

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: P936077

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936077
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

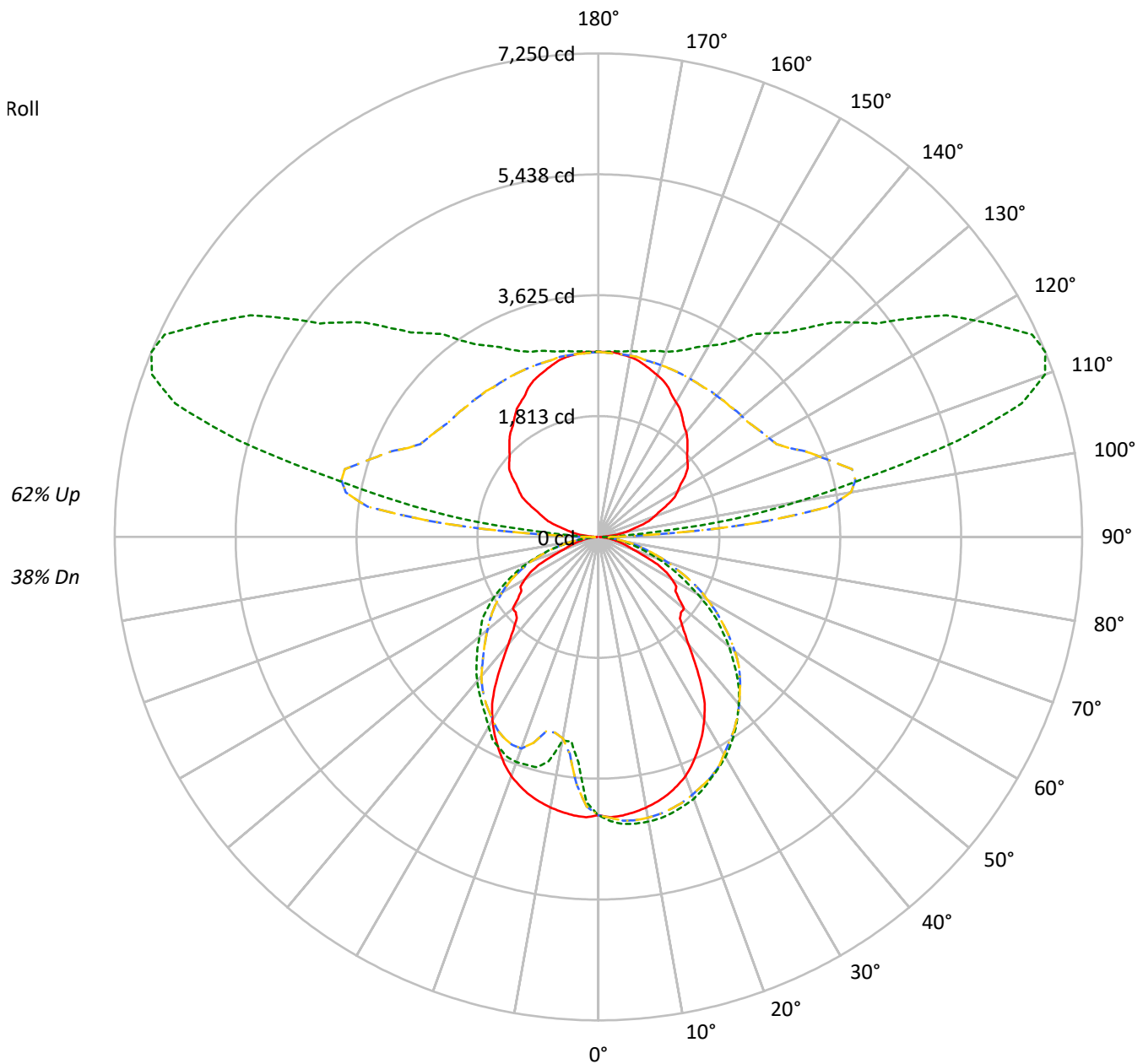
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28831.2 lumens
Efficiency: N/A
Efficacy: 132.7 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): 217.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P936077
CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



TEST NUMBER: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13008	13029	13008	10245
10°	12926	12834	12926	9176
15°	12790	12556	12790	10485
20°	12528	12227	12528	10507
25°	11985	11747	11985	10284
30°	11282	11348	11282	9795
35°	10063	10843	10063	9258
40°	8390	10249	8390	8852
45°	7501	9554	7501	8385
50°	7976	8725	7976	7917
55°	7510	7831	7510	7646
60°	7752	6651	7752	7003
65°	7040	5498	7040	6146
70°	4886	4382	4886	5151
75°	4301	3239	4301	3879
80°	3492	2141	3492	2331
85°	2045	1134	2045	965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11489 cd/sqm



TEST NUMBER: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	1.3
10°-20°	1069.5	3.7
20°-30°	1653.2	5.7
30°-40°	1973.6	6.8
40°-50°	1985.2	6.9
50°-60°	1727.3	6.0
60°-70°	1224.7	4.2
70°-80°	647.9	2.2
80°-90°	172.0	0.6
90°-100°	1353.6	4.7
100°-110°	3558.6	12.3
110°-120°	3689.9	12.8
120°-130°	2959.7	10.3
130°-140°	2322.3	8.1
140°-150°	1782.5	6.2
150°-160°	1283.7	4.5
160°-170°	785.4	2.7
170°-180°	265.4	0.9
0°-30°	3099.4	10.8
0°-40°	5073.0	17.6
0°-60°	8785.5	30.5
0°-90°	10830.1	37.6
90°-120°	8602.0	29.8
90°-150°	15666.6	54.3
90°-180°	18001.0	62.4
0°-180°	28831.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4173	4173	4173	4173	4173	
5°	4193	4323	4193	3399	4193	398
15°	4003	4283	4003	3577	4003	1126
25°	3525	3995	3525	3498	3525	1619
35°	2681	3565	2681	3044	2681	1658
45°	1729	2937	1729	2578	1729	1385
55°	1409	2167	1409	2116	1409	1295
65°	979	1307	979	1461	979	936
75°	371	620	371	742	371	390
85°	63	158	63	134	63	85
90°	19	71	19	71	19	18
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	



TEST NUMBER: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4208.4	4208.4	4232.1	4240.0	4240.0	4228.1	4216.3	4228.1	4263.7	4275.5	4271.5
5°	4192.7	4224.2	4267.7	4275.5	4283.4	4279.5	4271.5	4279.5	4319.0	4326.8	4330.8
7.5°	4161.0	4220.3	4275.5	4287.4	4299.2	4287.4	4283.4	4291.4	4330.8	4338.7	4338.7
