

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: P936179

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

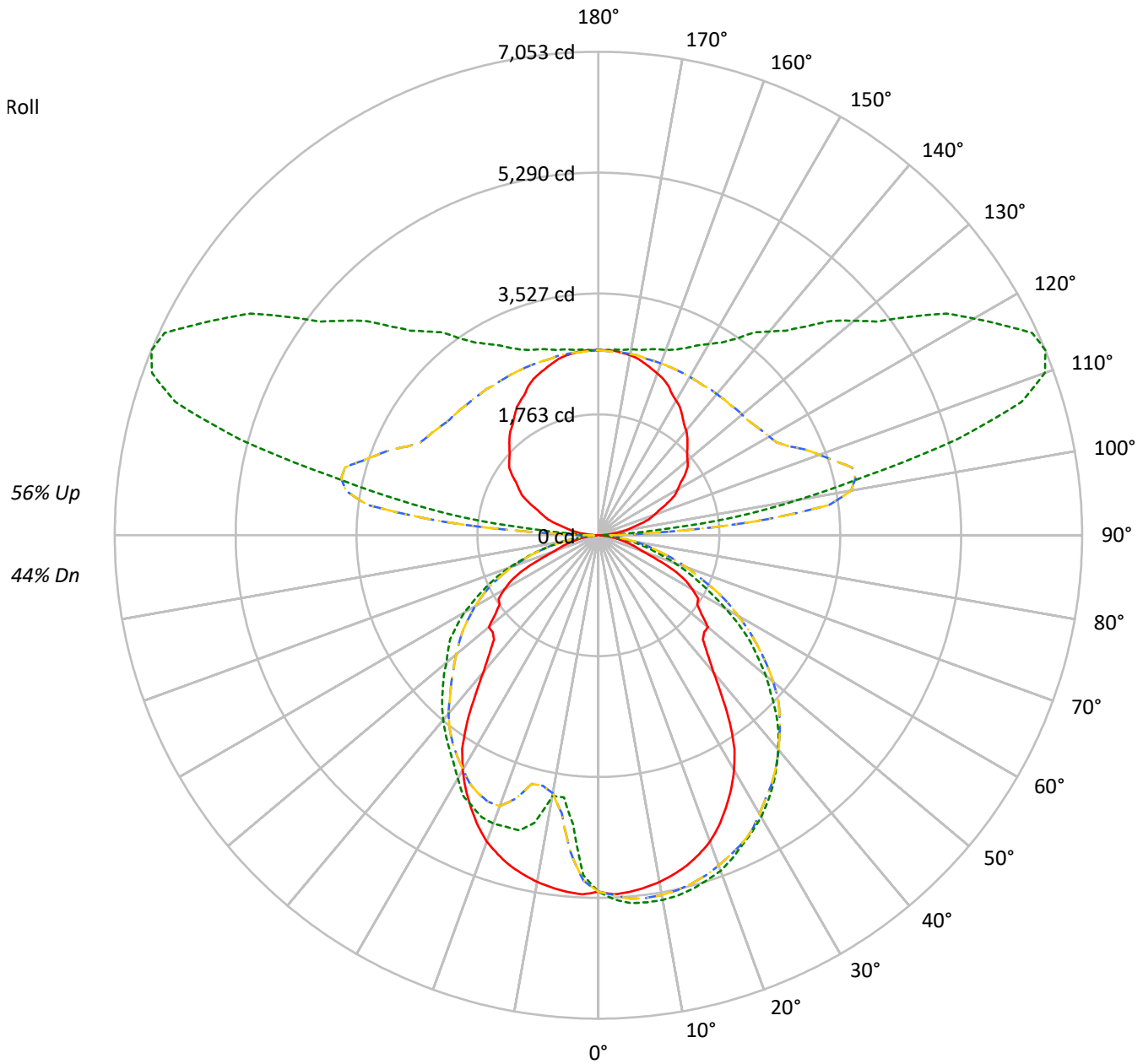
Test Method: LM-79-2019  
Report Number: P936179  
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31005.1 lumens  
Efficiency: N/A  
Efficacy: 124.2 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-B2750-1D-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°	16083	16083	16083	16083
5°	16209	16235	16209	12766
10°	16107	15992	16107	11433
15°	15937	15645	15937	13064
20°	15610	15235	15610	13092
25°	14934	14636	14934	12814
30°	14058	14139	14058	12205
35°	12539	13511	12539	11536
40°	10454	12771	10454	11030
45°	9347	11904	9347	10448
50°	9938	10871	9938	9865
55°	9359	9758	9359	9527
60°	9659	8287	9659	8726
65°	8772	6851	8772	7658
70°	6089	5460	6089	6419
75°	5359	4036	5359	4833
80°	4351	2668	4351	2905
85°	2550	1413	2550	1201

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14316 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.4	1.5
10°-20°	1332.6	4.3
20°-30°	2060.0	6.6
30°-40°	2459.2	7.9
40°-50°	2473.6	8.0
50°-60°	2152.4	6.9
60°-70°	1526.1	4.9
70°-80°	807.4	2.6
80°-90°	211.4	0.7
90°-100°	1316.9	4.2
100°-110°	3462.1	11.2
110°-120°	3589.9	11.6
120°-130°	2879.5	9.3
130°-140°	2259.4	7.3
140°-150°	1734.2	5.6
150°-160°	1248.9	4.0
160°-170°	764.1	2.5
170°-180°	258.2	0.8
0°-30°	3862.0	12.5
0°-40°	6321.2	20.4
0°-60°	10947.2	35.3
0°-90°	13492.0	43.5
90°-120°	8368.8	27.0
90°-150°	15241.9	49.2
90°-180°	17513.0	56.5
0°-180°	31005.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5200	5200	5200	5200	5200	
5°	5224	5387	5224	4236	5224	496
15°	4988	5337	4988	4457	4988	1403
25°	4393	4978	4393	4358	4393	2017
35°	3340	4442	3340	3793	3340	2066
45°	2155	3660	2155	3212	2155	1726
55°	1756	2701	1756	2637	1756	1614
65°	1220	1628	1220	1820	1220	1166
75°	462	772	462	925	462	486
85°	79	197	79	167	79	106
90°	18	69	18	69	18	18
95°	174	796	174	796	174	193
105°	624	5421	624	5421	624	661
115°	1108	6980	1108	6980	1108	1094
125°	1541	5559	1541	5559	1541	1368
135°	1837	4313	1837	4313	1837	1421
145°	2130	3499	2130	3499	2130	1335
155°	2408	3013	2408	3013	2408	1106
165°	2598	2807	2598	2807	2598	733
175°	2702	2720	2702	2720	2702	256
180°	2702	2702	2702	2702	2702	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5243.9	5243.9	5273.4	5283.3	5283.3	5268.5	5253.7	5268.5	5312.7	5327.6	5322.6
5°	5224.2	5263.6	5317.7	5327.6	5337.3	5332.4	5322.6	5332.4	5381.6	5391.5	5396.4
7.5°	5184.8	5258.7	5327.6	5342.3	5357.0	5342.3	5337.3	5347.2	5396.4	5406.2	5406.2
10°	5135.7	5239.0	5317.7	5327.6	5342.3	5327.6	5327.6	5347.2	5396.4	5406.2	5411.2
12.5°	5066.8	5209.4	5283.3	5293.1	5312.7	5307.8	5302.9	5322.6	5371.7	5381.6	5381.6
15°	4988.1	5155.4	5224.2	5234.1	5268.5	5258.7	5258.7	5278.3	5332.4	5347.2	5342.3
17.5°	4879.9	5086.5	5165.2	5180.0	5204.5	5199.7	5204.5	5224.2	5273.4	5283.3	5288.1
20°	4756.9	4993.0	5086.5	5101.2	5125.8	5125.8	5125.8	5150.4	5199.7	5219.3	5219.3
22.5°	4589.7	4894.6	4993.0	5002.9	5032.4	5032.4	5042.2	5076.6	5120.9	5125.8	5125.8
25°	4392.9	4786.4	4870.0	4899.6	4929.1	4943.8	4958.6	4978.2	4993.0	4988.1	4993.0
27.5°	4186.3	4648.7	4756.9	4776.6	4815.9	4830.7	4850.3	4855.3	4860.2	4874.9	4865.2
30°	3955.1	4456.8	4619.1	4638.8	4702.8	4712.6	4693.0	4702.8	4727.4	4737.2	4747.0
32.5°	3694.3	4171.5	4476.5	4520.8	4579.8	4550.3	4545.4	4560.1	4599.5	4599.5	4609.3
35°	3340.1	3950.1	4343.6	4383.0	4427.3	4392.9	4412.5	4417.5	4442.1	4456.8	4451.9
37.5°	2951.6	3758.3	4205.9	4235.5	4269.9	4225.6	4255.2	4269.9	4289.6	4279.7	4279.7
