

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: P935925

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935925
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-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

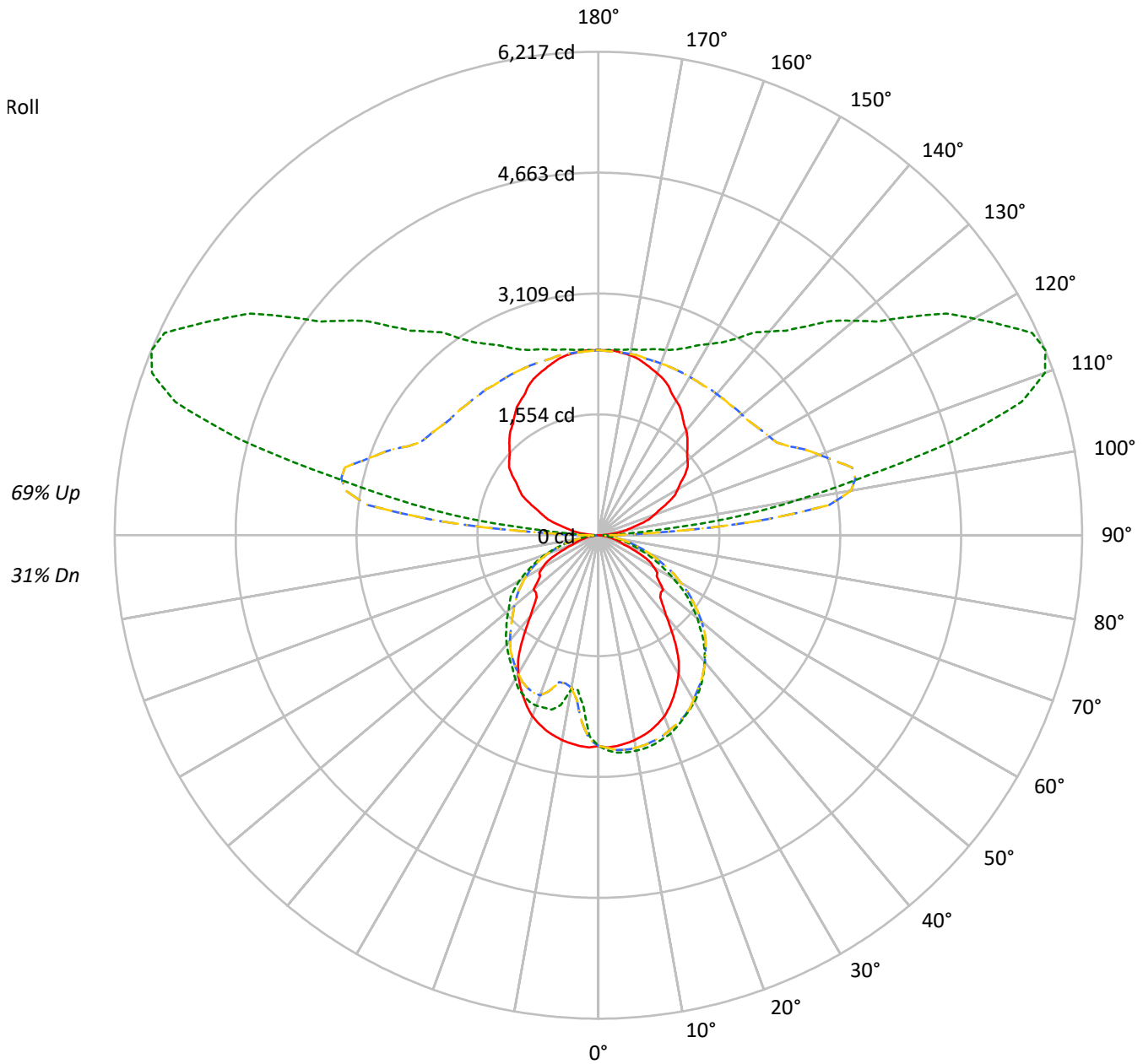
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22468.6 lumens
Efficiency: N/A
Efficacy: 117.8 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 (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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8378	8378	8378	8378
5°	8443	8457	8443	6649
10°	8390	8330	8390	5956
15°	8302	8150	8302	6805
20°	8132	7936	8132	6820
25°	7779	7624	7779	6675
30°	7323	7365	7323	6358
35°	6532	7038	6532	6009
40°	5446	6652	5446	5746
45°	4869	6201	4869	5442
50°	5177	5663	5177	5139
55°	4875	5083	4875	4962
60°	5032	4317	5032	4545
65°	4569	3568	4569	3989
70°	3171	2844	3171	3344
75°	2792	2102	2792	2517
80°	2266	1390	2266	1513
85°	1329	736	1329	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	1.1
10°-20°	694.2	3.1
20°-30°	1073.1	4.8
30°-40°	1281.0	5.7
40°-50°	1288.5	5.7
50°-60°	1121.1	5.0
60°-70°	794.9	3.5
70°-80°	420.6	1.9
80°-90°	113.8	0.5
90°-100°	1160.8	5.2
100°-110°	3051.7	13.6
110°-120°	3164.3	14.1
120°-130°	2538.1	11.3
130°-140°	1991.5	8.9
140°-150°	1528.6	6.8
150°-160°	1100.8	4.9
160°-170°	673.6	3.0
170°-180°	227.6	1.0
0°-30°	2011.7	9.0
0°-40°	3292.7	14.7
0°-60°	5702.4	25.4
0°-90°	7031.7	31.3
90°-120°	7376.7	32.8
90°-150°	13435.0	59.8
90°-180°	15437.0	68.7
0°-180°	22468.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2708	2708	2708	2708	2708	
5°	2721	2806	2721	2206	2721	258
15°	2598	2780	2598	2322	2598	731
25°	2288	2593	2288	2270	2288	1051
35°	1740	2314	1740	1976	1740	1076
45°	1122	1906	1122	1673	1122	899
55°	915	1407	915	1373	915	841
65°	636	848	636	948	636	607
75°	241	402	241	482	241	253
85°	41	102	41	87	41	55
90°	16	61	16	61	16	15
95°	153	702	153	702	153	170
105°	550	4779	550	4779	550	583
115°	976	6153	976	6153	976	964
125°	1358	4900	1358	4900	1358	1206
135°	1619	3802	1619	3802	1619	1253
145°	1878	3084	1878	3084	1878	1176
155°	2122	2656	2122	2656	2122	975
165°	2290	2474	2290	2474	2290	646
175°	2381	2397	2381	2397	2381	226
180°	2381	2381	2381	2381	2381	



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 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2731.6	2731.6	2747.0	2752.1	2752.1	2744.4	2736.7	2744.4	2767.5	2775.1	2772.6
5°	2721.3	2741.8	2770.0	2775.1	2780.3	2777.7	2772.6	2777.7	2803.3	2808.5	2811.0
7.5°	2700.8	2739.3	2775.1	2782.8	2790.5	2782.8	2780.3	2785.4	2811.0	2816.1	2816.1
10°	2675.2	2729.0	2770.0	2775.1	2782.8	2775.1	2775.1	2785.4	2811.0	2816.1	2818.7
12.5°	2639.3	2713.7	2752.1	2757.2	2767.5	2764.9	2762.3	2772.6	2798.2	2803.3	2803.3
