°	2756.3	2757.9	2759.6	2760.0	2760.0	2760.0	2760.0	2772.5	2797.4	2816.0	2814.5
175°	2776.8	2776.8	2776.8	2776.8	2771.3	2763.8	2760.0	2767.9	2783.6	2795.5	2795.5
177.5°	2776.8	2776.8	2776.8	2776.8	2772.5	2766.7	2763.8	2770.0	2782.4	2791.7	2790.0
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3239.1	3230.1	3239.1	3233.1	3236.1	3227.1	3200.2	3191.3	3200.2	3209.2	3209.2
5°	3277.9	3272.0	3277.9	3277.9	3274.9	3269.0	3239.1	3233.1	3239.1	3242.1	3236.1
7.5°	3289.9	3280.9	3289.9	3283.9	3283.9	3277.9	3248.1	3242.1	3245.1	3254.0	3245.1
10°	3289.9	3280.9	3289.9	3286.9	3283.9	3277.9	3248.1	3236.1	3236.1	3245.1	3236.1
12.5°	3274.9	3269.0	3274.9	3269.0	3269.0	3263.0	3233.1	3221.2	3224.2	3227.1	3215.2
15°	3251.0	3242.1	3251.0	3245.1	3248.1	3239.1	3206.2	3194.3	3194.3	3200.2	3179.3
17.5°	3215.2	3203.2	3215.2	3212.2	3209.2	3203.2	3173.4	3161.4	3158.4	3161.4	3146.5
20°	3173.4	3164.4	3173.4	3170.4	3170.4	3158.4	3128.5	3113.6	3113.6	3113.6	3098.7
22.5°	3107.6	3098.7	3107.6	3113.6	3113.6	3110.6	3083.7	3062.8	3056.8	3056.8	3038.9
25°	3032.9	3024.0	3032.9	3032.9	3029.9	3032.9	3024.0	3012.0	3003.0	2994.1	2976.1
27.5°	2961.2	2955.2	2961.2	2955.2	2961.2	2952.2	2949.3	2946.3	2934.3	2925.4	2901.4
30°	2889.5	2883.5	2889.5	2883.5	2877.5	2871.6	2856.6	2850.7	2862.6	2856.6	2817.8
32.5°	2799.9	2793.9	2799.9	2799.9	2793.9	2793.9	2770.0	2761.0	2764.0	2781.9	2746.1
35°	2707.2	2698.3	2707.2	2704.2	2707.2	2698.3	2683.3	2680.3	2668.4	2689.3	2662.4
37.5°	2599.6	2590.6	2599.6	2599.6	2599.6	2605.5	2593.6	2584.6	2566.7	2593.6	2572.7
40°	2489.0	2477.1	2489.0	2486.0	2489.0	2495.0	2489.0	2483.0	2465.1	2486.0	2468.1
42.5°	2363.5	2360.5	2363.5	2366.5	2366.5	2378.4	2387.4	2375.5	2369.5	2354.5	2366.5
45°	2229.0	2223.1	2229.0	2235.0	2238.0	2244.0	2270.9	2270.9	2261.9	2238.0	2255.9
47.5°	2085.6	2070.7	2085.6	2103.6	2103.6	2112.5	2139.4	2160.3	2145.4	2115.5	2124.5
50°	1933.2	1936.2	1933.2	1945.2	1945.2	1978.1	1999.0	2019.9	2034.8	1999.0	1957.1
52.5°	1783.8	1780.8	1783.8	1792.8	1804.8	1819.7	1855.5	1876.5	1900.4	1879.5	1813.7
55°	1634.4	1640.4	1634.4	1637.4	1643.4	1652.4	1706.1	1727.1	1771.9	1745.0	1676.3
57.5°	1485.0	1476.1	1485.0	1491.0	1494.0	1503.0	1547.8	1586.6	1613.5	1616.5	1532.8
60°	1311.7	1299.8	1311.7	1338.6	1344.6	1350.6	1392.4	1428.3	1452.2	1461.1	1374.5
62.5°	1159.3	1138.4	1159.3	1177.3	1189.2	1204.2	1234.0	1287.8	1308.7	1311.7	1189.2
65°	998.0	989.0	998.0	1033.8	1036.8	1054.8	1087.6	1126.5	1171.3	1165.3	989.0
67.5°	851.6	851.6	851.6	875.5	893.4	902.4	944.2	962.1	1018.9	1024.9	824.7
70°	717.1	714.1	717.1	735.0	747.0	767.9	806.8	827.7	872.5	887.4	669.3
72.5°	588.6	585.6	588.6	603.6	615.5	633.5	666.3	690.2	729.1	747.0	519.9
75°	475.1	469.1	475.1	487.0	484.1	508.0	534.9	558.8	594.6	606.6	385.5
