

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: P936181

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

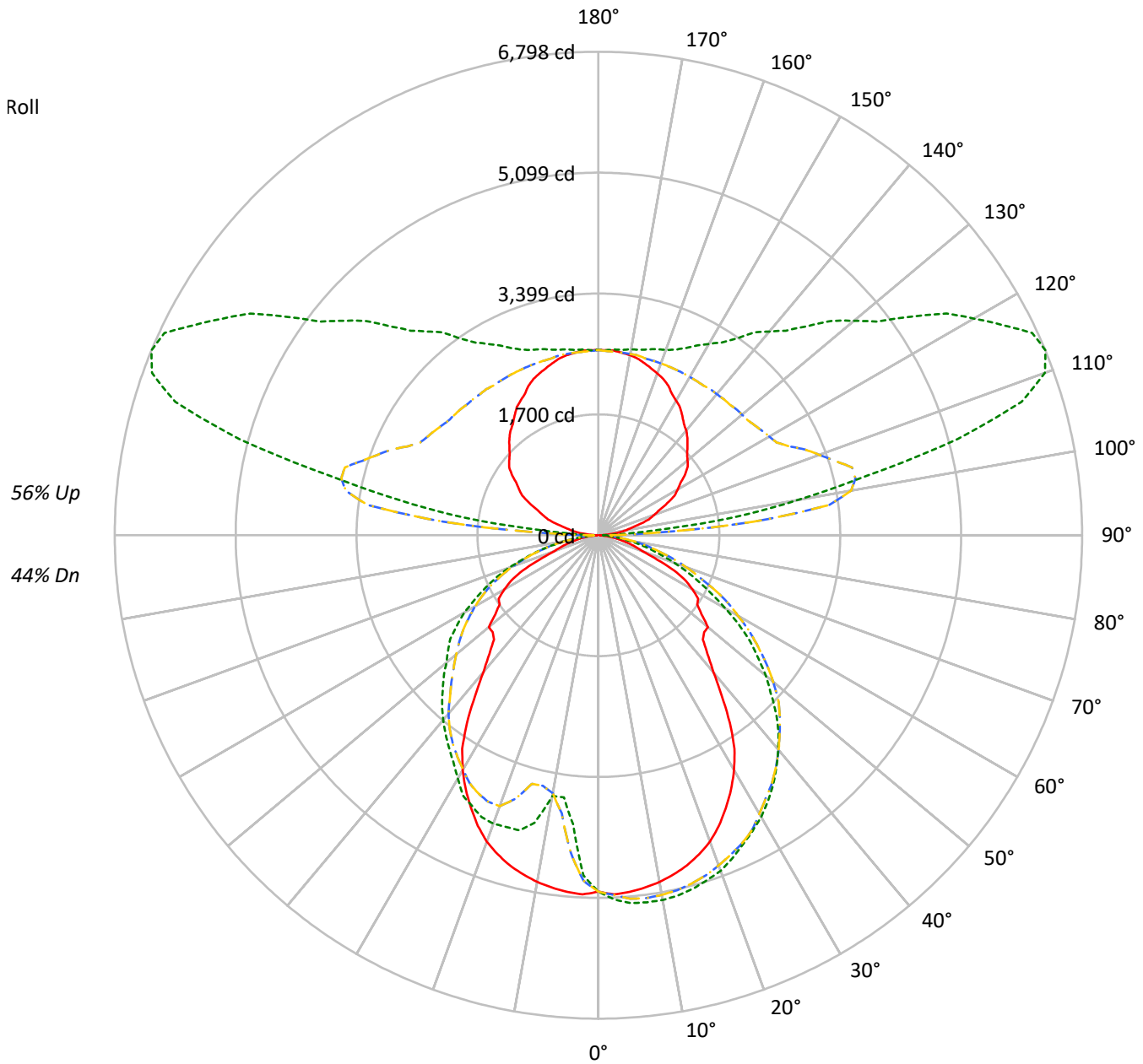
Test Method: LM-79-2019  
Report Number: P936181  
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29885.2 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 249.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

### 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°	15502	15502	15502	15502
5°	15623	15649	15623	12305
10°	15525	15414	15525	11020
15°	15362	15081	15362	12592
20°	15047	14685	15047	12619
25°	14395	14108	14395	12351
30°	13550	13629	13550	11765
35°	12086	13023	12086	11119
40°	10076	12309	10076	10632
45°	9009	11474	9009	10071
50°	9579	10479	9579	9508
55°	9021	9406	9021	9183
60°	9311	7988	9311	8411
65°	8455	6604	8455	7381
70°	5869	5262	5869	6188
75°	5166	3890	5166	4658
80°	4194	2572	4194	2801
85°	2456	1362	2456	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13799 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.4	1.5
10°-20°	1284.5	4.3
20°-30°	1985.6	6.6
30°-40°	2370.4	7.9
40°-50°	2384.3	8.0
50°-60°	2074.6	6.9
60°-70°	1470.9	4.9
70°-80°	778.2	2.6
80°-90°	203.8	0.7
90°-100°	1269.3	4.2
100°-110°	3337.1	11.2
110°-120°	3460.2	11.6
120°-130°	2775.5	9.3
130°-140°	2177.8	7.3
140°-150°	1671.5	5.6
150°-160°	1203.8	4.0
160°-170°	736.5	2.5
170°-180°	248.8	0.8
0°-30°	3722.5	12.5
0°-40°	6092.9	20.4
0°-60°	10551.8	35.3
0°-90°	13004.7	43.5
90°-120°	8066.6	27.0
90°-150°	14691.3	49.2
90°-180°	16880.0	56.5
0°-180°	29885.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5012	5012	5012	5012	5012	
5°	5036	5192	5036	4082	5036	478
15°	4808	5145	4808	4296	4808	1353
25°	4234	4798	4234	4201	4234	1944
35°	3220	4282	3220	3656	3220	1992
45°	2077	3528	2077	3096	2077	1664
55°	1693	2603	1693	2542	1693	1555
65°	1176	1570	1176	1754	1176	1124
75°	446	744	446	891	446	469
85°	76	190	76	161	76	102
90°	18	66	18	66	18	18
95°	168	767	168	767	168	186
105°	601	5225	601	5225	601	637
115°	1068	6728	1068	6728	1068	1055
125°	1486	5358	1486	5358	1486	1319
135°	1770	4158	1770	4158	1770	1370
145°	2054	3373	2054	3373	2054	1286
155°	2321	2905	2321	2905	2321	1066
165°	2504	2705	2504	2705	2504	707
175°	2604	2622	2604	2622	2604	247
180°	2604	2604	2604	2604	2604	



TEST NUMBER: P936181

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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5054.5	5054.5	5082.9	5092.4	5092.4	5078.2	5064.0	5078.2	5120.8	5135.1	5130.4
5°	5035.5	5073.5	5125.6	5135.1	5144.6	5139.8	5130.4	5139.8	5187.2	5196.8	5201.4
7.5°	4997.6	5068.7	5135.1	5149.3	5163.5	5149.3	5144.6	5154.1	5201.4	5211.0	5211.0
10°	4950.2	5049.8	5125.6	5135.1	5149.3	5135.1	5135.1	5154.1	5201.4	5211.0	5215.7
12.5°	4883.8	5021.3	5092.4	5101.9	5120.8	5116.1	5111.4	5130.4	5177.7	5187.2	5187.2
15°	4808.0	4969.2	5035.5	5045.0	5078.2	5068.7	5068.7	5087.7	5139.8	5154.1	5149.3
17.5°	4703.6	4902.8	4978.6	4992.9	5016.5	5011.8	5016.5	5035.5	5082.9	5092.4	5097.1
20°	4585.1	4812.6	4902.8	4916.9	4940.7	4940.7	4940.7	4964.4	5011.8	5030.8	5030.8
22.5°	4423.9	4717.8	4812.6	4822.1	4850.6	4850.6	4860.1	4893.2	4935.9	4940.7	4940.7
25°	4234.2	4613.5	4694.1	4722.6	4751.1	4765.3	4779.5	4798.4	4812.6	4808.0	4812.6
27.5°	4035.1	4480.8	4585.1	4604.1	4642.0	4656.2	4675.1	4679.9	4684.7	4698.9	4689.4
30°	3812.2	4295.8	4452.3	4471.2	4532.9	4542.4	4523.5	4532.9	4556.6	4566.1	4575.6
32.5°	3560.9	4020.9	4314.8	4357.5	4414.4	4386.0	4381.2	4395.4	4433.3	4433.3	4442.9
35°	3219.5	3807.5	4186.7	4224.7	4267.4	4234.2	4253.2	4257.9	4281.6	4295.8	4291.1
37.5°	2845.0	3622.5	4054.0	4082.5	4115.7	4073.0	4101.5	4115.7	4134.6	4125.1	4125.1
40°	2513.0	3333.3	3897.6	3916.5	3944.9	3911.8	3940.3	3949.7	3959.2	3949.7	3944.9
42.5°	2266.4	3015.6	3731.6	3755.3	3736.4	3760.0	3769.5	3788.5	3774.3	3755.3	3755.3
