

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: P936127

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936127
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-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

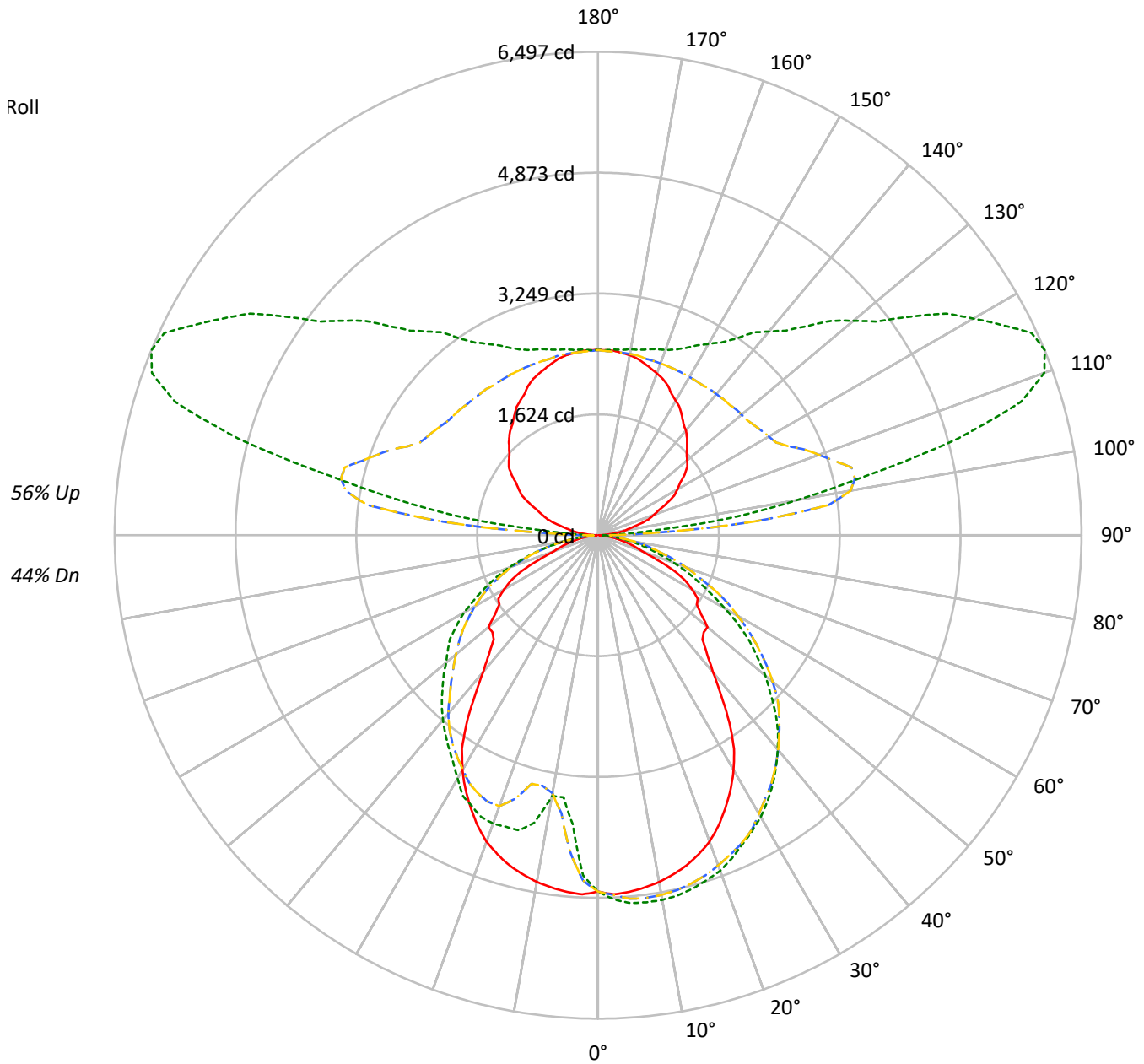
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28561.2 lumens
Efficiency: N/A
Efficacy: 114.4 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

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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14931	14955	14931	11759
10°	14837	14732	14837	10532
15°	14681	14412	14681	12035
20°	14380	14034	14380	12060
25°	13757	13483	13757	11804
30°	12950	13025	12950	11243
35°	11551	12446	11551	10627
40°	9630	11764	9630	10161
45°	8610	10966	8610	9625
50°	9155	10014	9155	9087
55°	8621	8989	8621	8776
60°	8898	7634	8898	8038
65°	8081	6311	8081	7054
70°	5609	5029	5609	5913
75°	4937	3718	4937	4452
80°	4009	2458	4009	2676
85°	2349	1302	2349	1107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13188 cd/sqm



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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	1.5
10°-20°	1227.6	4.3
20°-30°	1897.6	6.6
30°-40°	2265.4	7.9
40°-50°	2278.7	8.0
50°-60°	1982.7	6.9
60°-70°	1405.8	4.9
70°-80°	743.7	2.6
80°-90°	194.7	0.7
90°-100°	1213.1	4.2
100°-110°	3189.2	11.2
110°-120°	3306.9	11.6
120°-130°	2652.5	9.3
130°-140°	2081.3	7.3
140°-150°	1597.5	5.6
150°-160°	1150.4	4.0
160°-170°	703.9	2.5
170°-180°	237.8	0.8
0°-30°	3557.6	12.5
0°-40°	5822.9	20.4
0°-60°	10084.3	35.3
0°-90°	12428.5	43.5
90°-120°	7709.2	27.0
90°-150°	14040.5	49.2
90°-180°	16133.0	56.5
0°-180°	28561.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4790	4790	4790	4790	4790	
5°	4812	4962	4812	3902	4812	457
15°	4595	4917	4595	4106	4595	1293
25°	4047	4586	4047	4015	4047	1858
35°	3077	4092	3077	3494	3077	1904
45°	1985	3371	1985	2959	1985	1590
55°	1618	2488	1618	2429	1618	1487
65°	1124	1500	1124	1677	1124	1074
75°	426	711	426	852	426	448
85°	72	181	72	154	72	98
90°	17	64	17	64	17	17
95°	160	733	160	733	160	178
105°	575	4994	575	4994	575	609
115°	1020	6430	1020	6430	1020	1008
125°	1420	5121	1420	5121	1420	1260
135°	1692	3973	1692	3973	1692	1309
145°	1962	3224	1962	3224	1962	1229
155°	2218	2776	2218	2776	2218	1019
165°	2393	2586	2393	2586	2393	675
175°	2489	2505	2489	2505	2489	236
180°	2489	2489	2489	2489	2489	



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4830.6	4830.6	4857.7	4866.8	4866.8	4853.2	4839.6	4853.2	4894.0	4907.6	4903.1
5°	4812.4	4848.7	4898.5	4907.6	4916.6	4912.1	4903.1	4912.1	4957.4	4966.5	4971.0
7.5°	4776.1	4844.2	4907.6	4921.2	4934.8	4921.2	4916.6	4925.7	4971.0	4980.1	4980.1
10°	4730.9	4826.0	4898.5	4907.6	4921.2	4907.6	4907.6	4925.7	4971.0	4980.1	4984.7
12.5°	4667.4	4798.8	4866.8	4875.8	4894.0	4889.4	4885.0	4903.1	4948.3	4957.4	4957.4
15°	4594.9	4749.0	4812.4	4821.5	4853.2	4844.2	4844.2	4862.3	4912.1	4925.7	4921.2
17.5°	4495.2	4685.5	4758.0	4771.7	4794.3	4789.8	4794.3	4812.4	4857.7	4866.8	4871.3
20°	4382.0	4599.4	4685.5	4699.1	4721.8	4721.8	4721.8	4744.5	4789.8	4807.9	4807.9
22.5°	4227.9	4508.8	4599.4	4608.5	4635.7	4635.7	4644.7	4676.4	4717.2	4721.8	4721.8
25°	4046.6	4409.1	4486.1	4513.4	4540.6	4554.1	4567.7	4585.8	4599.4	4594.9	4599.4
27.5°	3856.3	4282.3	4382.0	4400.1	4436.3	4449.9	4468.0	4472.6	4477.1	4490.7	4481.7
30°	3643.3	4105.5	4255.0	4273.2	4332.1	4341.2	4323.0	4332.1	4354.7	4363.8	4372.9
32.5°	3403.1	3842.7	4123.6	4164.4	4218.8	4191.7	4187.1	4200.7	4236.9	4236.9	4246.0
35°	3076.9	3638.8	4001.3	4037.5	4078.3	4046.6	4064.7	4069.3	4091.9	4105.5	4101.0
