

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: P935981

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935981
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

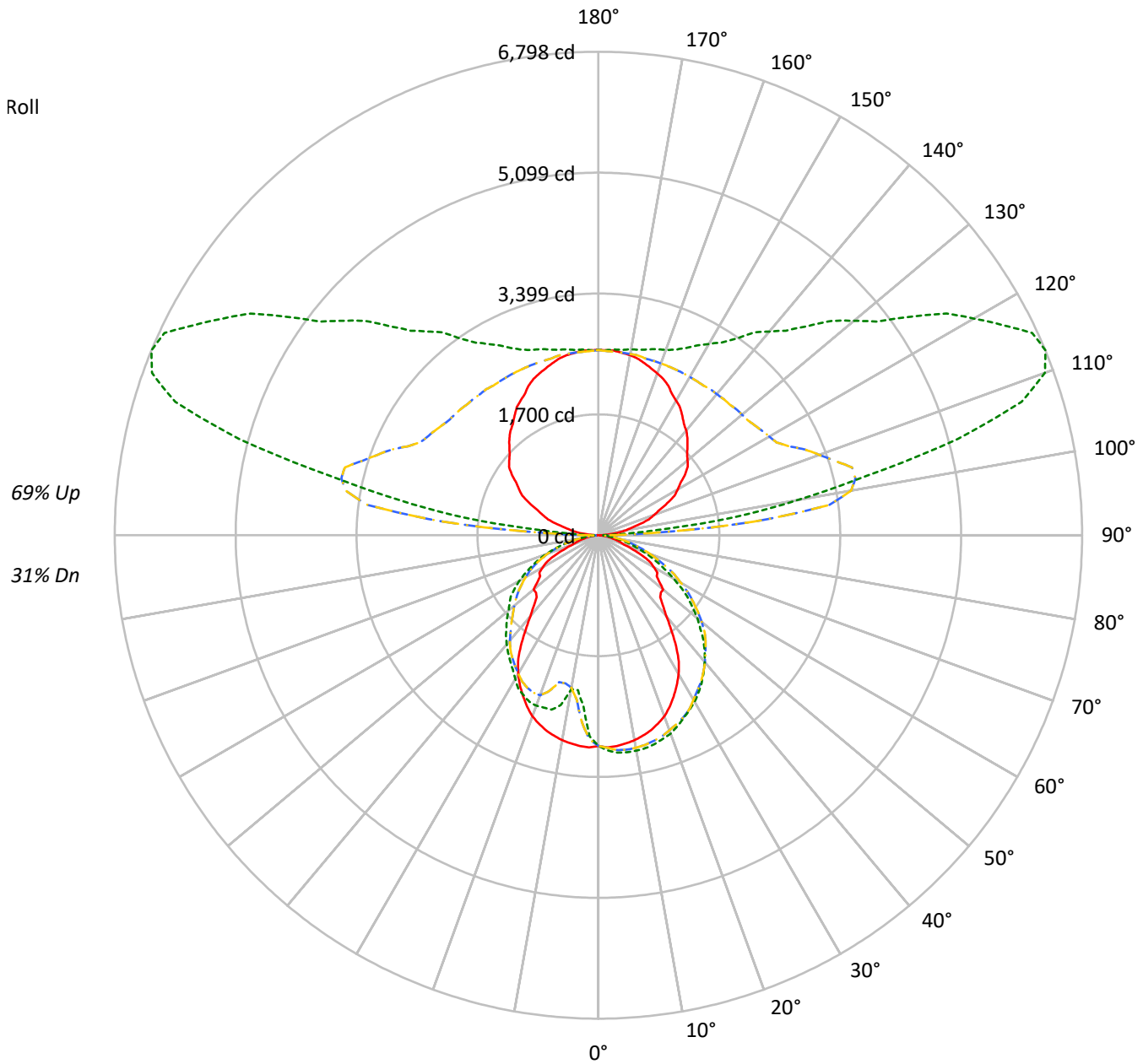
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24569.7 lumens
Efficiency: N/A
Efficacy: 128.8 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: Semi-Indirect

Input Watts (W): 190.8
Input Voltage (V): NR
Input Current (A_{in}): 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				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31				
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26				
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22				
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19				
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16				
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14				
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12				
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11				
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10				
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9				
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9161	9161	9161	9161
5°	9233	9248	9233	7271
10°	9175	9109	9175	6513
15°	9078	8912	9078	7442
20°	8892	8678	8892	7457
25°	8507	8337	8507	7299
30°	8008	8054	8008	6952
35°	7142	7696	7142	6571
40°	5955	7274	5955	6283
45°	5324	6781	5324	5951
50°	5660	6192	5660	5619
55°	5331	5558	5331	5427
60°	5502	4721	5502	4970
65°	4997	3902	4997	4362
70°	3468	3110	3468	3657
75°	3053	2299	3053	2753
80°	2478	1520	2478	1655
85°	1452	805	1452	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	1.1
10°-20°	759.1	3.1
20°-30°	1173.4	4.8
30°-40°	1400.8	5.7
40°-50°	1409.0	5.7
50°-60°	1226.0	5.0
60°-70°	869.2	3.5
70°-80°	459.9	1.9
80°-90°	124.5	0.5
90°-100°	1269.3	5.2
100°-110°	3337.1	13.6
110°-120°	3460.2	14.1
120°-130°	2775.5	11.3
130°-140°	2177.8	8.9
140°-150°	1671.5	6.8
150°-160°	1203.8	4.9
160°-170°	736.5	3.0
170°-180°	248.8	1.0
0°-30°	2199.9	9.0
0°-40°	3600.6	14.7
0°-60°	6235.6	25.4
0°-90°	7689.2	31.3
90°-120°	8066.6	32.8
90°-150°	14691.3	59.8
90°-180°	16880.0	68.7
0°-180°	24569.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2962	2962	2962	2962	2962	
5°	2976	3068	2976	2412	2976	282
15°	2841	3040	2841	2539	2841	799
25°	2502	2836	2502	2483	2502	1149
35°	1903	2530	1903	2160	1903	1177
45°	1227	2085	1227	1830	1227	983
55°	1000	1538	1000	1502	1000	919