40°	2607.2	3458.2	4043.6	4063.3	4092.8	4058.4	4087.9	4097.7	4107.6	4097.7	4092.8
42.5°	2351.4	3128.6	3871.4	3896.1	3876.4	3900.9	3910.8	3930.5	3915.7	3896.1	3896.1
45°	2154.6	3040.0	3684.5	3714.0	3684.5	3723.9	3738.6	3738.6	3694.3	3684.5	3679.6
47.5°	2090.7	2863.0	3497.6	3497.6	3482.8	3532.0	3556.6	3522.1	3477.9	3463.1	3463.1
50°	2085.8	2666.2	3241.8	3222.1	3290.9	3350.0	3325.4	3290.9	3256.5	3202.4	3202.4
52.5°	1893.9	2425.2	2912.1	2986.0	3094.2	3128.6	3089.3	3054.9	2995.8	2971.2	2951.6
55°	1756.1	2174.3	2612.1	2759.7	2872.8	2917.1	2843.3	2808.8	2720.4	2705.5	2695.8
57.5°	1726.7	1810.3	2336.6	2523.6	2661.3	2656.4	2612.1	2548.2	2474.3	2459.6	2454.7
60°	1584.0	1308.5	2041.5	2262.8	2405.5	2390.7	2351.4	2292.4	2223.5	2213.7	2203.8
62.5°	1436.4	949.4	1707.0	1957.9	2159.5	2154.6	2120.2	2031.6	1982.5	1957.9	1938.2
65°	1220.0	796.9	1215.0	1628.3	1918.5	1928.3	1854.6	1790.6	1736.4	1707.0	1702.0
67.5°	929.8	649.3	821.5	1357.7	1687.3	1677.4	1584.0	1554.5	1485.6	1470.8	1441.3
70°	688.7	432.9	570.6	1101.9	1461.0	1436.4	1362.6	1328.2	1264.3	1229.8	1210.1
72.5°	570.6	349.2	418.1	855.9	1229.8	1200.3	1136.3	1097.0	1042.8	1013.4	993.7
75°	462.4	368.9	319.8	634.6	998.6	978.9	919.9	880.5	836.2	796.9	801.8
77.5°	339.4	344.4	255.8	467.3	792.0	762.5	728.0	678.9	659.2	619.9	619.9
80°	255.8	270.5	191.9	319.8	570.6	570.6	541.1	506.7	472.3	452.5	452.5
82.5°	172.2	172.2	142.6	201.6	388.7	373.8	354.2	344.4	324.7	314.8	314.8
85°	78.7	98.4	88.6	123.0	211.5	221.3	221.3	211.5	206.6	196.8	201.6
87.5°	24.6	44.3	54.1	68.9	108.2	113.2	118.0	118.0	118.0	123.0	123.0
90°	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9	68.9	68.9
92.5°	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3	344.5	330.8
95°	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8	1169.5	1128.0
97.5°	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2	2699.7	2620.8
100°	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3	3791.2	3697.1
102.5°	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2	4723.2	4642.6
105°	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8	5811.0	5767.7
107.5°	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4	6376.7	6387.2
110°	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7	6521.8	6566.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1	6429.3	6498.6
115°	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1	6115.6	6211.8
117.5°	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9	5682.3	5788.9
120°	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1	5390.4	5493.9
122.5°	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6	5098.5	5200.6
125°	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1	4712.2	4806.3
127.5°	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7	4402.3	4481.6
130°	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3	4206.4	4279.8
132.5°	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9	4039.7	4105.4
135°	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5	3803.9	3860.5
137.5°	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2	3629.9	3676.2
140°	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9	3490.2	3533.6
142.5°	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6	3392.4	3429.7
145°	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6	3245.5	3273.7
147.5°	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5	3122.2	3145.6
150°	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4	3051.5	3070.4
152.5°	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9	2995.3	3009.6
155°	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2	2928.2	2937.7