37.5°	2718.9	3462.0	3874.4	3901.6	3933.3	3892.5	3919.8	3933.3	3951.5	3942.3	3942.3
40°	2401.7	3185.6	3724.9	3743.0	3770.2	3738.5	3765.7	3774.7	3783.8	3774.7	3770.2
42.5°	2166.0	2882.0	3566.3	3589.0	3570.8	3593.4	3602.5	3620.6	3607.1	3589.0	3589.0
45°	1984.7	2800.4	3394.1	3421.2	3394.1	3430.3	3443.9	3443.9	3403.1	3394.1	3389.5
47.5°	1925.9	2637.3	3221.9	3221.9	3208.3	3253.6	3276.3	3244.5	3203.8	3190.1	3190.1
50°	1921.4	2456.0	2986.3	2968.1	3031.5	3086.0	3063.3	3031.5	2999.8	2950.0	2950.0
52.5°	1744.6	2234.0	2682.6	2750.6	2850.3	2882.0	2845.8	2814.1	2759.6	2737.0	2718.9
55°	1617.7	2003.0	2406.2	2542.2	2646.4	2687.1	2619.2	2587.4	2505.9	2492.3	2483.3
57.5°	1590.6	1667.6	2152.5	2324.7	2451.5	2447.0	2406.2	2347.3	2279.3	2265.7	2261.2
60°	1459.2	1205.4	1880.6	2084.4	2215.9	2202.3	2166.0	2111.7	2048.2	2039.2	2030.1
62.5°	1323.2	874.6	1572.4	1803.5	1989.3	1984.7	1953.1	1871.5	1826.2	1803.5	1785.4
65°	1123.8	734.1	1119.3	1500.0	1767.3	1776.3	1708.4	1649.5	1599.6	1572.4	1567.9
67.5°	856.5	598.1	756.8	1250.6	1554.3	1545.2	1459.2	1431.9	1368.5	1354.9	1327.7
70°	634.4	398.7	525.7	1015.1	1345.8	1323.2	1255.2	1223.5	1164.6	1132.8	1114.7
72.5°	525.7	321.7	385.2	788.5	1132.8	1105.7	1046.8	1010.5	960.6	933.5	915.4
75°	426.0	339.8	294.6	584.6	919.8	901.7	847.4	811.1	770.3	734.1	738.6
77.5°	312.7	317.2	235.7	430.5	729.5	702.4	670.6	625.4	607.2	571.0	571.0
80°	235.7	249.2	176.7	294.6	525.7	525.7	498.4	466.8	435.1	416.9	416.9
82.5°	158.6	158.6	131.4	185.8	358.0	344.4	326.3	317.2	299.1	290.0	290.0
85°	72.5	90.6	81.6	113.3	194.9	203.9	203.9	194.9	190.3	181.3	185.8
87.5°	22.7	40.8	49.8	63.5	99.7	104.3	108.7	108.7	108.7	113.3	113.3
90°	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6	63.5	63.5
92.5°	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8	317.3	304.7
95°	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7	1077.3	1039.1
97.5°	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2	2486.9	2414.2
100°	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8	3492.4	3405.7
102.5°	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2	4350.9	4276.6
105°	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9	5353.0	5313.1
107.5°	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5	5874.1	5883.7
110°	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9	6007.7	6049.3



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5	5922.5	5986.4
115°	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1	5633.6	5722.1
117.5°	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3	5234.4	5332.6
120°	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3	4965.5	5060.9
122.5°	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3	4696.6	4790.7
125°	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2	4340.8	4427.5
127.5°	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1	4055.3	4128.4
130°	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4	3874.9	3942.4
132.5°	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1	3721.2	3781.8
135°	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6	3504.1	3556.2
137.5°	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6	3343.8	3386.4
140°	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0	3215.1	3255.0
142.5°	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8	3125.0	3159.3
145°	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0	2989.7	3015.6
147.5°	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3	2876.1	2897.6
150°	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9	2810.9	2828.4
