

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: P936178

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

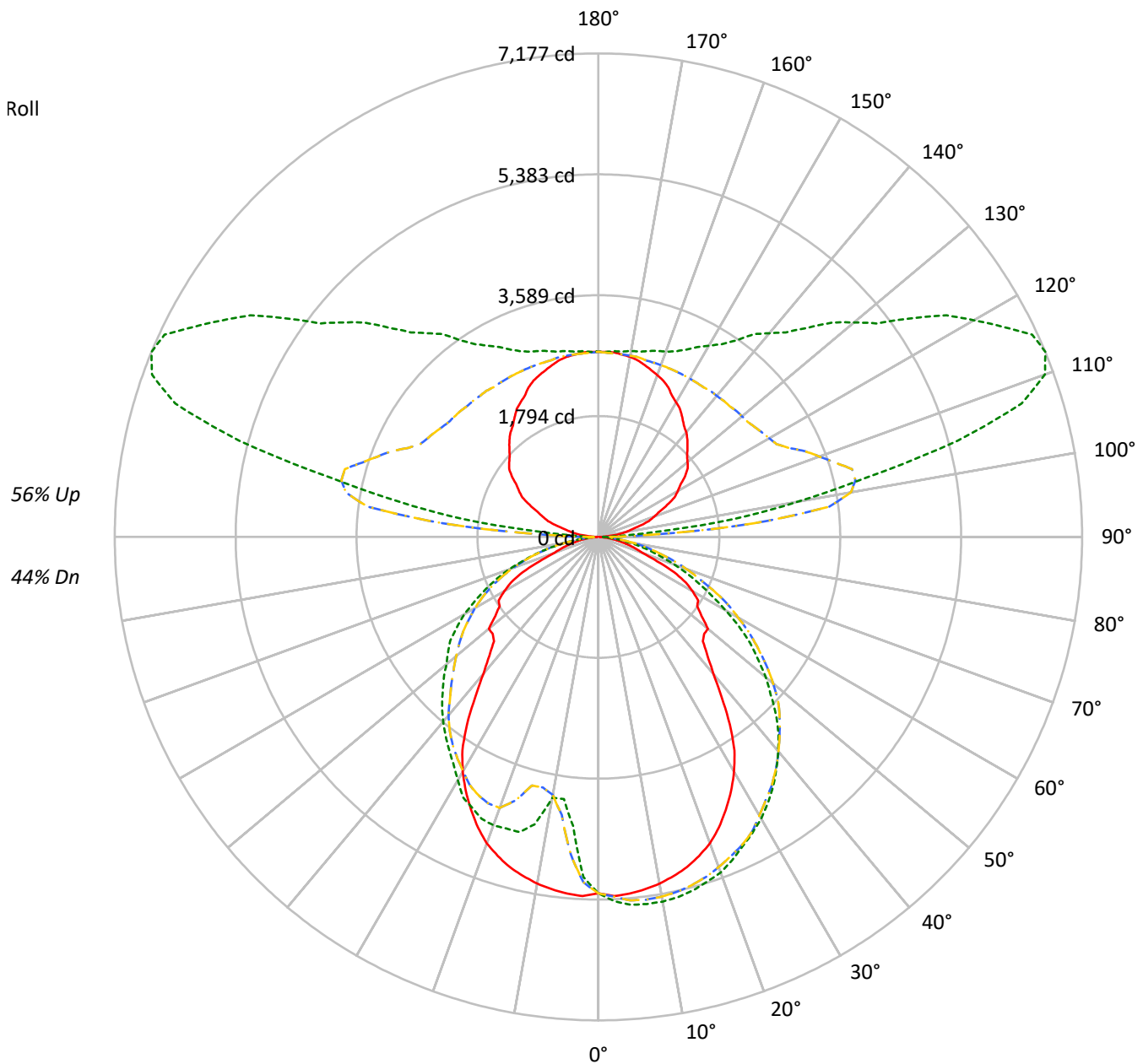
Test Method: LM-79-2019  
Report Number: P936178  
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31549.0 lumens  
Efficiency: N/A  
Efficacy: 126.4 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: P936178  
CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

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

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

	0°	90°	180°	270°
0°	16365	16365	16365	16365
5°	16493	16520	16493	12990
10°	16389	16273	16389	11634
15°	16217	15920	16217	13294
20°	15884	15502	15884	13321
25°	15196	14893	15196	13039
30°	14305	14387	14305	12420
35°	12759	13748	12759	11738
40°	10637	12995	10637	11223
45°	9511	12113	9511	10632
50°	10113	11062	10113	10038
55°	9523	9930	9523	9694
60°	9829	8433	9829	8879
65°	8926	6971	8926	7792
70°	6196	5555	6196	6532
75°	5453	4106	5453	4917
80°	4427	2715	4427	2956
85°	2595	1439	2595	1222