157.5°	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4	2870.2	2876.9
160°	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1	2841.1	2845.0
162.5°	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0	2814.0	2817.6
165°	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1	2772.2	2776.1
167.5°	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1	2754.1	2755.7
170°	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1	2754.1	2754.1
172.5°	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5	2739.7	2738.2
175°	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2	2719.7	2719.7
177.5°	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0	2716.0	2714.4
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5332.4	5317.7	5332.4	5322.6	5327.6	5312.7	5268.5	5253.7	5268.5	5283.3	5283.3
5°	5396.4	5386.6	5396.4	5396.4	5391.5	5381.6	5332.4	5322.6	5332.4	5337.3	5327.6
7.5°	5416.0	5401.3	5416.0	5406.2	5406.2	5396.4	5347.2	5337.3	5342.3	5357.0	5342.3
10°	5416.0	5401.3	5416.0	5411.2	5406.2	5396.4	5347.2	5327.6	5327.6	5342.3	5327.6
12.5°	5391.5	5381.6	5391.5	5381.6	5381.6	5371.7	5322.6	5302.9	5307.8	5312.7	5293.1
15°	5352.1	5337.3	5352.1	5342.3	5347.2	5332.4	5278.3	5258.7	5258.7	5268.5	5234.1
17.5°	5293.1	5273.4	5293.1	5288.1	5283.3	5273.4	5224.2	5204.5	5199.7	5204.5	5180.0
20°	5224.2	5209.4	5224.2	5219.3	5219.3	5199.7	5150.4	5125.8	5125.8	5125.8	5101.2
22.5°	5116.0	5101.2	5116.0	5125.8	5125.8	5120.9	5076.6	5042.2	5032.4	5032.4	5002.9
25°	4993.0	4978.2	4993.0	4993.0	4988.1	4993.0	4978.2	4958.6	4943.8	4929.1	4899.6
27.5°	4874.9	4865.2	4874.9	4865.2	4874.9	4860.2	4855.3	4850.3	4830.7	4815.9	4776.6
30°	4756.9	4747.0	4756.9	4747.0	4737.2	4727.4	4702.8	4693.0	4712.6	4702.8	4638.8
32.5°	4609.3	4599.5	4609.3	4609.3	4599.5	4599.5	4560.1	4545.4	4550.3	4579.8	4520.8
35°	4456.8	4442.1	4456.8	4451.9	4456.8	4442.1	4417.5	4412.5	4392.9	4427.3	4383.0
37.5°	4279.7	4265.0	4279.7	4279.7	4279.7	4289.6	4269.9	4255.2	4225.6	4269.9	4235.5
40°	4097.7	4078.0	4097.7	4092.8	4097.7	4107.6	4097.7	4087.9	4058.4	4092.8	4063.3
42.5°	3891.1	3886.2	3891.1	3896.1	3896.1	3915.7	3930.5	3910.8	3900.9	3876.4	3896.1
45°	3669.7	3659.9	3669.7	3679.6	3684.5	3694.3	3738.6	3738.6	3723.9	3684.5	3714.0
47.5°	3433.7	3409.0	3433.7	3463.1	3463.1	3477.9	3522.1	3556.6	3532.0	3482.8	3497.6
50°	3182.8	3187.6	3182.8	3202.4	3202.4	3256.5	3290.9	3325.4	3350.0	3290.9	3222.1
52.5°	2936.7	2931.9	2936.7	2951.6	2971.2	2995.8	3054.9	3089.3	3128.6	3094.2	2986.0
55°	2690.8	2700.7	2690.8	2695.8	2705.5	2720.4	2808.8	2843.3	2917.1	2872.8	2759.7
57.5°	2444.9	2430.1	2444.9	2454.7	2459.6	2474.3	2548.2	2612.1	2656.4	2661.3	2523.6
60°	2159.5	2139.8	2159.5	2203.8	2213.7	2223.5	2292.4	2351.4	2390.7	2405.5	2262.8
62.5°	1908.6	1874.2	1908.6	1938.2	1957.9	1982.5	2031.6	2120.2	2154.6	2159.5	1957.9
65°	1643.0	1628.3	1643.0	1702.0	1707.0	1736.4	1790.6	1854.6	1928.3	1918.5	1628.3
67.5°	1401.9	1401.9	1401.9	1441.3	1470.8	1485.6	1554.5	1584.0	1677.4	1687.3	1357.7
70°	1180.6	1175.7	1180.6	1210.1	1229.8	1264.3	1328.2	1362.6	1436.4	1461.0	1101.9
72.5°	969.1	964.2	969.1	993.7	1013.4	1042.8	1097.0	1136.3	1200.3	1229.8	855.9
75°	782.2	772.3	782.2	801.8	796.9	836.2	880.5	919.9	978.9	998.6	634.6
77.5°	600.1	600.1	600.1	619.9	619.9	659.2	678.9	728.0	762.5	792.0	467.3
80°	447.7	442.7	447.7	452.5	452.5	472.3	506.7	541.1	570.6	570.6	319.8
82.5°	314.8	304.9	314.8	314.8	314.8	324.7	344.4	354.2	373.8	388.7	201.6
85°	196.8	196.8	196.8	201.6	196.8	206.6	211.5	221.3	221.3	211.5	123.0
87.5°	127.9	123.0	127.9	123.0	123.0	118.0	118.0	118.0	113.2	108.2	68.9