77.5°	364.5	364.5	364.5	376.5	376.5	400.4	412.3	442.2	463.1	481.1	283.9
80°	271.9	268.9	271.9	274.9	274.9	286.8	307.8	328.7	346.6	346.6	194.2
82.5°	191.2	185.3	191.2	191.2	191.2	197.2	209.2	215.1	227.1	236.1	122.5
85°	119.5	119.5	119.5	122.5	119.5	125.5	128.5	134.5	134.5	128.5	74.7
87.5°	77.7	74.7	77.7	74.7	74.7	71.7	71.7	71.7	68.7	65.7	41.8
90°	70.8	70.8	70.8	70.8	70.8	94.4	125.9	141.6	121.7	82.0	52.2
92.5°	283.7	227.4	283.7	340.0	354.1	501.9	699.0	797.6	700.3	505.7	359.7
95°	988.7	818.1	988.7	1159.4	1202.1	1578.6	2080.4	2331.4	1969.1	1244.3	700.7
97.5°	2369.1	2044.4	2369.1	2693.8	2775.0	3012.9	3330.1	3488.7	2884.5	1676.1	769.7
100°	3413.4	3026.5	3413.4	3800.1	3896.8	3879.4	3856.2	3844.7	3174.2	1833.2	827.5
102.5°	4440.7	4109.3	4440.7	4771.9	4854.8	4551.6	4147.4	3945.4	3265.3	1905.2	885.2
105°	5750.4	5572.3	5750.4	5928.4	5972.9	5293.3	4387.2	3934.1	3275.6	1958.7	971.0
107.5°	6608.3	6651.3	6608.3	6565.1	6554.4	5606.4	4342.5	3710.5	3129.8	1968.6	1097.7
110°	6935.4	7121.0	6935.4	6749.9	6703.5	5643.7	4230.7	3524.1	3000.6	1953.8	1168.5



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6964.6	7249.6	6964.6	6679.7	6608.5	5523.8	4077.6	3354.5	2887.8	1954.4	1254.3
115°	6779.9	7175.0	6779.9	6384.9	6286.1	5241.2	3848.0	3151.4	2758.4	1972.4	1382.8
117.5°	6388.3	6826.5	6388.3	5950.2	5840.6	4897.6	3640.3	3011.6	2677.3	2008.9	1507.6
120°	6072.7	6498.5	6072.7	5647.0	5540.5	4678.9	3530.1	2955.7	2650.1	2038.8	1580.4
122.5°	5765.5	6185.5	5765.5	5345.5	5240.6	4464.7	3430.1	2912.9	2635.8	2081.7	1666.1
125°	5327.1	5714.0	5327.1	4940.3	4843.5	4184.5	3305.7	2866.3	2624.1	2139.5	1776.1
127.5°	4932.9	5259.2	4932.9	4606.5	4524.9	3959.0	3204.4	2827.1	2617.2	2197.2	1882.2
130°	4700.5	5002.0	4700.5	4399.0	4323.6	3819.9	3148.1	2812.2	2621.3	2239.4	1953.1
132.5°	4489.7	4759.7	4489.7	4219.8	4152.2	3701.2	3099.9	2799.2	2624.0	2273.6	2010.8
135°	4200.8	4433.6	4200.8	3968.1	3909.9	3532.2	3028.6	2776.8	2621.6	2310.9	2078.0
137.5°	3969.2	4159.6	3969.2	3778.6	3731.0	3411.7	2985.9	2773.1	2637.6	2366.8	2163.7
140°	3810.1	3988.2	3810.1	3632.0	3587.5	3311.7	2943.9	2760.0	2640.3	2401.0	2221.5
142.5°	3678.4	3831.6	3678.4	3525.2	3486.9	3244.6	2921.6	2760.0	2649.9	2429.5	2264.3
145°	3480.9	3596.9	3480.9	3364.9	3335.9	3137.7	2873.5	2741.4	2649.9	2466.8	2329.5
147.5°	3329.3	3425.3	3329.3	3233.2	3209.2	3053.2	2845.4	2741.4	2668.1	2521.5	2411.5
150°	3233.8	3311.7	3233.8	3155.9	3136.5	3004.8	2829.2	2741.4	2677.6	2550.1	2454.4
152.5°	3152.2	3211.0	3152.2	3093.5	3078.7	2966.3	2816.4	2741.4	2683.8	2568.7	2482.3
155°	3058.4	3097.4	3058.4	3019.6	3009.8	2920.4	2801.1	2741.4	2697.5	2609.7	2543.9
157.5°	2984.3	3011.6	2984.3	2957.0	2950.2	2880.5	2787.8	2741.4	2711.1	2650.7	2605.3
160°	2940.0	2955.7	2940.0	2924.3	2920.3	2860.6	2781.1	2741.4	2717.4	2669.4	2633.3