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14568 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	477.6	1.5
10°-20°	1356.0	4.3
20°-30°	2096.2	6.6
30°-40°	2502.4	7.9
40°-50°	2517.0	8.0
50°-60°	2190.1	6.9
60°-70°	1552.8	4.9
70°-80°	821.5	2.6
80°-90°	215.1	0.7
90°-100°	1340.0	4.2
100°-110°	3522.9	11.2
110°-120°	3652.8	11.6
120°-130°	2930.0	9.3
130°-140°	2299.0	7.3
140°-150°	1764.6	5.6
150°-160°	1270.8	4.0
160°-170°	777.5	2.5
170°-180°	262.7	0.8
0°-30°	3929.8	12.5
0°-40°	6432.1	20.4
0°-60°	11139.3	35.3
0°-90°	13728.7	43.5
90°-120°	8515.7	27.0
90°-150°	15509.3	49.2
90°-180°	17820.0	56.5
0°-180°	31549.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5291	5291	5291	5291	5291	
5°	5316	5481	5316	4310	5316	504
15°	5076	5431	5076	4535	5076	1428
25°	4470	5066	4470	4435	4470	2052
35°	3399	4520	3399	3859	3399	2103
45°	2192	3724	2192	3269	2192	1756
55°	1787	2748	1787	2683	1787	1642
65°	1241	1657	1241	1852	1241	1186
75°	470	786	470	941	470	495
85°	80	200	80	170	80	108
90°	18	70	18	70	18	19
95°	177	810	177	810	177	197
105°	635	5516	635	5516	635	673
115°	1127	7103	1127	7103	1127	1113
125°	1568	5657	1568	5657	1568	1392
135°	1869	4389	1869	4389	1869	1446
145°	2168	3561	2168	3561	2168	1358
155°	2450	3066	2450	3066	2450	1126
165°	2644	2856	2644	2856	2644	746
175°	2749	2767	2749	2767	2749	261
180°	2749	2749	2749	2749	2749	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5335.9	5335.9	5365.9	5376.0	5376.0	5360.9	5345.9	5360.9	5405.9	5421.0	5416.0
5°	5315.8	5356.0	5411.0	5421.0	5431.0	5426.0	5416.0	5426.0	5476.0	5486.1	5491.0
7.5°	5275.8	5350.9	5421.0	5436.0	5451.0	5436.0	5431.0	5441.0	5491.0	5501.1	5501.1
10°	5225.8	5330.9	5411.0	5421.0	5436.0	5421.0	5421.0	5441.0	5491.0	5501.1	5506.1
12.5°	5155.7	5300.8	5376.0	5385.9	5405.9	5400.9	5396.0	5416.0	5466.0	5476.0	5476.0
15°	5075.6	5245.8	5315.8	5325.9	5360.9	5350.9	5350.9	5370.9	5426.0	5441.0	5436.0
17.5°	4965.5	5175.7	5255.8	5270.9	5295.8	5290.9	5295.8	5315.8	5365.9	5376.0	5380.9
20°	4840.4	5080.6	5175.7	5190.7	5215.7	5215.7	5215.7	5240.8	5290.9	5310.9	5310.9
22.5°	4670.2	4980.5	5080.6	5090.6	5120.7	5120.7	5130.7	5165.7	5210.7	5215.7	5215.7
25°	4469.9	4870.3	4955.4	4985.5	5015.6	5030.6	5045.6	5065.6	5080.6	5075.6	5080.6
27.5°	4259.7	4730.2	4840.4	4860.4	4900.4	4915.4	4935.4	4940.5	4945.5	4960.5	4950.5
30°	4024.5	4535.0	4700.2	4720.2	4785.3	4795.3	4775.3	4785.3	4810.3	4820.4	4830.3
32.5°	3759.1	4244.7	4555.0	4600.1	4660.1	4630.2	4625.1	4640.1	4680.1	4680.1	4690.2
35°	3398.7	4019.4	4419.8	4459.9	4504.9	4469.9	4489.9	4495.0	4520.0	4535.0	4530.0
37.5°	3003.4	3824.2	4279.7	4309.8	4344.8	4299.7	4329.8	4344.8	4364.8	4354.8	4354.8
40°	2652.9	3518.8	4114.6	4134.6	4164.6	4129.6	4159.6	4169.6	4179.7	4169.6	4164.6
42.5°	2392.6	3183.5	3939.4	3964.4	3944.4	3969.3	3979.4	3999.4	3984.4	3964.4	3964.4
45°	2192.4	3093.4	3749.2	3779.1	3749.2	3789.2	3804.2	3804.2	3759.1	3749.2	3744.1
47.5°	2127.4	2913.2	3559.0	3559.0	3543.9	3594.0	3619.0	3583.9	3539.0	3523.9	3523.9
50°	2122.4	2713.0	3298.7	3278.6	3348.7	3408.8	3383.8	3348.7	3313.7	3258.6	3258.6
52.5°	1927.1	2467.8	2963.2	3038.4	3148.5	3183.5	3143.5	3108.5	3048.3	3023.4	3003.4
55°	1786.9	2212.5	2658.0	2808.1	2923.2	2968.3	2893.2	2858.1	2768.1	2753.0	2743.1
57.5°	1757.0	1842.0	2377.6	2567.8	2708.0	2703.0	2658.0	2592.9	2517.8	2502.8	2497.7
60°	1611.8	1331.5	2077.3	2302.5	2447.7	2432.7	2392.6	2332.6	2262.5	2252.5	2242.5
62.5°	1461.6	966.1	1736.9	1992.2	2197.4	2192.4	2157.4	2067.2	2017.3	1992.2	1972.2
