

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: P936129

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936129
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

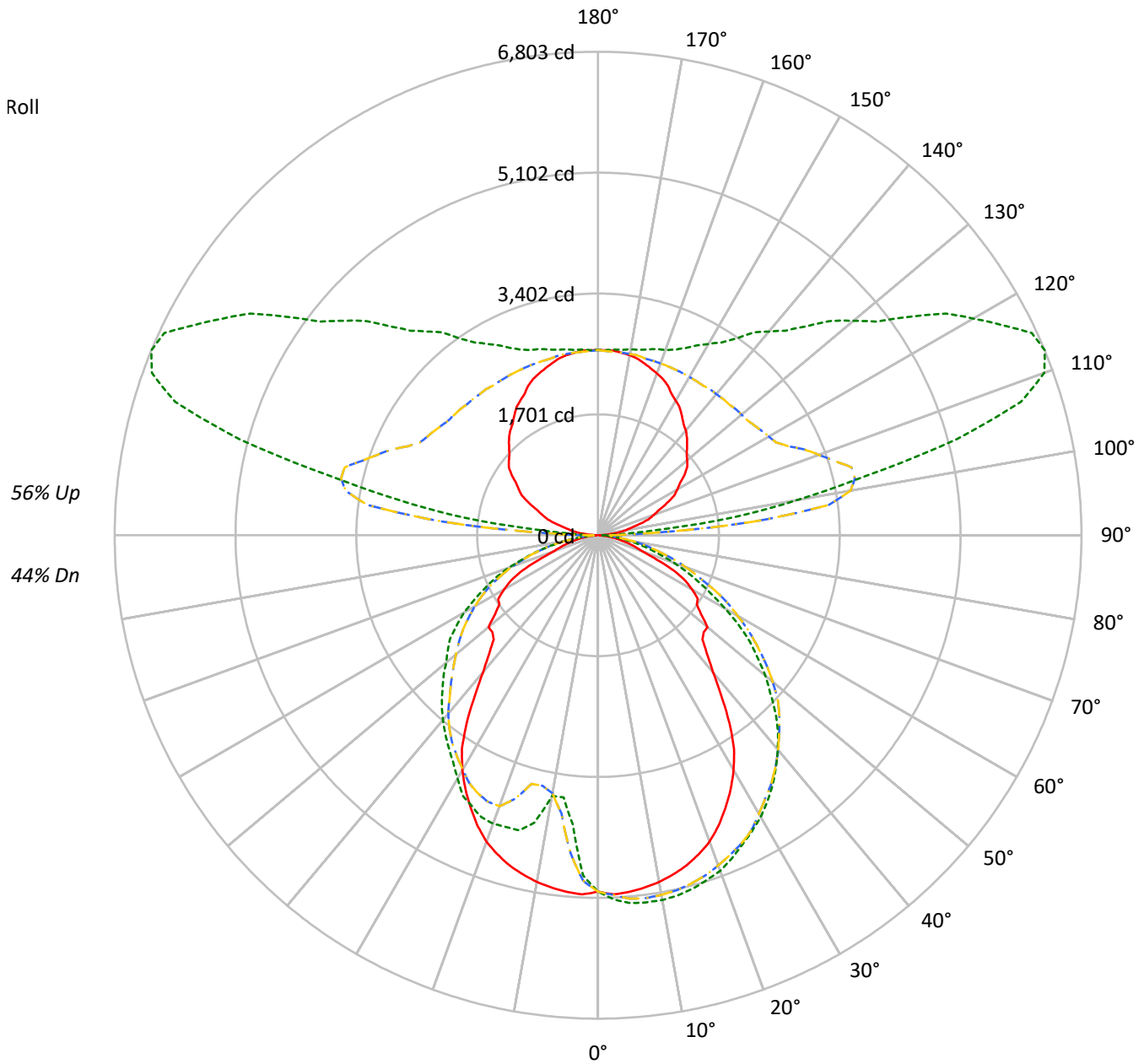
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29907.8 lumens
Efficiency: N/A
Efficacy: 119.8 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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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°	15514	15514	15514	15514
5°	15635	15660	15635	12314
10°	15536	15426	15536	11029
15°	15373	15092	15373	12602
20°	15058	14696	15058	12628
25°	14406	14119	14406	12361
30°	13561	13639	13561	11773
35°	12095	13033	12095	11128
40°	10084	12319	10084	10640
45°	9016	11483	9016	10079
50°	9586	10486	9586	9516
55°	9028	9413	9028	9190
60°	9318	7994	9318	8417
65°	8462	6609	8462	7387
70°	5873	5267	5873	6192
75°	5169	3893	5169	4662
80°	4198	2574	4198	2802
85°	2459	1363	2459	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13810 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	1.5
10°-20°	1285.5	4.3
20°-30°	1987.1	6.6
30°-40°	2372.2	7.9
40°-50°	2386.1	8.0
50°-60°	2076.2	6.9
60°-70°	1472.0	4.9
70°-80°	778.8	2.6
80°-90°	203.9	0.7
90°-100°	1270.3	4.2
100°-110°	3339.6	11.2
110°-120°	3462.8	11.6
120°-130°	2777.6	9.3
130°-140°	2179.4	7.3
140°-150°	1672.8	5.6
150°-160°	1204.7	4.0
160°-170°	737.1	2.5
170°-180°	249.0	0.8
0°-30°	3725.3	12.5
0°-40°	6097.5	20.4
0°-60°	10559.8	35.3
0°-90°	13014.5	43.5
90°-120°	8072.7	27.0
90°-150°	14702.4	49.2
90°-180°	16893.0	56.5
0°-180°	29907.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5016	5016	5016	5016	5016	
5°	5039	5196	5039	4086	5039	478
15°	4812	5148	4812	4299	4812	1354
25°	4237	4802	4237	4204	4237	1946
35°	3222	4285	3222	3658	3222	1993
45°	2078	3530	2078	3099	2078	1665
55°	1694	2605	1694	2543	1694	1557
65°	1177	1571	1177	1756	1177	1125
75°	446	745	446	892	446	469
85°	76	190	76	161	76	103
90°	18	66	18	66	18	18
95°	168	768	168	768	168	186
105°	602	5229	602	5229	602	638
115°	1069	6733	1069	6733	1069	1055
125°	1487	5362	1487	5362	1487	1320
135°	1772	4161	1772	4161	1772	1371
145°	2055	3376	2055	3376	2055	1287
155°	2323	2907	2323	2907	2323	1067
165°	2506	2707	2506	2707	2506	707
175°	2606	2623	2606	2623	2606	247
180°	2606	2606	2606	2606	2606	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5058.3	5058.3	5086.8	5096.3	5096.3	5082.0	5067.8	5082.0	5124.7	5139.0	5134.2
5°	5039.3	5077.3	5129.5	5139.0	5148.5	5143.7	5134.2	5143.7	5191.2	5200.7	5205.4
7.5°	5001.3	5072.6	5139.0	5153.2	5167.4	5153.2	5148.5	5158.0	5205.4	5214.9	5214.9
10°	4953.9	5053.6	5129.5	5139.0	5153.2	5139.0	5139.0	5158.0	5205.4	5214.9	5219.7
12.5°	4887.5	5025.1	5096.3	5105.7	5124.7	5119.9	5115.3	5134.2	5181.6	5191.2	5191.2
15°	4811.6	4972.9	5039.3	5048.8	5082.0	5072.6	5072.6	5091.5	5143.7	5158.0	5153.2
17.5°	4707.2	4906.5	4982.4	4996.7	5020.3	5015.6	5020.3	5039.3	5086.8	5096.3	5101.0
20°	4588.6	4816.3	4906.5	4920.7	4944.4	4944.4	4944.4	4968.1	5015.6	5034.6	5034.6
22.5°	4427.2	4721.4	4816.3	4825.8	4854.3	4854.3	4863.7	4896.9	4939.6	4944.4	4944.4
25°	4237.4	4617.0	4697.6	4726.2	4754.7	4768.9	4783.1	4802.1	4816.3	4811.6	4816.3
27.5°	4038.1	4484.2	4588.6	4607.5	4645.5	4659.7	4678.7	4683.4	4688.2	4702.4	4693.0
30°	3815.1	4299.1	4455.7	4474.6	4536.3	4545.8	4526.9	4536.3	4560.1	4569.6	4579.0
32.5°	3563.6	4023.9	4318.1	4360.8	4417.7	4389.3	4384.5	4398.7	4436.7	4436.7	4446.2
35°	3221.9	3810.3	4189.9	4227.9	4270.6	4237.4	4256.4	4261.1	4284.9	4299.1	4294.3
37.5°	2847.1	3625.3	4057.1	4085.6	4118.8	4076.1	4104.6	4118.8	4137.8	4128.2	4128.2
40°	2514.9	3335.8	3900.5	3919.5	3947.9	3914.7	3943.2	3952.7	3962.2	3952.7	3947.9
42.5°	2268.2	3017.9	3734.4	3758.2	3739.2	3762.8	3772.4	3791.4	3777.1	3758.2	3758.2