162.5°	2911.0	2925.9	2911.0	2896.1	2892.4	2842.1	2775.0	2741.4	2724.0	2689.2	2663.1
165°	2869.2	2884.9	2869.2	2853.4	2849.5	2813.4	2765.4	2741.4	2733.5	2717.8	2706.0
167.5°	2839.1	2845.8	2839.1	2832.5	2830.8	2807.2	2775.8	2760.0	2753.4	2740.2	2730.2
170°	2830.8	2830.8	2830.8	2830.8	2830.8	2807.2	2775.8	2760.0	2759.6	2758.8	2758.2
172.5°	2808.7	2802.9	2808.7	2814.5	2816.0	2797.4	2772.5	2760.0	2760.0	2760.0	2760.0
175°	2795.5	2795.5	2795.5	2795.5	2795.5	2783.6	2767.9	2760.0	2763.8	2771.3	2776.8
177.5°	2783.4	2776.8	2783.4	2790.0	2791.7	2782.4	2770.0	2763.8	2766.7	2772.5	2776.8
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3203.2	3185.3	3185.3	3155.4	3143.5	3134.5	3119.6	3074.8	3062.8	3050.8	3068.8
5°	3230.1	3197.3	3173.4	3119.6	3074.8	3056.8	3000.1	2892.5	2820.8	2767.0	2737.1
7.5°	3236.1	3194.3	3149.5	3065.8	2958.2	2910.4	2737.1	2539.8	2486.0	2438.2	2408.3
10°	3230.1	3182.3	3119.6	2994.1	2740.1	2656.4	2483.0	2354.5	2321.7	2312.7	2321.7
12.5°	3209.2	3164.4	3077.7	2868.6	2512.9	2456.1	2354.5	2279.8	2273.9	2288.8	2369.5
15°	3173.4	3131.5	3029.9	2701.3	2387.4	2345.6	2273.9	2247.0	2279.8	2384.4	2626.5
17.5°	3137.5	3089.7	2964.2	2536.8	2291.8	2261.9	2211.1	2264.9	2450.2	2590.6	2671.4
20°	3089.7	3032.9	2889.5	2417.3	2223.1	2196.2	2172.3	2414.3	2554.7	2605.5	2650.5
22.5°	3032.9	2973.2	2787.9	2333.6	2151.4	2130.4	2145.4	2498.0	2554.7	2590.6	2629.4
25°	2958.2	2907.4	2668.4	2267.9	2094.6	2070.7	2127.5	2489.0	2521.9	2530.8	2608.5
27.5°	2889.5	2823.8	2542.8	2208.1	2025.9	2016.9	2142.4	2450.2	2474.1	2483.0	2566.7
30°	2805.8	2707.2	2402.4	2145.4	1954.2	1951.2	2145.4	2402.4	2396.4	2420.3	2503.9
32.5°	2719.2	2533.8	2244.0	2067.7	1885.4	1882.4	2124.5	2330.6	2324.7	2357.5	2420.3
35°	2638.5	2399.4	2028.9	1978.1	1798.8	1801.8	2073.7	2247.0	2250.0	2279.8	2318.7
37.5°	2554.7	2282.8	1792.8	1879.5	1715.1	1715.1	2004.9	2169.3	2163.3	2172.3	2226.1
40°	2456.1	2100.6	1583.6	1751.0	1637.4	1628.5	1921.3	2085.6	2064.7	2061.7	2136.4
42.5°	2351.6	1900.4	1428.3	1580.7	1547.8	1535.8	1819.7	1984.0	1945.2	1954.2	2049.8
45°	2238.0	1846.6	1308.7	1335.6	1455.2	1446.2	1709.1	1867.5	1840.6	1864.5	1963.1
47.5°	2124.5	1739.0	1269.9	1108.5	1356.6	1353.6	1586.6	1754.0	1739.0	1762.9	1867.5
50°	1969.1	1619.5	1266.9	950.2	1246.0	1257.9	1440.2	1643.4	1643.4	1664.3	1774.9
52.5°	1768.9	1473.1	1150.4	860.5	1117.5	1153.4	1311.7	1547.8	1553.8	1574.7	1673.3
55°	1586.6	1320.7	1066.7	791.8	965.1	1042.8	1186.2	1449.2	1461.1	1482.0	1571.7
57.5°	1419.3	1099.6	1048.8	711.1	824.7	899.4	1075.7	1353.6	1359.5	1377.5	1464.1
60°	1240.0	794.8	962.1	624.5	702.2	759.0	974.1	1240.0	1260.9	1272.9	1347.6
62.5°	1036.8	576.7	872.5	564.7	642.4	654.4	890.4	1132.5	1159.3	1168.3	1213.1
65°	738.0	484.1	741.0	513.9	579.7	582.7	800.8	1021.9	1045.8	1060.7	1093.6