65°	1241.4	810.9	1236.3	1656.9	1952.2	1962.1	1887.1	1822.0	1766.9	1736.9	1731.9
67.5°	946.1	660.7	835.9	1381.5	1716.9	1706.9	1611.8	1581.7	1511.6	1496.6	1466.6
70°	700.8	440.4	580.7	1121.3	1486.6	1461.6	1386.5	1351.5	1286.4	1251.3	1231.3
72.5°	580.7	355.4	425.5	870.9	1251.3	1221.4	1156.3	1116.3	1061.1	1031.2	1011.1
75°	470.5	375.4	325.4	645.7	1016.1	996.1	936.0	896.0	850.9	810.9	815.9
77.5°	345.4	350.4	260.3	475.5	805.9	775.9	740.8	690.8	670.8	630.7	630.7
80°	260.3	275.3	195.2	325.4	580.7	580.7	550.6	515.6	480.6	460.5	460.5
82.5°	175.2	175.2	145.1	205.2	395.5	380.4	360.4	350.4	330.4	320.4	320.4
85°	80.1	100.1	90.1	125.1	215.2	225.2	225.2	215.2	210.2	200.3	205.2
87.5°	25.0	45.1	55.0	70.1	110.1	115.2	120.1	120.1	120.1	125.1	125.1
90°	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5	70.1	70.1
92.5°	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8	350.5	336.6
95°	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7	1190.0	1147.8
97.5°	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6	2747.1	2666.7
100°	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5	3857.7	3762.0
102.5°	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9	4806.1	4724.0
105°	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2	5912.9	5868.9
107.5°	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1	6488.6	6499.2
110°	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1	6636.2	6682.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4	6542.1	6612.6
115°	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5	6222.9	6320.8
117.5°	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5	5782.0	5890.5
120°	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9	5484.9	5590.3
122.5°	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8	5187.9	5291.9
125°	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5	4794.9	4890.7
127.5°	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3	4479.5	4560.2
130°	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5	4280.2	4354.9
132.5°	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1	4110.5	4177.4
135°	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8	3870.6	3928.2
137.5°	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4	3693.6	3740.7
140°	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4	3551.5	3595.5
142.5°	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0	3451.9	3489.8
145°	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2	3302.4	3331.1
147.5°	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6	3177.0	3200.8
150°	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7	3105.0	3124.2
152.5°	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5	3047.8	3062.4
155°	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1	2979.6	2989.3
157.5°	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6	2920.5	2927.3
160°	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9	2891.0	2894.9
162.5°	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6	2863.3	2867.0
165°	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2	2820.8	2824.8
167.5°	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0	2802.4	2804.1
170°	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0	2802.4	2802.4
172.5°	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3	2787.7	2786.2
175°	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7	2767.4	2767.4
177.5°	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5	2763.7	2762.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5426.0	5411.0	5426.0	5416.0	5421.0	5405.9	5360.9	5345.9	5360.9	5376.0	5376.0
