

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: P936177

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936177
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

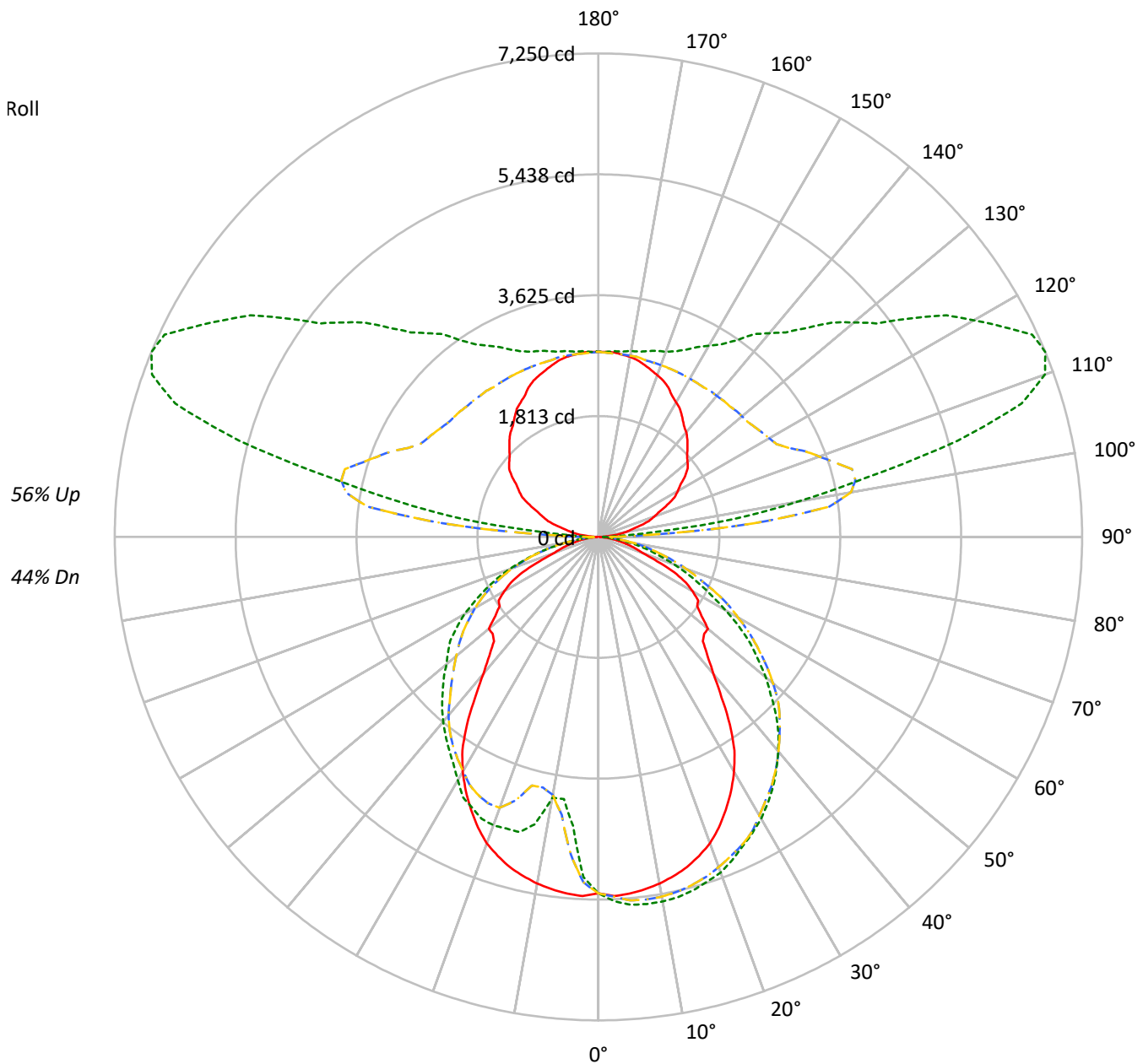
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31869.0 lumens
Efficiency: N/A
Efficacy: 127.7 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: General Diffuse

Input Watts (W): 249.6
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: P936177
CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



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



TEST NUMBER: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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	50	30	10	0
RCR																					
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16531	16531	16531	16531
5°	16660	16687	16660	13121
10°	16555	16438	16555	11752
15°	16381	16082	16381	13428
20°	16046	15660	16046	13456
25°	15350	15044	15350	13171
30°	14450	14533	14450	12546
35°	12888	13887	12888	11857
40°	10745	13127	10745	11337
45°	9607	12236	9607	10739
50°	10215	11174	10215	10140
55°	9620	10030	9620	9793
60°	9929	8519	9929	8969
65°	9017	7042	9017	7871
70°	6259	5612	6259	6598
75°	5509	4148	5509	4968
80°	4472	2743	4472	2986
85°	2621	1453	2621	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14716 cd/sqm



TEST NUMBER: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.4	1.5
10°-20°	1369.8	4.3
20°-30°	2117.4	6.6
30°-40°	2527.7	7.9
40°-50°	2542.6	8.0
50°-60°	2212.3	6.9
60°-70°	1568.6	4.9
70°-80°	829.9	2.6
80°-90°	217.3	0.7
90°-100°	1353.6	4.2
100°-110°	3558.6	11.2
110°-120°	3689.9	11.6
120°-130°	2959.7	9.3
130°-140°	2322.3	7.3
140°-150°	1782.5	5.6
150°-160°	1283.7	4.0
160°-170°	785.4	2.5
170°-180°	265.4	0.8
0°-30°	3969.6	12.5
0°-40°	6497.3	20.4
0°-60°	11252.2	35.3
0°-90°	13867.9	43.5
90°-120°	8602.0	27.0
90°-150°	15666.6	49.2
90°-180°	18001.0	56.5
0°-180°	31869.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5344	5344	5344	5344	5344	
5°	5370	5537	5370	4354	5370	509
15°	5127	5486	5127	4581	5127	1443