67.5°	499.0	394.4	564.7	466.1	531.9	534.9	714.1	893.4	926.3	938.2	959.1
70°	346.6	262.9	418.3	415.3	478.1	484.1	621.5	776.9	806.8	815.7	827.7
72.5°	254.0	212.1	346.6	373.5	421.3	427.3	525.9	645.4	675.3	684.3	690.2
75°	194.2	224.1	280.9	325.7	358.6	361.5	430.3	525.9	546.8	552.8	555.8
77.5°	155.4	209.2	206.2	262.9	292.8	286.8	337.6	406.4	424.3	424.3	424.3
80°	116.5	164.3	155.4	188.2	215.1	209.2	242.0	289.8	295.8	301.8	298.8
82.5°	86.7	104.6	104.6	119.5	143.4	137.4	161.4	188.2	188.2	188.2	194.2
85°	53.8	59.8	47.8	62.7	80.7	77.7	89.6	101.6	104.6	104.6	98.6
87.5°	32.9	26.9	14.9	23.9	35.9	35.9	41.8	44.8	41.8	41.8	41.8
90°	48.5	33.6	18.6	33.6	48.5	52.2	82.0	121.7	141.6	125.9	94.4
92.5°	328.0	201.2	74.5	201.2	328.0	359.7	505.7	700.3	797.6	699.0	501.9
95°	642.7	410.8	178.9	410.8	642.7	700.7	1244.3	1969.1	2331.4	2080.4	1578.6
97.5°	718.5	513.9	309.4	513.9	718.5	769.7	1676.1	2884.5	3488.7	3330.1	3012.9
100°	781.1	595.5	410.0	595.5	781.1	827.5	1833.2	3174.2	3844.7	3856.2	3879.4
102.5°	841.9	668.8	495.7	668.8	841.9	885.2	1905.2	3265.3	3945.4	4147.4	4551.6
105°	934.3	787.7	641.1	787.7	934.3	971.0	1958.7	3275.6	3934.1	4387.2	5293.3
107.5°	1063.5	926.9	790.2	926.9	1063.5	1097.7	1968.6	3129.8	3710.5	4342.5	5606.4
110°	1137.6	1014.2	890.8	1014.2	1137.6	1168.5	1953.8	3000.6	3524.1	4230.7	5643.7



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1224.9	1107.3	989.6	1107.3	1224.9	1254.3	1954.4	2887.8	3354.5	4077.6	5523.8
115°	1355.8	1247.2	1138.7	1247.2	1355.8	1382.8	1972.4	2758.4	3151.4	3848.0	5241.2
117.5°	1483.0	1384.4	1285.9	1384.4	1483.0	1507.6	2008.9	2677.3	3011.6	3640.3	4897.6
120°	1557.1	1464.4	1371.6	1464.4	1557.1	1580.4	2038.8	2650.1	2955.7	3530.1	4678.9
122.5°	1642.7	1549.1	1455.5	1549.1	1642.7	1666.1	2081.7	2635.8	2912.9	3430.1	4464.7
125°	1754.8	1669.4	1584.1	1669.4	1754.8	1776.1	2139.5	2624.1	2866.3	3305.7	4184.5
127.5°	1860.7	1774.6	1688.4	1774.6	1860.7	1882.2	2197.2	2617.2	2827.1	3204.4	3959.0
130°	1929.8	1837.1	1744.4	1837.1	1929.8	1953.1	2239.4	2621.3	2812.2	3148.1	3819.9
132.5°	1987.6	1894.9	1802.2	1894.9	1987.6	2010.8	2273.6	2624.0	2799.2	3099.9	3701.2
135°	2056.8	1972.3	1887.8	1972.3	2056.8	2078.0	2310.9	2621.6	2776.8	3028.6	3532.2
137.5°	2142.8	2059.1	1975.5	2059.1	2142.8	2163.7	2366.8	2637.6	2773.1	2985.9	3411.7
140°	2202.3	2125.2	2048.2	2125.2	2202.3	2221.5	2401.0	2640.3	2760.0	2943.9	3311.7
142.5°	2246.5	2175.3	2104.0	2175.3	2246.5	2264.3	2429.5	2649.9	2760.0	2921.6	3244.6
145°	2314.0	2252.0	2189.8	2252.0	2314.0	2329.5	2466.8	2649.9	2741.4	2873.5	3137.7
147.5°	2396.4	2335.9	2275.5	2335.9	2396.4	2411.5	2521.5	2668.1	2741.4	2845.4	3053.2
150°	2440.8	2386.1	2331.4	2386.1	2440.8	2454.4	2550.1	2677.6	2741.4	2829.2	3004.8
152.5°	2472.0	2430.6	2389.2	2430.6	2472.0	2482.3	2568.7	2683.8	2741.4	2816.4	2966.3
