

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: P936180

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

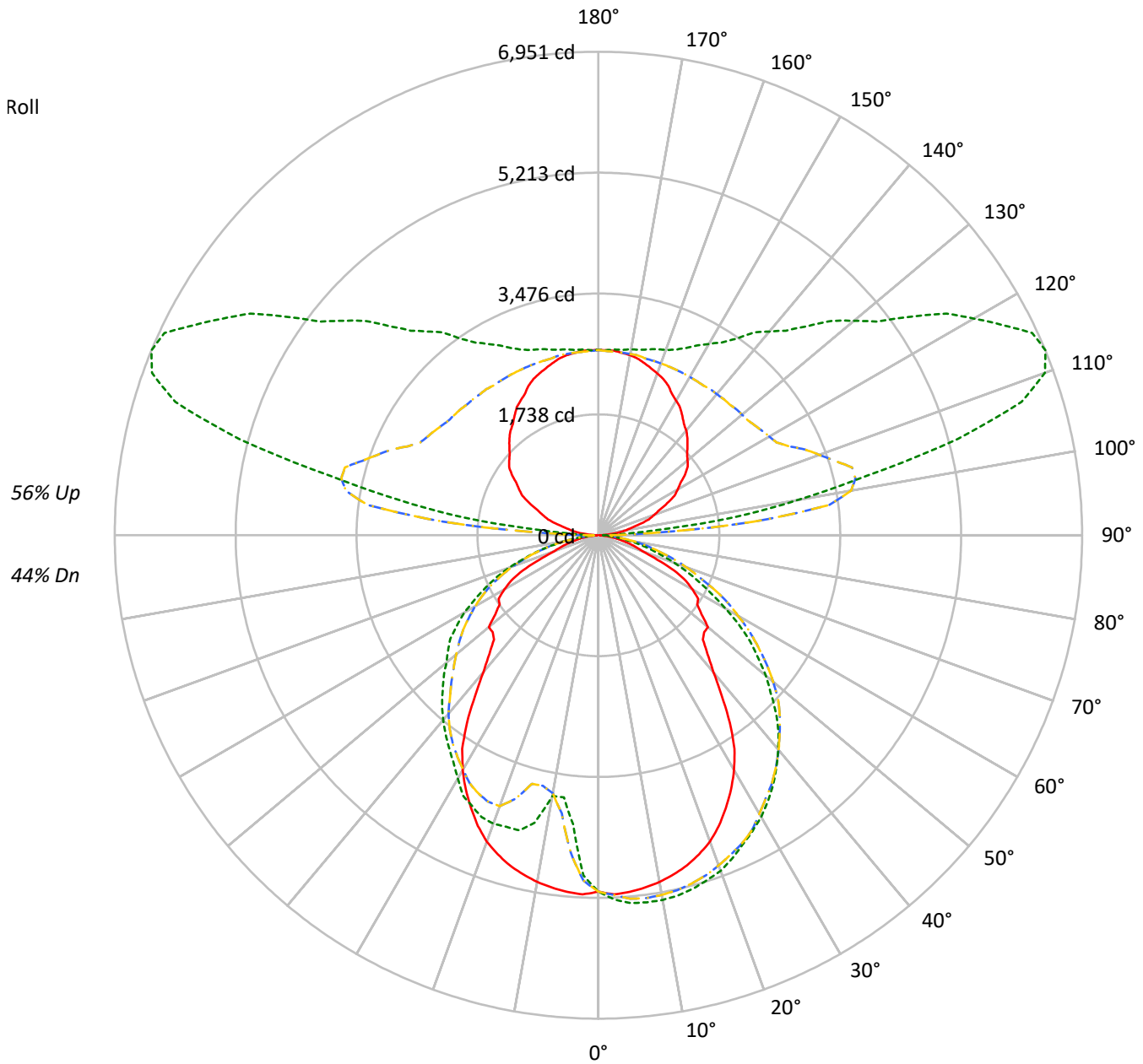
Test Method: LM-79-2019  
Report Number: P936180  
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30557.1 lumens  
Efficiency: N/A  
Efficacy: 122.4 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

TEST NUMBER: P936180  
CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

### 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					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	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	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	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	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	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	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	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	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	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	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	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	11	11	11		

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

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15975	16000	15975	12581
10°	15874	15761	15874	11268
15°	15707	15419	15707	12876
20°	15385	15015	15385	12902
25°	14718	14425	14718	12629
30°	13855	13935	13855	12029
35°	12358	13316	12358	11369
40°	10303	12586	10303	10870
45°	9212	11732	9212	10297
50°	9794	10714	9794	9722
55°	9223	9617	9223	9390
60°	9520	8168	9520	8600
65°	8645	6752	8645	7547
70°	6000	5381	6000	6326
75°	5282	3977	5282	4763
80°	4288	2629	4288	2863
85°	2511	1393	2511	1184