15°	2598.3	2685.5	2721.3	2726.5	2744.4	2739.3	2739.3	2749.5	2777.7	2785.4	2782.8
17.5°	2542.0	2649.6	2690.6	2698.3	2711.1	2708.5	2711.1	2721.3	2747.0	2752.1	2754.6
20°	2477.9	2600.9	2649.6	2657.3	2670.1	2670.1	2670.1	2682.9	2708.5	2718.8	2718.8
22.5°	2390.8	2549.7	2600.9	2606.0	2621.4	2621.4	2626.5	2644.5	2667.5	2670.1	2670.1
25°	2288.3	2493.3	2536.8	2552.2	2567.6	2575.3	2583.0	2593.2	2600.9	2598.3	2600.9
27.5°	2180.6	2421.5	2477.9	2488.2	2508.7	2516.3	2526.6	2529.2	2531.7	2539.4	2534.3
30°	2060.2	2321.6	2406.2	2416.4	2449.7	2454.8	2444.6	2449.7	2462.5	2467.7	2472.8
32.5°	1924.4	2172.9	2331.9	2354.9	2385.7	2370.3	2367.7	2375.4	2395.9	2395.9	2401.0
35°	1739.9	2057.6	2262.7	2283.2	2306.2	2288.3	2298.5	2301.1	2313.9	2321.6	2319.0
37.5°	1537.4	1957.7	2190.8	2206.2	2224.1	2201.1	2216.5	2224.1	2234.4	2229.3	2229.3
40°	1358.1	1801.4	2106.3	2116.5	2131.9	2114.0	2129.3	2134.5	2139.6	2134.5	2131.9
42.5°	1224.8	1629.7	2016.6	2029.4	2019.2	2032.0	2037.1	2047.3	2039.7	2029.4	2029.4
45°	1122.3	1583.6	1919.2	1934.6	1919.2	1939.7	1947.4	1947.4	1924.4	1919.2	1916.7
47.5°	1089.0	1491.3	1821.9	1821.9	1814.2	1839.8	1852.6	1834.7	1811.6	1803.9	1803.9
50°	1086.5	1388.8	1688.6	1678.4	1714.2	1745.0	1732.2	1714.2	1696.3	1668.1	1668.1
52.5°	986.5	1263.3	1516.9	1555.4	1611.7	1629.7	1609.2	1591.2	1560.5	1547.7	1537.4
55°	914.8	1132.6	1360.6	1437.5	1496.4	1519.5	1481.1	1463.1	1417.0	1409.3	1404.2
57.5°	899.4	943.0	1217.1	1314.5	1386.2	1383.7	1360.6	1327.3	1288.9	1281.2	1278.6
60°	825.1	681.6	1063.4	1178.7	1253.0	1245.3	1224.8	1194.1	1158.2	1153.1	1147.9
62.5°	748.2	494.5	889.1	1019.8	1124.9	1122.3	1104.4	1058.3	1032.6	1019.8	1009.6
65°	635.5	415.1	632.9	848.1	999.3	1004.5	966.0	932.7	904.5	889.1	886.6
67.5°	484.3	338.2	427.9	707.2	878.9	873.8	825.1	809.7	773.8	766.2	750.8
70°	358.7	225.5	297.2	574.0	761.0	748.2	709.8	691.8	658.5	640.6	630.3
72.5°	297.2	181.9	217.8	445.9	640.6	625.2	591.9	571.4	543.2	527.9	517.6
75°	240.9	192.2	166.6	330.5	520.2	509.9	479.2	458.7	435.6	415.1	417.7
77.5°	176.8	179.4	133.2	243.4	412.5	397.2	379.2	353.6	343.4	322.9	322.9
80°	133.2	140.9	99.9	166.6	297.2	297.2	281.9	263.9	246.0	235.7	235.7
82.5°	89.7	89.7	74.3	105.1	202.4	194.7	184.5	179.4	169.1	164.0	164.0
85°	41.0	51.2	46.1	64.1	110.2	115.3	115.3	110.2	107.6	102.5	105.1
87.5°	12.8	23.1	28.2	35.9	56.4	58.9	61.5	61.5	61.5	64.1	64.1
90°	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0	60.7	60.7
92.5°	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4	303.6	291.6
95°	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7	1030.8	994.3
97.5°	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7	2379.7	2310.1
100°	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8	3341.8	3258.8