10°	4121.5	4204.5	4267.7	4275.5	4287.4	4275.5	4275.5	4291.4	4330.8	4338.7	4342.7
12.5°	4066.3	4180.8	4240.0	4247.9	4263.7	4259.7	4255.8	4271.5	4311.1	4319.0	4319.0
15°	4003.1	4137.4	4192.7	4200.5	4228.1	4220.3	4220.3	4236.1	4279.5	4291.4	4287.4
17.5°	3916.3	4082.1	4145.3	4157.1	4176.8	4172.8	4176.8	4192.7	4232.1	4240.0	4244.0
20°	3817.6	4007.1	4082.1	4094.0	4113.7	4113.7	4113.7	4133.4	4172.8	4188.7	4188.7
22.5°	3683.3	3928.1	4007.1	4015.0	4038.7	4038.7	4046.5	4074.1	4109.7	4113.7	4113.7
25°	3525.4	3841.3	3908.4	3932.1	3955.7	3967.6	3979.4	3995.3	4007.1	4003.1	4007.1
27.5°	3359.6	3730.7	3817.6	3833.4	3865.0	3876.8	3892.6	3896.6	3900.4	3912.3	3904.4
30°	3174.1	3576.7	3707.0	3722.8	3774.1	3782.0	3766.3	3774.1	3793.9	3801.8	3809.7
32.5°	2964.8	3347.8	3592.6	3628.0	3675.4	3651.7	3647.8	3659.7	3691.3	3691.3	3699.1
35°	2680.6	3170.2	3486.0	3517.6	3553.0	3525.4	3541.2	3545.2	3564.9	3576.7	3572.9
37.5°	2368.7	3016.2	3375.4	3399.1	3426.7	3391.2	3414.9	3426.7	3442.6	3434.6	3434.6
40°	2092.4	2775.4	3245.2	3260.9	3284.6	3257.0	3280.6	3288.6	3296.5	3288.6	3284.6
42.5°	1887.1	2510.8	3106.9	3126.7	3110.9	3130.6	3138.5	3154.3	3142.5	3126.7	3126.7
45°	1729.2	2439.8	2956.9	2980.6	2956.9	2988.5	3000.4	3000.4	2964.8	2956.9	2953.0
47.5°	1677.9	2297.7	2806.9	2806.9	2795.1	2834.5	2854.3	2826.6	2791.1	2779.3	2779.3
50°	1673.9	2139.7	2601.7	2585.8	2641.1	2688.5	2668.8	2641.1	2613.5	2570.1	2570.1
52.5°	1519.9	1946.3	2337.1	2396.4	2483.2	2510.8	2479.2	2451.7	2404.2	2384.5	2368.7
55°	1409.3	1745.0	2096.3	2214.7	2305.5	2341.1	2281.8	2254.2	2183.1	2171.3	2163.4
57.5°	1385.7	1452.8	1875.3	2025.3	2135.8	2131.8	2096.3	2045.0	1985.7	1974.0	1970.0
60°	1271.2	1050.1	1638.3	1816.0	1930.5	1918.7	1887.1	1839.7	1784.4	1776.6	1768.6
62.5°	1152.8	761.9	1369.9	1571.3	1733.1	1729.2	1701.6	1630.5	1591.0	1571.3	1555.5
65°	979.1	639.5	975.1	1306.8	1539.6	1547.6	1488.3	1437.0	1393.6	1369.9	1365.9
67.5°	746.1	521.1	659.3	1089.6	1354.2	1346.2	1271.2	1247.5	1192.2	1180.4	1156.8
70°	552.7	347.4	458.0	884.3	1172.5	1152.8	1093.5	1065.9	1014.6	986.9	971.2
72.5°	458.0	280.3	335.6	686.9	986.9	963.2	911.9	880.4	836.9	813.2	797.5
75°	371.1	296.1	256.6	509.3	801.4	785.6	738.2	706.7	671.1	639.5	643.5
77.5°	272.4	276.4	205.3	375.1	635.6	611.9	584.3	544.8	529.0	497.4	497.4
80°	205.3	217.1	154.0	256.6	458.0	458.0	434.3	406.7	379.0	363.2	363.2