25°	4515	5117	4515	4480	4515	2073
35°	3433	4566	3433	3898	3433	2124
45°	2215	3762	2215	3302	2215	1774
55°	1805	2776	1805	2710	1805	1659
65°	1254	1674	1254	1871	1254	1199
75°	475	794	475	951	475	500
85°	81	202	81	172	81	109
90°	19	71	19	71	19	19
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5390.1	5390.1	5420.3	5430.5	5430.5	5415.3	5400.1	5415.3	5460.8	5476.0	5470.9
5°	5369.7	5410.3	5465.8	5476.0	5486.1	5481.0	5470.9	5481.0	5531.6	5541.7	5546.7
7.5°	5329.3	5405.2	5476.0	5491.1	5506.3	5491.1	5486.1	5496.2	5546.7	5556.9	5556.9
10°	5278.8	5385.0	5465.8	5476.0	5491.1	5476.0	5476.0	5496.2	5546.7	5556.9	5562.0
12.5°	5208.0	5354.6	5430.5	5440.6	5460.8	5455.7	5450.7	5470.9	5521.4	5531.6	5531.6
15°	5127.1	5299.0	5369.7	5379.9	5415.3	5405.2	5405.2	5425.4	5481.0	5496.2	5491.1
17.5°	5015.9	5228.2	5309.1	5324.3	5349.5	5344.5	5349.5	5369.7	5420.3	5430.5	5435.5
20°	4889.5	5132.1	5228.2	5243.3	5268.6	5268.6	5268.6	5293.9	5344.5	5364.8	5364.8
22.5°	4717.6	5031.0	5132.1	5142.2	5172.6	5172.6	5182.7	5218.0	5263.6	5268.6	5268.6
25°	4515.3	4919.7	5005.7	5036.1	5066.5	5081.6	5096.7	5117.0	5132.1	5127.1	5132.1
27.5°	4302.9	4778.2	4889.5	4909.7	4950.1	4965.3	4985.5	4990.6	4995.6	5010.8	5000.7
30°	4065.3	4581.0	4747.8	4768.1	4833.8	4843.9	4823.7	4833.8	4859.1	4869.2	4879.3
32.5°	3797.2	4287.8	4601.2	4646.7	4707.4	4677.1	4672.0	4687.2	4727.6	4727.6	4737.8
35°	3433.2	4060.2	4464.7	4505.1	4550.6	4515.3	4535.5	4540.6	4565.9	4581.0	4575.9
37.5°	3033.8	3863.0	4323.1	4353.5	4388.9	4343.4	4373.7	4388.9	4409.1	4398.9	4398.9
40°	2679.8	3554.5	4156.3	4176.5	4206.8	4171.4	4201.8	4211.9	4222.0	4211.9	4206.8
42.5°	2416.9	3215.8	3979.3	4004.6	3984.4	4009.6	4019.8	4040.0	4024.8	4004.6	4004.6
45°	2214.6	3124.8	3787.2	3817.5	3787.2	3827.6	3842.8	3842.8	3797.2	3787.2	3782.1
47.5°	2149.0	2942.8	3595.1	3595.1	3579.8	3630.4	3655.7	3620.3	3574.8	3559.6	3559.6
50°	2143.9	2740.5	3332.1	3311.9	3382.6	3443.4	3418.1	3382.6	3347.3	3291.7	3291.7
52.5°	1946.7	2492.8	2993.3	3069.2	3180.4	3215.8	3175.3	3140.0	3079.2	3054.0	3033.8
55°	1805.1	2234.9	2684.9	2836.6	2952.8	2998.4	2922.6	2887.1	2796.2	2780.9	2770.9