45°	2078.3	2932.5	3554.1	3582.5	3554.1	3592.1	3606.3	3606.3	3563.6	3554.1	3549.4
47.5°	2016.7	2761.7	3373.8	3373.8	3359.5	3407.0	3430.7	3397.5	3354.8	3340.5	3340.5
50°	2012.0	2571.8	3127.1	3108.1	3174.4	3231.5	3207.7	3174.4	3141.3	3089.1	3089.1
52.5°	1826.9	2339.4	2809.1	2880.3	2984.7	3017.9	2979.9	2946.8	2889.7	2866.1	2847.1
55°	1694.0	2097.4	2519.7	2662.0	2771.1	2813.8	2742.7	2709.4	2624.1	2609.8	2600.4
57.5°	1665.6	1746.2	2254.0	2434.3	2567.1	2562.4	2519.7	2458.0	2386.8	2372.6	2367.8
60°	1528.0	1262.2	1969.2	2182.7	2320.4	2306.1	2268.2	2211.2	2144.8	2135.3	2125.8
62.5°	1385.6	915.8	1646.6	1888.6	2083.1	2078.3	2045.1	1959.7	1912.3	1888.6	1869.6
65°	1176.8	768.7	1172.0	1570.7	1850.6	1860.1	1788.9	1727.2	1675.0	1646.6	1641.8
67.5°	896.9	626.3	792.4	1309.6	1627.6	1618.1	1528.0	1499.5	1433.0	1418.8	1390.3
70°	664.3	417.5	550.4	1062.9	1409.3	1385.6	1314.4	1281.2	1219.5	1186.2	1167.3
72.5°	550.4	336.9	403.3	825.6	1186.2	1157.8	1096.1	1058.2	1005.9	977.5	958.5
75°	446.0	355.8	308.5	612.1	963.2	944.2	887.3	849.4	806.7	768.7	773.5
77.5°	327.4	332.2	246.8	450.8	763.9	735.5	702.2	654.9	635.9	597.9	597.9
80°	246.8	261.0	185.1	308.5	550.4	550.4	521.9	488.8	455.6	436.5	436.5
82.5°	166.1	166.1	137.6	194.5	374.9	360.6	341.6	332.2	313.2	303.7	303.7
85°	75.9	94.9	85.4	118.6	204.0	213.5	213.5	204.0	199.3	189.8	194.5
87.5°	23.7	42.7	52.2	66.5	104.4	109.2	113.8	113.8	113.8	118.6	118.6
90°	17.5	31.5	45.5	49.0	76.9	114.2	132.9	118.1	88.6	66.5	66.5
92.5°	69.9	188.8	307.8	337.5	474.6	657.2	748.5	656.0	471.0	332.3	319.1
95°	167.9	385.5	603.2	657.6	1167.7	1847.9	2188.0	1952.4	1481.4	1128.1	1088.1
97.5°	290.3	482.3	674.3	722.3	1572.9	2707.0	3274.0	3125.2	2827.5	2604.2	2528.0
100°	384.7	558.9	733.0	776.6	1720.4	2978.8	3608.1	3618.9	3640.7	3657.0	3566.3
102.5°	465.2	627.7	790.1	830.8	1788.0	3064.3	3702.6	3892.2	4271.5	4556.0	4478.3
105°	601.7	739.3	876.8	911.2	1838.2	3074.1	3692.0	4117.2	4967.6	5605.3	5563.6
107.5°	741.6	869.8	998.1	1030.1	1847.4	2937.2	3482.2	4075.2	5261.4	6151.0	6161.1
110°	836.0	951.8	1067.6	1096.6	1833.5	2816.0	3307.3	3970.4	5296.4	6290.9	6334.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	928.7	1039.1	1149.5	1177.1	1834.1	2710.1	3148.1	3826.7	5183.9	6201.8	6268.6
115°	1068.6	1170.4	1272.3	1297.7	1851.0	2588.7	2957.5	3611.2	4918.6	5899.2	5991.9
117.5°	1206.8	1299.2	1391.8	1414.9	1885.3	2512.6	2826.3	3416.3	4596.2	5481.2	5584.0
120°	1287.2	1374.3	1461.3	1483.1	1913.3	2487.0	2773.8	3312.9	4391.0	5199.6	5299.5
122.5°	1365.9	1453.7	1541.6	1563.6	1953.6	2473.6	2733.6	3219.0	4189.9	4918.0	5016.6
125°	1486.6	1566.7	1646.8	1666.8	2007.8	2462.6	2689.9	3102.3	3927.0	4545.5	4636.2
127.5°	1584.5	1665.4	1746.2	1766.4	2062.0	2456.1	2653.2	3007.2	3715.4	4246.5	4323.0
130°	1637.0	1724.1	1811.1	1832.9	2101.6	2460.0	2639.1	2954.3	3584.8	4057.6	4128.3
132.5°	1691.3	1778.3	1865.3	1887.1	2133.7	2462.5	2626.9	2909.1	3473.5	3896.7	3960.1
135°	1771.6	1850.9	1930.3	1950.1	2168.7	2460.2	2606.0	2842.3	3314.8	3669.3	3723.9
137.5°	1853.9	1932.4	2010.9	2030.6	2221.1	2475.3	2602.4	2802.2	3201.7	3501.4	3546.1
140°	1922.1	1994.4	2066.7	2084.8	2253.2	2477.8	2590.2	2762.7	3107.9	3366.7	3408.5
142.5°	1974.6	2041.4	2108.2	2125.0	2280.0	2486.8	2590.2	2741.8	3044.9	3272.3	3308.3
145°	2055.0	2113.4	2171.6	2186.2	2315.0	2486.8	2572.7	2696.6	2944.6	3130.6	3157.8
147.5°	2135.4	2192.2	2248.9	2263.1	2366.3	2503.9	2572.7	2670.3	2865.3	3011.7	3034.2
150°	2188.0	2239.3	2290.6	2303.4	2393.1	2512.9	2572.7	2655.1	2819.9	2943.5	2961.7
152.5°	2242.2	2281.1	2319.8	2329.6	2410.6	2518.7	2572.7	2643.1	2783.7	2889.3	2903.1
155°	2322.7	2351.4	2380.1	2387.3	2449.1	2531.5	2572.7	2628.7	2740.7	2824.6	2833.7
157.5°	2382.1	2410.0	2438.0	2445.0	2487.5	2544.3	2572.7	2616.2	2703.3	2768.6	2775.0
160°	2422.3	2444.1	2465.8	2471.3	2505.1	2550.2	2572.7	2610.0	2684.6	2740.6	2744.3