45°	2076.7	2930.2	3551.4	3579.8	3551.4	3589.4	3603.6	3603.6	3560.9	3551.4	3546.7
47.5°	2015.2	2759.6	3371.3	3371.3	3357.0	3404.4	3428.2	3394.9	3352.3	3338.0	3338.0
50°	2010.4	2569.9	3124.7	3105.7	3172.1	3229.0	3205.3	3172.1	3138.9	3086.8	3086.8
52.5°	1825.5	2337.6	2807.0	2878.1	2982.4	3015.6	2977.7	2944.5	2887.6	2863.9	2845.0
55°	1692.7	2095.8	2517.8	2660.0	2769.0	2811.7	2740.6	2707.4	2622.1	2607.8	2598.4
57.5°	1664.3	1744.9	2252.2	2432.4	2565.1	2560.5	2517.8	2456.1	2385.0	2370.8	2366.0
60°	1526.8	1261.3	1967.8	2181.1	2318.7	2304.4	2266.4	2209.6	2143.2	2133.7	2124.2
62.5°	1384.6	915.1	1645.3	1887.1	2081.5	2076.7	2043.6	1958.2	1910.9	1887.1	1868.2
65°	1175.9	768.1	1171.1	1569.5	1849.2	1858.7	1787.6	1725.9	1673.7	1645.3	1640.6
67.5°	896.2	625.9	791.8	1308.6	1626.4	1616.8	1526.8	1498.3	1431.9	1417.7	1389.2
70°	663.8	417.2	550.0	1062.1	1408.2	1384.6	1313.4	1280.2	1218.6	1185.3	1166.4
72.5°	550.0	336.6	403.0	825.0	1185.3	1156.9	1095.3	1057.4	1005.2	976.8	957.8
75°	445.7	355.6	308.2	611.7	962.5	943.5	886.6	848.7	806.0	768.1	772.9
77.5°	327.2	331.9	246.6	450.5	763.4	735.0	701.7	654.4	635.4	597.5	597.5
80°	246.6	260.8	184.9	308.2	550.0	550.0	521.5	488.4	455.2	436.2	436.2
82.5°	166.0	166.0	137.5	194.4	374.6	360.3	341.4	331.9	313.0	303.5	303.5
85°	75.8	94.8	85.4	118.5	203.9	213.3	213.3	203.9	199.1	189.7	194.4
87.5°	23.7	42.7	52.1	66.4	104.3	109.1	113.8	113.8	113.8	118.5	118.5
90°	17.5	31.5	45.5	48.9	76.9	114.1	132.8	118.1	88.5	66.4	66.4
92.5°	69.9	188.7	307.6	337.3	474.2	656.7	747.9	655.5	470.6	332.0	318.9
95°	167.7	385.2	602.7	657.1	1166.8	1846.5	2186.3	1950.9	1480.3	1127.2	1087.3
97.5°	290.1	481.9	673.8	721.8	1571.7	2705.0	3271.5	3122.8	2825.4	2602.2	2526.1
100°	384.4	558.4	732.4	776.0	1719.1	2976.6	3605.3	3616.2	3637.9	3654.3	3563.6
102.5°	464.9	627.2	789.5	830.1	1786.6	3062.0	3699.8	3889.3	4268.3	4552.6	4474.9
105°	601.2	738.7	876.2	910.6	1836.8	3071.7	3689.2	4114.1	4963.8	5601.1	5559.4
107.5°	741.0	869.2	997.3	1029.4	1846.1	2935.0	3479.5	4072.1	5257.4	6146.4	6156.5
110°	835.4	951.1	1066.8	1095.8	1832.1	2813.9	3304.8	3967.4	5292.4	6286.2	6329.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	928.0	1038.3	1148.6	1176.2	1832.7	2708.0	3145.7	3823.8	5180.0	6197.1	6263.9
115°	1067.8	1169.6	1271.4	1296.8	1849.6	2586.7	2955.3	3608.5	4914.9	5894.8	5987.4
117.5°	1205.9	1298.3	1390.7	1413.8	1883.9	2510.7	2824.1	3413.7	4592.8	5477.1	5579.8
120°	1286.2	1373.3	1460.2	1482.0	1911.9	2485.1	2771.7	3310.4	4387.7	5195.7	5295.5
122.5°	1364.9	1452.7	1540.4	1562.4	1952.2	2471.7	2731.6	3216.6	4186.7	4914.3	5012.8
125°	1485.5	1565.5	1645.5	1665.5	2006.3	2460.7	2687.9	3099.9	3924.0	4542.0	4632.7
127.5°	1583.3	1664.1	1744.9	1765.1	2060.4	2454.3	2651.2	3005.0	3712.6	4243.3	4319.8
130°	1635.8	1722.8	1809.7	1831.5	2100.0	2458.1	2637.1	2952.1	3582.1	4054.5	4125.2
132.5°	1690.0	1776.9	1863.9	1885.7	2132.0	2460.6	2624.9	2906.9	3470.8	3893.8	3957.1
135°	1770.3	1849.5	1928.8	1948.6	2167.1	2458.4	2604.0	2840.1	3312.3	3666.5	3721.1
137.5°	1852.5	1931.0	2009.4	2029.0	2219.5	2473.4	2600.4	2800.0	3199.3	3498.8	3543.4
140°	1920.7	1992.9	2065.2	2083.2	2251.5	2475.9	2588.2	2760.6	3105.6	3364.2	3405.9
142.5°	1973.1	2039.9	2106.6	2123.4	2278.3	2484.9	2588.2	2739.7	3042.6	3269.8	3305.8
145°	2053.5	2111.8	2170.0	2184.5	2313.2	2484.9	2570.7	2694.6	2942.4	3128.2	3155.4
147.5°	2133.8	2190.5	2247.2	2261.4	2364.5	2502.0	2570.7	2668.3	2863.2	3009.4	3032.0
150°	2186.3	2237.6	2288.9	2301.7	2391.3	2511.0	2570.7	2653.1	2817.8	2941.3	2959.5
152.5°	2240.5	2279.3	2318.1	2327.8	2408.8	2516.8	2570.7	2641.1	2781.6	2887.1	2900.9
155°	2320.9	2349.7	2378.3	2385.5	2447.3	2529.6	2570.7	2626.7	2738.6	2822.5	2831.6
157.5°	2380.3	2408.2	2436.2	2443.2	2485.7	2542.3	2570.7	2614.3	2701.2	2766.5	2773.0
160°	2420.5	2442.2	2464.0	2469.4	2503.2	2548.2	2570.7	2608.0	2682.5	2738.5	2742.2