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14110 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.6	1.5
10°-20°	1313.4	4.3
20°-30°	2030.3	6.6
30°-40°	2423.7	7.9
40°-50°	2437.9	8.0
50°-60°	2121.3	6.9
60°-70°	1504.0	4.9
70°-80°	795.7	2.6
80°-90°	208.3	0.7
90°-100°	1297.8	4.2
100°-110°	3412.1	11.2
110°-120°	3538.0	11.6
120°-130°	2837.9	9.3
130°-140°	2226.7	7.3
140°-150°	1709.1	5.6
150°-160°	1230.8	4.0
160°-170°	753.1	2.5
170°-180°	254.4	0.8
0°-30°	3806.2	12.5
0°-40°	6229.9	20.4
0°-60°	10789.0	35.3
0°-90°	13297.1	43.5
90°-120°	8247.9	27.0
90°-150°	15021.7	49.2
90°-180°	17260.0	56.5
0°-180°	30557.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5124	5124	5124	5124	5124	
5°	5149	5309	5149	4174	5149	488
15°	4916	5260	4916	4392	4916	1383
25°	4329	4906	4329	4296	4329	1988
35°	3292	4378	3292	3738	3292	2037
45°	2123	3607	2123	3166	2123	1701
55°	1731	2662	1731	2599	1731	1590
65°	1202	1605	1202	1794	1202	1149
75°	456	761	456	912	456	479
85°	78	194	78	165	78	105
90°	18	68	18	68	18	18
95°	172	784	172	784	172	190
105°	615	5343	615	5343	615	652
115°	1092	6880	1092	6880	1092	1078
125°	1519	5479	1519	5479	1519	1348
135°	1810	4251	1810	4251	1810	1401
145°	2100	3449	2100	3449	2100	1315
155°	2373	2970	2373	2970	2373	1090
165°	2561	2766	2561	2766	2561	723
175°	2662	2680	2662	2680	2662	253
180°	2662	2662	2662	2662	2662	