162.5°	2462.5	2478.8	2495.1	2499.2	2523.7	2556.3	2572.7	2604.2	2667.2	2714.4	2717.8
165°	2506.2	2521.0	2535.8	2539.5	2550.5	2565.3	2572.7	2595.2	2640.3	2674.1	2677.8
167.5°	2546.5	2553.5	2560.4	2562.2	2571.6	2584.0	2590.2	2604.9	2634.5	2656.6	2658.2
170°	2572.7	2579.7	2586.7	2588.5	2589.0	2589.8	2590.2	2604.9	2634.5	2656.6	2656.6
172.5°	2586.7	2588.2	2589.8	2590.2	2590.2	2590.2	2590.2	2601.8	2625.2	2642.7	2641.3
175°	2606.0	2606.0	2606.0	2606.0	2600.7	2593.7	2590.2	2597.5	2612.3	2623.4	2623.4
177.5°	2606.0	2606.0	2606.0	2606.0	2601.8	2596.4	2593.7	2599.5	2611.2	2619.9	2618.3
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5143.7	5129.5	5143.7	5134.2	5139.0	5124.7	5082.0	5067.8	5082.0	5096.3	5096.3
5°	5205.4	5195.9	5205.4	5205.4	5200.7	5191.2	5143.7	5134.2	5143.7	5148.5	5139.0
7.5°	5224.4	5210.1	5224.4	5214.9	5214.9	5205.4	5158.0	5148.5	5153.2	5167.4	5153.2
10°	5224.4	5210.1	5224.4	5219.7	5214.9	5205.4	5158.0	5139.0	5139.0	5153.2	5139.0
12.5°	5200.7	5191.2	5200.7	5191.2	5191.2	5181.6	5134.2	5115.3	5119.9	5124.7	5105.7
15°	5162.7	5148.5	5162.7	5153.2	5158.0	5143.7	5091.5	5072.6	5072.6	5082.0	5048.8
17.5°	5105.7	5086.8	5105.7	5101.0	5096.3	5086.8	5039.3	5020.3	5015.6	5020.3	4996.7
20°	5039.3	5025.1	5039.3	5034.6	5034.6	5015.6	4968.1	4944.4	4944.4	4944.4	4920.7
22.5°	4935.0	4920.7	4935.0	4944.4	4944.4	4939.6	4896.9	4863.7	4854.3	4854.3	4825.8
25°	4816.3	4802.1	4816.3	4816.3	4811.6	4816.3	4802.1	4783.1	4768.9	4754.7	4726.2
27.5°	4702.4	4693.0	4702.4	4693.0	4702.4	4688.2	4683.4	4678.7	4659.7	4645.5	4607.5
30°	4588.6	4579.0	4588.6	4579.0	4569.6	4560.1	4536.3	4526.9	4545.8	4536.3	4474.6
32.5°	4446.2	4436.7	4446.2	4446.2	4436.7	4436.7	4398.7	4384.5	4389.3	4417.7	4360.8
35°	4299.1	4284.9	4299.1	4294.3	4299.1	4284.9	4261.1	4256.4	4237.4	4270.6	4227.9
37.5°	4128.2	4114.0	4128.2	4128.2	4128.2	4137.8	4118.8	4104.6	4076.1	4118.8	4085.6
40°	3952.7	3933.7	3952.7	3947.9	3952.7	3962.2	3952.7	3943.2	3914.7	3947.9	3919.5
42.5°	3753.4	3748.6	3753.4	3758.2	3758.2	3777.1	3791.4	3772.4	3762.8	3739.2	3758.2
45°	3539.8	3530.4	3539.8	3549.4	3554.1	3563.6	3606.3	3606.3	3592.1	3554.1	3582.5
47.5°	3312.1	3288.4	3312.1	3340.5	3340.5	3354.8	3397.5	3430.7	3407.0	3359.5	3373.8
50°	3070.1	3074.8	3070.1	3089.1	3089.1	3141.3	3174.4	3207.7	3231.5	3174.4	3108.1
52.5°	2832.8	2828.1	2832.8	2847.1	2866.1	2889.7	2946.8	2979.9	3017.9	2984.7	2880.3
55°	2595.6	2605.1	2595.6	2600.4	2609.8	2624.1	2709.4	2742.7	2813.8	2771.1	2662.0
57.5°	2358.4	2344.1	2358.4	2367.8	2372.6	2386.8	2458.0	2519.7	2562.4	2567.1	2434.3
60°	2083.1	2064.1	2083.1	2125.8	2135.3	2144.8	2211.2	2268.2	2306.1	2320.4	2182.7
62.5°	1841.1	1807.9	1841.1	1869.6	1888.6	1912.3	1959.7	2045.1	2078.3	2083.1	1888.6
65°	1584.9	1570.7	1584.9	1641.8	1646.6	1675.0	1727.2	1788.9	1860.1	1850.6	1570.7
67.5°	1352.3	1352.3	1352.3	1390.3	1418.8	1433.0	1499.5	1528.0	1618.1	1627.6	1309.6
70°	1138.8	1134.1	1138.8	1167.3	1186.2	1219.5	1281.2	1314.4	1385.6	1409.3	1062.9
72.5°	934.8	930.0	934.8	958.5	977.5	1005.9	1058.2	1096.1	1157.8	1186.2	825.6
75°	754.5	745.0	754.5	773.5	768.7	806.7	849.4	887.3	944.2	963.2	612.1
77.5°	578.9	578.9	578.9	597.9	597.9	635.9	654.9	702.2	735.5	763.9	450.8
80°	431.8	427.1	431.8	436.5	436.5	455.6	488.8	521.9	550.4	550.4	308.5
82.5°	303.7	294.2	303.7	303.7	303.7	313.2	332.2	341.6	360.6	374.9	194.5
85°	189.8	189.8	189.8	194.5	189.8	199.3	204.0	213.5	213.5	204.0	118.6
87.5°	123.4	118.6	123.4	118.6	118.6	113.8	113.8	113.8	109.2	104.4	66.5
90°	66.5	66.5	66.5	66.5	66.5	88.6	118.1	132.9	114.2	76.9	49.0
92.5°	266.2	213.4	266.2	319.1	332.3	471.0	656.0	748.5	657.2	474.6	337.5
95°	927.9	767.8	927.9	1088.1	1128.1	1481.4	1952.4	2188.0	1847.9	1167.7	657.6
97.5°	2223.3	1918.6	2223.3	2528.0	2604.2	2827.5	3125.2	3274.0	2707.0	1572.9	722.3