82.5°	138.1	138.1	114.4	161.8	311.8	300.0	284.3	276.4	260.6	252.7	252.7
85°	63.1	79.0	71.0	98.7	169.7	177.7	177.7	169.7	165.8	157.9	161.8
87.5°	19.7	35.6	43.4	55.3	86.9	90.8	94.7	94.7	94.7	98.7	98.7
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



TEST NUMBER: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

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



TEST NUMBER: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4279.5	4267.7	4279.5	4271.5	4275.5	4263.7	4228.1	4216.3	4228.1	4240.0	4240.0
5°	4330.8	4322.9	4330.8	4330.8	4326.8	4319.0	4279.5	4271.5	4279.5	4283.4	4275.5
7.5°	4346.5	4334.8	4346.5	4338.7	4338.7	4330.8	4291.4	4283.4	4287.4	4299.2	4287.4
10°	4346.5	4334.8	4346.5	4342.7	4338.7	4330.8	4291.4	4275.5	4275.5	4287.4	4275.5
12.5°	4326.8	4319.0	4326.8	4319.0	4319.0	4311.1	4271.5	4255.8	4259.7	4263.7	4247.9
15°	4295.2	4283.4	4295.2	4287.4	4291.4	4279.5	4236.1	4220.3	4220.3	4228.1	4200.5
17.5°	4247.9	4232.1	4247.9	4244.0	4240.0	4232.1	4192.7	4176.8	4172.8	4176.8	4157.1
20°	4192.7	4180.8	4192.7	4188.7	4188.7	4172.8	4133.4	4113.7	4113.7	4113.7	4094.0
22.5°	4105.8	4094.0	4105.8	4113.7	4113.7	4109.7	4074.1	4046.5	4038.7	4038.7	4015.0
25°	4007.1	3995.3	4007.1	4007.1	4003.1	4007.1	3995.3	3979.4	3967.6	3955.7	3932.1
27.5°	3912.3	3904.4	3912.3	3904.4	3912.3	3900.4	3896.6	3892.6	3876.8	3865.0	3833.4
30°	3817.6	3809.7	3817.6	3809.7	3801.8	3793.9	3774.1	3766.3	3782.0	3774.1	3722.8
32.5°	3699.1	3691.3	3699.1	3699.1	3691.3	3691.3	3659.7	3647.8	3651.7	3675.4	3628.0
35°	3576.7	3564.9	3576.7	3572.9	3576.7	3564.9	3545.2	3541.2	3525.4	3553.0	3517.6
37.5°	3434.6	3422.8	3434.6	3434.6	3434.6	3442.6	3426.7	3414.9	3391.2	3426.7	3399.1
40°	3288.6	3272.8	3288.6	3284.6	3288.6	3296.5	3288.6	3280.6	3257.0	3284.6	3260.9
42.5°	3122.8	3118.8	3122.8	3126.7	3126.7	3142.5	3154.3	3138.5	3130.6	3110.9	3126.7
45°	2945.1	2937.2	2945.1	2953.0	2956.9	2964.8	3000.4	3000.4	2988.5	2956.9	2980.6
47.5°	2755.6	2735.9	2755.6	2779.3	2779.3	2791.1	2826.6	2854.3	2834.5	2795.1	2806.9
50°	2554.2	2558.2	2554.2	2570.1	2570.1	2613.5	2641.1	2668.8	2688.5	2641.1	2585.8
52.5°	2356.8	2353.0	2356.8	2368.7	2384.5	2404.2	2451.7	2479.2	2510.8	2483.2	2396.4
55°	2159.4	2167.4	2159.4	2163.4	2171.3	2183.1	2254.2	2281.8	2341.1	2305.5	2214.7
57.5°	1962.1	1950.3	1962.1	1970.0	1974.0	1985.7	2045.0	2096.3	2131.8	2135.8	2025.3
60°	1733.1	1717.3	1733.1	1768.6	1776.6	1784.4	1839.7	1887.1	1918.7	1930.5	1816.0