152.5°	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4	2759.2	2772.4
155°	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3	2697.4	2706.2
157.5°	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5	2643.9	2650.1
160°	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7	2617.2	2620.7
162.5°	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1	2592.2	2595.5
165°	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4	2553.7	2557.3
167.5°	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8	2537.0	2538.5
170°	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8	2537.0	2537.0
172.5°	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0	2523.7	2522.4
175°	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7	2505.3	2505.3
177.5°	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6	2501.9	2500.4
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4912.1	4898.5	4912.1	4903.1	4907.6	4894.0	4853.2	4839.6	4853.2	4866.8	4866.8
5°	4971.0	4962.0	4971.0	4971.0	4966.5	4957.4	4912.1	4903.1	4912.1	4916.6	4907.6
7.5°	4989.1	4975.6	4989.1	4980.1	4980.1	4971.0	4925.7	4916.6	4921.2	4934.8	4921.2
10°	4989.1	4975.6	4989.1	4984.7	4980.1	4971.0	4925.7	4907.6	4907.6	4921.2	4907.6
12.5°	4966.5	4957.4	4966.5	4957.4	4957.4	4948.3	4903.1	4885.0	4889.4	4894.0	4875.8
15°	4930.2	4916.6	4930.2	4921.2	4925.7	4912.1	4862.3	4844.2	4844.2	4853.2	4821.5
17.5°	4875.8	4857.7	4875.8	4871.3	4866.8	4857.7	4812.4	4794.3	4789.8	4794.3	4771.7
20°	4812.4	4798.8	4812.4	4807.9	4807.9	4789.8	4744.5	4721.8	4721.8	4721.8	4699.1
22.5°	4712.8	4699.1	4712.8	4721.8	4721.8	4717.2	4676.4	4644.7	4635.7	4635.7	4608.5
25°	4599.4	4585.8	4599.4	4599.4	4594.9	4599.4	4585.8	4567.7	4554.1	4540.6	4513.4
27.5°	4490.7	4481.7	4490.7	4481.7	4490.7	4477.1	4472.6	4468.0	4449.9	4436.3	4400.1
30°	4382.0	4372.9	4382.0	4372.9	4363.8	4354.7	4332.1	4323.0	4341.2	4332.1	4273.2
32.5°	4246.0	4236.9	4246.0	4246.0	4236.9	4236.9	4200.7	4187.1	4191.7	4218.8	4164.4
35°	4105.5	4091.9	4105.5	4101.0	4105.5	4091.9	4069.3	4064.7	4046.6	4078.3	4037.5
37.5°	3942.3	3928.8	3942.3	3942.3	3942.3	3951.5	3933.3	3919.8	3892.5	3933.3	3901.6
40°	3774.7	3756.6	3774.7	3770.2	3774.7	3783.8	3774.7	3765.7	3738.5	3770.2	3743.0
42.5°	3584.4	3579.9	3584.4	3589.0	3589.0	3607.1	3620.6	3602.5	3593.4	3570.8	3589.0
45°	3380.4	3371.4	3380.4	3389.5	3394.1	3403.1	3443.9	3443.9	3430.3	3394.1	3421.2
47.5°	3163.0	3140.3	3163.0	3190.1	3190.1	3203.8	3244.5	3276.3	3253.6	3208.3	3221.9
50°	2931.9	2936.4	2931.9	2950.0	2950.0	2999.8	3031.5	3063.3	3086.0	3031.5	2968.1
52.5°	2705.3	2700.8	2705.3	2718.9	2737.0	2759.6	2814.1	2845.8	2882.0	2850.3	2750.6
55°	2478.7	2487.8	2478.7	2483.3	2492.3	2505.9	2587.4	2619.2	2687.1	2646.4	2542.2
57.5°	2252.2	2238.5	2252.2	2261.2	2265.7	2279.3	2347.3	2406.2	2447.0	2451.5	2324.7
60°	1989.3	1971.2	1989.3	2030.1	2039.2	2048.2	2111.7	2166.0	2202.3	2215.9	2084.4
62.5°	1758.2	1726.5	1758.2	1785.4	1803.5	1826.2	1871.5	1953.1	1984.7	1989.3	1803.5
65°	1513.5	1500.0	1513.5	1567.9	1572.4	1599.6	1649.5	1708.4	1776.3	1767.3	1500.0
67.5°	1291.4	1291.4	1291.4	1327.7	1354.9	1368.5	1431.9	1459.2	1545.2	1554.3	1250.6
70°	1087.6	1083.0	1087.6	1114.7	1132.8	1164.6	1223.5	1255.2	1323.2	1345.8	1015.1
72.5°	892.7	888.2	892.7	915.4	933.5	960.6	1010.5	1046.8	1105.7	1132.8	788.5
75°	720.5	711.4	720.5	738.6	734.1	770.3	811.1	847.4	901.7	919.8	584.6
77.5°	552.8	552.8	552.8	571.0	571.0	607.2	625.4	670.6	702.4	729.5	430.5
80°	412.4	407.8	412.4	416.9	416.9	435.1	466.8	498.4	525.7	525.7	294.6
82.5°	290.0	280.9	290.0	290.0	290.0	299.1	317.2	326.3	344.4	358.0	185.8