100°	3203.3	2840.3	3203.3	3566.3	3657.0	3640.7	3618.9	3608.1	2978.8	1720.4	776.6
102.5°	4167.4	3856.4	4167.4	4478.3	4556.0	4271.5	3892.2	3702.6	3064.3	1788.0	830.8
105°	5396.5	5229.4	5396.5	5563.6	5605.3	4967.6	4117.2	3692.0	3074.1	1838.2	911.2
107.5°	6201.6	6242.0	6201.6	6161.1	6151.0	5261.4	4075.2	3482.2	2937.2	1847.4	1030.1
110°	6508.6	6682.8	6508.6	6334.5	6290.9	5296.4	3970.4	3307.3	2816.0	1833.5	1096.6



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6536.0	6803.4	6536.0	6268.6	6201.8	5183.9	3826.7	3148.1	2710.1	1834.1	1177.1
115°	6362.6	6733.4	6362.6	5991.9	5899.2	4918.6	3611.2	2957.5	2588.7	1851.0	1297.7
117.5°	5995.2	6406.4	5995.2	5584.0	5481.2	4596.2	3416.3	2826.3	2512.6	1885.3	1414.9
120°	5699.0	6098.6	5699.0	5299.5	5199.6	4391.0	3312.9	2773.8	2487.0	1913.3	1483.1
122.5°	5410.7	5804.8	5410.7	5016.6	4918.0	4189.9	3219.0	2733.6	2473.6	1953.6	1563.6
125°	4999.3	5362.3	4999.3	4636.2	4545.5	3927.0	3102.3	2689.9	2462.6	2007.8	1666.8
127.5°	4629.3	4935.5	4629.3	4323.0	4246.5	3715.4	3007.2	2653.2	2456.1	2062.0	1766.4
130°	4411.3	4694.2	4411.3	4128.3	4057.6	3584.8	2954.3	2639.1	2460.0	2101.6	1832.9
132.5°	4213.4	4466.8	4213.4	3960.1	3896.7	3473.5	2909.1	2626.9	2462.5	2133.7	1887.1
135°	3942.3	4160.8	3942.3	3723.9	3669.3	3314.8	2842.3	2606.0	2460.2	2168.7	1950.1
137.5°	3724.9	3903.6	3724.9	3546.1	3501.4	3201.7	2802.2	2602.4	2475.3	2221.1	2030.6
140°	3575.6	3742.7	3575.6	3408.5	3366.7	3107.9	2762.7	2590.2	2477.8	2253.2	2084.8
142.5°	3452.1	3595.8	3452.1	3308.3	3272.3	3044.9	2741.8	2590.2	2486.8	2280.0	2125.0
145°	3266.7	3375.5	3266.7	3157.8	3130.6	2944.6	2696.6	2572.7	2486.8	2315.0	2186.2
147.5°	3124.4	3214.5	3124.4	3034.2	3011.7	2865.3	2670.3	2572.7	2503.9	2366.3	2263.1
150°	3034.8	3107.9	3034.8	2961.7	2943.5	2819.9	2655.1	2572.7	2512.9	2393.1	2303.4
152.5°	2958.3	3013.4	2958.3	2903.1	2889.3	2783.7	2643.1	2572.7	2518.7	2410.6	2329.6
155°	2870.2	2906.7	2870.2	2833.7	2824.6	2740.7	2628.7	2572.7	2531.5	2449.1	2387.3
157.5°	2800.7	2826.3	2800.7	2775.0	2768.6	2703.3	2616.2	2572.7	2544.3	2487.5	2445.0
160°	2759.1	2773.8	2759.1	2744.3	2740.6	2684.6	2610.0	2572.7	2550.2	2505.1	2471.3
162.5°	2731.9	2745.9	2731.9	2717.8	2714.4	2667.2	2604.2	2572.7	2556.3	2523.7	2499.2
165°	2692.6	2707.4	2692.6	2677.8	2674.1	2640.3	2595.2	2572.7	2565.3	2550.5	2539.5
167.5°	2664.4	2670.6	2664.4	2658.2	2656.6	2634.5	2604.9	2590.2	2584.0	2571.6	2562.2
170°	2656.6	2656.6	2656.6	2656.6	2656.6	2634.5	2604.9	2590.2	2589.8	2589.0	2588.5
172.5°	2635.9	2630.4	2635.9	2641.3	2642.7	2625.2	2601.8	2590.2	2590.2	2590.2	2590.2
175°	2623.4	2623.4	2623.4	2623.4	2623.4	2612.3	2597.5	2590.2	2593.7	2600.7	2606.0
177.5°	2612.1	2606.0	2612.1	2618.3	2619.9	2611.2	2599.5	2593.7	2596.4	2601.8	2606.0
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5086.8	5058.3	5058.3	5010.9	4991.9	4977.7	4953.9	4882.7	4863.7	4844.8	4873.3
5°	5129.5	5077.3	5039.3	4953.9	4882.7	4854.3	4764.1	4593.2	4479.4	4394.0	4346.6
7.5°	5139.0	5072.6	5001.3	4868.5	4697.6	4621.7	4346.6	4033.3	3947.9	3872.0	3824.5
10°	5129.5	5053.6	4953.9	4754.7	4351.2	4218.4	3943.2	3739.2	3686.9	3672.7	3686.9
12.5°	5096.3	5025.1	4887.5	4555.3	3990.6	3900.5	3739.2	3620.5	3611.0	3634.8	3762.8
15°	5039.3	4972.9	4811.6	4289.6	3791.4	3724.9	3611.0	3568.3	3620.5	3786.6	4170.9
17.5°	4982.4	4906.5	4707.2	4028.6	3639.6	3592.1	3511.4	3596.8	3891.0	4114.0	4242.2
20°	4906.5	4816.3	4588.6	3838.8	3530.4	3487.7	3449.7	3834.1	4057.1	4137.8	4208.9
22.5°	4816.3	4721.4	4427.2	3705.9	3416.5	3383.3	3407.0	3966.9	4057.1	4114.0	4175.7
25°	4697.6	4617.0	4237.4	3601.5	3326.3	3288.4	3378.5	3952.7	4004.8	4019.1	4142.5
27.5°	4588.6	4484.2	4038.1	3506.6	3217.2	3203.0	3402.2	3891.0	3928.9	3943.2	4076.1
30°	4455.7	4299.1	3815.1	3407.0	3103.3	3098.6	3407.0	3815.1	3805.6	3843.5	3976.4