TEST NUMBER: P936180  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5168.2	5168.2	5197.2	5206.9	5206.9	5192.3	5177.8	5192.3	5236.0	5250.6	5245.7
5°	5148.7	5187.6	5240.8	5250.6	5260.2	5255.4	5245.7	5255.4	5303.9	5313.6	5318.4
7.5°	5109.9	5182.7	5250.6	5265.1	5279.6	5265.1	5260.2	5270.0	5318.4	5328.1	5328.1
10°	5061.5	5163.3	5240.8	5250.6	5265.1	5250.6	5250.6	5270.0	5318.4	5328.1	5333.0
12.5°	4993.6	5134.2	5206.9	5216.6	5236.0	5231.1	5226.3	5245.7	5294.1	5303.9	5303.9
15°	4916.1	5080.9	5148.7	5158.4	5192.3	5182.7	5182.7	5202.1	5255.4	5270.0	5265.1
17.5°	4809.4	5013.0	5090.5	5105.1	5129.3	5124.5	5129.3	5148.7	5197.2	5206.9	5211.7
20°	4688.2	4920.8	5013.0	5027.5	5051.8	5051.8	5051.8	5076.0	5124.5	5143.9	5143.9
22.5°	4523.4	4823.9	4920.8	4930.6	4959.7	4959.7	4969.3	5003.2	5046.9	5051.8	5051.8
25°	4329.4	4717.2	4799.6	4828.8	4857.9	4872.4	4886.9	4906.3	4920.8	4916.1	4920.8
27.5°	4125.8	4581.5	4688.2	4707.6	4746.3	4760.9	4780.3	4785.1	4790.0	4804.5	4794.9
30°	3897.9	4392.4	4552.4	4571.8	4634.8	4644.5	4625.2	4634.8	4659.1	4668.8	4678.4
32.5°	3640.9	4111.3	4411.8	4455.5	4513.6	4484.6	4479.7	4494.2	4533.0	4533.0	4542.7
35°	3291.9	3893.1	4280.9	4319.7	4363.3	4329.4	4348.8	4353.7	4377.9	4392.4	4387.6
37.5°	2908.9	3704.0	4145.2	4174.3	4208.2	4164.6	4193.7	4208.2	4227.6	4217.9	4217.9
40°	2569.5	3408.2	3985.2	4004.6	4033.6	3999.7	4028.9	4038.5	4048.2	4038.5	4033.6
42.5°	2317.4	3083.4	3815.5	3839.8	3820.4	3844.5	3854.3	3873.7	3859.2	3839.8	3839.8
45°	2123.4	2996.1	3631.3	3660.3	3631.3	3670.1	3684.6	3684.6	3640.9	3631.3	3626.4
47.5°	2060.5	2821.6	3447.1	3447.1	3432.5	3481.0	3505.2	3471.2	3427.7	3413.1	3413.1
50°	2055.6	2627.7	3195.0	3175.6	3243.4	3301.6	3277.4	3243.4	3209.5	3156.2	3156.2
52.5°	1866.5	2390.2	2870.1	2942.8	3049.5	3083.4	3044.6	3010.7	2952.5	2928.3	2908.9
55°	1730.7	2142.9	2574.4	2719.8	2831.3	2874.9	2802.3	2768.3	2681.1	2666.5	2656.8
57.5°	1701.7	1784.1	2302.9	2487.1	2622.8	2618.0	2574.4	2511.4	2438.6	2424.1	2419.2
60°	1561.1	1289.6	2012.0	2230.1	2370.8	2356.2	2317.4	2259.2	2191.3	2181.7	2172.0
62.5°	1415.7	935.7	1682.3	1929.6	2128.3	2123.4	2089.5	2002.3	1953.8	1929.6	1910.2
65°	1202.3	785.4	1197.5	1604.8	1890.8	1900.4	1827.8	1764.7	1711.4	1682.3	1677.5
67.5°	916.3	639.9	809.6	1338.1	1662.9	1653.2	1561.1	1532.0	1464.1	1449.6	1420.5
70°	678.7	426.6	562.4	1086.0	1439.9	1415.7	1342.9	1309.0	1246.0	1212.0	1192.6
72.5°	562.4	344.2	412.1	843.6	1212.0	1183.0	1119.9	1081.2	1027.8	998.7	979.4
75°	455.7	363.6	315.2	625.4	984.1	964.7	906.6	867.8	824.2	785.4	790.3
77.5°	334.5	339.4	252.1	460.6	780.5	751.5	717.5	669.1	649.7	610.9	610.9
80°	252.1	266.6	189.1	315.2	562.4	562.4	533.3	499.4	465.5	446.0	446.0
82.5°	169.7	169.7	140.6	198.7	383.1	368.4	349.1	339.4	320.0	310.3	310.3
85°	77.5	96.9	87.3	121.2	208.5	218.1	218.1	208.5	203.6	194.0	198.7
87.5°	24.3	43.6	53.3	67.9	106.7	111.5	116.3	116.3	116.3	121.2	121.2
90°	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5	67.9	67.9
92.5°	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2	339.5	326.0
95°	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6	1152.6	1111.7
97.5°	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9	2660.7	2582.9
100°	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7	3736.4	3643.7
102.5°	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3	4655.0	4575.5
105°	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4	5727.0	5684.4
107.5°	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6	6284.6	6294.9
110°	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4	6427.5	6472.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4	6336.4	6404.7
115°	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4	6027.3	6122.0
117.5°	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0	5600.2	5705.3
120°	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3	5312.5	5414.6
122.5°	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9	5024.8	5125.5
125°	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2	4644.2	4736.9
127.5°	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0	4338.7	4416.9
130°	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6	4145.7	4217.9
132.5°	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9	3981.3	4046.0
135°	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8	3748.9	3804.7
137.5°	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3	3577.4	3623.1
140°	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4	3439.8	3482.5
142.5°	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0	3343.4	3380.1
145°	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5	3198.6	3226.4