102.5°	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3	4163.3	4092.2
105°	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3	5122.1	5083.9
107.5°	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8	5620.8	5630.0
110°	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8	5748.6	5788.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0	5667.1	5728.2
115°	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6	5390.7	5475.4
117.5°	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0	5008.7	5102.6
120°	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4	4751.3	4842.6
122.5°	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7	4494.1	4584.1
125°	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4	4153.6	4236.6
127.5°	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1	3880.4	3950.3
130°	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8	3707.8	3772.4
132.5°	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0	3560.8	3618.7
135°	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1	3353.0	3402.8
137.5°	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7	3199.6	3240.4
140°	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0	3076.5	3114.7
142.5°	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4	2990.2	3023.1
145°	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8	2860.7	2885.6
147.5°	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3	2752.1	2772.7
150°	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8	2689.7	2706.4
152.5°	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8	2640.2	2652.8
155°	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4	2581.1	2589.5
157.5°	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2	2529.9	2535.8
160°	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1	2504.3	2507.7
162.5°	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3	2480.4	2483.5
165°	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7	2443.6	2447.0
167.5°	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4	2427.6	2429.1
170°	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4	2427.6	2427.6
172.5°	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9	2414.9	2413.6
175°	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1	2397.3	2397.3
177.5°	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1	2394.0	2392.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2777.7	2770.0	2777.7	2772.6	2775.1	2767.5	2744.4	2736.7	2744.4	2752.1	2752.1
5°	2811.0	2805.9	2811.0	2811.0	2808.5	2803.3	2777.7	2772.6	2777.7	2780.3	2775.1
7.5°	2821.3	2813.6	2821.3	2816.1	2816.1	2811.0	2785.4	2780.3	2782.8	2790.5	2782.8
10°	2821.3	2813.6	2821.3	2818.7	2816.1	2811.0	2785.4	2775.1	2775.1	2782.8	2775.1