5°	5491.0	5481.1	5491.0	5491.0	5486.1	5476.0	5426.0	5416.0	5426.0	5431.0	5421.0
7.5°	5511.0	5496.1	5511.0	5501.1	5501.1	5491.0	5441.0	5431.0	5436.0	5451.0	5436.0
10°	5511.0	5496.1	5511.0	5506.1	5501.1	5491.0	5441.0	5421.0	5421.0	5436.0	5421.0
12.5°	5486.1	5476.0	5486.1	5476.0	5476.0	5466.0	5416.0	5396.0	5400.9	5405.9	5385.9
15°	5446.0	5431.0	5446.0	5436.0	5441.0	5426.0	5370.9	5350.9	5350.9	5360.9	5325.9
17.5°	5385.9	5365.9	5385.9	5380.9	5376.0	5365.9	5315.8	5295.8	5290.9	5295.8	5270.9
20°	5315.8	5300.8	5315.8	5310.9	5310.9	5290.9	5240.8	5215.7	5215.7	5215.7	5190.7
22.5°	5205.8	5190.7	5205.8	5215.7	5215.7	5210.7	5165.7	5130.7	5120.7	5120.7	5090.6
25°	5080.6	5065.6	5080.6	5080.6	5075.6	5080.6	5065.6	5045.6	5030.6	5015.6	4985.5
27.5°	4960.5	4950.5	4960.5	4950.5	4960.5	4945.5	4940.5	4935.4	4915.4	4900.4	4860.4
30°	4840.4	4830.3	4840.4	4830.3	4820.4	4810.3	4785.3	4775.3	4795.3	4785.3	4720.2
32.5°	4690.2	4680.1	4690.2	4690.2	4680.1	4680.1	4640.1	4625.1	4630.2	4660.1	4600.1
35°	4535.0	4520.0	4535.0	4530.0	4535.0	4520.0	4495.0	4489.9	4469.9	4504.9	4459.9
37.5°	4354.8	4339.8	4354.8	4354.8	4354.8	4364.8	4344.8	4329.8	4299.7	4344.8	4309.8
40°	4169.6	4149.6	4169.6	4164.6	4169.6	4179.7	4169.6	4159.6	4129.6	4164.6	4134.6
42.5°	3959.4	3954.4	3959.4	3964.4	3964.4	3984.4	3999.4	3979.4	3969.3	3944.4	3964.4
45°	3734.1	3724.1	3734.1	3744.1	3749.2	3759.1	3804.2	3804.2	3789.2	3749.2	3779.1
47.5°	3493.9	3468.8	3493.9	3523.9	3523.9	3539.0	3583.9	3619.0	3594.0	3543.9	3559.0
50°	3238.6	3243.5	3238.6	3258.6	3258.6	3313.7	3348.7	3383.8	3408.8	3348.7	3278.6
52.5°	2988.3	2983.3	2988.3	3003.4	3023.4	3048.3	3108.5	3143.5	3183.5	3148.5	3038.4
55°	2738.0	2748.1	2738.0	2743.1	2753.0	2768.1	2858.1	2893.2	2968.3	2923.2	2808.1
57.5°	2487.8	2472.7	2487.8	2497.7	2502.8	2517.8	2592.9	2658.0	2703.0	2708.0	2567.8
60°	2197.4	2177.4	2197.4	2242.5	2252.5	2262.5	2332.6	2392.6	2432.7	2447.7	2302.5
62.5°	1942.1	1907.1	1942.1	1972.2	1992.2	2017.3	2067.2	2157.4	2192.4	2197.4	1992.2
65°	1671.9	1656.9	1671.9	1731.9	1736.9	1766.9	1822.0	1887.1	1962.1	1952.2	1656.9
67.5°	1426.5	1426.5	1426.5	1466.6	1496.6	1511.6	1581.7	1611.8	1706.9	1716.9	1381.5
70°	1201.3	1196.3	1201.3	1231.3	1251.3	1286.4	1351.5	1386.5	1461.6	1486.6	1121.3
72.5°	986.1	981.1	986.1	1011.1	1031.2	1061.1	1116.3	1156.3	1221.4	1251.3	870.9
75°	795.9	785.8	795.9	815.9	810.9	850.9	896.0	936.0	996.1	1016.1	645.7
77.5°	610.6	610.6	610.6	630.7	630.7	670.8	690.8	740.8	775.9	805.9	475.5
80°	455.5	450.5	455.5	460.5	460.5	480.6	515.6	550.6	580.7	580.7	325.4
82.5°	320.4	310.3	320.4	320.4	320.4	330.4	350.4	360.4	380.4	395.5	205.2
85°	200.3	200.3	200.3	205.2	200.3	210.2	215.2	225.2	225.2	215.2	125.1
87.5°	130.2	125.1	130.2	125.1	125.1	120.1	120.1	120.1	115.2	110.1	70.1
90°	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5	81.1	51.7
92.5°	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3	500.6	356.0
95°	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3	1231.8	693.7
97.5°	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6	1659.2	762.0
100°	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3	1814.8	819.2
102.5°	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5	1886.1	876.4
105°	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8	1939.1	961.3
107.5°	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4	1948.8	1086.7
110°	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5	1934.1	1156.8