85°	181.3	181.3	181.3	185.8	181.3	190.3	194.9	203.9	203.9	194.9	113.3
87.5°	117.8	113.3	117.8	113.3	113.3	108.7	108.7	108.7	104.3	99.7	63.5
90°	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1	73.5	46.8
92.5°	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6	453.2	322.3
95°	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7	1115.2	628.0
97.5°	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1	1502.1	689.8
100°	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7	1643.0	741.6
102.5°	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4	1707.5	793.4
105°	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6	1755.4	870.2
107.5°	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0	1764.3	983.8
110°	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2	1751.0	1047.2



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1	1751.5	1124.1
115°	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1	1767.7	1239.3
117.5°	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5	1800.4	1351.2
120°	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0	1827.2	1416.3
122.5°	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2	1865.7	1493.2
125°	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7	1917.4	1591.7
127.5°	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5	1969.1	1686.9
130°	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2	2007.0	1750.3
132.5°	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6	2037.6	1802.1
135°	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5	2071.1	1862.3
137.5°	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8	2121.1	1939.1
140°	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2	2151.7	1990.9
142.5°	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8	2177.4	2029.3
145°	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8	2210.8	2087.7
147.5°	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2	2259.8	2161.2
150°	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7	2285.4	2199.7
152.5°	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3	2302.1	2224.7
155°	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5	2338.8	2279.8
157.5°	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7	2375.5	2334.9
160°	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3	2392.3	2360.0
162.5°	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2	2410.1	2386.7
165°	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8	2435.7	2425.2
167.5°	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6	2455.8	2446.8
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2	2472.5	2471.9
172.5°	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9	2483.6	2488.6
177.5°	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5	2484.7	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4857.7	4830.6	4830.6	4785.2	4767.1	4753.6	4730.9	4662.9	4644.7	4626.6	4653.9
5°	4898.5	4848.7	4812.4	4730.9	4662.9	4635.7	4549.6	4386.4	4277.7	4196.1	4150.9
7.5°	4907.6	4844.2	4776.1	4649.3	4486.1	4413.6	4150.9	3851.7	3770.2	3697.7	3652.3
10°	4898.5	4826.0	4730.9	4540.6	4155.3	4028.5	3765.7	3570.8	3520.9	3507.4	3520.9
12.5°	4866.8	4798.8	4667.4	4350.2	3811.0	3724.9	3570.8	3457.5	3448.5	3471.1	3593.4
15°	4812.4	4749.0	4594.9	4096.4	3620.6	3557.2	3448.5	3407.7	3457.5	3616.1	3983.1
17.5°	4758.0	4685.5	4495.2	3847.2	3475.7	3430.3	3353.3	3434.9	3715.8	3928.8	4051.2
20°	4685.5	4599.4	4382.0	3666.0	3371.4	3330.6	3294.4	3661.4	3874.4	3951.5	4019.4
22.5°	4599.4	4508.8	4227.9	3539.1	3262.7	3230.9	3253.6	3788.3	3874.4	3928.8	3987.7