65°	695	928	695	1037	695	664
75°	263	440	263	527	263	277
85°	45	112	45	95	45	61
90°	18	66	18	66	18	16
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	



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 CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2987.0	2987.0	3003.8	3009.4	3009.4	3001.0	2992.6	3001.0	3026.3	3034.7	3031.9
5°	2975.8	2998.2	3029.1	3034.7	3040.3	3037.5	3031.9	3037.5	3065.5	3071.1	3073.9
7.5°	2953.4	2995.4	3034.7	3043.1	3051.5	3043.1	3040.3	3045.9	3073.9	3079.5	3079.5
10°	2925.4	2984.2	3029.1	3034.7	3043.1	3034.7	3034.7	3045.9	3073.9	3079.5	3082.3
12.5°	2886.2	2967.4	3009.4	3015.0	3026.3	3023.5	3020.6	3031.9	3059.9	3065.5	3065.5
15°	2841.3	2936.6	2975.8	2981.4	3001.0	2995.4	2995.4	3006.6	3037.5	3045.9	3043.1
17.5°	2779.7	2897.4	2942.2	2950.6	2964.6	2961.8	2964.6	2975.8	3003.8	3009.4	3012.2
20°	2709.6	2844.1	2897.4	2905.8	2919.8	2919.8	2919.8	2933.8	2961.8	2973.0	2973.0
22.5°	2614.4	2788.1	2844.1	2849.7	2866.5	2866.5	2872.1	2891.8	2917.0	2919.8	2919.8
25°	2502.3	2726.4	2774.1	2790.9	2807.7	2816.1	2824.5	2835.7	2844.1	2841.3	2844.1
27.5°	2384.5	2648.0	2709.6	2720.8	2743.3	2751.7	2762.9	2765.7	2768.5	2776.9	2771.3
30°	2252.8	2538.7	2631.2	2642.4	2678.8	2684.4	2673.2	2678.8	2692.8	2698.4	2704.0
32.5°	2104.3	2376.1	2549.9	2575.1	2608.8	2591.9	2589.1	2597.5	2620.0	2620.0	2625.6
35°	1902.6	2250.0	2474.3	2496.7	2521.9	2502.3	2513.5	2516.3	2530.3	2538.7	2535.9
37.5°	1681.2	2140.7	2395.7	2412.5	2432.1	2406.9	2423.7	2432.1	2443.3	2437.7	2437.7
40°	1485.1	1969.8	2303.2	2314.5	2331.3	2311.6	2328.5	2334.1	2339.7	2334.1	2331.3
42.5°	1339.4	1782.1	2205.2	2219.2	2208.0	2222.0	2227.6	2238.8	2230.4	2219.2	2219.2
45°	1227.3	1731.6	2098.7	2115.5	2098.7	2121.1	2129.5	2129.5	2104.3	2098.7	2095.9
47.5°	1190.9	1630.8	1992.2	1992.2	1983.8	2011.8	2025.8	2006.2	1981.0	1972.6	1972.6
50°	1188.0	1518.7	1846.5	1835.3	1874.5	1908.2	1894.2	1874.5	1854.9	1824.1	1824.1
52.5°	1078.8	1381.4	1658.8	1700.8	1762.5	1782.1	1759.7	1740.0	1706.4	1692.4	1681.2
55°	1000.3	1238.5	1487.9	1571.9	1636.4	1661.6	1619.6	1599.9	1549.5	1541.1	1535.5
57.5°	983.5	1031.1	1331.0	1437.4	1515.9	1513.1	1487.9	1451.4	1409.4	1401.0	1398.2
60°	902.2	745.3	1162.8	1288.9	1370.2	1361.8	1339.4	1305.7	1266.5	1260.9	1255.3
62.5°	818.2	540.8	972.3	1115.2	1230.1	1227.3	1207.7	1157.2	1129.2	1115.2	1104.0
65°	694.9	453.9	692.1	927.5	1092.8	1098.4	1056.4	1019.9	989.1	972.3	969.5