162.5°	2460.6	2477.0	2493.2	2497.3	2521.8	2554.4	2570.7	2602.2	2665.2	2712.3	2715.8
165°	2504.3	2519.1	2533.8	2537.6	2548.6	2563.4	2570.7	2593.3	2638.3	2672.1	2675.8
167.5°	2544.6	2551.6	2558.5	2560.3	2569.6	2582.0	2588.2	2603.0	2632.5	2654.6	2656.2
170°	2570.7	2577.7	2584.8	2586.5	2587.1	2587.8	2588.2	2603.0	2632.5	2654.6	2654.6
172.5°	2584.8	2586.2	2587.8	2588.2	2588.2	2588.2	2588.2	2599.9	2623.2	2640.7	2639.3
175°	2604.0	2604.0	2604.0	2604.0	2598.8	2591.8	2588.2	2595.6	2610.3	2621.5	2621.5
177.5°	2604.0	2604.0	2604.0	2604.0	2599.9	2594.5	2591.8	2597.5	2609.2	2617.9	2616.3
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P936181

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5139.8	5125.6	5139.8	5130.4	5135.1	5120.8	5078.2	5064.0	5078.2	5092.4	5092.4
5°	5201.4	5192.0	5201.4	5201.4	5196.8	5187.2	5139.8	5130.4	5139.8	5144.6	5135.1
7.5°	5220.4	5206.2	5220.4	5211.0	5211.0	5201.4	5154.1	5144.6	5149.3	5163.5	5149.3
10°	5220.4	5206.2	5220.4	5215.7	5211.0	5201.4	5154.1	5135.1	5135.1	5149.3	5135.1
12.5°	5196.8	5187.2	5196.8	5187.2	5187.2	5177.7	5130.4	5111.4	5116.1	5120.8	5101.9
15°	5158.8	5144.6	5158.8	5149.3	5154.1	5139.8	5087.7	5068.7	5068.7	5078.2	5045.0
17.5°	5101.9	5082.9	5101.9	5097.1	5092.4	5082.9	5035.5	5016.5	5011.8	5016.5	4992.9
20°	5035.5	5021.3	5035.5	5030.8	5030.8	5011.8	4964.4	4940.7	4940.7	4940.7	4916.9
22.5°	4931.2	4916.9	4931.2	4940.7	4940.7	4935.9	4893.2	4860.1	4850.6	4850.6	4822.1
25°	4812.6	4798.4	4812.6	4812.6	4808.0	4812.6	4798.4	4779.5	4765.3	4751.1	4722.6
27.5°	4698.9	4689.4	4698.9	4689.4	4698.9	4684.7	4679.9	4675.1	4656.2	4642.0	4604.1
30°	4585.1	4575.6	4585.1	4575.6	4566.1	4556.6	4532.9	4523.5	4542.4	4532.9	4471.2
32.5°	4442.9	4433.3	4442.9	4442.9	4433.3	4433.3	4395.4	4381.2	4386.0	4414.4	4357.5
35°	4295.8	4281.6	4295.8	4291.1	4295.8	4281.6	4257.9	4253.2	4234.2	4267.4	4224.7
37.5°	4125.1	4110.9	4125.1	4125.1	4125.1	4134.6	4115.7	4101.5	4073.0	4115.7	4082.5
40°	3949.7	3930.7	3949.7	3944.9	3949.7	3959.2	3949.7	3940.3	3911.8	3944.9	3916.5
42.5°	3750.6	3745.8	3750.6	3755.3	3755.3	3774.3	3788.5	3769.5	3760.0	3736.4	3755.3
45°	3537.2	3527.7	3537.2	3546.7	3551.4	3560.9	3603.6	3603.6	3589.4	3551.4	3579.8
47.5°	3309.6	3285.9	3309.6	3338.0	3338.0	3352.3	3394.9	3428.2	3404.4	3357.0	3371.3
50°	3067.8	3072.5	3067.8	3086.8	3086.8	3138.9	3172.1	3205.3	3229.0	3172.1	3105.7
52.5°	2830.7	2826.0	2830.7	2845.0	2863.9	2887.6	2944.5	2977.7	3015.6	2982.4	2878.1
55°	2593.6	2603.2	2593.6	2598.4	2607.8	2622.1	2707.4	2740.6	2811.7	2769.0	2660.0
57.5°	2356.6	2342.3	2356.6	2366.0	2370.8	2385.0	2456.1	2517.8	2560.5	2565.1	2432.4
60°	2081.5	2062.6	2081.5	2124.2	2133.7	2143.2	2209.6	2266.4	2304.4	2318.7	2181.1
62.5°	1839.7	1806.5	1839.7	1868.2	1887.1	1910.9	1958.2	2043.6	2076.7	2081.5	1887.1
65°	1583.7	1569.5	1583.7	1640.6	1645.3	1673.7	1725.9	1787.6	1858.7	1849.2	1569.5
67.5°	1351.3	1351.3	1351.3	1389.2	1417.7	1431.9	1498.3	1526.8	1616.8	1626.4	1308.6
70°	1138.0	1133.2	1138.0	1166.4	1185.3	1218.6	1280.2	1313.4	1384.6	1408.2	1062.1
72.5°	934.1	929.3	934.1	957.8	976.8	1005.2	1057.4	1095.3	1156.9	1185.3	825.0
75°	753.9	744.4	753.9	772.9	768.1	806.0	848.7	886.6	943.5	962.5	611.7
77.5°	578.4	578.4	578.4	597.5	597.5	635.4	654.4	701.7	735.0	763.4	450.5
80°	431.5	426.7	431.5	436.2	436.2	455.2	488.4	521.5	550.0	550.0	308.2
82.5°	303.5	293.9	303.5	303.5	303.5	313.0	331.9	341.4	360.3	374.6	194.4
85°	189.7	189.7	189.7	194.4	189.7	199.1	203.9	213.3	213.3	203.9	118.5
87.5°	123.3	118.5	123.3	118.5	118.5	113.8	113.8	113.8	109.1	104.3	66.4
90°	66.4	66.4	66.4	66.4	66.4	88.5	118.1	132.8	114.1	76.9	48.9
92.5°	266.0	213.2	266.0	318.9	332.0	470.6	655.5	747.9	656.7	474.2	337.3
95°	927.2	767.2	927.2	1087.3	1127.2	1480.3	1950.9	2186.3	1846.5	1166.8	657.1