57.5°	1774.8	1860.7	2401.8	2593.9	2735.4	2730.4	2684.9	2619.2	2543.3	2528.1	2523.1
60°	1628.2	1345.0	2098.4	2325.9	2472.6	2457.3	2416.9	2356.2	2285.4	2275.4	2265.2
62.5°	1476.5	975.9	1754.6	2012.4	2219.7	2214.6	2179.2	2088.2	2037.7	2012.4	1992.2
65°	1254.0	819.1	1248.9	1673.7	1972.0	1982.0	1906.2	1840.5	1784.8	1754.6	1749.5
67.5°	955.7	667.4	844.4	1395.5	1734.3	1724.2	1628.2	1597.8	1527.0	1511.8	1481.5
70°	707.9	444.9	586.5	1132.7	1501.7	1476.5	1400.6	1365.2	1299.5	1264.0	1243.8
72.5°	586.5	359.0	429.8	879.8	1264.0	1233.7	1168.0	1127.6	1071.9	1041.6	1021.4
75°	475.3	379.2	328.7	652.3	1026.4	1006.2	945.5	905.1	859.5	819.1	824.2
77.5°	348.9	354.0	262.9	480.4	814.0	783.8	748.3	697.8	677.6	637.1	637.1
80°	262.9	278.1	197.2	328.7	586.5	586.5	556.2	520.8	485.5	465.1	465.1
82.5°	177.0	177.0	146.6	207.3	399.5	384.3	364.0	354.0	333.8	323.6	323.6
85°	80.9	101.1	91.0	126.4	217.4	227.5	227.5	217.4	212.3	202.3	207.3
87.5°	25.3	45.5	55.6	70.8	111.3	116.3	121.3	121.3	121.3	126.4	126.4
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5481.0	5465.8	5481.0	5470.9	5476.0	5460.8	5415.3	5400.1	5415.3	5430.5	5430.5
5°	5546.7	5536.7	5546.7	5546.7	5541.7	5531.6	5481.0	5470.9	5481.0	5486.1	5476.0
7.5°	5566.9	5551.8	5566.9	5556.9	5556.9	5546.7	5496.2	5486.1	5491.1	5506.3	5491.1
10°	5566.9	5551.8	5566.9	5562.0	5556.9	5546.7	5496.2	5476.0	5476.0	5491.1	5476.0
12.5°	5541.7	5531.6	5541.7	5531.6	5531.6	5521.4	5470.9	5450.7	5455.7	5460.8	5440.6
15°	5501.2	5486.1	5501.2	5491.1	5496.2	5481.0	5425.4	5405.2	5405.2	5415.3	5379.9
17.5°	5440.6	5420.3	5440.6	5435.5	5430.5	5420.3	5369.7	5349.5	5344.5	5349.5	5324.3
20°	5369.7	5354.6	5369.7	5364.8	5364.8	5344.5	5293.9	5268.6	5268.6	5268.6	5243.3
22.5°	5258.6	5243.3	5258.6	5268.6	5268.6	5263.6	5218.0	5182.7	5172.6	5172.6	5142.2
25°	5132.1	5117.0	5132.1	5132.1	5127.1	5132.1	5117.0	5096.7	5081.6	5066.5	5036.1
27.5°	5010.8	5000.7	5010.8	5000.7	5010.8	4995.6	4990.6	4985.5	4965.3	4950.1	4909.7
30°	4889.5	4879.3	4889.5	4879.3	4869.2	4859.1	4833.8	4823.7	4843.9	4833.8	4768.1