67.5°	529.6	369.9	467.9	773.4	961.1	955.5	902.2	885.4	846.2	837.8	821.0
70°	392.3	246.6	325.0	627.6	832.2	818.2	776.2	756.5	720.1	700.5	689.3
72.5°	325.0	198.9	238.2	487.5	700.5	683.7	647.3	624.8	594.0	577.2	566.0
75°	263.4	210.2	182.1	361.5	568.8	557.6	524.0	501.6	476.3	453.9	456.7
77.5°	193.3	196.1	145.7	266.2	451.1	434.3	414.7	386.7	375.5	353.1	353.1
80°	145.7	154.1	109.3	182.1	325.0	325.0	308.2	288.6	269.0	257.8	257.8
82.5°	98.1	98.1	81.3	114.9	221.4	213.0	201.7	196.1	184.9	179.3	179.3
85°	44.8	56.0	50.4	70.0	120.5	126.1	126.1	120.5	117.7	112.1	114.9
87.5°	14.0	25.2	30.8	39.2	61.6	64.4	67.2	67.2	67.2	70.0	70.0
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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3037.5	3029.1	3037.5	3031.9	3034.7	3026.3	3001.0	2992.6	3001.0	3009.4	3009.4
5°	3073.9	3068.3	3073.9	3073.9	3071.1	3065.5	3037.5	3031.9	3037.5	3040.3	3034.7
7.5°	3085.1	3076.7	3085.1	3079.5	3079.5	3073.9	3045.9	3040.3	3043.1	3051.5	3043.1
10°	3085.1	3076.7	3085.1	3082.3	3079.5	3073.9	3045.9	3034.7	3034.7	3043.1	3034.7
12.5°	3071.1	3065.5	3071.1	3065.5	3065.5	3059.9	3031.9	3020.6	3023.5	3026.3	3015.0
15°	3048.7	3040.3	3048.7	3043.1	3045.9	3037.5	3006.6	2995.4	2995.4	3001.0	2981.4
17.5°	3015.0	3003.8	3015.0	3012.2	3009.4	3003.8	2975.8	2964.6	2961.8	2964.6	2950.6
20°	2975.8	2967.4	2975.8	2973.0	2973.0	2961.8	2933.8	2919.8	2919.8	2919.8	2905.8
22.5°	2914.2	2905.8	2914.2	2919.8	2919.8	2917.0	2891.8	2872.1	2866.5	2866.5	2849.7
25°	2844.1	2835.7	2844.1	2844.1	2841.3	2844.1	2835.7	2824.5	2816.1	2807.7	2790.9
27.5°	2776.9	2771.3	2776.9	2771.3	2776.9	2768.5	2765.7	2762.9	2751.7	2743.3	2720.8
30°	2709.6	2704.0	2709.6	2704.0	2698.4	2692.8	2678.8	2673.2	2684.4	2678.8	2642.4
32.5°	2625.6	2620.0	2625.6	2625.6	2620.0	2620.0	2597.5	2589.1	2591.9	2608.8	2575.1
35°	2538.7	2530.3	2538.7	2535.9	2538.7	2530.3	2516.3	2513.5	2502.3	2521.9	2496.7
37.5°	2437.7	2429.3	2437.7	2437.7	2437.7	2443.3	2432.1	2423.7	2406.9	2432.1	2412.5
40°	2334.1	2322.9	2334.1	2331.3	2334.1	2339.7	2334.1	2328.5	2311.6	2331.3	2314.5
42.5°	2216.4	2213.6	2216.4	2219.2	2219.2	2230.4	2238.8	2227.6	2222.0	2208.0	2219.2
45°	2090.3	2084.7	2090.3	2095.9	2098.7	2104.3	2129.5	2129.5	2121.1	2098.7	2115.5
47.5°	1955.8	1941.8	1955.8	1972.6	1972.6	1981.0	2006.2	2025.8	2011.8	1983.8	1992.2
50°	1812.9	1815.7	1812.9	1824.1	1824.1	1854.9	1874.5	1894.2	1908.2	1874.5	1835.3
52.5°	1672.8	1670.0	1672.8	1681.2	1692.4	1706.4	1740.0	1759.7	1782.1	1762.5	1700.8