TEST NUMBER: P936178

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8	1934.7	1241.7
115°	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7	1952.6	1369.0
117.5°	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5	1988.8	1492.5
120°	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5	2018.3	1564.5
122.5°	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4	2060.8	1649.4
125°	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7	2118.0	1758.2
127.5°	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9	2175.1	1863.3
130°	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0	2216.9	1933.4
132.5°	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6	2250.7	1990.6
135°	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3	2287.7	2057.1
137.5°	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1	2343.0	2142.0
140°	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8	2376.9	2199.2
142.5°	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3	2405.1	2241.6
145°	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3	2442.0	2306.2
147.5°	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3	2496.2	2387.3
150°	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8	2524.5	2429.8
152.5°	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9	2542.9	2457.4
155°	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4	2583.5	2518.3
157.5°	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9	2624.0	2579.2
160°	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1	2642.6	2606.9
162.5°	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6	2662.2	2636.4
165°	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1	2690.5	2678.9
167.5°	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8	2712.7	2702.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9	2731.1	2730.5
172.5°	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1	2743.4	2749.0
177.5°	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9	2744.6	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936178

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5365.9	5335.9	5335.9	5285.8	5265.8	5250.8	5225.8	5150.7	5130.7	5110.6	5140.7
5°	5411.0	5356.0	5315.8	5225.8	5150.7	5120.7	5025.5	4845.3	4725.2	4635.1	4585.1
7.5°	5421.0	5350.9	5275.8	5135.7	4955.4	4875.4	4585.1	4254.7	4164.6	4084.5	4034.4
10°	5411.0	5330.9	5225.8	5015.6	4590.0	4449.9	4159.6	3944.4	3889.3	3874.3	3889.3
12.5°	5376.0	5300.8	5155.7	4805.3	4209.6	4114.6	3944.4	3819.2	3809.2	3834.3	3969.3
15°	5315.8	5245.8	5075.6	4525.0	3999.4	3929.3	3809.2	3764.2	3819.2	3994.4	4399.8
17.5°	5255.8	5175.7	4965.5	4249.7	3839.3	3789.2	3704.1	3794.2	4104.5	4339.8	4475.0
20°	5175.7	5080.6	4840.4	4049.5	3724.1	3679.1	3639.0	4044.5	4279.7	4364.8	4439.9
22.5°	5080.6	4980.5	4670.2	3909.3	3604.0	3568.9	3594.0	4184.6	4279.7	4339.8	4404.9
25°	4955.4	4870.3	4469.9	3799.2	3508.9	3468.8	3563.9	4169.6	4224.6	4239.7	4369.9
27.5°	4840.4	4730.2	4259.7	3699.1	3393.7	3378.7	3588.9	4104.5	4144.6	4159.6	4299.7
30°	4700.2	4535.0	4024.5	3594.0	3273.6	3268.6	3594.0	4024.5	4014.4	4054.4	4194.6
32.5°	4555.0	4244.7	3759.1	3463.8	3158.5	3153.5	3559.0	3904.3	3894.3	3949.3	4054.4
35°	4419.8	4019.4	3398.7	3313.7	3013.3	3018.3	3473.9	3764.2	3769.2	3819.2	3884.2
37.5°	4279.7	3824.2	3003.4	3148.5	2873.2	2873.2	3358.7	3634.0	3624.0	3639.0	3729.2
40°	4114.6	3518.8	2652.9	2933.3	2743.1	2728.0	3218.6	3493.9	3458.8	3453.9	3579.0
42.5°	3939.4	3183.5	2392.6	2647.9	2592.9	2572.9	3048.3	3323.7	3258.6	3273.6	3433.7
45°	3749.2	3093.4	2192.4	2237.4	2437.7	2422.7	2863.1	3128.5	3083.4	3123.5	3288.6
47.5°	3559.0	2913.2	2127.4	1857.0	2272.5	2267.5	2658.0	2938.3	2913.2	2953.3	3128.5
50°	3298.7	2713.0	2122.4	1591.8	2087.3	2107.3	2412.6	2753.0	2753.0	2788.1	2973.3
52.5°	2963.2	2467.8	1927.1	1441.6	1872.0	1932.2	2197.4	2592.9	2602.8	2637.9	2803.1
55°	2658.0	2212.5	1786.9	1326.5	1616.7	1746.9	1987.2	2427.6	2447.7	2482.7	2632.9
57.5°	2377.6	1842.0	1757.0	1191.3	1381.5	1506.7	1802.0	2267.5	2277.6	2307.5	2452.7
60°	2077.3	1331.5	1611.8	1046.1	1176.3	1271.4	1631.8	2077.3	2112.3	2132.3	2257.4
62.5°	1736.9	966.1	1461.6	946.1	1076.2	1096.2	1491.6	1897.1	1942.1	1957.1	2032.2
65°	1236.3	810.9	1241.4	861.0	971.1	976.0	1341.5	1711.9	1751.9	1777.0	1832.0
67.5°	835.9	660.7	946.1	780.8	890.9	896.0	1196.3	1496.6	1551.7	1571.8	1606.8
70°	580.7	440.4	700.8	695.7	800.9	810.9	1041.1	1301.4	1351.5	1366.5	1386.5
72.5°	425.5	355.4	580.7	625.7	705.8	715.8	881.0	1081.1	1131.2	1146.2	1156.3
75°	325.4	375.4	470.5	545.6	600.7	605.7	720.8	881.0	916.0	926.1	931.0
77.5°	260.3	350.4	345.4	440.4	490.5	480.6	565.7	680.7	710.8	710.8	710.8
80°	195.2	275.3	260.3	315.3	360.4	350.4	405.4	485.5	495.6	505.5	500.6
82.5°	145.1	175.2	175.2	200.3	240.3	230.2	270.3	315.3	315.3	315.3	325.4
85°	90.1	100.1	80.1	105.1	135.2	130.2	150.2	170.2	175.2	175.2	165.2
87.5°	55.0	45.1	25.0	40.0	60.0	60.0	70.1	75.0	70.1	70.1	70.1
90°	48.0	33.2	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5
92.5°	324.7	199.2	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8
95°	636.3	406.6	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7
97.5°	711.3	508.8	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6
100°	773.2	589.5	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5
102.5°	833.5	662.1	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9
105°	925.0	779.8	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2
107.5°	1052.9	917.6	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1
110°	1126.2	1004.0	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1