25°	4486.1	4409.1	4046.6	3439.4	3176.6	3140.3	3226.4	3774.7	3824.5	3838.2	3956.0
27.5°	4382.0	4282.3	3856.3	3348.8	3072.3	3058.7	3249.0	3715.8	3752.0	3765.7	3892.5
30°	4255.0	4105.5	3643.3	3253.6	2963.6	2959.0	3253.6	3643.3	3634.2	3670.5	3797.4
32.5°	4123.6	3842.7	3403.1	3135.8	2859.3	2854.9	3221.9	3534.5	3525.5	3575.3	3670.5
35°	4001.3	3638.8	3076.9	2999.8	2727.9	2732.5	3144.9	3407.7	3412.2	3457.5	3516.4
37.5°	3874.4	3462.0	2718.9	2850.3	2601.1	2601.1	3040.6	3289.8	3280.8	3294.4	3376.0
40°	3724.9	3185.6	2401.7	2655.5	2483.3	2469.6	2913.8	3163.0	3131.2	3126.8	3240.0
42.5°	3566.3	2882.0	2166.0	2397.1	2347.3	2329.2	2759.6	3008.9	2950.0	2963.6	3108.5
45°	3394.1	2800.4	1984.7	2025.5	2206.8	2193.3	2592.0	2832.2	2791.4	2827.6	2977.2
47.5°	3221.9	2637.3	1925.9	1681.2	2057.3	2052.8	2406.2	2660.0	2637.3	2673.6	2832.2
50°	2986.3	2456.0	1921.4	1441.0	1889.6	1907.7	2184.2	2492.3	2492.3	2524.1	2691.7
52.5°	2682.6	2234.0	1744.6	1305.1	1694.7	1749.2	1989.3	2347.3	2356.3	2388.1	2537.6
55°	2406.2	2003.0	1617.7	1200.8	1463.6	1581.5	1799.0	2197.7	2215.9	2247.6	2383.6
57.5°	2152.5	1667.6	1590.6	1078.5	1250.6	1364.0	1631.4	2052.8	2061.9	2089.0	2220.4
60°	1880.6	1205.4	1459.2	947.1	1064.9	1151.0	1477.3	1880.6	1912.3	1930.4	2043.7
62.5°	1572.4	874.6	1323.2	856.5	974.3	992.4	1350.4	1717.4	1758.2	1771.8	1839.8
65°	1119.3	734.1	1123.8	779.4	879.1	883.6	1214.4	1549.8	1586.0	1608.7	1658.5
67.5°	756.8	598.1	856.5	706.9	806.6	811.1	1083.0	1354.9	1404.7	1422.9	1454.6
70°	525.7	398.7	634.4	629.8	725.1	734.1	942.5	1178.2	1223.5	1237.1	1255.2
72.5°	385.2	321.7	525.7	566.5	638.9	648.0	797.6	978.8	1024.1	1037.7	1046.8
75°	294.6	339.8	426.0	493.9	543.8	548.3	652.5	797.6	829.2	838.3	842.8
77.5°	235.7	317.2	312.7	398.7	444.1	435.1	512.1	616.3	643.5	643.5	643.5
80°	176.7	249.2	235.7	285.5	326.3	317.2	367.0	439.5	448.6	457.6	453.2
82.5°	131.4	158.6	158.6	181.3	217.5	208.4	244.7	285.5	285.5	285.5	294.6
85°	81.6	90.6	72.5	95.2	122.4	117.8	135.9	154.1	158.6	158.6	149.5
87.5°	49.8	40.8	22.7	36.2	54.4	54.4	63.5	67.9	63.5	63.5	63.5
90°	43.5	30.1	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6
92.5°	293.9	180.3	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8
95°	576.0	368.1	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7
97.5°	643.9	460.6	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2
100°	700.0	533.7	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8
102.5°	754.5	599.4	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2
105°	837.4	706.0	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9
107.5°	953.1	830.7	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5
110°	1019.6	909.0	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1097.7	992.3	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5
115°	1215.0	1117.7	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1
117.5°	1329.1	1240.7	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3
120°	1395.5	1312.4	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3
122.5°	1472.2	1388.3	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3
125°	1572.6	1496.1	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2
127.5°	1667.6	1590.4	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1
130°	1729.5	1646.4	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4
132.5°	1781.3	1698.2	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1
135°	1843.3	1767.6	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6
137.5°	1920.4	1845.4	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6
140°	1973.7	1904.6	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0