32.5°	4737.8	4727.6	4737.8	4737.8	4727.6	4727.6	4687.2	4672.0	4677.1	4707.4	4646.7
35°	4581.0	4565.9	4581.0	4575.9	4581.0	4565.9	4540.6	4535.5	4515.3	4550.6	4505.1
37.5°	4398.9	4383.8	4398.9	4398.9	4398.9	4409.1	4388.9	4373.7	4343.4	4388.9	4353.5
40°	4211.9	4191.7	4211.9	4206.8	4211.9	4222.0	4211.9	4201.8	4171.4	4206.8	4176.5
42.5°	3999.5	3994.5	3999.5	4004.6	4004.6	4024.8	4040.0	4019.8	4009.6	3984.4	4004.6
45°	3772.0	3761.9	3772.0	3782.1	3787.2	3797.2	3842.8	3842.8	3827.6	3787.2	3817.5
47.5°	3529.3	3504.0	3529.3	3559.6	3559.6	3574.8	3620.3	3655.7	3630.4	3579.8	3595.1
50°	3271.5	3276.4	3271.5	3291.7	3291.7	3347.3	3382.6	3418.1	3443.4	3382.6	3311.9
52.5°	3018.6	3013.6	3018.6	3033.8	3054.0	3079.2	3140.0	3175.3	3215.8	3180.4	3069.2
55°	2765.8	2776.0	2765.8	2770.9	2780.9	2796.2	2887.1	2922.6	2998.4	2952.8	2836.6
57.5°	2513.0	2497.8	2513.0	2523.1	2528.1	2543.3	2619.2	2684.9	2730.4	2735.4	2593.9
60°	2219.7	2199.5	2219.7	2265.2	2275.4	2285.4	2356.2	2416.9	2457.3	2472.6	2325.9
62.5°	1961.8	1926.5	1961.8	1992.2	2012.4	2037.7	2088.2	2179.2	2214.6	2219.7	2012.4
65°	1688.8	1673.7	1688.8	1749.5	1754.6	1784.8	1840.5	1906.2	1982.0	1972.0	1673.7
67.5°	1441.0	1441.0	1441.0	1481.5	1511.8	1527.0	1597.8	1628.2	1724.2	1734.3	1395.5
70°	1213.5	1208.4	1213.5	1243.8	1264.0	1299.5	1365.2	1400.6	1476.5	1501.7	1132.7
72.5°	996.1	991.0	996.1	1021.4	1041.6	1071.9	1127.6	1168.0	1233.7	1264.0	879.8
75°	804.0	793.8	804.0	824.2	819.1	859.5	905.1	945.5	1006.2	1026.4	652.3
77.5°	616.8	616.8	616.8	637.1	637.1	677.6	697.8	748.3	783.8	814.0	480.4
80°	460.2	455.1	460.2	465.1	465.1	485.5	520.8	556.2	586.5	586.5	328.7
82.5°	323.6	313.4	323.6	323.6	323.6	333.8	354.0	364.0	384.3	399.5	207.3
85°	202.3	202.3	202.3	207.3	202.3	212.3	217.4	227.5	227.5	217.4	126.4
87.5°	131.5	126.4	131.5	126.4	126.4	121.3	121.3	121.3	116.3	111.3	70.8
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5420.3	5390.1	5390.1	5339.5	5319.2	5304.1	5278.8	5202.9	5182.7	5162.5	5192.8
5°	5465.8	5410.3	5369.7	5278.8	5202.9	5172.6	5076.5	4894.4	4773.1	4682.1	4631.6