97.5°	2221.6	1917.1	2221.6	2526.1	2602.2	2825.4	3122.8	3271.5	2705.0	1571.7	721.8
100°	3200.9	2838.1	3200.9	3563.6	3654.3	3637.9	3616.2	3605.3	2976.6	1719.1	776.0
102.5°	4164.2	3853.5	4164.2	4474.9	4552.6	4268.3	3889.3	3699.8	3062.0	1786.6	830.1
105°	5392.4	5225.4	5392.4	5559.4	5601.1	4963.8	4114.1	3689.2	3071.7	1836.8	910.6
107.5°	6196.9	6237.3	6196.9	6156.5	6146.4	5257.4	4072.1	3479.5	2935.0	1846.1	1029.4
110°	6503.7	6677.7	6503.7	6329.7	6286.2	5292.4	3967.4	3304.8	2813.9	1832.1	1095.8





TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6531.1	6798.3	6531.1	6263.9	6197.1	5180.0	3823.8	3145.7	2708.0	1832.7	1176.2
115°	6357.8	6728.3	6357.8	5987.4	5894.8	4914.9	3608.5	2955.3	2586.7	1849.6	1296.8
117.5°	5990.7	6401.5	5990.7	5579.8	5477.1	4592.8	3413.7	2824.1	2510.7	1883.9	1413.8
120°	5694.7	6094.0	5694.7	5295.5	5195.7	4387.7	3310.4	2771.7	2485.1	1911.9	1482.0
122.5°	5406.6	5800.4	5406.6	5012.8	4914.3	4186.7	3216.6	2731.6	2471.7	1952.2	1562.4
125°	4995.5	5358.3	4995.5	4632.7	4542.0	3924.0	3099.9	2687.9	2460.7	2006.3	1665.5
127.5°	4625.8	4931.8	4625.8	4319.8	4243.3	3712.6	3005.0	2651.2	2454.3	2060.4	1765.1
130°	4407.9	4690.6	4407.9	4125.2	4054.5	3582.1	2952.1	2637.1	2458.1	2100.0	1831.5
132.5°	4210.2	4463.4	4210.2	3957.1	3893.8	3470.8	2906.9	2624.9	2460.6	2132.0	1885.7
135°	3939.3	4157.6	3939.3	3721.1	3666.5	3312.3	2840.1	2604.0	2458.4	2167.1	1948.6
137.5°	3722.1	3900.7	3722.1	3543.4	3498.8	3199.3	2800.0	2600.4	2473.4	2219.5	2029.0
140°	3572.9	3739.9	3572.9	3405.9	3364.2	3105.6	2760.6	2588.2	2475.9	2251.5	2083.2
142.5°	3449.4	3593.1	3449.4	3305.8	3269.8	3042.6	2739.7	2588.2	2484.9	2278.3	2123.4
145°	3264.2	3373.0	3264.2	3155.4	3128.2	2942.4	2694.6	2570.7	2484.9	2313.2	2184.5
147.5°	3122.1	3212.1	3122.1	3032.0	3009.4	2863.2	2668.3	2570.7	2502.0	2364.5	2261.4
150°	3032.5	3105.6	3032.5	2959.5	2941.3	2817.8	2653.1	2570.7	2511.0	2391.3	2301.7
152.5°	2956.0	3011.1	2956.0	2900.9	2887.1	2781.6	2641.1	2570.7	2516.8	2408.8	2327.8
155°	2868.0	2904.6	2868.0	2831.6	2822.5	2738.6	2626.7	2570.7	2529.6	2447.3	2385.5
157.5°	2798.5	2824.1	2798.5	2773.0	2766.5	2701.2	2614.3	2570.7	2542.3	2485.7	2443.2
160°	2757.0	2771.7	2757.0	2742.2	2738.5	2682.5	2608.0	2570.7	2548.2	2503.2	2469.4
162.5°	2729.8	2743.8	2729.8	2715.8	2712.3	2665.2	2602.2	2570.7	2554.4	2521.8	2497.3
165°	2690.6	2705.3	2690.6	2675.8	2672.1	2638.3	2593.3	2570.7	2563.4	2548.6	2537.6
167.5°	2662.4	2668.6	2662.4	2656.2	2654.6	2632.5	2603.0	2588.2	2582.0	2569.6	2560.3
170°	2654.6	2654.6	2654.6	2654.6	2654.6	2632.5	2603.0	2588.2	2587.8	2587.1	2586.5
172.5°	2633.9	2628.5	2633.9	2639.3	2640.7	2623.2	2599.9	2588.2	2588.2	2588.2	2588.2
175°	2621.5	2621.5	2621.5	2621.5	2621.5	2610.3	2595.6	2588.2	2591.8	2598.8	2604.0
177.5°	2610.2	2604.0	2610.2	2616.3	2617.9	2609.2	2597.5	2591.8	2594.5	2599.9	2604.0
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5082.9	5054.5	5054.5	5007.1	4988.1	4973.9	4950.2	4879.0	4860.1	4841.1	4869.6
5°	5125.6	5073.5	5035.5	4950.2	4879.0	4850.6	4760.5	4589.8	4476.0	4390.6	4343.3
7.5°	5135.1	5068.7	4997.6	4864.8	4694.1	4618.3	4343.3	4030.3	3944.9	3869.1	3821.6
10°	5125.6	5049.8	4950.2	4751.1	4348.0	4215.2	3940.3	3736.4	3684.2	3670.0	3684.2
12.5°	5092.4	5021.3	4883.8	4551.8	3987.6	3897.6	3736.4	3617.8	3608.3	3632.0	3760.0
15°	5035.5	4969.2	4808.0	4286.3	3788.5	3722.1	3608.3	3565.6	3617.8	3783.7	4167.8
17.5°	4978.6	4902.8	4703.6	4025.5	3636.8	3589.4	3508.8	3594.1	3888.1	4110.9	4239.0
20°	4902.8	4812.6	4585.1	3835.9	3527.7	3485.0	3447.1	3831.2	4054.0	4134.6	4205.7
22.5°	4812.6	4717.8	4423.9	3703.1	3414.0	3380.7	3404.4	3963.9	4054.0	4110.9	4172.6
25°	4694.1	4613.5	4234.2	3598.8	3323.8	3285.9	3375.9	3949.7	4001.8	4016.1	4139.4
27.5°	4585.1	4480.8	4035.1	3504.0	3214.7	3200.5	3399.7	3888.1	3926.0	3940.3	4073.0
30°	4452.3	4295.8	3812.2	3404.4	3101.0	3096.2	3404.4	3812.2	3802.7	3840.6	3973.4