32.5°	4318.1	4023.9	3563.6	3283.6	2994.1	2989.5	3373.8	3701.2	3691.7	3743.9	3843.5
35°	4189.9	3810.3	3221.9	3141.3	2856.6	2861.3	3293.2	3568.3	3573.1	3620.5	3682.2
37.5°	4057.1	3625.3	2847.1	2984.7	2723.7	2723.7	3184.0	3445.0	3435.5	3449.7	3535.2
40°	3900.5	3335.8	2514.9	2780.7	2600.4	2586.1	3051.2	3312.1	3278.9	3274.2	3392.8
42.5°	3734.4	3017.9	2268.2	2510.2	2458.0	2439.0	2889.7	3150.8	3089.1	3103.3	3255.1
45°	3554.1	2932.5	2078.3	2121.0	2310.9	2296.7	2714.2	2965.7	2923.0	2961.0	3117.5
47.5°	3373.8	2761.7	2016.7	1760.4	2154.3	2149.5	2519.7	2785.4	2761.7	2799.6	2965.7
50°	3127.1	2571.8	2012.0	1509.0	1978.7	1997.7	2287.1	2609.8	2609.8	2643.1	2818.6
52.5°	2809.1	2339.4	1826.9	1366.6	1774.6	1831.6	2083.1	2458.0	2467.4	2500.7	2657.3
55°	2519.7	2097.4	1694.0	1257.5	1532.6	1656.0	1883.8	2301.3	2320.4	2353.6	2495.9
57.5°	2254.0	1746.2	1665.6	1129.3	1309.6	1428.3	1708.3	2149.5	2159.1	2187.5	2325.1
60°	1969.2	1262.2	1528.0	991.7	1115.1	1205.3	1546.9	1969.2	2002.4	2021.4	2140.0
62.5°	1646.6	915.8	1385.6	896.9	1020.2	1039.2	1414.0	1798.4	1841.1	1855.3	1926.5
65°	1172.0	768.7	1176.8	816.2	920.6	925.3	1271.7	1622.8	1660.8	1684.5	1736.7
67.5°	792.4	626.3	896.9	740.2	844.6	849.4	1134.1	1418.8	1470.9	1490.0	1523.2
70°	550.4	417.5	664.3	659.5	759.3	768.7	987.0	1233.7	1281.2	1295.4	1314.4
72.5°	403.3	336.9	550.4	593.2	669.1	678.6	835.2	1024.9	1072.4	1086.6	1096.1
75°	308.5	355.8	446.0	517.2	569.4	574.2	683.3	835.2	868.3	877.9	882.5
77.5°	246.8	332.2	327.4	417.5	465.0	455.6	536.2	645.3	673.8	673.8	673.8
80°	185.1	261.0	246.8	298.9	341.6	332.2	384.4	460.2	469.8	479.2	474.6
82.5°	137.6	166.1	166.1	189.8	227.8	218.3	256.2	298.9	298.9	298.9	308.5
85°	85.4	94.9	75.9	99.6	128.1	123.4	142.4	161.3	166.1	166.1	156.6
87.5°	52.2	42.7	23.7	37.9	56.9	56.9	66.5	71.1	66.5	66.5	66.5
90°	45.5	31.5	17.5	31.5	45.5	49.0	76.9	114.2	132.9	118.1	88.6
92.5°	307.8	188.8	69.9	188.8	307.8	337.5	474.6	657.2	748.5	656.0	471.0
95°	603.2	385.5	167.9	385.5	603.2	657.6	1167.7	1847.9	2188.0	1952.4	1481.4
97.5°	674.3	482.3	290.3	482.3	674.3	722.3	1572.9	2707.0	3274.0	3125.2	2827.5
100°	733.0	558.9	384.7	558.9	733.0	776.6	1720.4	2978.8	3608.1	3618.9	3640.7
102.5°	790.1	627.7	465.2	627.7	790.1	830.8	1788.0	3064.3	3702.6	3892.2	4271.5
105°	876.8	739.3	601.7	739.3	876.8	911.2	1838.2	3074.1	3692.0	4117.2	4967.6
107.5°	998.1	869.8	741.6	869.8	998.1	1030.1	1847.4	2937.2	3482.2	4075.2	5261.4
110°	1067.6	951.8	836.0	951.8	1067.6	1096.6	1833.5	2816.0	3307.3	3970.4	5296.4



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1149.5	1039.1	928.7	1039.1	1149.5	1177.1	1834.1	2710.1	3148.1	3826.7	5183.9
115°	1272.3	1170.4	1068.6	1170.4	1272.3	1297.7	1851.0	2588.7	2957.5	3611.2	4918.6
117.5°	1391.8	1299.2	1206.8	1299.2	1391.8	1414.9	1885.3	2512.6	2826.3	3416.3	4596.2
120°	1461.3	1374.3	1287.2	1374.3	1461.3	1483.1	1913.3	2487.0	2773.8	3312.9	4391.0
122.5°	1541.6	1453.7	1365.9	1453.7	1541.6	1563.6	1953.6	2473.6	2733.6	3219.0	4189.9
125°	1646.8	1566.7	1486.6	1566.7	1646.8	1666.8	2007.8	2462.6	2689.9	3102.3	3927.0
127.5°	1746.2	1665.4	1584.5	1665.4	1746.2	1766.4	2062.0	2456.1	2653.2	3007.2	3715.4
130°	1811.1	1724.1	1637.0	1724.1	1811.1	1832.9	2101.6	2460.0	2639.1	2954.3	3584.8
132.5°	1865.3	1778.3	1691.3	1778.3	1865.3	1887.1	2133.7	2462.5	2626.9	2909.1	3473.5
135°	1930.3	1850.9	1771.6	1850.9	1930.3	1950.1	2168.7	2460.2	2606.0	2842.3	3314.8
137.5°	2010.9	1932.4	1853.9	1932.4	2010.9	2030.6	2221.1	2475.3	2602.4	2802.2	3201.7
140°	2066.7	1994.4	1922.1	1994.4	2066.7	2084.8	2253.2	2477.8	2590.2	2762.7	3107.9
142.5°	2108.2	2041.4	1974.6	2041.4	2108.2	2125.0	2280.0	2486.8	2590.2	2741.8	3044.9
145°	2171.6	2113.4	2055.0	2113.4	2171.6	2186.2	2315.0	2486.8	2572.7	2696.6	2944.6
147.5°	2248.9	2192.2	2135.4	2192.2	2248.9	2263.1	2366.3	2503.9	2572.7	2670.3	2865.3