147.5°	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6	3077.1	3100.1
150°	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1	3007.4	3026.0
152.5°	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2	2952.0	2966.1
155°	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2	2885.9	2895.3
157.5°	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0	2828.7	2835.3
160°	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9	2800.1	2803.9
162.5°	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1	2773.3	2776.9
165°	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6	2732.2	2736.0
167.5°	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7	2714.3	2715.9
170°	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7	2714.3	2714.3
172.5°	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2	2700.1	2698.6
175°	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0	2680.4	2680.4
177.5°	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9	2676.8	2675.1
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5255.4	5240.8	5255.4	5245.7	5250.6	5236.0	5192.3	5177.8	5192.3	5206.9	5206.9
5°	5318.4	5308.7	5318.4	5318.4	5313.6	5303.9	5255.4	5245.7	5255.4	5260.2	5250.6
7.5°	5337.8	5323.3	5337.8	5328.1	5328.1	5318.4	5270.0	5260.2	5265.1	5279.6	5265.1
10°	5337.8	5323.3	5337.8	5333.0	5328.1	5318.4	5270.0	5250.6	5250.6	5265.1	5250.6
12.5°	5313.6	5303.9	5313.6	5303.9	5303.9	5294.1	5245.7	5226.3	5231.1	5236.0	5216.6
15°	5274.8	5260.2	5274.8	5265.1	5270.0	5255.4	5202.1	5182.7	5182.7	5192.3	5158.4
17.5°	5216.6	5197.2	5216.6	5211.7	5206.9	5197.2	5148.7	5129.3	5124.5	5129.3	5105.1
20°	5148.7	5134.2	5148.7	5143.9	5143.9	5124.5	5076.0	5051.8	5051.8	5051.8	5027.5
22.5°	5042.1	5027.5	5042.1	5051.8	5051.8	5046.9	5003.2	4969.3	4959.7	4959.7	4930.6
25°	4920.8	4906.3	4920.8	4920.8	4916.1	4920.8	4906.3	4886.9	4872.4	4857.9	4828.8
27.5°	4804.5	4794.9	4804.5	4794.9	4804.5	4790.0	4785.1	4780.3	4760.9	4746.3	4707.6
30°	4688.2	4678.4	4688.2	4678.4	4668.8	4659.1	4634.8	4625.2	4644.5	4634.8	4571.8
32.5°	4542.7	4533.0	4542.7	4542.7	4533.0	4533.0	4494.2	4479.7	4484.6	4513.6	4455.5
35°	4392.4	4377.9	4392.4	4387.6	4392.4	4377.9	4353.7	4348.8	4329.4	4363.3	4319.7
37.5°	4217.9	4203.3	4217.9	4217.9	4217.9	4227.6	4208.2	4193.7	4164.6	4208.2	4174.3
40°	4038.5	4019.1	4038.5	4033.6	4038.5	4048.2	4038.5	4028.9	3999.7	4033.6	4004.6
42.5°	3834.9	3830.0	3834.9	3839.8	3839.8	3859.2	3873.7	3854.3	3844.5	3820.4	3839.8
45°	3616.7	3607.0	3616.7	3626.4	3631.3	3640.9	3684.6	3684.6	3670.1	3631.3	3660.3
47.5°	3384.0	3359.8	3384.0	3413.1	3413.1	3427.7	3471.2	3505.2	3481.0	3432.5	3447.1
50°	3136.8	3141.6	3136.8	3156.2	3156.2	3209.5	3243.4	3277.4	3301.6	3243.4	3175.6
52.5°	2894.3	2889.5	2894.3	2908.9	2928.3	2952.5	3010.7	3044.6	3083.4	3049.5	2942.8
55°	2651.9	2661.7	2651.9	2656.8	2666.5	2681.1	2768.3	2802.3	2874.9	2831.3	2719.8
57.5°	2409.6	2394.9	2409.6	2419.2	2424.1	2438.6	2511.4	2574.4	2618.0	2622.8	2487.1
60°	2128.3	2108.9	2128.3	2172.0	2181.7	2191.3	2259.2	2317.4	2356.2	2370.8	2230.1
62.5°	1881.1	1847.2	1881.1	1910.2	1929.6	1953.8	2002.3	2089.5	2123.4	2128.3	1929.6
65°	1619.3	1604.8	1619.3	1677.5	1682.3	1711.4	1764.7	1827.8	1900.4	1890.8	1604.8
67.5°	1381.7	1381.7	1381.7	1420.5	1449.6	1464.1	1532.0	1561.1	1653.2	1662.9	1338.1
70°	1163.6	1158.7	1163.6	1192.6	1212.0	1246.0	1309.0	1342.9	1415.7	1439.9	1086.0
72.5°	955.1	950.2	955.1	979.4	998.7	1027.8	1081.2	1119.9	1183.0	1212.0	843.6
75°	770.9	761.1	770.9	790.3	785.4	824.2	867.8	906.6	964.7	984.1	625.4
77.5°	591.4	591.4	591.4	610.9	610.9	649.7	669.1	717.5	751.5	780.5	460.6
80°	441.2	436.3	441.2	446.0	446.0	465.5	499.4	533.3	562.4	562.4	315.2
82.5°	310.3	300.5	310.3	310.3	310.3	320.0	339.4	349.1	368.4	383.1	198.7
85°	194.0	194.0	194.0	198.7	194.0	203.6	208.5	218.1	218.1	208.5	121.2
87.5°	126.1	121.2	126.1	121.2	121.2	116.3	116.3	116.3	111.5	106.7	67.9
90°	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7	78.6	50.0
92.5°	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5	484.9	344.9
95°	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0	1193.1	671.8
97.5°	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8	1607.1	738.0
100°	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5	1757.8	793.4
102.5°	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9	1826.8	848.8
105°	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8	1878.1	931.0
107.5°	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0	1887.6	1052.5
110°	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1	1873.3	1120.4





TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9	1873.9	1202.6
115°	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9	1891.2	1325.9
117.5°	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1	1926.2	1445.6
120°	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0	1954.9	1515.3
122.5°	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3	1996.0	1597.5
125°	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0	2051.4	1703.0
127.5°	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5	2106.7	1804.8
130°	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4	2147.2	1872.7
132.5°	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9	2180.0	1928.0
135°	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7	2215.8	1992.4
137.5°	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0	2269.4	2074.6
140°	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6	2302.1	2130.0
142.5°	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8	2329.5	2171.1
145°	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8	2365.2	2233.6
147.5°	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3	2417.7	2312.2
150°	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4	2445.1	2353.4
152.5°	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3	2462.9	2380.1
155°	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4	2502.3	2439.2
157.5°	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5	2541.5	2498.1
160°	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5	2559.5	2524.9
162.5°	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8	2578.5	2553.5
165°	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0	2605.9	2594.6
167.5°	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1	2627.4	2617.8
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0	2645.3	2644.7
172.5°	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0	2657.2	2662.5
177.5°	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8	2658.3	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5197.2	5168.2	5168.2	5119.7	5100.3	5085.8	5061.5	4988.7	4969.3	4950.0	4979.1
5°	5240.8	5187.6	5148.7	5061.5	4988.7	4959.7	4867.5	4693.0	4576.6	4489.4	4440.9
7.5°	5250.6	5182.7	5109.9	4974.2	4799.6	4722.1	4440.9	4120.9	4033.6	3956.1	3907.6
10°	5240.8	5163.3	5061.5	4857.9	4445.7	4310.0	4028.9	3820.4	3767.0	3752.5	3767.0
12.5°	5206.9	5134.2	4993.6	4654.2	4077.3	3985.2	3820.4	3699.1	3689.5	3713.7	3844.5
15°	5148.7	5080.9	4916.1	4382.7	3873.7	3805.8	3689.5	3645.8	3699.1	3868.8	4261.5
17.5°	5090.5	5013.0	4809.4	4116.0	3718.6	3670.1	3587.6	3674.9	3975.5	4203.3	4334.3
20°	5013.0	4920.8	4688.2	3922.2	3607.0	3563.4	3524.6	3917.3	4145.2	4227.6	4300.3
22.5°	4920.8	4823.9	4523.4	3786.4	3490.7	3456.7	3481.0	4053.0	4145.2	4203.3	4266.4
25°	4799.6	4717.2	4329.4	3679.7	3398.6	3359.8	3451.8	4038.5	4091.8	4106.4	4232.5
27.5°	4688.2	4581.5	4125.8	3582.8	3287.0	3272.5	3476.1	3975.5	4014.2	4028.9	4164.6
30°	4552.4	4392.4	3897.9	3481.0	3170.7	3165.8	3481.0	3897.9	3888.2	3927.0	4062.8
32.5°	4411.8	4111.3	3640.9	3354.9	3059.2	3054.4	3447.1	3781.5	3771.9	3825.2	3927.0
35°	4280.9	3893.1	3291.9	3209.5	2918.6	2923.4	3364.7	3645.8	3650.7	3699.1	3762.1
37.5°	4145.2	3704.0	2908.9	3049.5	2782.9	2782.9	3253.1	3519.7	3510.1	3524.6	3611.9
40°	3985.2	3408.2	2569.5	2841.0	2656.8	2642.2	3117.4	3384.0	3350.0	3345.3	3466.5
42.5°	3815.5	3083.4	2317.4	2564.7	2511.4	2492.0	2952.5	3219.2	3156.2	3170.7	3325.8
45°	3631.3	2996.1	2123.4	2167.1	2361.0	2346.5	2773.1	3030.1	2986.5	3025.2	3185.2
47.5°	3447.1	2821.6	2060.5	1798.6	2201.1	2196.2	2574.4	2845.9	2821.6	2860.4	3030.1
50°	3195.0	2627.7	2055.6	1541.8	2021.6	2041.0	2336.8	2666.5	2666.5	2700.5	2879.8
52.5°	2870.1	2390.2	1866.5	1396.3	1813.2	1871.4	2128.3	2511.4	2521.0	2555.0	2715.0
55°	2574.4	2142.9	1730.7	1284.8	1565.9	1692.0	1924.7	2351.3	2370.8	2404.7	2550.1
57.5°	2302.9	1784.1	1701.7	1153.8	1338.1	1459.3	1745.4	2196.2	2206.0	2235.0	2375.6
60°	2012.0	1289.6	1561.1	1013.3	1139.3	1231.5	1580.5	2012.0	2045.9	2065.3	2186.5
62.5°	1682.3	935.7	1415.7	916.3	1042.4	1061.8	1444.7	1837.4	1881.1	1895.6	1968.4
65°	1197.5	785.4	1202.3	833.9	940.6	945.4	1299.3	1658.1	1696.8	1721.1	1774.4
67.5°	809.6	639.9	916.3	756.3	862.9	867.8	1158.7	1449.6	1502.9	1522.4	1556.3
70°	562.4	426.6	678.7	673.8	775.7	785.4	1008.4	1260.5	1309.0	1323.5	1342.9
72.5°	412.1	344.2	562.4	606.0	683.6	693.3	853.3	1047.2	1095.7	1110.2	1119.9
75°	315.2	363.6	455.7	528.4	581.8	586.7	698.1	853.3	887.2	896.9	901.7
77.5°	252.1	339.4	334.5	426.6	475.1	465.5	547.9	659.3	688.5	688.5	688.5
80°	189.1	266.6	252.1	305.4	349.1	339.4	392.7	470.2	480.0	489.6	484.9
82.5°	140.6	169.7	169.7	194.0	232.7	223.0	261.8	305.4	305.4	305.4	315.2
85°	87.3	96.9	77.5	101.8	130.9	126.1	145.4	164.8	169.7	169.7	160.0
87.5°	53.3	43.6	24.3	38.8	58.2	58.2	67.9	72.7	67.9	67.9	67.9
90°	46.5	32.2	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5
92.5°	314.5	192.9	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2
95°	616.3	393.8	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6
97.5°	688.9	492.8	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9
100°	748.9	571.0	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7
102.5°	807.3	641.3	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3
105°	895.9	755.3	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4
107.5°	1019.7	888.7	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6
110°	1090.8	972.5	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4



TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1174.5	1061.7	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4
115°	1299.9	1195.9	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4
117.5°	1422.0	1327.4	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0
120°	1493.0	1404.1	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3
122.5°	1575.1	1485.3	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9
125°	1682.5	1600.7	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2
127.5°	1784.1	1701.5	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0
130°	1850.4	1761.5	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6
132.5°	1905.8	1816.9	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9
135°	1972.2	1891.1	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8
137.5°	2054.6	1974.4	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3
140°	2111.6	2037.7	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4
142.5°	2154.0	2085.7	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0
145°	2218.8	2159.3	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5
147.5°	2297.7	2239.8	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6
150°	2340.3	2287.9	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1
152.5°	2370.2	2330.6	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2
155°	2431.8	2402.5	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2
157.5°	2490.9	2462.4	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0
160°	2519.4	2497.1	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9
162.5°	2549.3	2532.7	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1
165°	2590.8	2575.7	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6
167.5°	2616.0	2609.0	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7
170°	2642.9	2635.7	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7
172.5°	2646.0	2644.4	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2
175°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0
177.5°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936180  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	4945.1	4930.6	4950.0	4896.7	4950.0	4930.6	4945.1	4979.1	4950.0	4969.3	4988.7
5°	4339.1	4314.9	4237.2	4174.3	4237.2	4314.9	4339.1	4440.9	4489.4	4576.6	4693.0
7.5°	3878.5	3859.2	3839.8	3801.0	3839.8	3859.2	3878.5	3907.6	3956.1	4033.6	4120.9
10°	3776.7	3781.5	3810.6	3805.8	3810.6	3781.5	3776.7	3767.0	3752.5	3767.0	3820.4
12.5°	4038.5	4082.1	4242.1	4232.5	4242.1	4082.1	4038.5	3844.5	3713.7	3689.5	3699.1
15°	4339.1	4353.7	4387.6	4392.4	4387.6	4353.7	4339.1	4261.5	3868.8	3699.1	3645.8
17.5°	4368.2	4373.0	4397.3	4397.3	4397.3	4373.0	4368.2	4334.3	4203.3	3975.5	3674.9
20°	4343.9	4353.7	4402.2	4411.8	4402.2	4353.7	4343.9	4300.3	4227.6	4145.2	3917.3
22.5°	4334.3	4353.7	4392.4	4387.6	4392.4	4353.7	4334.3	4266.4	4203.3	4145.2	4053.0
25°	4285.8	4285.8	4290.6	4295.5	4290.6	4285.8	4285.8	4232.5	4106.4	4091.8	4038.5
27.5°	4184.0	4193.7	4222.7	4217.9	4222.7	4193.7	4184.0	4164.6	4028.9	4014.2	3975.5
30°	4091.8	4082.1	4057.9	4038.5	4057.9	4082.1	4091.8	4062.8	3927.0	3888.2	3897.9
32.5°	3936.7	3912.4	3888.2	3873.7	3888.2	3912.4	3936.7	3927.0	3825.2	3771.9	3781.5
35°	3752.5	3757.4	3752.5	3738.0	3752.5	3757.4	3752.5	3762.1	3699.1	3650.7	3645.8
37.5°	3621.6	3631.3	3626.4	3607.0	3626.4	3631.3	3621.6	3611.9	3524.6	3510.1	3519.7
40°	3485.8	3490.7	3485.8	3471.2	3485.8	3490.7	3485.8	3466.5	3345.3	3350.0	3384.0
42.5°	3354.9	3350.0	3335.5	3325.8	3335.5	3350.0	3354.9	3325.8	3170.7	3156.2	3219.2
45°	3204.6	3209.5	3180.3	3165.8	3180.3	3209.5	3204.6	3185.2	3025.2	2986.5	3030.1
47.5°	3054.4	3054.4	3030.1	3015.5	3030.1	3054.4	3054.4	3030.1	2860.4	2821.6	2845.9
50°	2894.3	2889.5	2855.5	2850.7	2855.5	2889.5	2894.3	2879.8	2700.5	2666.5	2666.5
52.5°	2710.1	2710.1	2715.0	2724.6	2715.0	2710.1	2710.1	2715.0	2555.0	2521.0	2511.4
55°	2550.1	2555.0	2588.9	2598.7	2588.9	2555.0	2550.1	2550.1	2404.7	2370.8	2351.3
57.5°	2385.3	2385.3	2409.6	2409.6	2409.6	2385.3	2385.3	2375.6	2235.0	2206.0	2196.2
60°	2196.2	2206.0	2225.3	2220.5	2225.3	2206.0	2196.2	2186.5	2065.3	2045.9	2012.0
62.5°	1997.5	2007.1	2012.0	2002.3	2012.0	2007.1	1997.5	1968.4	1895.6	1881.1	1837.4
65°	1789.0	1798.6	1803.5	1793.8	1803.5	1798.6	1789.0	1774.4	1721.1	1696.8	1658.1
67.5°	1575.7	1570.8	1565.9	1585.3	1565.9	1570.8	1575.7	1556.3	1522.4	1502.9	1449.6
70°	1357.4	1357.4	1352.7	1362.3	1352.7	1357.4	1357.4	1342.9	1323.5	1309.0	1260.5
72.5°	1124.8	1119.9	1139.3	1124.8	1139.3	1119.9	1124.8	1119.9	1110.2	1095.7	1047.2
75°	896.9	906.6	896.9	911.5	896.9	906.6	896.9	901.7	896.9	887.2	853.3
77.5°	683.6	693.3	683.6	683.6	683.6	693.3	683.6	688.5	688.5	688.5	659.3
80°	484.9	480.0	480.0	475.1	480.0	480.0	484.9	484.9	489.6	480.0	470.2
82.5°	310.3	305.4	305.4	315.2	305.4	305.4	310.3	315.2	305.4	305.4	305.4
85°	169.7	174.6	164.8	164.8	164.8	174.6	169.7	160.0	169.7	169.7	164.8
87.5°	63.0	58.2	58.2	58.2	58.2	58.2	63.0	67.9	67.9	67.9	72.7
90°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7
92.5°	339.5	326.0	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5
95°	1152.6	1111.7	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0
97.5°	2660.7	2582.9	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8
100°	3736.4	3643.7	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5
102.5°	4655.0	4575.5	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9
105°	5727.0	5684.4	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8
107.5°	6284.6	6294.9	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0
110°	6427.5	6472.0	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1



TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6336.4	6404.7	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9
115°	6027.3	6122.0	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9
117.5°	5600.2	5705.3	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1
120°	5312.5	5414.6	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0
122.5°	5024.8	5125.5	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3
125°	4644.2	4736.9	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0
127.5°	4338.7	4416.9	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5
130°	4145.7	4217.9	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4
132.5°	3981.3	4046.0	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9
135°	3748.9	3804.7	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7
137.5°	3577.4	3623.1	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0
140°	3439.8	3482.5	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6
142.5°	3343.4	3380.1	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8
145°	3198.6	3226.4	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8
147.5°	3077.1	3100.1	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3
150°	3007.4	3026.0	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4
152.5°	2952.0	2966.1	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3
155°	2885.9	2895.3	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4
157.5°	2828.7	2835.3	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5
160°	2800.1	2803.9	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5
162.5°	2773.3	2776.9	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8
165°	2732.2	2736.0	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0
167.5°	2714.3	2715.9	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0
172.5°	2700.1	2698.6	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0
177.5°	2676.8	2675.1	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5061.5	5085.8	5100.3	5119.7	5168.2
5°	4867.5	4959.7	4988.7	5061.5	5148.7
7.5°	4440.9	4722.1	4799.6	4974.2	5109.9
10°	4028.9	4310.0	4445.7	4857.9	5061.5
12.5°	3820.4	3985.2	4077.3	4654.2	4993.6
15°	3689.5	3805.8	3873.7	4382.7	4916.1
17.5°	3587.6	3670.1	3718.6	4116.0	4809.4
20°	3524.6	3563.4	3607.0	3922.2	4688.2
22.5°	3481.0	3456.7	3490.7	3786.4	4523.4
25°	3451.8	3359.8	3398.6	3679.7	4329.4
27.5°	3476.1	3272.5	3287.0	3582.8	4125.8
30°	3481.0	3165.8	3170.7	3481.0	3897.9
32.5°	3447.1	3054.4	3059.2	3354.9	3640.9
35°	3364.7	2923.4	2918.6	3209.5	3291.9
37.5°	3253.1	2782.9	2782.9	3049.5	2908.9
40°	3117.4	2642.2	2656.8	2841.0	2569.5
42.5°	2952.5	2492.0	2511.4	2564.7	2317.4
45°	2773.1	2346.5	2361.0	2167.1	2123.4
47.5°	2574.4	2196.2	2201.1	1798.6	2060.5
50°	2336.8	2041.0	2021.6	1541.8	2055.6
52.5°	2128.3	1871.4	1813.2	1396.3	1866.5
55°	1924.7	1692.0	1565.9	1284.8	1730.7
57.5°	1745.4	1459.3	1338.1	1153.8	1701.7
60°	1580.5	1231.5	1139.3	1013.3	1561.1
62.5°	1444.7	1061.8	1042.4	916.3	1415.7
65°	1299.3	945.4	940.6	833.9	1202.3
67.5°	1158.7	867.8	862.9	756.3	916.3
70°	1008.4	785.4	775.7	673.8	678.7
72.5°	853.3	693.3	683.6	606.0	562.4
75°	698.1	586.7	581.8	528.4	455.7
77.5°	547.9	465.5	475.1	426.6	334.5
80°	392.7	339.4	349.1	305.4	252.1
82.5°	261.8	223.0	232.7	194.0	169.7
85°	145.4	126.1	130.9	101.8	77.5
87.5°	67.9	58.2	58.2	38.8	24.3
90°	78.6	50.0	46.5	32.2	17.9
92.5°	484.9	344.9	314.5	192.9	71.4
95°	1193.1	671.8	616.3	393.8	171.5
97.5°	1607.1	738.0	688.9	492.8	296.6
100°	1757.8	793.4	748.9	571.0	393.1
102.5°	1826.8	848.8	807.3	641.3	475.3
105°	1878.1	931.0	895.9	755.3	614.7
107.5°	1887.6	1052.5	1019.7	888.7	757.7
110°	1873.3	1120.4	1090.8	972.5	854.2