32.5°	4314.8	4020.9	3560.9	3281.1	2991.9	2987.2	3371.3	3698.4	3688.9	3741.0	3840.6
35°	4186.7	3807.5	3219.5	3138.9	2854.4	2859.2	3290.7	3565.6	3570.4	3617.8	3679.4
37.5°	4054.0	3622.5	2845.0	2982.4	2721.7	2721.7	3181.6	3442.4	3432.9	3447.1	3532.5
40°	3897.6	3333.3	2513.0	2778.6	2598.4	2584.1	3048.9	3309.6	3276.4	3271.7	3390.2
42.5°	3731.6	3015.6	2266.4	2508.3	2456.1	2437.2	2887.6	3148.4	3086.8	3101.0	3252.7
45°	3551.4	2930.2	2076.7	2119.4	2309.1	2294.9	2712.1	2963.5	2920.8	2958.7	3115.2
47.5°	3371.3	2759.6	2015.2	1759.1	2152.7	2147.9	2517.8	2783.3	2759.6	2797.5	2963.5
50°	3124.7	2569.9	2010.4	1507.8	1977.2	1996.1	2285.4	2607.8	2607.8	2641.1	2816.5
52.5°	2807.0	2337.6	1825.5	1365.6	1773.3	1830.3	2081.5	2456.1	2465.6	2498.8	2655.3
55°	2517.8	2095.8	1692.7	1256.5	1531.5	1654.8	1882.4	2299.6	2318.7	2351.8	2494.1
57.5°	2252.2	1744.9	1664.3	1128.5	1308.6	1427.2	1707.0	2147.9	2157.4	2185.8	2323.3
60°	1967.8	1261.3	1526.8	991.0	1114.3	1204.4	1545.8	1967.8	2000.9	2019.9	2138.4
62.5°	1645.3	915.1	1384.6	896.2	1019.5	1038.4	1413.0	1797.0	1839.7	1853.9	1925.1
65°	1171.1	768.1	1175.9	815.6	919.9	924.6	1270.7	1621.6	1659.5	1683.3	1735.4
67.5°	791.8	625.9	896.2	739.6	844.0	848.7	1133.2	1417.7	1469.8	1488.9	1522.0
70°	550.0	417.2	663.8	659.0	758.7	768.1	986.2	1232.8	1280.2	1294.4	1313.4
72.5°	403.0	336.6	550.0	592.7	668.6	678.1	834.5	1024.1	1071.6	1085.8	1095.3
75°	308.2	355.6	445.7	516.8	569.0	573.8	682.8	834.5	867.7	877.2	881.9
77.5°	246.6	331.9	327.2	417.2	464.7	455.2	535.8	644.8	673.3	673.3	673.3
80°	184.9	260.8	246.6	298.7	341.4	331.9	384.1	459.9	469.4	478.9	474.2
82.5°	137.5	166.0	166.0	189.7	227.6	218.1	256.0	298.7	298.7	298.7	308.2
85°	85.4	94.8	75.8	99.6	128.1	123.3	142.2	161.2	166.0	166.0	156.4
87.5°	52.1	42.7	23.7	37.9	56.9	56.9	66.4	71.1	66.4	66.4	66.4
90°	45.5	31.5	17.5	31.5	45.5	48.9	76.9	114.1	132.8	118.1	88.5
92.5°	307.6	188.7	69.9	188.7	307.6	337.3	474.2	656.7	747.9	655.5	470.6
95°	602.7	385.2	167.7	385.2	602.7	657.1	1166.8	1846.5	2186.3	1950.9	1480.3
97.5°	673.8	481.9	290.1	481.9	673.8	721.8	1571.7	2705.0	3271.5	3122.8	2825.4
100°	732.4	558.4	384.4	558.4	732.4	776.0	1719.1	2976.6	3605.3	3616.2	3637.9
102.5°	789.5	627.2	464.9	627.2	789.5	830.1	1786.6	3062.0	3699.8	3889.3	4268.3
105°	876.2	738.7	601.2	738.7	876.2	910.6	1836.8	3071.7	3689.2	4114.1	4963.8
107.5°	997.3	869.2	741.0	869.2	997.3	1029.4	1846.1	2935.0	3479.5	4072.1	5257.4
110°	1066.8	951.1	835.4	951.1	1066.8	1095.8	1832.1	2813.9	3304.8	3967.4	5292.4



TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1148.6	1038.3	928.0	1038.3	1148.6	1176.2	1832.7	2708.0	3145.7	3823.8	5180.0
115°	1271.4	1169.6	1067.8	1169.6	1271.4	1296.8	1849.6	2586.7	2955.3	3608.5	4914.9
117.5°	1390.7	1298.3	1205.9	1298.3	1390.7	1413.8	1883.9	2510.7	2824.1	3413.7	4592.8
120°	1460.2	1373.3	1286.2	1373.3	1460.2	1482.0	1911.9	2485.1	2771.7	3310.4	4387.7
122.5°	1540.4	1452.7	1364.9	1452.7	1540.4	1562.4	1952.2	2471.7	2731.6	3216.6	4186.7
125°	1645.5	1565.5	1485.5	1565.5	1645.5	1665.5	2006.3	2460.7	2687.9	3099.9	3924.0
127.5°	1744.9	1664.1	1583.3	1664.1	1744.9	1765.1	2060.4	2454.3	2651.2	3005.0	3712.6
130°	1809.7	1722.8	1635.8	1722.8	1809.7	1831.5	2100.0	2458.1	2637.1	2952.1	3582.1
132.5°	1863.9	1776.9	1690.0	1776.9	1863.9	1885.7	2132.0	2460.6	2624.9	2906.9	3470.8
135°	1928.8	1849.5	1770.3	1849.5	1928.8	1948.6	2167.1	2458.4	2604.0	2840.1	3312.3
137.5°	2009.4	1931.0	1852.5	1931.0	2009.4	2029.0	2219.5	2473.4	2600.4	2800.0	3199.3
140°	2065.2	1992.9	1920.7	1992.9	2065.2	2083.2	2251.5	2475.9	2588.2	2760.6	3105.6
142.5°	2106.6	2039.9	1973.1	2039.9	2106.6	2123.4	2278.3	2484.9	2588.2	2739.7	3042.6
145°	2170.0	2111.8	2053.5	2111.8	2170.0	2184.5	2313.2	2484.9	2570.7	2694.6	2942.4
147.5°	2247.2	2190.5	2133.8	2190.5	2247.2	2261.4	2364.5	2502.0	2570.7	2668.3	2863.2