7.5°	5476.0	5405.2	5329.3	5187.8	5005.7	4924.8	4631.6	4297.8	4206.8	4125.9	4075.3
10°	5465.8	5385.0	5278.8	5066.5	4636.6	4495.0	4201.8	3984.4	3928.7	3913.6	3928.7
12.5°	5430.5	5354.6	5208.0	4854.0	4252.3	4156.3	3984.4	3857.9	3847.8	3873.1	4009.6
15°	5369.7	5299.0	5127.1	4570.8	4040.0	3969.2	3847.8	3802.3	3857.9	4034.9	4444.5
17.5°	5309.1	5228.2	5015.9	4292.8	3878.2	3827.6	3741.7	3832.7	4146.1	4383.8	4520.3
20°	5228.2	5132.1	4889.5	4090.6	3761.9	3716.4	3675.9	4085.5	4323.1	4409.1	4484.9
22.5°	5132.1	5031.0	4717.6	3948.9	3640.6	3605.1	3630.4	4227.0	4323.1	4383.8	4449.5
25°	5005.7	4919.7	4515.3	3837.7	3544.5	3504.0	3600.0	4211.9	4267.5	4282.7	4414.2
27.5°	4889.5	4778.2	4302.9	3736.6	3428.1	3413.0	3625.3	4146.1	4186.6	4201.8	4343.4
30°	4747.8	4581.0	4065.3	3630.4	3306.8	3301.7	3630.4	4065.3	4055.1	4095.6	4237.2
32.5°	4601.2	4287.8	3797.2	3498.9	3190.5	3185.5	3595.1	3943.9	3933.8	3989.4	4095.6
35°	4464.7	4060.2	3433.2	3347.3	3043.9	3049.0	3509.1	3802.3	3807.4	3857.9	3923.6
37.5°	4323.1	3863.0	3033.8	3180.4	2902.3	2902.3	3392.8	3670.9	3660.8	3675.9	3767.0
40°	4156.3	3554.5	2679.8	2963.0	2770.9	2755.6	3251.2	3529.3	3493.9	3488.9	3615.3
42.5°	3979.3	3215.8	2416.9	2674.8	2619.2	2599.0	3079.2	3357.4	3291.7	3306.8	3468.6
45°	3787.2	3124.8	2214.6	2260.1	2462.4	2447.3	2892.2	3160.2	3114.7	3155.1	3322.0
47.5°	3595.1	2942.8	2149.0	1875.9	2295.6	2290.5	2684.9	2968.1	2942.8	2983.2	3160.2
50°	3332.1	2740.5	2143.9	1607.9	2108.4	2128.7	2437.1	2780.9	2780.9	2816.4	3003.4
52.5°	2993.3	2492.8	1946.7	1456.3	1891.0	1951.8	2219.7	2619.2	2629.2	2664.7	2831.5
55°	2684.9	2234.9	1805.1	1339.9	1633.1	1764.6	2007.3	2452.3	2472.6	2507.9	2659.6
57.5°	2401.8	1860.7	1774.8	1203.4	1395.5	1522.0	1820.3	2290.5	2300.7	2330.9	2477.6
60°	2098.4	1345.0	1628.2	1056.8	1188.2	1284.3	1648.4	2098.4	2133.7	2153.9	2280.3
62.5°	1754.6	975.9	1476.5	955.7	1087.1	1107.4	1506.7	1916.3	1961.8	1977.0	2052.9
65°	1248.9	819.1	1254.0	869.7	981.0	985.9	1355.1	1729.3	1769.7	1795.0	1850.6
67.5°	844.4	667.4	955.7	788.7	900.0	905.1	1208.4	1511.8	1567.4	1587.7	1623.1
70°	586.5	444.9	707.9	702.8	809.1	819.1	1051.7	1314.6	1365.2	1380.4	1400.6