142.5°	2013.3	1949.5	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8
145°	2073.8	2018.2	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0
147.5°	2147.6	2093.5	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3
150°	2187.5	2138.4	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9
152.5°	2215.4	2178.3	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4
155°	2273.0	2245.6	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3
157.5°	2328.2	2301.5	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5
160°	2354.8	2334.0	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7
162.5°	2382.8	2367.2	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1
165°	2421.6	2407.5	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4
167.5°	2445.2	2438.5	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8
170°	2470.2	2463.5	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8
172.5°	2473.2	2471.7	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0
175°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7
177.5°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4622.1	4608.5	4626.6	4576.8	4626.6	4608.5	4622.1	4653.9	4626.6	4644.7	4662.9
5°	4055.7	4033.0	3960.5	3901.6	3960.5	4033.0	4055.7	4150.9	4196.1	4277.7	4386.4
7.5°	3625.2	3607.1	3589.0	3552.7	3589.0	3607.1	3625.2	3652.3	3697.7	3770.2	3851.7
10°	3530.0	3534.5	3561.7	3557.2	3561.7	3534.5	3530.0	3520.9	3507.4	3520.9	3570.8
12.5°	3774.7	3815.5	3965.0	3956.0	3965.0	3815.5	3774.7	3593.4	3471.1	3448.5	3457.5
15°	4055.7	4069.3	4101.0	4105.5	4101.0	4069.3	4055.7	3983.1	3616.1	3457.5	3407.7
17.5°	4082.8	4087.4	4110.1	4110.1	4110.1	4087.4	4082.8	4051.2	3928.8	3715.8	3434.9
20°	4060.2	4069.3	4114.6	4123.6	4114.6	4069.3	4060.2	4019.4	3951.5	3874.4	3661.4
22.5°	4051.2	4069.3	4105.5	4101.0	4105.5	4069.3	4051.2	3987.7	3928.8	3874.4	3788.3
25°	4005.8	4005.8	4010.4	4014.9	4010.4	4005.8	4005.8	3956.0	3838.2	3824.5	3774.7
27.5°	3910.7	3919.8	3946.9	3942.3	3946.9	3919.8	3910.7	3892.5	3765.7	3752.0	3715.8
30°	3824.5	3815.5	3792.8	3774.7	3792.8	3815.5	3824.5	3797.4	3670.5	3634.2	3643.3
32.5°	3679.6	3656.9	3634.2	3620.6	3634.2	3656.9	3679.6	3670.5	3575.3	3525.5	3534.5
35°	3507.4	3511.9	3507.4	3493.8	3507.4	3511.9	3507.4	3516.4	3457.5	3412.2	3407.7
37.5°	3385.0	3394.1	3389.5	3371.4	3389.5	3394.1	3385.0	3376.0	3294.4	3280.8	3289.8
40°	3258.2	3262.7	3258.2	3244.5	3258.2	3262.7	3258.2	3240.0	3126.8	3131.2	3163.0
42.5°	3135.8	3131.2	3117.7	3108.5	3117.7	3131.2	3135.8	3108.5	2963.6	2950.0	3008.9
45°	2995.3	2999.8	2972.6	2959.0	2972.6	2999.8	2995.3	2977.2	2827.6	2791.4	2832.2
47.5°	2854.9	2854.9	2832.2	2818.5	2832.2	2854.9	2854.9	2832.2	2673.6	2637.3	2660.0
50°	2705.3	2700.8	2669.0	2664.5	2669.0	2700.8	2705.3	2691.7	2524.1	2492.3	2492.3
52.5°	2533.1	2533.1	2537.6	2546.6	2537.6	2533.1	2533.1	2537.6	2388.1	2356.3	2347.3
55°	2383.6	2388.1	2419.8	2428.9	2419.8	2388.1	2383.6	2383.6	2247.6	2215.9	2197.7
57.5°	2229.5	2229.5	2252.2	2252.2	2252.2	2229.5	2229.5	2220.4	2089.0	2061.9	2052.8
60°	2052.8	2061.9	2080.0	2075.4	2080.0	2061.9	2052.8	2043.7	1930.4	1912.3	1880.6
62.5°	1867.0	1876.0	1880.6	1871.5	1880.6	1876.0	1867.0	1839.8	1771.8	1758.2	1717.4
65°	1672.1	1681.2	1685.7	1676.6	1685.7	1681.2	1672.1	1658.5	1608.7	1586.0	1549.8
67.5°	1472.7	1468.2	1463.6	1481.7	1463.6	1468.2	1472.7	1454.6	1422.9	1404.7	1354.9
70°	1268.8	1268.8	1264.3	1273.3	1264.3	1268.8	1268.8	1255.2	1237.1	1223.5	1178.2
72.5°	1051.3	1046.8	1064.9	1051.3	1064.9	1046.8	1051.3	1046.8	1037.7	1024.1	978.8
75°	838.3	847.4	838.3	851.9	838.3	847.4	838.3	842.8	838.3	829.2	797.6