150°	2288.9	2237.6	2186.3	2237.6	2288.9	2301.7	2391.3	2511.0	2570.7	2653.1	2817.8
152.5°	2318.1	2279.3	2240.5	2279.3	2318.1	2327.8	2408.8	2516.8	2570.7	2641.1	2781.6
155°	2378.3	2349.7	2320.9	2349.7	2378.3	2385.5	2447.3	2529.6	2570.7	2626.7	2738.6
157.5°	2436.2	2408.2	2380.3	2408.2	2436.2	2443.2	2485.7	2542.3	2570.7	2614.3	2701.2
160°	2464.0	2442.2	2420.5	2442.2	2464.0	2469.4	2503.2	2548.2	2570.7	2608.0	2682.5
162.5°	2493.2	2477.0	2460.6	2477.0	2493.2	2497.3	2521.8	2554.4	2570.7	2602.2	2665.2
165°	2533.8	2519.1	2504.3	2519.1	2533.8	2537.6	2548.6	2563.4	2570.7	2593.3	2638.3
167.5°	2558.5	2551.6	2544.6	2551.6	2558.5	2560.3	2569.6	2582.0	2588.2	2603.0	2632.5
170°	2584.8	2577.7	2570.7	2577.7	2584.8	2586.5	2587.1	2587.8	2588.2	2603.0	2632.5
172.5°	2587.8	2586.2	2584.8	2586.2	2587.8	2588.2	2588.2	2588.2	2588.2	2599.9	2623.2
175°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2598.8	2591.8	2588.2	2595.6	2610.3
177.5°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2599.9	2594.5	2591.8	2597.5	2609.2
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P936181  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4836.3	4822.1	4841.1	4789.0	4841.1	4822.1	4836.3	4869.6	4841.1	4860.1	4879.0
5°	4243.7	4220.0	4144.1	4082.5	4144.1	4220.0	4243.7	4343.3	4390.6	4476.0	4589.8
7.5°	3793.3	3774.3	3755.3	3717.4	3755.3	3774.3	3793.3	3821.6	3869.1	3944.9	4030.3
10°	3693.7	3698.4	3726.8	3722.1	3726.8	3698.4	3693.7	3684.2	3670.0	3684.2	3736.4
12.5°	3949.7	3992.4	4148.8	4139.4	4148.8	3992.4	3949.7	3760.0	3632.0	3608.3	3617.8
15°	4243.7	4257.9	4291.1	4295.8	4291.1	4257.9	4243.7	4167.8	3783.7	3617.8	3565.6
17.5°	4272.1	4276.9	4300.6	4300.6	4300.6	4276.9	4272.1	4239.0	4110.9	3888.1	3594.1
20°	4248.4	4257.9	4305.4	4314.8	4305.4	4257.9	4248.4	4205.7	4134.6	4054.0	3831.2
22.5°	4239.0	4257.9	4295.8	4291.1	4295.8	4257.9	4239.0	4172.6	4110.9	4054.0	3963.9
25°	4191.5	4191.5	4196.3	4201.0	4196.3	4191.5	4191.5	4139.4	4016.1	4001.8	3949.7
27.5°	4091.9	4101.5	4129.9	4125.1	4129.9	4101.5	4091.9	4073.0	3940.3	3926.0	3888.1
30°	4001.8	3992.4	3968.7	3949.7	3968.7	3992.4	4001.8	3973.4	3840.6	3802.7	3812.2
32.5°	3850.1	3826.4	3802.7	3788.5	3802.7	3826.4	3850.1	3840.6	3741.0	3688.9	3698.4
35°	3670.0	3674.7	3670.0	3655.8	3670.0	3674.7	3670.0	3679.4	3617.8	3570.4	3565.6
37.5°	3541.9	3551.4	3546.7	3527.7	3546.7	3551.4	3541.9	3532.5	3447.1	3432.9	3442.4
40°	3409.2	3414.0	3409.2	3394.9	3409.2	3414.0	3409.2	3390.2	3271.7	3276.4	3309.6
42.5°	3281.1	3276.4	3262.2	3252.7	3262.2	3276.4	3281.1	3252.7	3101.0	3086.8	3148.4
45°	3134.1	3138.9	3110.4	3096.2	3110.4	3138.9	3134.1	3115.2	2958.7	2920.8	2963.5
47.5°	2987.2	2987.2	2963.5	2949.2	2963.5	2987.2	2987.2	2963.5	2797.5	2759.6	2783.3
50°	2830.7	2826.0	2792.8	2788.0	2792.8	2826.0	2830.7	2816.5	2641.1	2607.8	2607.8
52.5°	2650.5	2650.5	2655.3	2664.7	2655.3	2650.5	2650.5	2655.3	2498.8	2465.6	2456.1
55°	2494.1	2498.8	2532.0	2541.5	2532.0	2498.8	2494.1	2494.1	2351.8	2318.7	2299.6
57.5°	2332.9	2332.9	2356.6	2356.6	2356.6	2332.9	2332.9	2323.3	2185.8	2157.4	2147.9
60°	2147.9	2157.4	2176.4	2171.6	2176.4	2157.4	2147.9	2138.4	2019.9	2000.9	1967.8
62.5°	1953.6	1963.0	1967.8	1958.2	1967.8	1963.0	1953.6	1925.1	1853.9	1839.7	1797.0
65°	1749.7	1759.1	1763.9	1754.3	1763.9	1759.1	1749.7	1735.4	1683.3	1659.5	1621.6
67.5°	1541.0	1536.2	1531.5	1550.4	1531.5	1536.2	1541.0	1522.0	1488.9	1469.8	1417.7
70°	1327.6	1327.6	1322.9	1332.4	1322.9	1327.6	1327.6	1313.4	1294.4	1280.2	1232.8
72.5°	1100.1	1095.3	1114.3	1100.1	1114.3	1095.3	1100.1	1095.3	1085.8	1071.6	1024.1
75°	877.2	886.6	877.2	891.4	877.2	886.6	877.2	881.9	877.2	867.7	834.5
77.5°	668.6	678.1	668.6	668.6	668.6	678.1	668.6	673.3	673.3	673.3	644.8
80°	474.2	469.4	469.4	464.7	469.4	469.4	474.2	474.2	478.9	469.4	459.9