12.5°	2808.5	2803.3	2808.5	2803.3	2803.3	2798.2	2772.6	2762.3	2764.9	2767.5	2757.2
15°	2788.0	2780.3	2788.0	2782.8	2785.4	2777.7	2749.5	2739.3	2739.3	2744.4	2726.5
17.5°	2757.2	2747.0	2757.2	2754.6	2752.1	2747.0	2721.3	2711.1	2708.5	2711.1	2698.3
20°	2721.3	2713.7	2721.3	2718.8	2718.8	2708.5	2682.9	2670.1	2670.1	2670.1	2657.3
22.5°	2665.0	2657.3	2665.0	2670.1	2670.1	2667.5	2644.5	2626.5	2621.4	2621.4	2606.0
25°	2600.9	2593.2	2600.9	2600.9	2598.3	2600.9	2593.2	2583.0	2575.3	2567.6	2552.2
27.5°	2539.4	2534.3	2539.4	2534.3	2539.4	2531.7	2529.2	2526.6	2516.3	2508.7	2488.2
30°	2477.9	2472.8	2477.9	2472.8	2467.7	2462.5	2449.7	2444.6	2454.8	2449.7	2416.4
32.5°	2401.0	2395.9	2401.0	2401.0	2395.9	2395.9	2375.4	2367.7	2370.3	2385.7	2354.9
35°	2321.6	2313.9	2321.6	2319.0	2321.6	2313.9	2301.1	2298.5	2288.3	2306.2	2283.2
37.5°	2229.3	2221.6	2229.3	2229.3	2229.3	2234.4	2224.1	2216.5	2201.1	2224.1	2206.2
40°	2134.5	2124.2	2134.5	2131.9	2134.5	2139.6	2134.5	2129.3	2114.0	2131.9	2116.5
42.5°	2026.8	2024.3	2026.8	2029.4	2029.4	2039.7	2047.3	2037.1	2032.0	2019.2	2029.4
45°	1911.5	1906.4	1911.5	1916.7	1919.2	1924.4	1947.4	1947.4	1939.7	1919.2	1934.6
47.5°	1788.5	1775.7	1788.5	1803.9	1803.9	1811.6	1834.7	1852.6	1839.8	1814.2	1821.9
50°	1657.9	1660.4	1657.9	1668.1	1668.1	1696.3	1714.2	1732.2	1745.0	1714.2	1678.4
52.5°	1529.7	1527.2	1529.7	1537.4	1547.7	1560.5	1591.2	1609.2	1629.7	1611.7	1555.4
55°	1401.6	1406.7	1401.6	1404.2	1409.3	1417.0	1463.1	1481.1	1519.5	1496.4	1437.5
57.5°	1273.5	1265.8	1273.5	1278.6	1281.2	1288.9	1327.3	1360.6	1383.7	1386.2	1314.5
60°	1124.9	1114.6	1124.9	1147.9	1153.1	1158.2	1194.1	1224.8	1245.3	1253.0	1178.7
62.5°	994.2	976.3	994.2	1009.6	1019.8	1032.6	1058.3	1104.4	1122.3	1124.9	1019.8
65°	855.8	848.1	855.8	886.6	889.1	904.5	932.7	966.0	1004.5	999.3	848.1
67.5°	730.3	730.3	730.3	750.8	766.2	773.8	809.7	825.1	873.8	878.9	707.2
70°	615.0	612.4	615.0	630.3	640.6	658.5	691.8	709.8	748.2	761.0	574.0
72.5°	504.8	502.2	504.8	517.6	527.9	543.2	571.4	591.9	625.2	640.6	445.9
75°	407.4	402.3	407.4	417.7	415.1	435.6	458.7	479.2	509.9	520.2	330.5
77.5°	312.6	312.6	312.6	322.9	322.9	343.4	353.6	379.2	397.2	412.5	243.4
80°	233.2	230.6	233.2	235.7	235.7	246.0	263.9	281.9	297.2	297.2	166.6
82.5°	164.0	158.9	164.0	164.0	164.0	169.1	179.4	184.5	194.7	202.4	105.1
85°	102.5	102.5	102.5	105.1	102.5	107.6	110.2	115.3	115.3	110.2	64.1
87.5°	66.6	64.1	66.6	64.1	64.1	61.5	61.5	61.5	58.9	56.4	35.9
90°	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4	70.3	44.8
92.5°	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5	433.6	308.4
95°	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6	1067.1	600.9
97.5°	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6	1437.3	660.1