TEST NUMBER: P936178

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1212.6	1096.1	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4
115°	1342.1	1234.7	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5
117.5°	1468.2	1370.5	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5
120°	1541.5	1449.7	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9
122.5°	1626.2	1533.5	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8
125°	1737.1	1652.6	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5
127.5°	1842.0	1756.8	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3
130°	1910.5	1818.7	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5
132.5°	1967.7	1875.9	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1
135°	2036.2	1952.5	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8
137.5°	2121.3	2038.5	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4
140°	2180.1	2103.8	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4
142.5°	2223.9	2153.4	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0
145°	2290.8	2229.3	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2
147.5°	2372.3	2312.5	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6
150°	2416.3	2362.2	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7
152.5°	2447.2	2406.2	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5
155°	2510.8	2480.5	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1
157.5°	2571.8	2542.3	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6
160°	2601.2	2578.2	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9
162.5°	2632.0	2614.9	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6
165°	2674.9	2659.3	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2
167.5°	2700.9	2693.7	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0
170°	2728.7	2721.3	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0
172.5°	2731.9	2730.2	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3
175°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7
177.5°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936178

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5105.6	5090.6	5110.6	5055.6	5110.6	5090.6	5105.6	5140.7	5110.6	5130.7	5150.7
5°	4480.0	4454.9	4374.8	4309.8	4374.8	4454.9	4480.0	4585.1	4635.1	4725.2	4845.3
7.5°	4004.4	3984.4	3964.4	3924.4	3964.4	3984.4	4004.4	4034.4	4084.5	4164.6	4254.7
10°	3899.3	3904.3	3934.3	3929.3	3934.3	3904.3	3899.3	3889.3	3874.3	3889.3	3944.4
12.5°	4169.6	4214.7	4379.8	4369.9	4379.8	4214.7	4169.6	3969.3	3834.3	3809.2	3819.2
15°	4480.0	4495.0	4530.0	4535.0	4530.0	4495.0	4480.0	4399.8	3994.4	3819.2	3764.2
17.5°	4510.0	4515.0	4540.0	4540.0	4540.0	4515.0	4510.0	4475.0	4339.8	4104.5	3794.2
20°	4484.9	4495.0	4545.1	4555.0	4545.1	4495.0	4484.9	4439.9	4364.8	4279.7	4044.5
22.5°	4475.0	4495.0	4535.0	4530.0	4535.0	4495.0	4475.0	4404.9	4339.8	4279.7	4184.6
25°	4424.9	4424.9	4429.9	4434.9	4429.9	4424.9	4424.9	4369.9	4239.7	4224.6	4169.6
27.5°	4319.8	4329.8	4359.8	4354.8	4359.8	4329.8	4319.8	4299.7	4159.6	4144.6	4104.5
30°	4224.6	4214.7	4189.6	4169.6	4189.6	4214.7	4224.6	4194.6	4054.4	4014.4	4024.5
32.5°	4064.5	4039.4	4014.4	3999.4	4014.4	4039.4	4064.5	4054.4	3949.3	3894.3	3904.3
35°	3874.3	3879.3	3874.3	3859.3	3874.3	3879.3	3874.3	3884.2	3819.2	3769.2	3764.2
37.5°	3739.1	3749.2	3744.1	3724.1	3744.1	3749.2	3739.1	3729.2	3639.0	3624.0	3634.0
40°	3599.0	3604.0	3599.0	3583.9	3599.0	3604.0	3599.0	3579.0	3453.9	3458.8	3493.9
42.5°	3463.8	3458.8	3443.8	3433.7	3443.8	3458.8	3463.8	3433.7	3273.6	3258.6	3323.7
45°	3308.6	3313.7	3283.6	3268.6	3283.6	3313.7	3308.6	3288.6	3123.5	3083.4	3128.5
47.5°	3153.5	3153.5	3128.5	3113.4	3128.5	3153.5	3153.5	3128.5	2953.3	2913.2	2938.3
50°	2988.3	2983.3	2948.2	2943.2	2948.2	2983.3	2988.3	2973.3	2788.1	2753.0	2753.0
52.5°	2798.1	2798.1	2803.1	2813.1	2803.1	2798.1	2798.1	2803.1	2637.9	2602.8	2592.9
55°	2632.9	2637.9	2672.9	2683.0	2672.9	2637.9	2632.9	2632.9	2482.7	2447.7	2427.6
57.5°	2462.7	2462.7	2487.8	2487.8	2487.8	2462.7	2462.7	2452.7	2307.5	2277.6	2267.5
60°	2267.5	2277.6	2297.6	2292.5	2297.6	2277.6	2267.5	2257.4	2132.3	2112.3	2077.3
62.5°	2062.3	2072.3	2077.3	2067.2	2077.3	2072.3	2062.3	2032.2	1957.1	1942.1	1897.1
65°	1847.1	1857.0	1862.1	1852.0	1862.1	1857.0	1847.1	1832.0	1777.0	1751.9	1711.9
67.5°	1626.8	1621.8	1616.7	1636.8	1616.7	1621.8	1626.8	1606.8	1571.8	1551.7	1496.6
70°	1401.5	1401.5	1396.6	1406.5	1396.6	1401.5	1401.5	1386.5	1366.5	1351.5	1301.4
72.5°	1161.3	1156.3	1176.3	1161.3	1176.3	1156.3	1161.3	1156.3	1146.2	1131.2	1081.1
75°	926.1	936.0	926.1	941.0	926.1	936.0	926.1	931.0	926.1	916.0	881.0
77.5°	705.8	715.8	705.8	705.8	705.8	715.8	705.8	710.8	710.8	710.8	680.7
80°	500.6	495.6	495.6	490.5	495.6	495.6	500.6	500.6	505.5	495.6	485.5
82.5°	320.4	315.3	315.3	325.4	315.3	315.3	320.4	325.4	315.3	315.3	315.3
85°	175.2	180.2	170.2	170.2	170.2	180.2	175.2	165.2	175.2	175.2	170.2
87.5°	65.1	60.0	60.0	60.0	60.0	60.0	65.1	70.1	70.1	70.1	75.0
90°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5
92.5°	350.5	336.6	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3
95°	1190.0	1147.8	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3
97.5°	2747.1	2666.7	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6
100°	3857.7	3762.0	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3
102.5°	4806.1	4724.0	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5
105°	5912.9	5868.9	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8
107.5°	6488.6	6499.2	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4
110°	6636.2	6682.1	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5