150°	2290.6	2239.3	2188.0	2239.3	2290.6	2303.4	2393.1	2512.9	2572.7	2655.1	2819.9
152.5°	2319.8	2281.1	2242.2	2281.1	2319.8	2329.6	2410.6	2518.7	2572.7	2643.1	2783.7
155°	2380.1	2351.4	2322.7	2351.4	2380.1	2387.3	2449.1	2531.5	2572.7	2628.7	2740.7
157.5°	2438.0	2410.0	2382.1	2410.0	2438.0	2445.0	2487.5	2544.3	2572.7	2616.2	2703.3
160°	2465.8	2444.1	2422.3	2444.1	2465.8	2471.3	2505.1	2550.2	2572.7	2610.0	2684.6
162.5°	2495.1	2478.8	2462.5	2478.8	2495.1	2499.2	2523.7	2556.3	2572.7	2604.2	2667.2
165°	2535.8	2521.0	2506.2	2521.0	2535.8	2539.5	2550.5	2565.3	2572.7	2595.2	2640.3
167.5°	2560.4	2553.5	2546.5	2553.5	2560.4	2562.2	2571.6	2584.0	2590.2	2604.9	2634.5
170°	2586.7	2579.7	2572.7	2579.7	2586.7	2588.5	2589.0	2589.8	2590.2	2604.9	2634.5
172.5°	2589.8	2588.2	2586.7	2588.2	2589.8	2590.2	2590.2	2590.2	2590.2	2601.8	2625.2
175°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2600.7	2593.7	2590.2	2597.5	2612.3
177.5°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2601.8	2596.4	2593.7	2599.5	2611.2
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4840.0	4825.8	4844.8	4792.6	4844.8	4825.8	4840.0	4873.3	4844.8	4863.7	4882.7
5°	4246.9	4223.2	4147.2	4085.6	4147.2	4223.2	4246.9	4346.6	4394.0	4479.4	4593.2
7.5°	3796.1	3777.1	3758.2	3720.2	3758.2	3777.1	3796.1	3824.5	3872.0	3947.9	4033.3
10°	3696.5	3701.2	3729.7	3724.9	3729.7	3701.2	3696.5	3686.9	3672.7	3686.9	3739.2
12.5°	3952.7	3995.4	4152.0	4142.5	4152.0	3995.4	3952.7	3762.8	3634.8	3611.0	3620.5
15°	4246.9	4261.1	4294.3	4299.1	4294.3	4261.1	4246.9	4170.9	3786.6	3620.5	3568.3
17.5°	4275.3	4280.1	4303.9	4303.9	4303.9	4280.1	4275.3	4242.2	4114.0	3891.0	3596.8
20°	4251.6	4261.1	4308.6	4318.1	4308.6	4261.1	4251.6	4208.9	4137.8	4057.1	3834.1
22.5°	4242.2	4261.1	4299.1	4294.3	4299.1	4261.1	4242.2	4175.7	4114.0	4057.1	3966.9
25°	4194.7	4194.7	4199.4	4204.2	4199.4	4194.7	4194.7	4142.5	4019.1	4004.8	3952.7
27.5°	4095.0	4104.6	4133.0	4128.2	4133.0	4104.6	4095.0	4076.1	3943.2	3928.9	3891.0
30°	4004.8	3995.4	3971.7	3952.7	3971.7	3995.4	4004.8	3976.4	3843.5	3805.6	3815.1
32.5°	3853.0	3829.3	3805.6	3791.4	3805.6	3829.3	3853.0	3843.5	3743.9	3691.7	3701.2
35°	3672.7	3677.5	3672.7	3658.5	3672.7	3677.5	3672.7	3682.2	3620.5	3573.1	3568.3
37.5°	3544.6	3554.1	3549.4	3530.4	3549.4	3554.1	3544.6	3535.2	3449.7	3435.5	3445.0
40°	3411.8	3416.5	3411.8	3397.5	3411.8	3416.5	3411.8	3392.8	3274.2	3278.9	3312.1
42.5°	3283.6	3278.9	3264.6	3255.1	3264.6	3278.9	3283.6	3255.1	3103.3	3089.1	3150.8
45°	3136.5	3141.3	3112.8	3098.6	3112.8	3141.3	3136.5	3117.5	2961.0	2923.0	2965.7
47.5°	2989.5	2989.5	2965.7	2951.4	2965.7	2989.5	2989.5	2965.7	2799.6	2761.7	2785.4
50°	2832.8	2828.1	2794.9	2790.1	2794.9	2828.1	2832.8	2818.6	2643.1	2609.8	2609.8
52.5°	2652.5	2652.5	2657.3	2666.7	2657.3	2652.5	2652.5	2657.3	2500.7	2467.4	2458.0
55°	2495.9	2500.7	2533.9	2543.4	2533.9	2500.7	2495.9	2495.9	2353.6	2320.4	2301.3
57.5°	2334.6	2334.6	2358.4	2358.4	2358.4	2334.6	2334.6	2325.1	2187.5	2159.1	2149.5
60°	2149.5	2159.1	2178.1	2173.3	2178.1	2159.1	2149.5	2140.0	2021.4	2002.4	1969.2
62.5°	1955.0	1964.5	1969.2	1959.7	1969.2	1964.5	1955.0	1926.5	1855.3	1841.1	1798.4
65°	1751.0	1760.4	1765.2	1755.7	1765.2	1760.4	1751.0	1736.7	1684.5	1660.8	1622.8
67.5°	1542.2	1537.4	1532.6	1551.6	1532.6	1537.4	1542.2	1523.2	1490.0	1470.9	1418.8
70°	1328.6	1328.6	1323.9	1333.4	1323.9	1328.6	1328.6	1314.4	1295.4	1281.2	1233.7
72.5°	1100.9	1096.1	1115.1	1100.9	1115.1	1096.1	1100.9	1096.1	1086.6	1072.4	1024.9
75°	877.9	887.3	877.9	892.1	877.9	887.3	877.9	882.5	877.9	868.3	835.2
77.5°	669.1	678.6	669.1	669.1	669.1	678.6	669.1	673.8	673.8	673.8	645.3
80°	474.6	469.8	469.8	465.0	469.8	469.8	474.6	474.6	479.2	469.8	460.2
82.5°	303.7	298.9	298.9	308.5	298.9	298.9	303.7	308.5	298.9	298.9	298.9