55°	1532.7	1538.3	1532.7	1535.5	1541.1	1549.5	1599.9	1619.6	1661.6	1636.4	1571.9
57.5°	1392.6	1384.2	1392.6	1398.2	1401.0	1409.4	1451.4	1487.9	1513.1	1515.9	1437.4
60°	1230.1	1218.9	1230.1	1255.3	1260.9	1266.5	1305.7	1339.4	1361.8	1370.2	1288.9
62.5°	1087.2	1067.6	1087.2	1104.0	1115.2	1129.2	1157.2	1207.7	1227.3	1230.1	1115.2
65°	935.9	927.5	935.9	969.5	972.3	989.1	1019.9	1056.4	1098.4	1092.8	927.5
67.5°	798.6	798.6	798.6	821.0	837.8	846.2	885.4	902.2	955.5	961.1	773.4
70°	672.5	669.7	672.5	689.3	700.5	720.1	756.5	776.2	818.2	832.2	627.6
72.5°	552.0	549.2	552.0	566.0	577.2	594.0	624.8	647.3	683.7	700.5	487.5
75°	445.5	439.9	445.5	456.7	453.9	476.3	501.6	524.0	557.6	568.8	361.5
77.5°	341.8	341.8	341.8	353.1	353.1	375.5	386.7	414.7	434.3	451.1	266.2
80°	255.0	252.2	255.0	257.8	257.8	269.0	288.6	308.2	325.0	325.0	182.1
82.5°	179.3	173.7	179.3	179.3	179.3	184.9	196.1	201.7	213.0	221.4	114.9
85°	112.1	112.1	112.1	114.9	112.1	117.7	120.5	126.1	126.1	120.5	70.0
87.5°	72.9	70.0	72.9	70.0	70.0	67.2	67.2	67.2	64.4	61.6	39.2
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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3003.8	2987.0	2987.0	2959.0	2947.8	2939.4	2925.4	2883.4	2872.1	2860.9	2877.7
5°	3029.1	2998.2	2975.8	2925.4	2883.4	2866.5	2813.3	2712.4	2645.2	2594.7	2566.7
7.5°	3034.7	2995.4	2953.4	2874.9	2774.1	2729.2	2566.7	2381.7	2331.3	2286.4	2258.4
10°	3029.1	2984.2	2925.4	2807.7	2569.5	2491.1	2328.5	2208.0	2177.2	2168.7	2177.2
12.5°	3009.4	2967.4	2886.2	2690.0	2356.5	2303.2	2208.0	2137.9	2132.3	2146.3	2222.0
15°	2975.8	2936.6	2841.3	2533.1	2238.8	2199.6	2132.3	2107.1	2137.9	2236.0	2463.0
17.5°	2942.2	2897.4	2779.7	2378.9	2149.1	2121.1	2073.5	2123.9	2297.6	2429.3	2505.1
20°	2897.4	2844.1	2709.6	2266.8	2084.7	2059.5	2037.1	2264.0	2395.7	2443.3	2485.5
22.5°	2844.1	2788.1	2614.4	2188.4	2017.4	1997.8	2011.8	2342.5	2395.7	2429.3	2465.8
25°	2774.1	2726.4	2502.3	2126.7	1964.2	1941.8	1995.0	2334.1	2364.9	2373.3	2446.1
27.5°	2709.6	2648.0	2384.5	2070.7	1899.8	1891.4	2009.0	2297.6	2320.1	2328.5	2406.9
30°	2631.2	2538.7	2252.8	2011.8	1832.5	1829.7	2011.8	2252.8	2247.2	2269.6	2348.1
32.5°	2549.9	2376.1	2104.3	1939.0	1768.1	1765.3	1992.2	2185.6	2180.0	2210.8	2269.6
35°	2474.3	2250.0	1902.6	1854.9	1686.8	1689.6	1944.6	2107.1	2109.9	2137.9	2174.4
37.5°	2395.7	2140.7	1681.2	1762.5	1608.3	1608.3	1880.1	2034.3	2028.6	2037.1	2087.5
40°	2303.2	1969.8	1485.1	1642.0	1535.5	1527.1	1801.7	1955.8	1936.2	1933.4	2003.4