155°	2536.2	2505.6	2475.0	2505.6	2536.2	2543.9	2609.7	2697.5	2741.4	2801.1	2920.4
157.5°	2597.9	2568.1	2538.3	2568.1	2597.9	2605.3	2650.7	2711.1	2741.4	2787.8	2880.5
160°	2627.5	2604.3	2581.1	2604.3	2627.5	2633.3	2669.4	2717.4	2741.4	2781.1	2860.6
162.5°	2658.7	2641.4	2624.0	2641.4	2658.7	2663.1	2689.2	2724.0	2741.4	2775.0	2842.1
165°	2702.0	2686.3	2670.6	2686.3	2702.0	2706.0	2717.8	2733.5	2741.4	2765.4	2813.4
167.5°	2728.3	2721.0	2713.5	2721.0	2728.3	2730.2	2740.2	2753.4	2760.0	2775.8	2807.2
170°	2756.3	2748.9	2741.4	2748.9	2756.3	2758.2	2758.8	2759.6	2760.0	2775.8	2807.2
172.5°	2759.6	2757.9	2756.3	2757.9	2759.6	2760.0	2760.0	2760.0	2760.0	2772.5	2797.4
175°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2771.3	2763.8	2760.0	2767.9	2783.6
177.5°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2772.5	2766.7	2763.8	2770.0	2782.4
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3047.9	3038.9	3050.8	3018.0	3050.8	3038.9	3047.9	3068.8	3050.8	3062.8	3074.8
5°	2674.4	2659.4	2611.5	2572.7	2611.5	2659.4	2674.4	2737.1	2767.0	2820.8	2892.5
7.5°	2390.4	2378.4	2366.5	2342.6	2366.5	2378.4	2390.4	2408.3	2438.2	2486.0	2539.8
10°	2327.7	2330.6	2348.6	2345.6	2348.6	2330.6	2327.7	2321.7	2312.7	2321.7	2354.5
12.5°	2489.0	2515.9	2614.5	2608.5	2614.5	2515.9	2489.0	2369.5	2288.8	2273.9	2279.8
15°	2674.4	2683.3	2704.2	2707.2	2704.2	2683.3	2674.4	2626.5	2384.4	2279.8	2247.0
17.5°	2692.3	2695.3	2710.2	2710.2	2710.2	2695.3	2692.3	2671.4	2590.6	2450.2	2264.9
20°	2677.3	2683.3	2713.2	2719.2	2713.2	2683.3	2677.3	2650.5	2605.5	2554.7	2414.3
22.5°	2671.4	2683.3	2707.2	2704.2	2707.2	2683.3	2671.4	2629.4	2590.6	2554.7	2498.0
25°	2641.5	2641.5	2644.5	2647.5	2644.5	2641.5	2641.5	2608.5	2530.8	2521.9	2489.0
27.5°	2578.6	2584.6	2602.5	2599.6	2602.5	2584.6	2578.6	2566.7	2483.0	2474.1	2450.2
30°	2521.9	2515.9	2501.0	2489.0	2501.0	2515.9	2521.9	2503.9	2420.3	2396.4	2402.4
32.5°	2426.3	2411.3	2396.4	2387.4	2396.4	2411.3	2426.3	2420.3	2357.5	2324.7	2330.6
35°	2312.7	2315.7	2312.7	2303.7	2312.7	2315.7	2312.7	2318.7	2279.8	2250.0	2247.0
37.5°	2232.0	2238.0	2235.0	2223.1	2235.0	2238.0	2232.0	2226.1	2172.3	2163.3	2169.3
40°	2148.4	2151.4	2148.4	2139.4	2148.4	2151.4	2148.4	2136.4	2061.7	2064.7	2085.6
42.5°	2067.7	2064.7	2055.7	2049.8	2055.7	2064.7	2067.7	2049.8	1954.2	1945.2	1984.0
45°	1975.1	1978.1	1960.1	1951.2	1960.1	1978.1	1975.1	1963.1	1864.5	1840.6	1867.5
47.5°	1882.4	1882.4	1867.5	1858.5	1867.5	1882.4	1882.4	1867.5	1762.9	1739.0	1754.0
50°	1783.8	1780.8	1759.9	1756.9	1759.9	1780.8	1783.8	1774.9	1664.3	1643.4	1643.4
52.5°	1670.3	1670.3	1673.3	1679.3	1673.3	1670.3	1670.3	1673.3	1574.7	1553.8	1547.8
55°	1571.7	1574.7	1595.6	1601.6	1595.6	1574.7	1571.7	1571.7	1482.0	1461.1	1449.2