85°	166.1	170.9	161.3	161.3	161.3	170.9	166.1	156.6	166.1	166.1	161.3
87.5°	61.7	56.9	56.9	56.9	56.9	56.9	61.7	66.5	66.5	66.5	71.1
90°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	88.6	118.1	132.9	114.2
92.5°	332.3	319.1	266.2	213.4	266.2	319.1	332.3	471.0	656.0	748.5	657.2
95°	1128.1	1088.1	927.9	767.8	927.9	1088.1	1128.1	1481.4	1952.4	2188.0	1847.9
97.5°	2604.2	2528.0	2223.3	1918.6	2223.3	2528.0	2604.2	2827.5	3125.2	3274.0	2707.0
100°	3657.0	3566.3	3203.3	2840.3	3203.3	3566.3	3657.0	3640.7	3618.9	3608.1	2978.8
102.5°	4556.0	4478.3	4167.4	3856.4	4167.4	4478.3	4556.0	4271.5	3892.2	3702.6	3064.3
105°	5605.3	5563.6	5396.5	5229.4	5396.5	5563.6	5605.3	4967.6	4117.2	3692.0	3074.1
107.5°	6151.0	6161.1	6201.6	6242.0	6201.6	6161.1	6151.0	5261.4	4075.2	3482.2	2937.2
110°	6290.9	6334.5	6508.6	6682.8	6508.6	6334.5	6290.9	5296.4	3970.4	3307.3	2816.0



TEST NUMBER: P936129

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6201.8	6268.6	6536.0	6803.4	6536.0	6268.6	6201.8	5183.9	3826.7	3148.1	2710.1
115°	5899.2	5991.9	6362.6	6733.4	6362.6	5991.9	5899.2	4918.6	3611.2	2957.5	2588.7
117.5°	5481.2	5584.0	5995.2	6406.4	5995.2	5584.0	5481.2	4596.2	3416.3	2826.3	2512.6
120°	5199.6	5299.5	5699.0	6098.6	5699.0	5299.5	5199.6	4391.0	3312.9	2773.8	2487.0
122.5°	4918.0	5016.6	5410.7	5804.8	5410.7	5016.6	4918.0	4189.9	3219.0	2733.6	2473.6
125°	4545.5	4636.2	4999.3	5362.3	4999.3	4636.2	4545.5	3927.0	3102.3	2689.9	2462.6
127.5°	4246.5	4323.0	4629.3	4935.5	4629.3	4323.0	4246.5	3715.4	3007.2	2653.2	2456.1
130°	4057.6	4128.3	4411.3	4694.2	4411.3	4128.3	4057.6	3584.8	2954.3	2639.1	2460.0
132.5°	3896.7	3960.1	4213.4	4466.8	4213.4	3960.1	3896.7	3473.5	2909.1	2626.9	2462.5
135°	3669.3	3723.9	3942.3	4160.8	3942.3	3723.9	3669.3	3314.8	2842.3	2606.0	2460.2
137.5°	3501.4	3546.1	3724.9	3903.6	3724.9	3546.1	3501.4	3201.7	2802.2	2602.4	2475.3
140°	3366.7	3408.5	3575.6	3742.7	3575.6	3408.5	3366.7	3107.9	2762.7	2590.2	2477.8
142.5°	3272.3	3308.3	3452.1	3595.8	3452.1	3308.3	3272.3	3044.9	2741.8	2590.2	2486.8
145°	3130.6	3157.8	3266.7	3375.5	3266.7	3157.8	3130.6	2944.6	2696.6	2572.7	2486.8
147.5°	3011.7	3034.2	3124.4	3214.5	3124.4	3034.2	3011.7	2865.3	2670.3	2572.7	2503.9
150°	2943.5	2961.7	3034.8	3107.9	3034.8	2961.7	2943.5	2819.9	2655.1	2572.7	2512.9
152.5°	2889.3	2903.1	2958.3	3013.4	2958.3	2903.1	2889.3	2783.7	2643.1	2572.7	2518.7
155°	2824.6	2833.7	2870.2	2906.7	2870.2	2833.7	2824.6	2740.7	2628.7	2572.7	2531.5
157.5°	2768.6	2775.0	2800.7	2826.3	2800.7	2775.0	2768.6	2703.3	2616.2	2572.7	2544.3
160°	2740.6	2744.3	2759.1	2773.8	2759.1	2744.3	2740.6	2684.6	2610.0	2572.7	2550.2
162.5°	2714.4	2717.8	2731.9	2745.9	2731.9	2717.8	2714.4	2667.2	2604.2	2572.7	2556.3
165°	2674.1	2677.8	2692.6	2707.4	2692.6	2677.8	2674.1	2640.3	2595.2	2572.7	2565.3
167.5°	2656.6	2658.2	2664.4	2670.6	2664.4	2658.2	2656.6	2634.5	2604.9	2590.2	2584.0
170°	2656.6	2656.6	2656.6	2656.6	2656.6	2656.6	2656.6	2634.5	2604.9	2590.2	2589.8
172.5°	2642.7	2641.3	2635.9	2630.4	2635.9	2641.3	2642.7	2625.2	2601.8	2590.2	2590.2
175°	2623.4	2623.4	2623.4	2623.4	2623.4	2623.4	2623.4	2612.3	2597.5	2590.2	2593.7
177.5°	2619.9	2618.3	2612.1	2606.0	2612.1	2618.3	2619.9	2611.2	2599.5	2593.7	2596.4
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4953.9	4977.7	4991.9	5010.9	5058.3
5°	4764.1	4854.3	4882.7	4953.9	5039.3
7.5°	4346.6	4621.7	4697.6	4868.5	5001.3
10°	3943.2	4218.4	4351.2	4754.7	4953.9
12.5°	3739.2	3900.5	3990.6	4555.3	4887.5
15°	3611.0	3724.9	3791.4	4289.6	4811.6
17.5°	3511.4	3592.1	3639.6	4028.6	4707.2
20°	3449.7	3487.7	3530.4	3838.8	4588.6
22.5°	3407.0	3383.3	3416.5	3705.9	4427.2
25°	3378.5	3288.4	3326.3	3601.5	4237.4
27.5°	3402.2	3203.0	3217.2	3506.6	4038.1
30°	3407.0	3098.6	3103.3	3407.0	3815.1
32.5°	3373.8	2989.5	2994.1	3283.6	3563.6