77.5°	638.9	648.0	638.9	638.9	638.9	648.0	638.9	643.5	643.5	643.5	616.3
80°	453.2	448.6	448.6	444.1	448.6	448.6	453.2	453.2	457.6	448.6	439.5
82.5°	290.0	285.5	285.5	294.6	285.5	285.5	290.0	294.6	285.5	285.5	285.5
85°	158.6	163.2	154.1	154.1	154.1	163.2	158.6	149.5	158.6	158.6	154.1
87.5°	58.9	54.4	54.4	54.4	54.4	54.4	58.9	63.5	63.5	63.5	67.9
90°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1
92.5°	317.3	304.7	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6
95°	1077.3	1039.1	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7
97.5°	2486.9	2414.2	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1
100°	3492.4	3405.7	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7
102.5°	4350.9	4276.6	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4
105°	5353.0	5313.1	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6
107.5°	5874.1	5883.7	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0
110°	6007.7	6049.3	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5922.5	5986.4	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1
115°	5633.6	5722.1	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1
117.5°	5234.4	5332.6	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5
120°	4965.5	5060.9	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0
122.5°	4696.6	4790.7	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2
125°	4340.8	4427.5	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7
127.5°	4055.3	4128.4	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5
130°	3874.9	3942.4	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2
132.5°	3721.2	3781.8	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6
135°	3504.1	3556.2	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5
137.5°	3343.8	3386.4	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8
140°	3215.1	3255.0	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2
142.5°	3125.0	3159.3	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8
145°	2989.7	3015.6	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8
147.5°	2876.1	2897.6	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2
150°	2810.9	2828.4	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7
152.5°	2759.2	2772.4	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3
155°	2697.4	2706.2	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5
157.5°	2643.9	2650.1	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7
160°	2617.2	2620.7	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3
162.5°	2592.2	2595.5	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2
165°	2553.7	2557.3	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8
167.5°	2537.0	2538.5	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2
172.5°	2523.7	2522.4	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9
177.5°	2501.9	2500.4	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4730.9	4753.6	4767.1	4785.2	4830.6
5°	4549.6	4635.7	4662.9	4730.9	4812.4
7.5°	4150.9	4413.6	4486.1	4649.3	4776.1
10°	3765.7	4028.5	4155.3	4540.6	4730.9
12.5°	3570.8	3724.9	3811.0	4350.2	4667.4
15°	3448.5	3557.2	3620.6	4096.4	4594.9
17.5°	3353.3	3430.3	3475.7	3847.2	4495.2
20°	3294.4	3330.6	3371.4	3666.0	4382.0
22.5°	3253.6	3230.9	3262.7	3539.1	4227.9
25°	3226.4	3140.3	3176.6	3439.4	4046.6
27.5°	3249.0	3058.7	3072.3	3348.8	3856.3
30°	3253.6	2959.0	2963.6	3253.6	3643.3
32.5°	3221.9	2854.9	2859.3	3135.8	3403.1
35°	3144.9	2732.5	2727.9	2999.8	3076.9
37.5°	3040.6	2601.1	2601.1	2850.3	2718.9
40°	2913.8	2469.6	2483.3	2655.5	2401.7
42.5°	2759.6	2329.2	2347.3	2397.1	2166.0