62.5°	1531.7	1504.2	1531.7	1555.5	1571.3	1591.0	1630.5	1701.6	1729.2	1733.1	1571.3
65°	1318.6	1306.8	1318.6	1365.9	1369.9	1393.6	1437.0	1488.3	1547.6	1539.6	1306.8
67.5°	1125.2	1125.2	1125.2	1156.8	1180.4	1192.2	1247.5	1271.2	1346.2	1354.2	1089.6
70°	947.5	943.5	947.5	971.2	986.9	1014.6	1065.9	1093.5	1152.8	1172.5	884.3
72.5°	777.8	773.8	777.8	797.5	813.2	836.9	880.4	911.9	963.2	986.9	686.9
75°	627.7	619.8	627.7	643.5	639.5	671.1	706.7	738.2	785.6	801.4	509.3
77.5°	481.7	481.7	481.7	497.4	497.4	529.0	544.8	584.3	611.9	635.6	375.1
80°	359.3	355.3	359.3	363.2	363.2	379.0	406.7	434.3	458.0	458.0	256.6
82.5°	252.7	244.7	252.7	252.7	252.7	260.6	276.4	284.3	300.0	311.8	161.8
85°	157.9	157.9	157.9	161.8	157.9	165.8	169.7	177.7	177.7	169.7	98.7
87.5°	102.7	98.7	102.7	98.7	98.7	94.7	94.7	94.7	90.8	86.9	55.3
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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4232.1	4208.4	4208.4	4169.0	4153.1	4141.3	4121.5	4062.4	4046.5	4030.7	4054.4
5°	4267.7	4224.2	4192.7	4121.5	4062.4	4038.7	3963.7	3821.6	3726.7	3655.7	3616.3
7.5°	4275.5	4220.3	4161.0	4050.5	3908.4	3845.3	3616.3	3355.7	3284.6	3221.5	3181.9
10°	4267.7	4204.5	4121.5	3955.7	3620.2	3509.6	3280.6	3110.9	3067.5	3055.6	3067.5
12.5°	4240.0	4180.8	4066.3	3790.0	3320.2	3245.2	3110.9	3012.2	3004.3	3024.1	3130.6
15°	4192.7	4137.4	4003.1	3568.9	3154.3	3099.1	3004.3	2968.8	3012.2	3150.3	3470.2
17.5°	4145.3	4082.1	3916.3	3351.7	3028.0	2988.5	2921.4	2992.5	3237.2	3422.8	3529.4
20°	4082.1	4007.1	3817.6	3193.8	2937.2	2901.6	2870.1	3189.9	3375.4	3442.6	3501.7
22.5°	4007.1	3928.1	3683.3	3083.3	2842.5	2814.8	2834.5	3300.4	3375.4	3422.8	3474.1
25°	3908.4	3841.3	3525.4	2996.5	2767.5	2735.9	2810.9	3288.6	3332.0	3343.9	3446.5
27.5°	3817.6	3730.7	3359.6	2917.5	2676.7	2664.8	2830.6	3237.2	3268.9	3280.6	3391.2
30°	3707.0	3576.7	3174.1	2834.5	2581.9	2577.9	2834.5	3174.1	3166.2	3197.8	3308.3
32.5°	3592.6	3347.8	2964.8	2731.9	2491.1	2487.1	2806.9	3079.3	3071.5	3114.9	3197.8
35°	3486.0	3170.2	2680.6	2613.5	2376.7	2380.5	2739.8	2968.8	2972.8	3012.2	3063.5
37.5°	3375.4	3016.2	2368.7	2483.2	2266.1	2266.1	2649.0	2866.2	2858.2	2870.1	2941.2
40°	3245.2	2775.4	2092.4	2313.4	2163.4	2151.6	2538.5	2755.6	2727.9	2724.1	2822.8
42.5°	3106.9	2510.8	1887.1	2088.4	2045.0	2029.2	2404.2	2621.4	2570.1	2581.9	2708.2
45°	2956.9	2439.8	1729.2	1764.7	1922.6	1910.7	2258.1	2467.4	2431.8	2463.5	2593.8