42.5°	2205.2	1782.1	1339.4	1482.3	1451.4	1440.2	1706.4	1860.5	1824.1	1832.5	1922.2
45°	2098.7	1731.6	1227.3	1252.5	1364.6	1356.2	1602.7	1751.2	1726.0	1748.4	1840.9
47.5°	1992.2	1630.8	1190.9	1039.5	1272.1	1269.3	1487.9	1644.8	1630.8	1653.2	1751.2
50°	1846.5	1518.7	1188.0	891.0	1168.4	1179.6	1350.6	1541.1	1541.1	1560.7	1664.4
52.5°	1658.8	1381.4	1078.8	807.0	1047.9	1081.6	1230.1	1451.4	1457.0	1476.7	1569.1
55°	1487.9	1238.5	1000.3	742.5	905.0	977.9	1112.4	1359.0	1370.2	1389.8	1473.9
57.5°	1331.0	1031.1	983.5	666.9	773.4	843.4	1008.7	1269.3	1274.9	1291.7	1373.0
60°	1162.8	745.3	902.2	585.6	658.5	711.7	913.5	1162.8	1182.4	1193.7	1263.7
62.5°	972.3	540.8	818.2	529.6	602.4	613.6	835.0	1062.0	1087.2	1095.6	1137.6
65°	692.1	453.9	694.9	481.9	543.6	546.4	750.9	958.3	980.7	994.7	1025.5
67.5°	467.9	369.9	529.6	437.1	498.8	501.6	669.7	837.8	868.6	879.8	899.4
70°	325.0	246.6	392.3	389.5	448.3	453.9	582.8	728.5	756.5	764.9	776.2
72.5°	238.2	198.9	325.0	350.2	395.1	400.7	493.2	605.2	633.3	641.7	647.3
75°	182.1	210.2	263.4	305.4	336.2	339.0	403.5	493.2	512.8	518.4	521.2
77.5°	145.7	196.1	193.3	246.6	274.6	269.0	316.6	381.1	397.9	397.9	397.9
80°	109.3	154.1	145.7	176.5	201.7	196.1	227.0	271.8	277.4	283.0	280.2
82.5°	81.3	98.1	98.1	112.1	134.5	128.9	151.3	176.5	176.5	176.5	182.1
85°	50.4	56.0	44.8	58.8	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.2	42.0	39.2	39.2	39.2
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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-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: P935981
 CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2858.1	2849.7	2860.9	2830.1	2860.9	2849.7	2858.1	2877.7	2860.9	2872.1	2883.4
5°	2507.9	2493.9	2448.9	2412.5	2448.9	2493.9	2507.9	2566.7	2594.7	2645.2	2712.4
7.5°	2241.6	2230.4	2219.2	2196.8	2219.2	2230.4	2241.6	2258.4	2286.4	2331.3	2381.7
10°	2182.8	2185.6	2202.4	2199.6	2202.4	2185.6	2182.8	2177.2	2168.7	2177.2	2208.0
12.5°	2334.1	2359.3	2451.8	2446.1	2451.8	2359.3	2334.1	2222.0	2146.3	2132.3	2137.9
15°	2507.9	2516.3	2535.9	2538.7	2535.9	2516.3	2507.9	2463.0	2236.0	2137.9	2107.1
17.5°	2524.7	2527.5	2541.5	2541.5	2541.5	2527.5	2524.7	2505.1	2429.3	2297.6	2123.9
20°	2510.7	2516.3	2544.3	2549.9	2544.3	2516.3	2510.7	2485.5	2443.3	2395.7	2264.0
22.5°	2505.1	2516.3	2538.7	2535.9	2538.7	2516.3	2505.1	2465.8	2429.3	2395.7	2342.5
25°	2477.1	2477.1	2479.9	2482.7	2479.9	2477.1	2477.1	2446.1	2373.3	2364.9	2334.1