TEST NUMBER: P936180

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1873.9	1202.6	1174.5	1061.7	948.9
115°	1891.2	1325.9	1299.9	1195.9	1091.9
117.5°	1926.2	1445.6	1422.0	1327.4	1233.0
120°	1954.9	1515.3	1493.0	1404.1	1315.1
122.5°	1996.0	1597.5	1575.1	1485.3	1395.5
125°	2051.4	1703.0	1682.5	1600.7	1518.9
127.5°	2106.7	1804.8	1784.1	1701.5	1618.9
130°	2147.2	1872.7	1850.4	1761.5	1672.6
132.5°	2180.0	1928.0	1905.8	1816.9	1728.0
135°	2215.8	1992.4	1972.2	1891.1	1810.1
137.5°	2269.4	2074.6	2054.6	1974.4	1894.1
140°	2302.1	2130.0	2111.6	2037.7	1963.9
142.5°	2329.5	2171.1	2154.0	2085.7	2017.4
145°	2365.2	2233.6	2218.8	2159.3	2099.7
147.5°	2417.7	2312.2	2297.7	2239.8	2181.8
150°	2445.1	2353.4	2340.3	2287.9	2235.5
152.5°	2462.9	2380.1	2370.2	2330.6	2290.9
155°	2502.3	2439.2	2431.8	2402.5	2373.1
157.5°	2541.5	2498.1	2490.9	2462.4	2433.8
160°	2559.5	2524.9	2519.4	2497.1	2474.9
162.5°	2578.5	2553.5	2549.3	2532.7	2515.9
165°	2605.9	2594.6	2590.8	2575.7	2560.6
167.5°	2627.4	2617.8	2616.0	2609.0	2601.8
170°	2645.3	2644.7	2642.9	2635.7	2628.5
172.5°	2646.4	2646.4	2646.0	2644.4	2642.9
175°	2657.2	2662.5	2662.5	2662.5	2662.5
177.5°	2658.3	2662.5	2662.5	2662.5	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936180  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-4000K

**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	13.78	14.59	14.79	15.61	16.97	16.63	17.44	17.64	18.46	19.82
	3H	14.25	14.98	15.28	16.01	17.39	17.98	18.70	19.00	19.73	21.11
	4H	14.44	15.13	15.48	16.16	17.55	18.43	19.11	19.46	20.14	21.53
	6H	14.56	15.19	15.60	16.22	17.63	18.71	19.34	19.76	20.38	21.78
	8H	14.56	15.16	15.61	16.21	17.61	18.79	19.39	19.84	20.44	21.84
	12H	14.53	15.10	15.58	16.14	17.56	18.83	19.40	19.88	20.45	21.87
4H	2H	14.81	15.50	15.85	16.53	17.92	17.03	17.72	18.07	18.75	20.14
	3H	15.83	16.40	16.88	17.46	18.87	18.54	19.11	19.59	20.17	21.57
	4H	16.11	16.63	17.16	17.68	19.11	19.07	19.59	20.13	20.65	22.07
	6H	16.23	16.68	17.29	17.75	19.17	19.44	19.89	20.50	20.96	22.38
	8H	16.23	16.65	17.30	17.72	19.16	19.55	19.97	20.61	21.03	22.47
	12H	16.20	16.58	17.28	17.66	19.10	19.61	19.98	20.69	21.07	22.51
8H	4H	16.56	16.98	17.63	18.05	19.48	19.19	19.61	20.26	20.68	22.11
	6H	16.82	17.17	17.91	18.28	19.71	19.63	19.98	20.72	21.09	22.52
	8H	16.86	17.17	17.96	18.26	19.71	19.79	20.09	20.88	21.18	22.63
	12H	16.84	17.11	17.94	18.20	19.69	19.89	20.15	20.98	21.24	22.73
12H	4H	16.56	16.94	17.65	18.02	19.46	19.15	19.53	20.24	20.61	22.05
	6H	16.88	17.19	17.98	18.28	19.73	19.63	19.93	20.72	21.02	22.47
	8H	16.95	17.21	18.04	18.30	19.79	19.79	20.06	20.89	21.14	22.64