90°	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4	79.7	50.8
92.5°	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3	492.0	349.9
95°	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7	1210.6	681.7
97.5°	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3	1630.6	748.8
100°	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1	1783.5	805.0
102.5°	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8	1853.6	861.2
105°	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8	1905.6	944.7
107.5°	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0	1915.2	1067.9
110°	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3	1900.8	1136.8





TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5	1901.4	1220.3
115°	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6	1918.9	1345.4
117.5°	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8	1954.5	1466.8
120°	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2	1983.5	1537.5
122.5°	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4	2025.3	1620.9
125°	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9	2081.5	1727.9
127.5°	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2	2137.6	1831.2
130°	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2	2178.7	1900.1
132.5°	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8	2211.9	1956.3
135°	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5	2248.3	2021.6
137.5°	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1	2302.6	2105.1
140°	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7	2335.9	2161.3
142.5°	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0	2363.7	2202.9
145°	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0	2399.9	2266.4
147.5°	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8	2453.1	2346.1
150°	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1	2480.9	2387.9
152.5°	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1	2499.1	2415.0
155°	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3	2539.0	2474.9
157.5°	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6	2578.8	2534.7
160°	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7	2597.0	2561.9
162.5°	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1	2616.3	2590.9
165°	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4	2644.1	2632.7
167.5°	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8	2665.9	2656.2
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8	2684.0	2683.5
172.5°	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9	2696.1	2701.6
177.5°	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7	2697.3	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5273.4	5243.9	5243.9	5194.7	5175.0	5160.3	5135.7	5061.9	5042.2	5022.5	5052.1
5°	5317.7	5263.6	5224.2	5135.7	5061.9	5032.4	4938.9	4761.8	4643.7	4555.2	4506.0
7.5°	5327.6	5258.7	5184.8	5047.1	4870.0	4791.3	4506.0	4181.3	4092.8	4014.1	3964.9
10°	5317.7	5239.0	5135.7	4929.1	4510.9	4373.2	4087.9	3876.4	3822.2	3807.5	3822.2
12.5°	5283.3	5209.4	5066.8	4722.4	4137.0	4043.6	3876.4	3753.3	3743.5	3768.2	3900.9
15°	5224.2	5155.4	4988.1	4446.9	3930.5	3861.6	3743.5	3699.3	3753.3	3925.5	4324.0
17.5°	5165.2	5086.5	4879.9	4176.4	3773.1	3723.9	3640.2	3728.8	4033.8	4265.0	4397.8
20°	5086.5	4993.0	4756.9	3979.7	3659.9	3615.6	3576.3	3974.7	4205.9	4289.6	4363.3
22.5°	4993.0	4894.6	4589.7	3841.9	3541.9	3507.4	3532.0	4112.4	4205.9	4265.0	4328.9
25°	4870.0	4786.4	4392.9	3733.7	3448.4	3409.0	3502.5	4097.7	4151.8	4166.6	4294.5
27.5°	4756.9	4648.7	4186.3	3635.3	3335.2	3320.5	3527.1	4033.8	4073.1	4087.9	4225.6