27.5°	2418.1	2423.7	2440.5	2437.7	2440.5	2423.7	2418.1	2406.9	2328.5	2320.1	2297.6
30°	2364.9	2359.3	2345.3	2334.1	2345.3	2359.3	2364.9	2348.1	2269.6	2247.2	2252.8
32.5°	2275.2	2261.2	2247.2	2238.8	2247.2	2261.2	2275.2	2269.6	2210.8	2180.0	2185.6
35°	2168.7	2171.6	2168.7	2160.3	2168.7	2171.6	2168.7	2174.4	2137.9	2109.9	2107.1
37.5°	2093.1	2098.7	2095.9	2084.7	2095.9	2098.7	2093.1	2087.5	2037.1	2028.6	2034.3
40°	2014.6	2017.4	2014.6	2006.2	2014.6	2017.4	2014.6	2003.4	1933.4	1936.2	1955.8
42.5°	1939.0	1936.2	1927.8	1922.2	1927.8	1936.2	1939.0	1922.2	1832.5	1824.1	1860.5
45°	1852.1	1854.9	1838.1	1829.7	1838.1	1854.9	1852.1	1840.9	1748.4	1726.0	1751.2
47.5°	1765.3	1765.3	1751.2	1742.8	1751.2	1765.3	1765.3	1751.2	1653.2	1630.8	1644.8
50°	1672.8	1670.0	1650.4	1647.6	1650.4	1670.0	1672.8	1664.4	1560.7	1541.1	1541.1
52.5°	1566.3	1566.3	1569.1	1574.7	1569.1	1566.3	1566.3	1569.1	1476.7	1457.0	1451.4
55°	1473.9	1476.7	1496.3	1501.9	1496.3	1476.7	1473.9	1473.9	1389.8	1370.2	1359.0
57.5°	1378.6	1378.6	1392.6	1392.6	1392.6	1378.6	1378.6	1373.0	1291.7	1274.9	1269.3
60°	1269.3	1274.9	1286.1	1283.3	1286.1	1274.9	1269.3	1263.7	1193.7	1182.4	1162.8
62.5°	1154.4	1160.0	1162.8	1157.2	1162.8	1160.0	1154.4	1137.6	1095.6	1087.2	1062.0
65°	1033.9	1039.5	1042.3	1036.7	1042.3	1039.5	1033.9	1025.5	994.7	980.7	958.3
67.5°	910.6	907.8	905.0	916.3	905.0	907.8	910.6	899.4	879.8	868.6	837.8
70°	784.6	784.6	781.8	787.4	781.8	784.6	784.6	776.2	764.9	756.5	728.5
72.5°	650.1	647.3	658.5	650.1	658.5	647.3	650.1	647.3	641.7	633.3	605.2
75°	518.4	524.0	518.4	526.8	518.4	524.0	518.4	521.2	518.4	512.8	493.2
77.5°	395.1	400.7	395.1	395.1	395.1	400.7	395.1	397.9	397.9	397.9	381.1
80°	280.2	277.4	277.4	274.6	277.4	277.4	280.2	280.2	283.0	277.4	271.8
82.5°	179.3	176.5	176.5	182.1	176.5	176.5	179.3	182.1	176.5	176.5	176.5
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.4	33.6	33.6	33.6	33.6	33.6	36.4	39.2	39.2	39.2	42.0
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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2925.4	2939.4	2947.8	2959.0	2987.0
5°	2813.3	2866.5	2883.4	2925.4	2975.8
7.5°	2566.7	2729.2	2774.1	2874.9	2953.4
10°	2328.5	2491.1	2569.5	2807.7	2925.4
12.5°	2208.0	2303.2	2356.5	2690.0	2886.2
15°	2132.3	2199.6	2238.8	2533.1	2841.3
17.5°	2073.5	2121.1	2149.1	2378.9	2779.7
20°	2037.1	2059.5	2084.7	2266.8	2709.6
22.5°	2011.8	1997.8	2017.4	2188.4	2614.4