57.5°	1470.1	1470.1	1485.0	1485.0	1485.0	1470.1	1470.1	1464.1	1377.5	1359.5	1353.6
60°	1353.6	1359.5	1371.5	1368.5	1371.5	1359.5	1353.6	1347.6	1272.9	1260.9	1240.0
62.5°	1231.1	1237.0	1240.0	1234.0	1240.0	1237.0	1231.1	1213.1	1168.3	1159.3	1132.5
65°	1102.6	1108.5	1111.5	1105.6	1111.5	1108.5	1102.6	1093.6	1060.7	1045.8	1021.9
67.5°	971.1	968.1	965.1	977.1	965.1	968.1	971.1	959.1	938.2	926.3	893.4
70°	836.6	836.6	833.7	839.6	833.7	836.6	836.6	827.7	815.7	806.8	776.9
72.5°	693.2	690.2	702.2	693.2	702.2	690.2	693.2	690.2	684.3	675.3	645.4
75°	552.8	558.8	552.8	561.7	552.8	558.8	552.8	555.8	552.8	546.8	525.9
77.5°	421.3	427.3	421.3	421.3	421.3	427.3	421.3	424.3	424.3	424.3	406.4
80°	298.8	295.8	295.8	292.8	295.8	295.8	298.8	298.8	301.8	295.8	289.8
82.5°	191.2	188.2	188.2	194.2	188.2	188.2	191.2	194.2	188.2	188.2	188.2
85°	104.6	107.6	101.6	101.6	101.6	107.6	104.6	98.6	104.6	104.6	101.6
87.5°	38.8	35.9	35.9	35.9	35.9	35.9	38.8	41.8	41.8	41.8	44.8
90°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	94.4	125.9	141.6	121.7
92.5°	354.1	340.0	283.7	227.4	283.7	340.0	354.1	501.9	699.0	797.6	700.3
95°	1202.1	1159.4	988.7	818.1	988.7	1159.4	1202.1	1578.6	2080.4	2331.4	1969.1
97.5°	2775.0	2693.8	2369.1	2044.4	2369.1	2693.8	2775.0	3012.9	3330.1	3488.7	2884.5
100°	3896.8	3800.1	3413.4	3026.5	3413.4	3800.1	3896.8	3879.4	3856.2	3844.7	3174.2
102.5°	4854.8	4771.9	4440.7	4109.3	4440.7	4771.9	4854.8	4551.6	4147.4	3945.4	3265.3
105°	5972.9	5928.4	5750.4	5572.3	5750.4	5928.4	5972.9	5293.3	4387.2	3934.1	3275.6
107.5°	6554.4	6565.1	6608.3	6651.3	6608.3	6565.1	6554.4	5606.4	4342.5	3710.5	3129.8
110°	6703.5	6749.9	6935.4	7121.0	6935.4	6749.9	6703.5	5643.7	4230.7	3524.1	3000.6



TEST NUMBER: P935977

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6608.5	6679.7	6964.6	7249.6	6964.6	6679.7	6608.5	5523.8	4077.6	3354.5	2887.8
115°	6286.1	6384.9	6779.9	7175.0	6779.9	6384.9	6286.1	5241.2	3848.0	3151.4	2758.4
117.5°	5840.6	5950.2	6388.3	6826.5	6388.3	5950.2	5840.6	4897.6	3640.3	3011.6	2677.3
120°	5540.5	5647.0	6072.7	6498.5	6072.7	5647.0	5540.5	4678.9	3530.1	2955.7	2650.1
122.5°	5240.6	5345.5	5765.5	6185.5	5765.5	5345.5	5240.6	4464.7	3430.1	2912.9	2635.8
125°	4843.5	4940.3	5327.1	5714.0	5327.1	4940.3	4843.5	4184.5	3305.7	2866.3	2624.1
127.5°	4524.9	4606.5	4932.9	5259.2	4932.9	4606.5	4524.9	3959.0	3204.4	2827.1	2617.2
130°	4323.6	4399.0	4700.5	5002.0	4700.5	4399.0	4323.6	3819.9	3148.1	2812.2	2621.3
132.5°	4152.2	4219.8	4489.7	4759.7	4489.7	4219.8	4152.2	3701.2	3099.9	2799.2	2624.0
135°	3909.9	3968.1	4200.8	4433.6	4200.8	3968.1	3909.9	3532.2	3028.6	2776.8	2621.6
137.5°	3731.0	3778.6	3969.2	4159.6	3969.2	3778.6	3731.0	3411.7	2985.9	2773.1	2637.6
140°	3587.5	3632.0	3810.1	3988.2	3810.1	3632.0	3587.5	3311.7	2943.9	2760.0	2640.3