30°	4619.1	4456.8	3955.1	3532.0	3217.2	3212.2	3532.0	3955.1	3945.2	3984.5	4122.3
32.5°	4476.5	4171.5	3694.3	3404.1	3104.0	3099.2	3497.6	3836.9	3827.2	3881.2	3984.5
35°	4343.6	3950.1	3340.1	3256.5	2961.4	2966.3	3414.0	3699.3	3704.2	3753.3	3817.3
37.5°	4205.9	3758.3	2951.6	3094.2	2823.7	2823.7	3300.8	3571.3	3561.6	3576.3	3664.9
40°	4043.6	3458.2	2607.2	2882.7	2695.8	2680.9	3163.1	3433.7	3399.2	3394.3	3517.3
42.5°	3871.4	3128.6	2351.4	2602.2	2548.2	2528.5	2995.8	3266.4	3202.4	3217.2	3374.5
45°	3684.5	3040.0	2154.6	2198.9	2395.7	2380.9	2813.8	3074.5	3030.3	3069.6	3231.9
47.5°	3497.6	2863.0	2090.7	1825.0	2233.4	2228.4	2612.1	2887.6	2863.0	2902.3	3074.5
50°	3241.8	2666.2	2085.8	1564.4	2051.3	2070.9	2371.0	2705.5	2705.5	2740.0	2922.0
52.5°	2912.1	2425.2	1893.9	1416.8	1839.7	1898.9	2159.5	2548.2	2558.0	2592.5	2754.8
55°	2612.1	2174.3	1756.1	1303.6	1588.9	1716.8	1952.9	2385.8	2405.5	2439.9	2587.5
57.5°	2336.6	1810.3	1726.7	1170.7	1357.7	1480.7	1770.9	2228.4	2238.3	2267.8	2410.4
60°	2041.5	1308.5	1584.0	1028.1	1156.0	1249.5	1603.7	2041.5	2075.9	2095.6	2218.5
62.5°	1707.0	949.4	1436.4	929.8	1057.7	1077.3	1465.9	1864.4	1908.6	1923.4	1997.2
65°	1215.0	796.9	1220.0	846.1	954.4	959.2	1318.3	1682.4	1721.7	1746.3	1800.4
67.5°	821.5	649.3	929.8	767.4	875.6	880.5	1175.7	1470.8	1524.9	1544.7	1579.1
70°	570.6	432.9	688.7	683.7	787.1	796.9	1023.2	1279.0	1328.2	1342.9	1362.6
72.5°	418.1	349.2	570.6	614.9	693.6	703.5	865.8	1062.5	1111.7	1126.5	1136.3
75°	319.8	368.9	462.4	536.1	590.3	595.3	708.3	865.8	900.2	910.1	914.9
77.5°	255.8	344.4	339.4	432.9	482.1	472.3	555.9	669.0	698.6	698.6	698.6
80°	191.9	270.5	255.8	309.9	354.2	344.4	398.5	477.1	487.0	496.8	492.0
82.5°	142.6	172.2	172.2	196.8	236.1	226.3	265.6	309.9	309.9	309.9	319.8
85°	88.6	98.4	78.7	103.3	132.8	127.9	147.6	167.2	172.2	172.2	162.3
87.5°	54.1	44.3	24.6	39.3	59.0	59.0	68.9	73.7	68.9	68.9	68.9
90°	47.2	32.7	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9
92.5°	319.1	195.7	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3
95°	625.3	399.6	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8
97.5°	699.0	500.0	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2
100°	759.9	579.4	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3
102.5°	819.1	650.7	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2
105°	909.0	766.4	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8
107.5°	1034.7	901.8	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4
110°	1106.8	986.7	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7



TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1191.7	1077.2	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1
115°	1319.0	1213.4	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1
117.5°	1442.8	1346.9	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9
120°	1514.9	1424.7	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1
122.5°	1598.2	1507.1	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6
125°	1707.2	1624.1	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1
127.5°	1810.3	1726.5	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7
130°	1877.5	1787.3	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3
132.5°	1933.7	1843.5	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9
135°	2001.1	1918.8	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5
137.5°	2084.7	2003.3	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2
140°	2142.6	2067.6	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9
142.5°	2185.6	2116.3	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6