82.5°	303.5	298.7	298.7	308.2	298.7	298.7	303.5	308.2	298.7	298.7	298.7
85°	166.0	170.7	161.2	161.2	161.2	170.7	166.0	156.4	166.0	166.0	161.2
87.5°	61.6	56.9	56.9	56.9	56.9	56.9	61.6	66.4	66.4	66.4	71.1
90°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	88.5	118.1	132.8	114.1
92.5°	332.0	318.9	266.0	213.2	266.0	318.9	332.0	470.6	655.5	747.9	656.7
95°	1127.2	1087.3	927.2	767.2	927.2	1087.3	1127.2	1480.3	1950.9	2186.3	1846.5
97.5°	2602.2	2526.1	2221.6	1917.1	2221.6	2526.1	2602.2	2825.4	3122.8	3271.5	2705.0
100°	3654.3	3563.6	3200.9	2838.1	3200.9	3563.6	3654.3	3637.9	3616.2	3605.3	2976.6
102.5°	4552.6	4474.9	4164.2	3853.5	4164.2	4474.9	4552.6	4268.3	3889.3	3699.8	3062.0
105°	5601.1	5559.4	5392.4	5225.4	5392.4	5559.4	5601.1	4963.8	4114.1	3689.2	3071.7
107.5°	6146.4	6156.5	6196.9	6237.3	6196.9	6156.5	6146.4	5257.4	4072.1	3479.5	2935.0
110°	6286.2	6329.7	6503.7	6677.7	6503.7	6329.7	6286.2	5292.4	3967.4	3304.8	2813.9



TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6197.1	6263.9	6531.1	6798.3	6531.1	6263.9	6197.1	5180.0	3823.8	3145.7	2708.0
115°	5894.8	5987.4	6357.8	6728.3	6357.8	5987.4	5894.8	4914.9	3608.5	2955.3	2586.7
117.5°	5477.1	5579.8	5990.7	6401.5	5990.7	5579.8	5477.1	4592.8	3413.7	2824.1	2510.7
120°	5195.7	5295.5	5694.7	6094.0	5694.7	5295.5	5195.7	4387.7	3310.4	2771.7	2485.1
122.5°	4914.3	5012.8	5406.6	5800.4	5406.6	5012.8	4914.3	4186.7	3216.6	2731.6	2471.7
125°	4542.0	4632.7	4995.5	5358.3	4995.5	4632.7	4542.0	3924.0	3099.9	2687.9	2460.7
127.5°	4243.3	4319.8	4625.8	4931.8	4625.8	4319.8	4243.3	3712.6	3005.0	2651.2	2454.3
130°	4054.5	4125.2	4407.9	4690.6	4407.9	4125.2	4054.5	3582.1	2952.1	2637.1	2458.1
132.5°	3893.8	3957.1	4210.2	4463.4	4210.2	3957.1	3893.8	3470.8	2906.9	2624.9	2460.6
135°	3666.5	3721.1	3939.3	4157.6	3939.3	3721.1	3666.5	3312.3	2840.1	2604.0	2458.4
137.5°	3498.8	3543.4	3722.1	3900.7	3722.1	3543.4	3498.8	3199.3	2800.0	2600.4	2473.4
140°	3364.2	3405.9	3572.9	3739.9	3572.9	3405.9	3364.2	3105.6	2760.6	2588.2	2475.9
142.5°	3269.8	3305.8	3449.4	3593.1	3449.4	3305.8	3269.8	3042.6	2739.7	2588.2	2484.9
145°	3128.2	3155.4	3264.2	3373.0	3264.2	3155.4	3128.2	2942.4	2694.6	2570.7	2484.9
147.5°	3009.4	3032.0	3122.1	3212.1	3122.1	3032.0	3009.4	2863.2	2668.3	2570.7	2502.0
150°	2941.3	2959.5	3032.5	3105.6	3032.5	2959.5	2941.3	2817.8	2653.1	2570.7	2511.0
152.5°	2887.1	2900.9	2956.0	3011.1	2956.0	2900.9	2887.1	2781.6	2641.1	2570.7	2516.8
155°	2822.5	2831.6	2868.0	2904.6	2868.0	2831.6	2822.5	2738.6	2626.7	2570.7	2529.6
157.5°	2766.5	2773.0	2798.5	2824.1	2798.5	2773.0	2766.5	2701.2	2614.3	2570.7	2542.3
160°	2738.5	2742.2	2757.0	2771.7	2757.0	2742.2	2738.5	2682.5	2608.0	2570.7	2548.2
162.5°	2712.3	2715.8	2729.8	2743.8	2729.8	2715.8	2712.3	2665.2	2602.2	2570.7	2554.4
165°	2672.1	2675.8	2690.6	2705.3	2690.6	2675.8	2672.1	2638.3	2593.3	2570.7	2563.4
167.5°	2654.6	2656.2	2662.4	2668.6	2662.4	2656.2	2654.6	2632.5	2603.0	2588.2	2582.0
170°	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2632.5	2603.0	2588.2	2587.8
172.5°	2640.7	2639.3	2633.9	2628.5	2633.9	2639.3	2640.7	2623.2	2599.9	2588.2	2588.2
175°	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2610.3	2595.6	2588.2	2591.8
177.5°	2617.9	2616.3	2610.2	2604.0	2610.2	2616.3	2617.9	2609.2	2597.5	2591.8	2594.5
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4950.2	4973.9	4988.1	5007.1	5054.5
5°	4760.5	4850.6	4879.0	4950.2	5035.5
7.5°	4343.3	4618.3	4694.1	4864.8	4997.6
10°	3940.3	4215.2	4348.0	4751.1	4950.2
12.5°	3736.4	3897.6	3987.6	4551.8	4883.8
15°	3608.3	3722.1	3788.5	4286.3	4808.0
17.5°	3508.8	3589.4	3636.8	4025.5	4703.6
20°	3447.1	3485.0	3527.7	3835.9	4585.1
22.5°	3404.4	3380.7	3414.0	3703.1	4423.9
25°	3375.9	3285.9	3323.8	3598.8	4234.2
27.5°	3399.7	3200.5	3214.7	3504.0	4035.1
30°	3404.4	3096.2	3101.0	3404.4	3812.2