35°	3293.2	2861.3	2856.6	3141.3	3221.9
37.5°	3184.0	2723.7	2723.7	2984.7	2847.1
40°	3051.2	2586.1	2600.4	2780.7	2514.9
42.5°	2889.7	2439.0	2458.0	2510.2	2268.2
45°	2714.2	2296.7	2310.9	2121.0	2078.3
47.5°	2519.7	2149.5	2154.3	1760.4	2016.7
50°	2287.1	1997.7	1978.7	1509.0	2012.0
52.5°	2083.1	1831.6	1774.6	1366.6	1826.9
55°	1883.8	1656.0	1532.6	1257.5	1694.0
57.5°	1708.3	1428.3	1309.6	1129.3	1665.6
60°	1546.9	1205.3	1115.1	991.7	1528.0
62.5°	1414.0	1039.2	1020.2	896.9	1385.6
65°	1271.7	925.3	920.6	816.2	1176.8
67.5°	1134.1	849.4	844.6	740.2	896.9
70°	987.0	768.7	759.3	659.5	664.3
72.5°	835.2	678.6	669.1	593.2	550.4
75°	683.3	574.2	569.4	517.2	446.0
77.5°	536.2	455.6	465.0	417.5	327.4
80°	384.4	332.2	341.6	298.9	246.8
82.5°	256.2	218.3	227.8	189.8	166.1
85°	142.4	123.4	128.1	99.6	75.9
87.5°	66.5	56.9	56.9	37.9	23.7
90°	76.9	49.0	45.5	31.5	17.5
92.5°	474.6	337.5	307.8	188.8	69.9
95°	1167.7	657.6	603.2	385.5	167.9
97.5°	1572.9	722.3	674.3	482.3	290.3
100°	1720.4	776.6	733.0	558.9	384.7
102.5°	1788.0	830.8	790.1	627.7	465.2
105°	1838.2	911.2	876.8	739.3	601.7
107.5°	1847.4	1030.1	998.1	869.8	741.6
110°	1833.5	1096.6	1067.6	951.8	836.0



TEST NUMBER: P936129

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1834.1	1177.1	1149.5	1039.1	928.7
115°	1851.0	1297.7	1272.3	1170.4	1068.6
117.5°	1885.3	1414.9	1391.8	1299.2	1206.8
120°	1913.3	1483.1	1461.3	1374.3	1287.2
122.5°	1953.6	1563.6	1541.6	1453.7	1365.9
125°	2007.8	1666.8	1646.8	1566.7	1486.6
127.5°	2062.0	1766.4	1746.2	1665.4	1584.5
130°	2101.6	1832.9	1811.1	1724.1	1637.0
132.5°	2133.7	1887.1	1865.3	1778.3	1691.3
135°	2168.7	1950.1	1930.3	1850.9	1771.6
137.5°	2221.1	2030.6	2010.9	1932.4	1853.9
140°	2253.2	2084.8	2066.7	1994.4	1922.1
142.5°	2280.0	2125.0	2108.2	2041.4	1974.6
145°	2315.0	2186.2	2171.6	2113.4	2055.0
147.5°	2366.3	2263.1	2248.9	2192.2	2135.4
150°	2393.1	2303.4	2290.6	2239.3	2188.0
152.5°	2410.6	2329.6	2319.8	2281.1	2242.2
155°	2449.1	2387.3	2380.1	2351.4	2322.7
157.5°	2487.5	2445.0	2438.0	2410.0	2382.1
160°	2505.1	2471.3	2465.8	2444.1	2422.3
162.5°	2523.7	2499.2	2495.1	2478.8	2462.5
165°	2550.5	2539.5	2535.8	2521.0	2506.2
167.5°	2571.6	2562.2	2560.4	2553.5	2546.5
170°	2589.0	2588.5	2586.7	2579.7	2572.7
172.5°	2590.2	2590.2	2589.8	2588.2	2586.7
175°	2600.7	2606.0	2606.0	2606.0	2606.0
177.5°	2601.8	2606.0	2606.0	2606.0	2606.0
180°	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P936129
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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	13.71	14.51	14.72	15.53	16.89	16.56	17.36	17.57	18.38	19.75
	3H	14.18	14.90	15.20	15.93	17.31	17.91	18.63	18.93	19.66	21.04
	4H	14.37	15.05	15.40	16.08	17.47	18.35	19.04	19.39	20.07	21.46
	6H	14.48	15.11	15.53	16.15	17.55	18.64	19.27	19.68	20.31	21.71
	8H	14.48	15.08	15.53	16.14	17.53	18.72	19.31	19.76	20.37	21.76
	12H	14.45	15.02	15.51	16.07	17.49	18.76	19.32	19.81	20.37	21.79
4H	2H	14.74	15.42	15.78	16.45	17.84	16.96	17.64	18.00	18.68	20.06
	3H	15.76	16.33	16.81	17.39	18.79	18.47	19.04	19.52	20.10	21.50
	4H	16.03	16.56	17.09	17.61	19.03	19.00	19.52	20.05	20.57	21.99
	6H	16.16	16.60	17.22	17.68	19.10	19.36	19.81	20.43	20.89	22.31
	8H	16.16	16.58	17.23	17.65	19.08	19.47	19.89	20.54	20.96	22.39
	12H	16.12	16.50	17.21	17.58	19.02	19.53	19.91	20.61	20.99	22.43
8H	4H	16.49	16.90	17.55	17.97	19.41	19.12	19.53	20.18	20.60	22.04
	6H	16.75	17.09	17.83	18.20	19.63	19.56	19.90	20.64	21.01	22.44
	8H	16.79	17.09	17.88	18.18	19.63	19.71	20.01	20.81	21.11	22.56
	12H	16.77	17.04	17.87	18.12	19.61	19.81	20.08	20.91	21.17	22.66
12H	4H	16.49	16.87	17.57	17.95	19.39	19.08	19.46	20.16	20.54	21.98
	6H	16.81	17.11	17.90	18.20	19.65	19.55	19.86	20.65	20.95	22.40
	8H	16.87	17.14	17.97	18.23	19.72	19.71	19.98	20.81	21.07	22.56