145°	2251.3	2190.9	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6
147.5°	2331.4	2272.6	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5
150°	2374.6	2321.4	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4
152.5°	2405.0	2364.7	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9
155°	2467.5	2437.7	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2
157.5°	2527.4	2498.5	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4
160°	2556.3	2533.7	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1
162.5°	2586.6	2569.8	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0
165°	2628.8	2613.5	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1
167.5°	2654.4	2647.2	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1
170°	2681.6	2674.3	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1
172.5°	2684.8	2683.2	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5
175°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2
177.5°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5017.6	5002.9	5022.5	4968.5	5022.5	5002.9	5017.6	5052.1	5022.5	5042.2	5061.9
5°	4402.7	4378.1	4299.4	4235.5	4299.4	4378.1	4402.7	4506.0	4555.2	4643.7	4761.8
7.5°	3935.4	3915.7	3896.1	3856.7	3896.1	3915.7	3935.4	3964.9	4014.1	4092.8	4181.3
10°	3832.1	3836.9	3866.5	3861.6	3866.5	3836.9	3832.1	3822.2	3807.5	3822.2	3876.4
12.5°	4097.7	4142.0	4304.3	4294.5	4304.3	4142.0	4097.7	3900.9	3768.2	3743.5	3753.3
15°	4402.7	4417.5	4451.9	4456.8	4451.9	4417.5	4402.7	4324.0	3925.5	3753.3	3699.3
17.5°	4432.2	4437.1	4461.8	4461.8	4461.8	4437.1	4432.2	4397.8	4265.0	4033.8	3728.8
20°	4407.6	4417.5	4466.7	4476.5	4466.7	4417.5	4407.6	4363.3	4289.6	4205.9	3974.7
22.5°	4397.8	4417.5	4456.8	4451.9	4456.8	4417.5	4397.8	4328.9	4265.0	4205.9	4112.4
25°	4348.6	4348.6	4353.5	4358.5	4353.5	4348.6	4348.6	4294.5	4166.6	4151.8	4097.7
27.5°	4245.3	4255.2	4284.6	4279.7	4284.6	4255.2	4245.3	4225.6	4087.9	4073.1	4033.8
30°	4151.8	4142.0	4117.4	4097.7	4117.4	4142.0	4151.8	4122.3	3984.5	3945.2	3955.1
32.5°	3994.4	3969.8	3945.2	3930.5	3945.2	3969.8	3994.4	3984.5	3881.2	3827.2	3836.9
35°	3807.5	3812.4	3807.5	3792.8	3807.5	3812.4	3807.5	3817.3	3753.3	3704.2	3699.3
37.5°	3674.6	3684.5	3679.6	3659.9	3679.6	3684.5	3674.6	3664.9	3576.3	3561.6	3571.3
40°	3536.9	3541.9	3536.9	3522.1	3536.9	3541.9	3536.9	3517.3	3394.3	3399.2	3433.7
42.5°	3404.1	3399.2	3384.4	3374.5	3384.4	3399.2	3404.1	3374.5	3217.2	3202.4	3266.4
45°	3251.6	3256.5	3227.0	3212.2	3227.0	3256.5	3251.6	3231.9	3069.6	3030.3	3074.5
47.5°	3099.2	3099.2	3074.5	3059.7	3074.5	3099.2	3099.2	3074.5	2902.3	2863.0	2887.6
50°	2936.7	2931.9	2897.4	2892.5	2897.4	2931.9	2936.7	2922.0	2740.0	2705.5	2705.5
52.5°	2749.8	2749.8	2754.8	2764.6	2754.8	2749.8	2749.8	2754.8	2592.5	2558.0	2548.2
55°	2587.5	2592.5	2626.9	2636.7	2626.9	2592.5	2587.5	2587.5	2439.9	2405.5	2385.8
57.5°	2420.3	2420.3	2444.9	2444.9	2444.9	2420.3	2420.3	2410.4	2267.8	2238.3	2228.4
60°	2228.4	2238.3	2258.0	2253.0	2258.0	2238.3	2228.4	2218.5	2095.6	2075.9	2041.5
62.5°	2026.8	2036.5	2041.5	2031.6	2041.5	2036.5	2026.8	1997.2	1923.4	1908.6	1864.4
65°	1815.2	1825.0	1830.0	1820.1	1830.0	1825.0	1815.2	1800.4	1746.3	1721.7	1682.4
67.5°	1598.8	1593.8	1588.9	1608.5	1588.9	1593.8	1598.8	1579.1	1544.7	1524.9	1470.8
70°	1377.3	1377.3	1372.5	1382.3	1372.5	1377.3	1377.3	1362.6	1342.9	1328.2	1279.0
72.5°	1141.3	1136.3	1156.0	1141.3	1156.0	1136.3	1141.3	1136.3	1126.5	1111.7	1062.5
75°	910.1	919.9	910.1	924.8	910.1	919.9	910.1	914.9	910.1	900.2	865.8
77.5°	693.6	703.5	693.6	693.6	693.6	703.5	693.6	698.6	698.6	698.6	669.0