45°	2592.0	2193.3	2206.8	2025.5	1984.7
47.5°	2406.2	2052.8	2057.3	1681.2	1925.9
50°	2184.2	1907.7	1889.6	1441.0	1921.4
52.5°	1989.3	1749.2	1694.7	1305.1	1744.6
55°	1799.0	1581.5	1463.6	1200.8	1617.7
57.5°	1631.4	1364.0	1250.6	1078.5	1590.6
60°	1477.3	1151.0	1064.9	947.1	1459.2
62.5°	1350.4	992.4	974.3	856.5	1323.2
65°	1214.4	883.6	879.1	779.4	1123.8
67.5°	1083.0	811.1	806.6	706.9	856.5
70°	942.5	734.1	725.1	629.8	634.4
72.5°	797.6	648.0	638.9	566.5	525.7
75°	652.5	548.3	543.8	493.9	426.0
77.5°	512.1	435.1	444.1	398.7	312.7
80°	367.0	317.2	326.3	285.5	235.7
82.5°	244.7	208.4	217.5	181.3	158.6
85°	135.9	117.8	122.4	95.2	72.5
87.5°	63.5	54.4	54.4	36.2	22.7
90°	73.5	46.8	43.5	30.1	16.7
92.5°	453.2	322.3	293.9	180.3	66.8
95°	1115.2	628.0	576.0	368.1	160.3
97.5°	1502.1	689.8	643.9	460.6	277.2
100°	1643.0	741.6	700.0	533.7	367.4
102.5°	1707.5	793.4	754.5	599.4	444.3
105°	1755.4	870.2	837.4	706.0	574.6
107.5°	1764.3	983.8	953.1	830.7	708.2
110°	1751.0	1047.2	1019.6	909.0	798.4



TEST NUMBER: P936127

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1751.5	1124.1	1097.7	992.3	886.9
115°	1767.7	1239.3	1215.0	1117.7	1020.5
117.5°	1800.4	1351.2	1329.1	1240.7	1152.5
120°	1827.2	1416.3	1395.5	1312.4	1229.2
122.5°	1865.7	1493.2	1472.2	1388.3	1304.4
125°	1917.4	1591.7	1572.6	1496.1	1419.7
127.5°	1969.1	1686.9	1667.6	1590.4	1513.2
130°	2007.0	1750.3	1729.5	1646.4	1563.3
132.5°	2037.6	1802.1	1781.3	1698.2	1615.1
135°	2071.1	1862.3	1843.3	1767.6	1691.9
137.5°	2121.1	1939.1	1920.4	1845.4	1770.4
140°	2151.7	1990.9	1973.7	1904.6	1835.6
142.5°	2177.4	2029.3	2013.3	1949.5	1885.7
145°	2210.8	2087.7	2073.8	2018.2	1962.5
147.5°	2259.8	2161.2	2147.6	2093.5	2039.3
150°	2285.4	2199.7	2187.5	2138.4	2089.4
152.5°	2302.1	2224.7	2215.4	2178.3	2141.2
155°	2338.8	2279.8	2273.0	2245.6	2218.1
157.5°	2375.5	2334.9	2328.2	2301.5	2274.8
160°	2392.3	2360.0	2354.8	2334.0	2313.2
162.5°	2410.1	2386.7	2382.8	2367.2	2351.6
165°	2435.7	2425.2	2421.6	2407.5	2393.4
167.5°	2455.8	2446.8	2445.2	2438.5	2431.9
170°	2472.5	2471.9	2470.2	2463.5	2456.8
172.5°	2473.5	2473.5	2473.2	2471.7	2470.2
175°	2483.6	2488.6	2488.6	2488.6	2488.6
177.5°	2484.7	2488.6	2488.6	2488.6	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936127
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3500K

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	13.55	14.35	14.56	15.37	16.73	16.40	17.20	17.41	18.22	19.59
	3H	14.02	14.74	15.04	15.77	17.15	17.75	18.47	18.77	19.50	20.88
	4H	14.21	14.89	15.24	15.92	17.31	18.19	18.88	19.23	19.91	21.30
	6H	14.32	14.95	15.37	15.99	17.39	18.48	19.11	19.52	20.15	21.55
	8H	14.32	14.92	15.37	15.98	17.37	18.56	19.15	19.60	20.21	21.60
	12H	14.29	14.86	15.35	15.91	17.33	18.60	19.16	19.65	20.21	21.63
4H	2H	14.58	15.26	15.62	16.29	17.68	16.80	17.48	17.84	18.52	19.90
	3H	15.60	16.17	16.65	17.23	18.63	18.31	18.88	19.36	19.94	21.34
	4H	15.87	16.40	16.93	17.45	18.87	18.84	19.36	19.89	20.41	21.83
	6H	16.00	16.44	17.06	17.52	18.94	19.20	19.65	20.27	20.73	22.15
	8H	16.00	16.42	17.07	17.49	18.92	19.31	19.73	20.38	20.80	22.23
	12H	15.96	16.34	17.05	17.42	18.86	19.37	19.75	20.45	20.83	22.27
8H	4H	16.33	16.74	17.39	17.81	19.25	18.96	19.37	20.02	20.44	21.88
	6H	16.59	16.93	17.67	18.04	19.47	19.40	19.74	20.48	20.85	22.28
	8H	16.63	16.93	17.72	18.02	19.47	19.55	19.85	20.65	20.95	22.40
	12H	16.61	16.88	17.71	17.96	19.45	19.65	19.92	20.75	21.01	22.50
12H	4H	16.33	16.71	17.41	17.79	19.23	18.92	19.30	20.00	20.38	21.82
	6H	16.65	16.95	17.74	18.04	19.49	19.39	19.70	20.49	20.79	22.24
	8H	16.71	16.98	17.81	18.07	19.56	19.55	19.82	20.65	20.91	22.40