142.5°	3486.9	3525.2	3678.4	3831.6	3678.4	3525.2	3486.9	3244.6	2921.6	2760.0	2649.9
145°	3335.9	3364.9	3480.9	3596.9	3480.9	3364.9	3335.9	3137.7	2873.5	2741.4	2649.9
147.5°	3209.2	3233.2	3329.3	3425.3	3329.3	3233.2	3209.2	3053.2	2845.4	2741.4	2668.1
150°	3136.5	3155.9	3233.8	3311.7	3233.8	3155.9	3136.5	3004.8	2829.2	2741.4	2677.6
152.5°	3078.7	3093.5	3152.2	3211.0	3152.2	3093.5	3078.7	2966.3	2816.4	2741.4	2683.8
155°	3009.8	3019.6	3058.4	3097.4	3058.4	3019.6	3009.8	2920.4	2801.1	2741.4	2697.5
157.5°	2950.2	2957.0	2984.3	3011.6	2984.3	2957.0	2950.2	2880.5	2787.8	2741.4	2711.1
160°	2920.3	2924.3	2940.0	2955.7	2940.0	2924.3	2920.3	2860.6	2781.1	2741.4	2717.4
162.5°	2892.4	2896.1	2911.0	2925.9	2911.0	2896.1	2892.4	2842.1	2775.0	2741.4	2724.0
165°	2849.5	2853.4	2869.2	2884.9	2869.2	2853.4	2849.5	2813.4	2765.4	2741.4	2733.5
167.5°	2830.8	2832.5	2839.1	2845.8	2839.1	2832.5	2830.8	2807.2	2775.8	2760.0	2753.4
170°	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2807.2	2775.8	2760.0	2759.6
172.5°	2816.0	2814.5	2808.7	2802.9	2808.7	2814.5	2816.0	2797.4	2772.5	2760.0	2760.0
175°	2795.5	2795.5	2795.5	2795.5	2795.5	2795.5	2795.5	2783.6	2767.9	2760.0	2763.8
177.5°	2791.7	2790.0	2783.4	2776.8	2783.4	2790.0	2791.7	2782.4	2770.0	2763.8	2766.7
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3119.6	3134.5	3143.5	3155.4	3185.3
5°	3000.1	3056.8	3074.8	3119.6	3173.4
7.5°	2737.1	2910.4	2958.2	3065.8	3149.5
10°	2483.0	2656.4	2740.1	2994.1	3119.6
12.5°	2354.5	2456.1	2512.9	2868.6	3077.7
15°	2273.9	2345.6	2387.4	2701.3	3029.9
17.5°	2211.1	2261.9	2291.8	2536.8	2964.2
20°	2172.3	2196.2	2223.1	2417.3	2889.5
22.5°	2145.4	2130.4	2151.4	2333.6	2787.9
25°	2127.5	2070.7	2094.6	2267.9	2668.4
27.5°	2142.4	2016.9	2025.9	2208.1	2542.8
30°	2145.4	1951.2	1954.2	2145.4	2402.4
32.5°	2124.5	1882.4	1885.4	2067.7	2244.0
35°	2073.7	1801.8	1798.8	1978.1	2028.9
37.5°	2004.9	1715.1	1715.1	1879.5	1792.8
40°	1921.3	1628.5	1637.4	1751.0	1583.6
42.5°	1819.7	1535.8	1547.8	1580.7	1428.3
45°	1709.1	1446.2	1455.2	1335.6	1308.7
47.5°	1586.6	1353.6	1356.6	1108.5	1269.9
50°	1440.2	1257.9	1246.0	950.2	1266.9
52.5°	1311.7	1153.4	1117.5	860.5	1150.4
55°	1186.2	1042.8	965.1	791.8	1066.7
57.5°	1075.7	899.4	824.7	711.1	1048.8
60°	974.1	759.0	702.2	624.5	962.1
62.5°	890.4	654.4	642.4	564.7	872.5
65°	800.8	582.7	579.7	513.9	741.0
67.5°	714.1	534.9	531.9	466.1	564.7
70°	621.5	484.1	478.1	415.3	418.3
72.5°	525.9	427.3	421.3	373.5	346.6
75°	430.3	361.5	358.6	325.7	280.9
77.5°	337.6	286.8	292.8	262.9	206.2
80°	242.0	209.2	215.1	188.2	155.4
82.5°	161.4	137.4	143.4	119.5	104.6
85°	89.6	77.7	80.7	62.7	47.8
87.5°	41.8	35.9	35.9	23.9	14.9
90°	82.0	52.2	48.5	33.6	18.6
92.5°	505.7	359.7	328.0	201.2	74.5
95°	1244.3	700.7	642.7	410.8	178.9
97.5°	1676.1	769.7	718.5	513.9	309.4