80°	492.0	487.0	487.0	482.1	487.0	487.0	492.0	492.0	496.8	487.0	477.1
82.5°	314.8	309.9	309.9	319.8	309.9	309.9	314.8	319.8	309.9	309.9	309.9
85°	172.2	177.1	167.2	167.2	167.2	177.1	172.2	162.3	172.2	172.2	167.2
87.5°	64.0	59.0	59.0	59.0	59.0	59.0	64.0	68.9	68.9	68.9	73.7
90°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4
92.5°	344.5	330.8	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3
95°	1169.5	1128.0	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7
97.5°	2699.7	2620.8	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3
100°	3791.2	3697.1	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1
102.5°	4723.2	4642.6	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8
105°	5811.0	5767.7	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8
107.5°	6376.7	6387.2	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0
110°	6521.8	6566.9	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3



TEST NUMBER: P936179

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6429.3	6498.6	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5
115°	6115.6	6211.8	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6
117.5°	5682.3	5788.9	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8
120°	5390.4	5493.9	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2
122.5°	5098.5	5200.6	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4
125°	4712.2	4806.3	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9
127.5°	4402.3	4481.6	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2
130°	4206.4	4279.8	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2
132.5°	4039.7	4105.4	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8
135°	3803.9	3860.5	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5
137.5°	3629.9	3676.2	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1
140°	3490.2	3533.6	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7
142.5°	3392.4	3429.7	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0
145°	3245.5	3273.7	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0
147.5°	3122.2	3145.6	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8
150°	3051.5	3070.4	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1
152.5°	2995.3	3009.6	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1
155°	2928.2	2937.7	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3
157.5°	2870.2	2876.9	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6
160°	2841.1	2845.0	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7
162.5°	2814.0	2817.6	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1
165°	2772.2	2776.1	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4
167.5°	2754.1	2755.7	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8
172.5°	2739.7	2738.2	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9
177.5°	2716.0	2714.4	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5135.7	5160.3	5175.0	5194.7	5243.9
5°	4938.9	5032.4	5061.9	5135.7	5224.2
7.5°	4506.0	4791.3	4870.0	5047.1	5184.8
10°	4087.9	4373.2	4510.9	4929.1	5135.7
12.5°	3876.4	4043.6	4137.0	4722.4	5066.8
15°	3743.5	3861.6	3930.5	4446.9	4988.1
17.5°	3640.2	3723.9	3773.1	4176.4	4879.9
20°	3576.3	3615.6	3659.9	3979.7	4756.9
22.5°	3532.0	3507.4	3541.9	3841.9	4589.7
25°	3502.5	3409.0	3448.4	3733.7	4392.9
27.5°	3527.1	3320.5	3335.2	3635.3	4186.3
30°	3532.0	3212.2	3217.2	3532.0	3955.1
32.5°	3497.6	3099.2	3104.0	3404.1	3694.3
35°	3414.0	2966.3	2961.4	3256.5	3340.1
37.5°	3300.8	2823.7	2823.7	3094.2	2951.6
40°	3163.1	2680.9	2695.8	2882.7	2607.2
42.5°	2995.8	2528.5	2548.2	2602.2	2351.4