72.5°	429.8	359.0	586.5	632.1	712.9	723.1	889.9	1092.1	1142.7	1157.8	1168.0
75°	328.7	379.2	475.3	551.1	606.8	611.8	728.1	889.9	925.3	935.4	940.4
77.5°	262.9	354.0	348.9	444.9	495.5	485.5	571.4	687.6	718.0	718.0	718.0
80°	197.2	278.1	262.9	318.5	364.0	354.0	409.6	490.4	500.6	510.6	505.7
82.5°	146.6	177.0	177.0	202.3	242.7	232.6	273.0	318.5	318.5	318.5	328.7
85°	91.0	101.1	80.9	106.2	136.6	131.5	151.7	171.9	177.0	177.0	166.8
87.5°	55.6	45.5	25.3	40.4	60.7	60.7	70.8	75.8	70.8	70.8	70.8
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5157.4	5142.2	5162.5	5106.9	5162.5	5142.2	5157.4	5192.8	5162.5	5182.7	5202.9
5°	4525.4	4500.1	4419.2	4353.5	4419.2	4500.1	4525.4	4631.6	4682.1	4773.1	4894.4
7.5°	4045.1	4024.8	4004.6	3964.2	4004.6	4024.8	4045.1	4075.3	4125.9	4206.8	4297.8
10°	3938.9	3943.9	3974.2	3969.2	3974.2	3943.9	3938.9	3928.7	3913.6	3928.7	3984.4
12.5°	4211.9	4257.4	4424.2	4414.2	4424.2	4257.4	4211.9	4009.6	3873.1	3847.8	3857.9
15°	4525.4	4540.6	4575.9	4581.0	4575.9	4540.6	4525.4	4444.5	4034.9	3857.9	3802.3
17.5°	4555.7	4560.8	4586.1	4586.1	4586.1	4560.8	4555.7	4520.3	4383.8	4146.1	3832.7
20°	4530.4	4540.6	4591.2	4601.2	4591.2	4540.6	4530.4	4484.9	4409.1	4323.1	4085.5
22.5°	4520.3	4540.6	4581.0	4575.9	4581.0	4540.6	4520.3	4449.5	4383.8	4323.1	4227.0
25°	4469.7	4469.7	4474.8	4479.9	4474.8	4469.7	4469.7	4414.2	4282.7	4267.5	4211.9
27.5°	4363.6	4373.7	4404.0	4398.9	4404.0	4373.7	4363.6	4343.4	4201.8	4186.6	4146.1
30°	4267.5	4257.4	4232.1	4211.9	4232.1	4257.4	4267.5	4237.2	4095.6	4055.1	4065.3
32.5°	4105.7	4080.4	4055.1	4040.0	4055.1	4080.4	4105.7	4095.6	3989.4	3933.8	3943.9
35°	3913.6	3918.7	3913.6	3898.4	3913.6	3918.7	3913.6	3923.6	3857.9	3807.4	3802.3
37.5°	3777.0	3787.2	3782.1	3761.9	3782.1	3787.2	3777.0	3767.0	3675.9	3660.8	3670.9
40°	3635.5	3640.6	3635.5	3620.3	3635.5	3640.6	3635.5	3615.3	3488.9	3493.9	3529.3
42.5°	3498.9	3493.9	3478.7	3468.6	3478.7	3493.9	3498.9	3468.6	3306.8	3291.7	3357.4
45°	3342.2	3347.3	3316.9	3301.7	3316.9	3347.3	3342.2	3322.0	3155.1	3114.7	3160.2