100°	1833.2	827.5	781.1	595.5	410.0
102.5°	1905.2	885.2	841.9	668.8	495.7
105°	1958.7	971.0	934.3	787.7	641.1
107.5°	1968.6	1097.7	1063.5	926.9	790.2
110°	1953.8	1168.5	1137.6	1014.2	890.8



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1954.4	1254.3	1224.9	1107.3	989.6
115°	1972.4	1382.8	1355.8	1247.2	1138.7
117.5°	2008.9	1507.6	1483.0	1384.4	1285.9
120°	2038.8	1580.4	1557.1	1464.4	1371.6
122.5°	2081.7	1666.1	1642.7	1549.1	1455.5
125°	2139.5	1776.1	1754.8	1669.4	1584.1
127.5°	2197.2	1882.2	1860.7	1774.6	1688.4
130°	2239.4	1953.1	1929.8	1837.1	1744.4
132.5°	2273.6	2010.8	1987.6	1894.9	1802.2
135°	2310.9	2078.0	2056.8	1972.3	1887.8
137.5°	2366.8	2163.7	2142.8	2059.1	1975.5
140°	2401.0	2221.5	2202.3	2125.2	2048.2
142.5°	2429.5	2264.3	2246.5	2175.3	2104.0
145°	2466.8	2329.5	2314.0	2252.0	2189.8
147.5°	2521.5	2411.5	2396.4	2335.9	2275.5
150°	2550.1	2454.4	2440.8	2386.1	2331.4
152.5°	2568.7	2482.3	2472.0	2430.6	2389.2
155°	2609.7	2543.9	2536.2	2505.6	2475.0
157.5°	2650.7	2605.3	2597.9	2568.1	2538.3
160°	2669.4	2633.3	2627.5	2604.3	2581.1
162.5°	2689.2	2663.1	2658.7	2641.4	2624.0
165°	2717.8	2706.0	2702.0	2686.3	2670.6
167.5°	2740.2	2730.2	2728.3	2721.0	2713.5
170°	2758.8	2758.2	2756.3	2748.9	2741.4
172.5°	2760.0	2760.0	2759.6	2757.9	2756.3
175°	2771.3	2776.8	2776.8	2776.8	2776.8
177.5°	2772.5	2776.8	2776.8	2776.8	2776.8
180°	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935977

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-2700K

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	10.69	11.41	11.79	12.51	14.02	13.54	14.26	14.64	15.36	16.87
	3H	11.16	11.80	12.27	12.90	14.44	14.88	15.52	15.99	16.63	18.16
	4H	11.34	11.95	12.46	13.06	14.59	15.32	15.93	16.45	17.04	18.58
	6H	11.45	12.01	12.58	13.12	14.67	15.61	16.17	16.74	17.28	18.83
	8H	11.45	11.98	12.58	13.11	14.65	15.68	16.21	16.81	17.34	18.88
	12H	11.41	11.92	12.55	13.04	14.61	15.72	16.22	16.85	17.34	18.91
4H	2H	11.71	12.32	12.84	13.43	14.96	13.93	14.54	15.06	15.65	17.19
	3H	12.72	13.23	13.86	14.36	15.92	15.43	15.94	16.57	17.07	18.62
	4H	12.99	13.46	14.13	14.58	16.15	15.96	16.42	17.09	17.55	19.12
	6H	13.11	13.51	14.25	14.66	16.22	16.32	16.72	17.46	17.86	19.43
	8H	13.11	13.48	14.26	14.62	16.20	16.43	16.80	17.57	17.94	19.51
	12H	13.07	13.41	14.23	14.56	16.14	16.48	16.82	17.64	17.97	19.55
8H	4H	13.44	13.81	14.58	14.95	16.53	16.07	16.44	17.21	17.58	19.16
	6H	13.69	14.00	14.86	15.18	16.76	16.50	16.81	17.67	17.99	19.57
	8H	13.73	14.00	14.91	15.16	16.76	16.66	16.93	17.83	18.09	19.68
	12H	13.71	13.95	14.89	15.10	16.73	16.75	16.99	17.93	18.15	19.78
12H	4H	13.44	13.78	14.60	14.93	16.51	16.03	16.36	17.19	17.51	19.10
	6H	13.75	14.02	14.92	15.18	16.78	16.50	16.77	17.67	17.93	19.52
	8H	13.81	14.05	14.99	15.21	16.84	16.66	16.89	17.83	18.05	19.68