45°	2813.8	2380.9	2395.7	2198.9	2154.6
47.5°	2612.1	2228.4	2233.4	1825.0	2090.7
50°	2371.0	2070.9	2051.3	1564.4	2085.8
52.5°	2159.5	1898.9	1839.7	1416.8	1893.9
55°	1952.9	1716.8	1588.9	1303.6	1756.1
57.5°	1770.9	1480.7	1357.7	1170.7	1726.7
60°	1603.7	1249.5	1156.0	1028.1	1584.0
62.5°	1465.9	1077.3	1057.7	929.8	1436.4
65°	1318.3	959.2	954.4	846.1	1220.0
67.5°	1175.7	880.5	875.6	767.4	929.8
70°	1023.2	796.9	787.1	683.7	688.7
72.5°	865.8	703.5	693.6	614.9	570.6
75°	708.3	595.3	590.3	536.1	462.4
77.5°	555.9	472.3	482.1	432.9	339.4
80°	398.5	344.4	354.2	309.9	255.8
82.5°	265.6	226.3	236.1	196.8	172.2
85°	147.6	127.9	132.8	103.3	78.7
87.5°	68.9	59.0	59.0	39.3	24.6
90°	79.7	50.8	47.2	32.7	18.1
92.5°	492.0	349.9	319.1	195.7	72.5
95°	1210.6	681.7	625.3	399.6	174.0
97.5°	1630.6	748.8	699.0	500.0	301.0
100°	1783.5	805.0	759.9	579.4	398.8
102.5°	1853.6	861.2	819.1	650.7	482.3
105°	1905.6	944.7	909.0	766.4	623.7
107.5°	1915.2	1067.9	1034.7	901.8	768.8
110°	1900.8	1136.8	1106.8	986.7	866.7



TEST NUMBER: P936179

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1901.4	1220.3	1191.7	1077.2	962.8
115°	1918.9	1345.4	1319.0	1213.4	1107.9
117.5°	1954.5	1466.8	1442.8	1346.9	1251.1
120°	1983.5	1537.5	1514.9	1424.7	1334.4
122.5°	2025.3	1620.9	1598.2	1507.1	1416.0
125°	2081.5	1727.9	1707.2	1624.1	1541.2
127.5°	2137.6	1831.2	1810.3	1726.5	1642.6
130°	2178.7	1900.1	1877.5	1787.3	1697.1
132.5°	2211.9	1956.3	1933.7	1843.5	1753.3
135°	2248.3	2021.6	2001.1	1918.8	1836.6
137.5°	2302.6	2105.1	2084.7	2003.3	1921.9
140°	2335.9	2161.3	2142.6	2067.6	1992.7
142.5°	2363.7	2202.9	2185.6	2116.3	2047.0
145°	2399.9	2266.4	2251.3	2190.9	2130.4
147.5°	2453.1	2346.1	2331.4	2272.6	2213.8
150°	2480.9	2387.9	2374.6	2321.4	2268.2
152.5°	2499.1	2415.0	2405.0	2364.7	2324.4
155°	2539.0	2474.9	2467.5	2437.7	2407.9
157.5°	2578.8	2534.7	2527.4	2498.5	2469.5
160°	2597.0	2561.9	2556.3	2533.7	2511.2
162.5°	2616.3	2590.9	2586.6	2569.8	2552.8
165°	2644.1	2632.7	2628.8	2613.5	2598.2
167.5°	2665.9	2656.2	2654.4	2647.2	2639.9
170°	2684.0	2683.5	2681.6	2674.3	2667.1
172.5°	2685.2	2685.2	2684.8	2683.2	2681.6
175°	2696.1	2701.6	2701.6	2701.6	2701.6
177.5°	2697.3	2701.6	2701.6	2701.6	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936179  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-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	13.83	14.64	14.84	15.66	17.02	16.68	17.49	17.69	18.51	19.87
	3H	14.31	15.03	15.33	16.06	17.44	18.03	18.75	19.05	19.78	21.16
	4H	14.49	15.18	15.53	16.21	17.60	18.48	19.16	19.51	20.19	21.58
	6H	14.61	15.24	15.65	16.28	17.68	18.76	19.39	19.81	20.43	21.83
	8H	14.61	15.21	15.66	16.26	17.66	18.84	19.44	19.89	20.49	21.89
	12H	14.58	15.15	15.63	16.19	17.61	18.88	19.45	19.93	20.50	21.92
4H	2H	14.86	15.55	15.90	16.58	17.97	17.08	17.77	18.13	18.80	20.19
	3H	15.89	16.46	16.93	17.52	18.92	18.59	19.16	19.64	20.22	21.62
	4H	16.16	16.68	17.21	17.73	19.16	19.12	19.64	20.18	20.70	22.12
	6H	16.28	16.73	17.35	17.80	19.22	19.49	19.94	20.55	21.01	22.43
	8H	16.28	16.70	17.35	17.77	19.21	19.60	20.02	20.66	21.08	22.52
	12H	16.25	16.63	17.33	17.71	19.15	19.66	20.03	20.74	21.12	22.56
8H	4H	16.61	17.03	17.68	18.10	19.53	19.24	19.66	20.31	20.73	22.16
	6H	16.87	17.22	17.96	18.33	19.76	19.68	20.03	20.77	21.14	22.57
	8H	16.91	17.22	18.01	18.31	19.76	19.84	20.14	20.93	21.23	22.68
	12H	16.89	17.16	17.99	18.25	19.74	19.94	20.20	21.04	21.29	22.78
12H	4H	16.62	16.99	17.70	18.08	19.52	19.20	19.58	20.29	20.66	22.10
	6H	16.93	17.24	18.03	18.33	19.78	19.68	19.98	20.77	21.07	22.53
	8H	17.00	17.26	18.10	18.35	19.84	19.84	20.11	20.94	21.20	22.69