47.5°	2806.9	2297.7	1677.9	1464.6	1792.3	1788.4	2096.3	2317.4	2297.7	2329.2	2467.4
50°	2601.7	2139.7	1673.9	1255.5	1646.3	1662.0	1902.9	2171.3	2171.3	2199.0	2345.0
52.5°	2337.1	1946.3	1519.9	1136.9	1476.5	1523.9	1733.1	2045.0	2052.9	2080.5	2210.8
55°	2096.3	1745.0	1409.3	1046.2	1275.2	1377.8	1567.3	1914.7	1930.5	1958.1	2076.6
57.5°	1875.3	1452.8	1385.7	939.6	1089.6	1188.3	1421.2	1788.4	1796.3	1820.0	1934.4
60°	1638.3	1050.1	1271.2	825.1	927.8	1002.8	1287.0	1638.3	1666.0	1681.7	1780.4
62.5°	1369.9	761.9	1152.8	746.1	848.8	864.6	1176.5	1496.2	1531.7	1543.6	1602.9
65°	975.1	639.5	979.1	679.1	765.9	769.8	1058.1	1350.2	1381.8	1401.5	1444.9
67.5°	659.3	521.1	746.1	615.8	702.7	706.7	943.5	1180.4	1223.8	1239.6	1267.3
70°	458.0	347.4	552.7	548.8	631.7	639.5	821.2	1026.5	1065.9	1077.8	1093.5
72.5°	335.6	280.3	458.0	493.5	556.7	564.5	694.8	852.8	892.2	904.1	911.9
75°	256.6	296.1	371.1	430.3	473.7	477.7	568.5	694.8	722.5	730.4	734.3
77.5°	205.3	276.4	272.4	347.4	386.8	379.0	446.1	536.9	560.5	560.5	560.5
80°	154.0	217.1	205.3	248.7	284.3	276.4	319.8	383.0	390.8	398.7	394.8
82.5°	114.4	138.1	138.1	157.9	189.5	181.6	213.1	248.7	248.7	248.7	256.6
85°	71.0	79.0	63.1	82.9	106.6	102.7	118.4	134.3	138.1	138.1	130.3
87.5°	43.4	35.6	19.7	31.6	47.4	47.4	55.3	59.3	55.3	55.3	55.3
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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4026.8	4015.0	4030.7	3987.3	4030.7	4015.0	4026.8	4054.4	4030.7	4046.5	4062.4
5°	3533.3	3513.6	3450.4	3399.1	3450.4	3513.6	3533.3	3616.3	3655.7	3726.7	3821.6
7.5°	3158.3	3142.5	3126.7	3095.1	3126.7	3142.5	3158.3	3181.9	3221.5	3284.6	3355.7
10°	3075.3	3079.3	3103.0	3099.1	3103.0	3079.3	3075.3	3067.5	3055.6	3067.5	3110.9
12.5°	3288.6	3324.1	3454.3	3446.5	3454.3	3324.1	3288.6	3130.6	3024.1	3004.3	3012.2
15°	3533.3	3545.2	3572.9	3576.7	3572.9	3545.2	3533.3	3470.2	3150.3	3012.2	2968.8
17.5°	3557.0	3561.0	3580.7	3580.7	3580.7	3561.0	3557.0	3529.4	3422.8	3237.2	2992.5
20°	3537.3	3545.2	3584.6	3592.6	3584.6	3545.2	3537.3	3501.7	3442.6	3375.4	3189.9
22.5°	3529.4	3545.2	3576.7	3572.9	3576.7	3545.2	3529.4	3474.1	3422.8	3375.4	3300.4
25°	3489.9	3489.9	3493.9	3497.8	3493.9	3489.9	3489.9	3446.5	3343.9	3332.0	3288.6
27.5°	3407.0	3414.9	3438.6	3434.6	3438.6	3414.9	3407.0	3391.2	3280.6	3268.9	3237.2
30°	3332.0	3324.1	3304.3	3288.6	3304.3	3324.1	3332.0	3308.3	3197.8	3166.2	3174.1