TEST NUMBER: P936178

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6542.1	6612.6	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8
115°	6222.9	6320.8	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7
117.5°	5782.0	5890.5	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5
120°	5484.9	5590.3	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5
122.5°	5187.9	5291.9	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4
125°	4794.9	4890.7	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7
127.5°	4479.5	4560.2	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9
130°	4280.2	4354.9	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0
132.5°	4110.5	4177.4	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6
135°	3870.6	3928.2	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3
137.5°	3693.6	3740.7	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1
140°	3551.5	3595.5	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8
142.5°	3451.9	3489.8	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3
145°	3302.4	3331.1	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3
147.5°	3177.0	3200.8	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3
150°	3105.0	3124.2	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8
152.5°	3047.8	3062.4	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9
155°	2979.6	2989.3	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4
157.5°	2920.5	2927.3	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9
160°	2891.0	2894.9	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1
162.5°	2863.3	2867.0	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6
165°	2820.8	2824.8	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1
167.5°	2802.4	2804.1	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9
172.5°	2787.7	2786.2	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1
177.5°	2763.7	2762.0	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936178

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5225.8	5250.8	5265.8	5285.8	5335.9
5°	5025.5	5120.7	5150.7	5225.8	5315.8
7.5°	4585.1	4875.4	4955.4	5135.7	5275.8
10°	4159.6	4449.9	4590.0	5015.6	5225.8
12.5°	3944.4	4114.6	4209.6	4805.3	5155.7
15°	3809.2	3929.3	3999.4	4525.0	5075.6
17.5°	3704.1	3789.2	3839.3	4249.7	4965.5
20°	3639.0	3679.1	3724.1	4049.5	4840.4
22.5°	3594.0	3568.9	3604.0	3909.3	4670.2
25°	3563.9	3468.8	3508.9	3799.2	4469.9
27.5°	3588.9	3378.7	3393.7	3699.1	4259.7
30°	3594.0	3268.6	3273.6	3594.0	4024.5
32.5°	3559.0	3153.5	3158.5	3463.8	3759.1
35°	3473.9	3018.3	3013.3	3313.7	3398.7
37.5°	3358.7	2873.2	2873.2	3148.5	3003.4
40°	3218.6	2728.0	2743.1	2933.3	2652.9
42.5°	3048.3	2572.9	2592.9	2647.9	2392.6
45°	2863.1	2422.7	2437.7	2237.4	2192.4
47.5°	2658.0	2267.5	2272.5	1857.0	2127.4
50°	2412.6	2107.3	2087.3	1591.8	2122.4
52.5°	2197.4	1932.2	1872.0	1441.6	1927.1
55°	1987.2	1746.9	1616.7	1326.5	1786.9
57.5°	1802.0	1506.7	1381.5	1191.3	1757.0
60°	1631.8	1271.4	1176.3	1046.1	1611.8
62.5°	1491.6	1096.2	1076.2	946.1	1461.6
65°	1341.5	976.0	971.1	861.0	1241.4
67.5°	1196.3	896.0	890.9	780.8	946.1
70°	1041.1	810.9	800.9	695.7	700.8
72.5°	881.0	715.8	705.8	625.7	580.7
75°	720.8	605.7	600.7	545.6	470.5
77.5°	565.7	480.6	490.5	440.4	345.4
80°	405.4	350.4	360.4	315.3	260.3
82.5°	270.3	230.2	240.3	200.3	175.2
85°	150.2	130.2	135.2	105.1	80.1
87.5°	70.1	60.0	60.0	40.0	25.0
90°	81.1	51.7	48.0	33.2	18.4
92.5°	500.6	356.0	324.7	199.2	73.8
95°	1231.8	693.7	636.3	406.6	177.1
97.5°	1659.2	762.0	711.3	508.8	306.3
100°	1814.8	819.2	773.2	589.5	405.8
102.5°	1886.1	876.4	833.5	662.1	490.7
105°	1939.1	961.3	925.0	779.8	634.7
107.5°	1948.8	1086.7	1052.9	917.6	782.3
110°	1934.1	1156.8	1126.2	1004.0	881.9