25°	1995.0	1941.8	1964.2	2126.7	2502.3
27.5°	2009.0	1891.4	1899.8	2070.7	2384.5
30°	2011.8	1829.7	1832.5	2011.8	2252.8
32.5°	1992.2	1765.3	1768.1	1939.0	2104.3
35°	1944.6	1689.6	1686.8	1854.9	1902.6
37.5°	1880.1	1608.3	1608.3	1762.5	1681.2
40°	1801.7	1527.1	1535.5	1642.0	1485.1
42.5°	1706.4	1440.2	1451.4	1482.3	1339.4
45°	1602.7	1356.2	1364.6	1252.5	1227.3
47.5°	1487.9	1269.3	1272.1	1039.5	1190.9
50°	1350.6	1179.6	1168.4	891.0	1188.0
52.5°	1230.1	1081.6	1047.9	807.0	1078.8
55°	1112.4	977.9	905.0	742.5	1000.3
57.5°	1008.7	843.4	773.4	666.9	983.5
60°	913.5	711.7	658.5	585.6	902.2
62.5°	835.0	613.6	602.4	529.6	818.2
65°	750.9	546.4	543.6	481.9	694.9
67.5°	669.7	501.6	498.8	437.1	529.6
70°	582.8	453.9	448.3	389.5	392.3
72.5°	493.2	400.7	395.1	350.2	325.0
75°	403.5	339.0	336.2	305.4	263.4
77.5°	316.6	269.0	274.6	246.6	193.3
80°	227.0	196.1	201.7	176.5	145.7
82.5°	151.3	128.9	134.5	112.1	98.1
85°	84.1	72.9	75.7	58.8	44.8
87.5°	39.2	33.6	33.6	22.4	14.0
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: P935981

CATALOG NUMBER: SQ4-FA-150U-075D-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: P935981
 CATALOG NUMBER: SQ4-FA-150U-075D-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	10.47	11.18	11.57	12.28	13.80	13.32	14.03	14.42	15.13	16.65
	3H	10.93	11.57	12.04	12.68	14.21	14.66	15.30	15.77	16.41	17.94
	4H	11.12	11.72	12.24	12.83	14.37	15.10	15.71	16.22	16.82	18.36
	6H	11.23	11.79	12.36	12.90	14.45	15.38	15.94	16.51	17.05	18.60
	8H	11.23	11.76	12.36	12.88	14.43	15.46	15.99	16.59	17.12	18.66
	12H	11.19	11.70	12.33	12.82	14.38	15.49	16.00	16.63	17.12	18.69
4H	2H	11.49	12.09	12.62	13.20	14.74	13.71	14.32	14.84	15.42	16.96
	3H	12.50	13.01	13.64	14.14	15.69	15.21	15.71	16.34	16.85	18.40
	4H	12.77	13.24	13.91	14.36	15.93	15.73	16.20	16.87	17.32	18.89
	6H	12.89	13.29	14.03	14.43	15.99	16.10	16.49	17.24	17.64	19.20
	8H	12.89	13.26	14.03	14.40	15.98	16.20	16.57	17.35	17.71	19.29
	12H	12.85	13.19	14.01	14.34	15.92	16.26	16.59	17.42	17.74	19.33
8H	4H	13.22	13.59	14.36	14.73	16.30	15.85	16.22	16.99	17.36	18.93
	6H	13.47	13.78	14.64	14.96	16.53	16.28	16.59	17.45	17.77	19.34
	8H	13.51	13.78	14.68	14.94	16.53	16.44	16.70	17.61	17.86	19.46
	12H	13.49	13.72	14.66	14.88	16.51	16.53	16.77	17.71	17.92	19.55
12H	4H	13.22	13.55	14.38	14.70	16.29	15.80	16.14	16.96	17.29	18.87
	6H	13.53	13.80	14.70	14.96	16.55	16.28	16.55	17.45	17.71	19.30
	8H	13.59	13.83	14.77	14.98	16.61	16.44	16.67	17.61	17.83	19.46