32.5°	3205.6	3185.9	3166.2	3154.3	3166.2	3185.9	3205.6	3197.8	3114.9	3071.5	3079.3
35°	3055.6	3059.6	3055.6	3043.8	3055.6	3059.6	3055.6	3063.5	3012.2	2972.8	2968.8
37.5°	2949.1	2956.9	2953.0	2937.2	2953.0	2956.9	2949.1	2941.2	2870.1	2858.2	2866.2
40°	2838.5	2842.5	2838.5	2826.6	2838.5	2842.5	2838.5	2822.8	2724.1	2727.9	2755.6
42.5°	2731.9	2727.9	2716.1	2708.2	2716.1	2727.9	2731.9	2708.2	2581.9	2570.1	2621.4
45°	2609.5	2613.5	2589.8	2577.9	2589.8	2613.5	2609.5	2593.8	2463.5	2431.8	2467.4
47.5°	2487.1	2487.1	2467.4	2455.5	2467.4	2487.1	2487.1	2467.4	2329.2	2297.7	2317.4
50°	2356.8	2353.0	2325.3	2321.4	2325.3	2353.0	2356.8	2345.0	2199.0	2171.3	2171.3
52.5°	2206.8	2206.8	2210.8	2218.7	2210.8	2206.8	2206.8	2210.8	2080.5	2052.9	2045.0
55°	2076.6	2080.5	2108.1	2116.0	2108.1	2080.5	2076.6	2076.6	1958.1	1930.5	1914.7
57.5°	1942.3	1942.3	1962.1	1962.1	1962.1	1942.3	1942.3	1934.4	1820.0	1796.3	1788.4
60°	1788.4	1796.3	1812.0	1808.1	1812.0	1796.3	1788.4	1780.4	1681.7	1666.0	1638.3
62.5°	1626.5	1634.4	1638.3	1630.5	1638.3	1634.4	1626.5	1602.9	1543.6	1531.7	1496.2
65°	1456.7	1464.6	1468.6	1460.7	1468.6	1464.6	1456.7	1444.9	1401.5	1381.8	1350.2
67.5°	1283.0	1279.1	1275.2	1290.9	1275.2	1279.1	1283.0	1267.3	1239.6	1223.8	1180.4
70°	1105.4	1105.4	1101.5	1109.3	1101.5	1105.4	1105.4	1093.5	1077.8	1065.9	1026.5
72.5°	915.9	911.9	927.8	915.9	927.8	911.9	915.9	911.9	904.1	892.2	852.8
75°	730.4	738.2	730.4	742.2	730.4	738.2	730.4	734.3	730.4	722.5	694.8
77.5°	556.7	564.5	556.7	556.7	556.7	564.5	556.7	560.5	560.5	560.5	536.9
80°	394.8	390.8	390.8	386.8	390.8	390.8	394.8	394.8	398.7	390.8	383.0
82.5°	252.7	248.7	248.7	256.6	248.7	248.7	252.7	256.6	248.7	248.7	248.7
85°	138.1	142.1	134.3	134.3	134.3	142.1	138.1	130.3	138.1	138.1	134.3
87.5°	51.3	47.4	47.4	47.4	47.4	47.4	51.3	55.3	55.3	55.3	59.3
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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4121.5	4141.3	4153.1	4169.0	4208.4
5°	3963.7	4038.7	4062.4	4121.5	4192.7
7.5°	3616.3	3845.3	3908.4	4050.5	4161.0
10°	3280.6	3509.6	3620.2	3955.7	4121.5
12.5°	3110.9	3245.2	3320.2	3790.0	4066.3
15°	3004.3	3099.1	3154.3	3568.9	4003.1
17.5°	2921.4	2988.5	3028.0	3351.7	3916.3
20°	2870.1	2901.6	2937.2	3193.8	3817.6
22.5°	2834.5	2814.8	2842.5	3083.3	3683.3
25°	2810.9	2735.9	2767.5	2996.5	3525.4
27.5°	2830.6	2664.8	2676.7	2917.5	3359.6