TEST NUMBER: P936178  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1934.7	1241.7	1212.6	1096.1	979.7
115°	1952.6	1369.0	1342.1	1234.7	1127.3
117.5°	1988.8	1492.5	1468.2	1370.5	1273.0
120°	2018.3	1564.5	1541.5	1449.7	1357.8
122.5°	2060.8	1649.4	1626.2	1533.5	1440.8
125°	2118.0	1758.2	1737.1	1652.6	1568.2
127.5°	2175.1	1863.3	1842.0	1756.8	1671.5
130°	2216.9	1933.4	1910.5	1818.7	1726.9
132.5°	2250.7	1990.6	1967.7	1875.9	1784.1
135°	2287.7	2057.1	2036.2	1952.5	1868.9
137.5°	2343.0	2142.0	2121.3	2038.5	1955.6
140°	2376.9	2199.2	2180.1	2103.8	2027.6
142.5°	2405.1	2241.6	2223.9	2153.4	2082.9
145°	2442.0	2306.2	2290.8	2229.3	2167.8
147.5°	2496.2	2387.3	2372.3	2312.5	2252.6
150°	2524.5	2429.8	2416.3	2362.2	2308.0
152.5°	2542.9	2457.4	2447.2	2406.2	2365.2
155°	2583.5	2518.3	2510.8	2480.5	2450.1
157.5°	2624.0	2579.2	2571.8	2542.3	2512.8
160°	2642.6	2606.9	2601.2	2578.2	2555.2
162.5°	2662.2	2636.4	2632.0	2614.9	2597.6
165°	2690.5	2678.9	2674.9	2659.3	2643.8
167.5°	2712.7	2702.8	2700.9	2693.7	2686.3
170°	2731.1	2730.5	2728.7	2721.3	2713.9
172.5°	2732.3	2732.3	2731.9	2730.2	2728.7
175°	2743.4	2749.0	2749.0	2749.0	2749.0
177.5°	2744.6	2749.0	2749.0	2749.0	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936178  
 CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-12-3000K

**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	13.89	14.70	14.90	15.72	17.08	16.74	17.55	17.75	18.57	19.93
	3H	14.37	15.09	15.39	16.12	17.50	18.09	18.81	19.11	19.84	21.22
	4H	14.55	15.24	15.59	16.27	17.66	18.54	19.22	19.57	20.25	21.64
	6H	14.67	15.30	15.71	16.34	17.74	18.83	19.45	19.87	20.49	21.89
	8H	14.67	15.27	15.72	16.32	17.72	18.90	19.50	19.95	20.55	21.95
	12H	14.64	15.21	15.69	16.25	17.67	18.94	19.51	20.00	20.56	21.98
4H	2H	14.92	15.61	15.96	16.64	18.03	17.15	17.83	18.19	18.86	20.25
	3H	15.95	16.52	16.99	17.58	18.98	18.65	19.22	19.70	20.28	21.68
	4H	16.22	16.74	17.27	17.79	19.22	19.18	19.70	20.24	20.76	22.18
	6H	16.34	16.79	17.41	17.86	19.28	19.55	20.00	20.61	21.07	22.49
	8H	16.35	16.76	17.41	17.83	19.27	19.66	20.08	20.72	21.14	22.58
	12H	16.31	16.69	17.39	17.77	19.21	19.72	20.09	20.80	21.18	22.62
8H	4H	16.67	17.09	17.74	18.16	19.59	19.30	19.72	20.37	20.79	22.22
	6H	16.93	17.28	18.02	18.39	19.82	19.74	20.09	20.83	21.20	22.63
	8H	16.97	17.28	18.07	18.37	19.82	19.90	20.20	20.99	21.29	22.74
	12H	16.95	17.22	18.05	18.31	19.80	20.00	20.26	21.10	21.35	22.84
12H	4H	16.68	17.05	17.76	18.14	19.58	19.26	19.64	20.35	20.72	22.16
	6H	16.99	17.30	18.09	18.39	19.84	19.74	20.04	20.83	21.13	22.59
	8H	17.06	17.32	18.16	18.41	19.90	19.90	20.17	21.00	21.26	22.75