32.5°	3371.3	2987.2	2991.9	3281.1	3560.9
35°	3290.7	2859.2	2854.4	3138.9	3219.5
37.5°	3181.6	2721.7	2721.7	2982.4	2845.0
40°	3048.9	2584.1	2598.4	2778.6	2513.0
42.5°	2887.6	2437.2	2456.1	2508.3	2266.4
45°	2712.1	2294.9	2309.1	2119.4	2076.7
47.5°	2517.8	2147.9	2152.7	1759.1	2015.2
50°	2285.4	1996.1	1977.2	1507.8	2010.4
52.5°	2081.5	1830.3	1773.3	1365.6	1825.5
55°	1882.4	1654.8	1531.5	1256.5	1692.7
57.5°	1707.0	1427.2	1308.6	1128.5	1664.3
60°	1545.8	1204.4	1114.3	991.0	1526.8
62.5°	1413.0	1038.4	1019.5	896.2	1384.6
65°	1270.7	924.6	919.9	815.6	1175.9
67.5°	1133.2	848.7	844.0	739.6	896.2
70°	986.2	768.1	758.7	659.0	663.8
72.5°	834.5	678.1	668.6	592.7	550.0
75°	682.8	573.8	569.0	516.8	445.7
77.5°	535.8	455.2	464.7	417.2	327.2
80°	384.1	331.9	341.4	298.7	246.6
82.5°	256.0	218.1	227.6	189.7	166.0
85°	142.2	123.3	128.1	99.6	75.8
87.5°	66.4	56.9	56.9	37.9	23.7
90°	76.9	48.9	45.5	31.5	17.5
92.5°	474.2	337.3	307.6	188.7	69.9
95°	1166.8	657.1	602.7	385.2	167.7
97.5°	1571.7	721.8	673.8	481.9	290.1
100°	1719.1	776.0	732.4	558.4	384.4
102.5°	1786.6	830.1	789.5	627.2	464.9
105°	1836.8	910.6	876.2	738.7	601.2
107.5°	1846.1	1029.4	997.3	869.2	741.0
110°	1832.1	1095.8	1066.8	951.1	835.4



TEST NUMBER: P936181

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1832.7	1176.2	1148.6	1038.3	928.0
115°	1849.6	1296.8	1271.4	1169.6	1067.8
117.5°	1883.9	1413.8	1390.7	1298.3	1205.9
120°	1911.9	1482.0	1460.2	1373.3	1286.2
122.5°	1952.2	1562.4	1540.4	1452.7	1364.9
125°	2006.3	1665.5	1645.5	1565.5	1485.5
127.5°	2060.4	1765.1	1744.9	1664.1	1583.3
130°	2100.0	1831.5	1809.7	1722.8	1635.8
132.5°	2132.0	1885.7	1863.9	1776.9	1690.0
135°	2167.1	1948.6	1928.8	1849.5	1770.3
137.5°	2219.5	2029.0	2009.4	1931.0	1852.5
140°	2251.5	2083.2	2065.2	1992.9	1920.7
142.5°	2278.3	2123.4	2106.6	2039.9	1973.1
145°	2313.2	2184.5	2170.0	2111.8	2053.5
147.5°	2364.5	2261.4	2247.2	2190.5	2133.8
150°	2391.3	2301.7	2288.9	2237.6	2186.3
152.5°	2408.8	2327.8	2318.1	2279.3	2240.5
155°	2447.3	2385.5	2378.3	2349.7	2320.9
157.5°	2485.7	2443.2	2436.2	2408.2	2380.3
160°	2503.2	2469.4	2464.0	2442.2	2420.5
162.5°	2521.8	2497.3	2493.2	2477.0	2460.6
165°	2548.6	2537.6	2533.8	2519.1	2504.3
167.5°	2569.6	2560.3	2558.5	2551.6	2544.6
170°	2587.1	2586.5	2584.8	2577.7	2570.7
172.5°	2588.2	2588.2	2587.8	2586.2	2584.8
175°	2598.8	2604.0	2604.0	2604.0	2604.0
177.5°	2599.9	2604.0	2604.0	2604.0	2604.0
180°	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P936181  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-5000K

**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	13.70	14.51	14.72	15.53	16.89	16.56	17.36	17.57	18.38	19.74
	3H	14.18	14.90	15.20	15.93	17.31	17.90	18.63	18.92	19.66	21.04
	4H	14.37	15.05	15.40	16.08	17.47	18.35	19.03	19.38	20.07	21.45
	6H	14.48	15.11	15.53	16.15	17.55	18.64	19.27	19.68	20.30	21.70
	8H	14.48	15.08	15.53	16.13	17.53	18.71	19.31	19.76	20.36	21.76
	12H	14.45	15.02	15.50	16.07	17.49	18.75	19.32	19.81	20.37	21.79
4H	2H	14.73	15.42	15.78	16.45	17.84	16.96	17.64	18.00	18.67	20.06
	3H	15.76	16.33	16.81	17.39	18.79	18.46	19.03	19.51	20.09	21.50
	4H	16.03	16.55	17.09	17.60	19.03	18.99	19.52	20.05	20.57	21.99
	6H	16.15	16.60	17.22	17.68	19.10	19.36	19.81	20.43	20.89	22.30
	8H	16.16	16.58	17.22	17.64	19.08	19.47	19.89	20.54	20.96	22.39
	12H	16.12	16.50	17.20	17.58	19.02	19.53	19.91	20.61	20.99	22.43
8H	4H	16.48	16.90	17.55	17.97	19.40	19.11	19.53	20.18	20.60	22.03
	6H	16.74	17.09	17.83	18.20	19.63	19.55	19.90	20.64	21.01	22.44
	8H	16.78	17.09	17.88	18.18	19.63	19.71	20.01	20.80	21.10	22.56
	12H	16.77	17.03	17.87	18.12	19.61	19.81	20.08	20.91	21.16	22.65
12H	4H	16.49	16.87	17.57	17.95	19.39	19.08	19.45	20.16	20.54	21.98
	6H	16.80	17.11	17.90	18.20	19.65	19.55	19.85	20.65	20.95	22.40
	8H	16.87	17.14	17.97	18.22	19.71	19.71	19.98	20.81	21.07	22.56