30°	2834.5	2577.9	2581.9	2834.5	3174.1
32.5°	2806.9	2487.1	2491.1	2731.9	2964.8
35°	2739.8	2380.5	2376.7	2613.5	2680.6
37.5°	2649.0	2266.1	2266.1	2483.2	2368.7
40°	2538.5	2151.6	2163.4	2313.4	2092.4
42.5°	2404.2	2029.2	2045.0	2088.4	1887.1
45°	2258.1	1910.7	1922.6	1764.7	1729.2
47.5°	2096.3	1788.4	1792.3	1464.6	1677.9
50°	1902.9	1662.0	1646.3	1255.5	1673.9
52.5°	1733.1	1523.9	1476.5	1136.9	1519.9
55°	1567.3	1377.8	1275.2	1046.2	1409.3
57.5°	1421.2	1188.3	1089.6	939.6	1385.7
60°	1287.0	1002.8	927.8	825.1	1271.2
62.5°	1176.5	864.6	848.8	746.1	1152.8
65°	1058.1	769.8	765.9	679.1	979.1
67.5°	943.5	706.7	702.7	615.8	746.1
70°	821.2	639.5	631.7	548.8	552.7
72.5°	694.8	564.5	556.7	493.5	458.0
75°	568.5	477.7	473.7	430.3	371.1
77.5°	446.1	379.0	386.8	347.4	272.4
80°	319.8	276.4	284.3	248.7	205.3
82.5°	213.1	181.6	189.5	157.9	138.1
85°	118.4	102.7	106.6	82.9	63.1
87.5°	55.3	47.4	47.4	31.6	19.7
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: P936077

CATALOG NUMBER: SQ4-FA-150U-100D-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: P936077
 CATALOG NUMBER: SQ4-FA-150U-100D-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	12.43	13.19	13.48	14.25	15.69	15.28	16.04	16.33	17.10	18.54
	3H	12.90	13.58	13.96	14.64	16.10	16.62	17.30	17.69	18.37	19.83
	4H	13.08	13.73	14.16	14.80	16.26	17.07	17.71	18.14	18.78	20.25
	6H	13.19	13.79	14.28	14.86	16.34	17.35	17.94	18.44	19.02	20.49
	8H	13.19	13.76	14.28	14.85	16.32	17.43	17.99	18.52	19.08	20.55
	12H	13.16	13.70	14.26	14.78	16.27	17.46	18.00	18.56	19.08	20.58
4H	2H	13.45	14.10	14.54	15.17	16.63	15.67	16.32	16.76	17.39	18.85
	3H	14.47	15.01	15.56	16.10	17.58	17.18	17.71	18.27	18.81	20.29
	4H	14.74	15.23	15.84	16.32	17.82	17.70	18.20	18.80	19.29	20.78
	6H	14.86	15.28	15.96	16.39	17.88	18.07	18.49	19.17	19.60	21.09
	8H	14.86	15.26	15.97	16.36	17.87	18.18	18.57	19.28	19.67	21.18
	12H	14.82	15.18	15.95	16.30	17.81	18.23	18.59	19.35	19.71	21.22
8H	4H	15.19	15.58	16.29	16.69	18.19	17.82	18.21	18.92	19.32	20.82
	6H	15.45	15.77	16.57	16.92	18.42	18.26	18.58	19.38	19.73	21.23
	8H	15.49	15.77	16.62	16.90	18.42	18.41	18.70	19.55	19.82	21.35
	12H	15.47	15.72	16.60	16.84	18.40	18.51	18.76	19.65	19.88	21.44
12H	4H	15.19	15.55	16.31	16.67	18.18	17.78	18.14	18.90	19.25	20.76
	6H	15.51	15.79	16.64	16.92	18.44	18.25	18.54	19.39	19.67	21.19
	8H	15.57	15.82	16.71	16.94	18.50	18.41	18.66	19.55	19.79	21.35