47.5°	3185.5	3185.5	3160.2	3145.0	3160.2	3185.5	3185.5	3160.2	2983.2	2942.8	2968.1
50°	3018.6	3013.6	2978.1	2973.1	2978.1	3013.6	3018.6	3003.4	2816.4	2780.9	2780.9
52.5°	2826.4	2826.4	2831.5	2841.6	2831.5	2826.4	2826.4	2831.5	2664.7	2629.2	2619.2
55°	2659.6	2664.7	2700.1	2710.2	2700.1	2664.7	2659.6	2659.6	2507.9	2472.6	2452.3
57.5°	2487.7	2487.7	2513.0	2513.0	2513.0	2487.7	2487.7	2477.6	2330.9	2300.7	2290.5
60°	2290.5	2300.7	2320.9	2315.8	2320.9	2300.7	2290.5	2280.3	2153.9	2133.7	2098.4
62.5°	2083.2	2093.3	2098.4	2088.2	2098.4	2093.3	2083.2	2052.9	1977.0	1961.8	1916.3
65°	1865.8	1875.9	1880.9	1870.8	1880.9	1875.9	1865.8	1850.6	1795.0	1769.7	1729.3
67.5°	1643.3	1638.2	1633.1	1653.4	1633.1	1638.2	1643.3	1623.1	1587.7	1567.4	1511.8
70°	1415.7	1415.7	1410.7	1420.8	1410.7	1415.7	1415.7	1400.6	1380.4	1365.2	1314.6
72.5°	1173.1	1168.0	1188.2	1173.1	1188.2	1168.0	1173.1	1168.0	1157.8	1142.7	1092.1
75°	935.4	945.5	935.4	950.6	935.4	945.5	935.4	940.4	935.4	925.3	889.9
77.5°	712.9	723.1	712.9	712.9	712.9	723.1	712.9	718.0	718.0	718.0	687.6
80°	505.7	500.6	500.6	495.5	500.6	500.6	505.7	505.7	510.6	500.6	490.4
82.5°	323.6	318.5	318.5	328.7	318.5	318.5	323.6	328.7	318.5	318.5	318.5
85°	177.0	182.1	171.9	171.9	171.9	182.1	177.0	166.8	177.0	177.0	171.9
87.5°	65.7	60.7	60.7	60.7	60.7	60.7	65.7	70.8	70.8	70.8	75.8
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5278.8	5304.1	5319.2	5339.5	5390.1
5°	5076.5	5172.6	5202.9	5278.8	5369.7
7.5°	4631.6	4924.8	5005.7	5187.8	5329.3
10°	4201.8	4495.0	4636.6	5066.5	5278.8
12.5°	3984.4	4156.3	4252.3	4854.0	5208.0
15°	3847.8	3969.2	4040.0	4570.8	5127.1
17.5°	3741.7	3827.6	3878.2	4292.8	5015.9
20°	3675.9	3716.4	3761.9	4090.6	4889.5
22.5°	3630.4	3605.1	3640.6	3948.9	4717.6
25°	3600.0	3504.0	3544.5	3837.7	4515.3
27.5°	3625.3	3413.0	3428.1	3736.6	4302.9
30°	3630.4	3301.7	3306.8	3630.4	4065.3
32.5°	3595.1	3185.5	3190.5	3498.9	3797.2
35°	3509.1	3049.0	3043.9	3347.3	3433.2
37.5°	3392.8	2902.3	2902.3	3180.4	3033.8
40°	3251.2	2755.6	2770.9	2963.0	2679.8
42.5°	3079.2	2599.0	2619.2	2674.8	2416.9
45°	2892.2	2447.3	2462.4	2260.1	2214.6
47.5°	2684.9	2290.5	2295.6	1875.9	2149.0
50°	2437.1	2128.7	2108.4	1607.9	2143.9
52.5°	2219.7	1951.8	1891.0	1456.3	1946.7
55°	2007.3	1764.6	1633.1	1339.9	1805.1
57.5°	1820.3	1522.0	1395.5	1203.4	1774.8
60°	1648.4	1284.3	1188.2	1056.8	1628.2
62.5°	1506.7	1107.4	1087.1	955.7	1476.5
65°	1355.1	985.9	981.0	869.7	1254.0
67.5°	1208.4	905.1	900.0	788.7	955.7
70°	1051.7	819.1	809.1	702.8	707.9
72.5°	889.9	723.1	712.9	632.1	586.5
75°	728.1	611.8	606.8	551.1	475.3
77.5°	571.4	485.5	495.5	444.9	348.9
80°	409.6	354.0	364.0	318.5	262.9
82.5°	273.0	232.6	242.7	202.3	177.0
85°	151.7	131.5	136.6	106.2	80.9
87.5°	70.8	60.7	60.7	40.4	25.3
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: P936177

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936177
 CATALOG NUMBER: SQ4-FA-150U-125D-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	13.93	14.73	14.94	15.75	17.12	16.78	17.58	17.79	18.61	19.97
	3H	14.40	15.12	15.42	16.15	17.53	18.13	18.85	19.15	19.88	21.26
	4H	14.59	15.27	15.62	16.30	17.69	18.57	19.26	19.61	20.29	21.68
	6H	14.70	15.33	15.75	16.37	17.77	18.86	19.49	19.90	20.53	21.93
	8H	14.70	15.30	15.75	16.36	17.75	18.94	19.54	19.99	20.59	21.98
	12H	14.67	15.24	15.73	16.29	17.71	18.98	19.55	20.03	20.59	22.01
4H	2H	14.96	15.64	16.00	16.67	18.06	17.18	17.86	18.22	18.90	20.29
	3H	15.98	16.55	17.03	17.61	19.01	18.69	19.26	19.74	20.32	21.72
	4H	16.25	16.78	17.31	17.83	19.25	19.22	19.74	20.27	20.79	22.22
	6H	16.38	16.82	17.44	17.90	19.32	19.59	20.03	20.65	21.11	22.53
	8H	16.38	16.80	17.45	17.87	19.30	19.69	20.11	20.76	21.18	22.61
	12H	16.34	16.72	17.43	17.80	19.24	19.75	20.13	20.83	21.21	22.65
8H	4H	16.71	17.13	17.77	18.19	19.63	19.34	19.76	20.40	20.82	22.26
	6H	16.97	17.31	18.05	18.42	19.85	19.78	20.12	20.87	21.23	22.66
	8H	17.01	17.31	18.10	18.40	19.86	19.93	20.24	21.03	21.33	22.78
	12H	16.99	17.26	18.09	18.34	19.84	20.03	20.30	21.13	21.39	22.88
12H	4H	16.71	17.09	17.79	18.17	19.61	19.30	19.68	20.38	20.76	22.20
	6H	17.03	17.33	18.12	18.42	19.88	19.77	20.08	20.87	21.17	22.62
	8H	17.09	17.36	18.19	18.45	19.94	19.94	20.20	21.03	21.29	22.78