100°	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0	1572.1	709.6
102.5°	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2	1633.9	759.1
105°	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1	1679.7	832.7
107.5°	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0	1688.2	941.3
110°	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2	1675.5	1002.1



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5	1676.0	1075.6
115°	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5	1691.4	1185.9
117.5°	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0	1722.8	1292.9
120°	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6	1748.4	1355.2
122.5°	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4	1785.2	1428.8
125°	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3	1834.8	1523.1
127.5°	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4	1884.2	1614.1
130°	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9	1920.4	1674.9
132.5°	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2	1949.7	1724.4
135°	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2	1981.7	1782.0
137.5°	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9	2029.7	1855.5
140°	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2	2059.0	1905.0
142.5°	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4	2083.5	1941.8
145°	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4	2115.4	1997.7
147.5°	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0	2162.3	2068.0
150°	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2	2186.8	2104.8
152.5°	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5	2202.8	2128.7
155°	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2	2238.0	2181.5
157.5°	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9	2273.1	2234.2
160°	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3	2289.1	2258.2
162.5°	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0	2306.1	2283.8
165°	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2	2330.7	2320.6
167.5°	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2	2349.9	2341.3
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5	2365.8	2365.3
172.5°	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1	2376.5	2381.3
177.5°	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6	2377.6	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2747.0	2731.6	2731.6	2706.0	2695.7	2688.0	2675.2	2636.8	2626.5	2616.3	2631.7
5°	2770.0	2741.8	2721.3	2675.2	2636.8	2621.4	2572.7	2480.5	2419.0	2372.9	2347.2
7.5°	2775.1	2739.3	2700.8	2629.1	2536.8	2495.8	2347.2	2178.0	2131.9	2090.9	2065.3
10°	2770.0	2729.0	2675.2	2567.6	2349.8	2278.0	2129.3	2019.2	1991.0	1983.3	1991.0
12.5°	2752.1	2713.7	2639.3	2460.0	2155.0	2106.3	2019.2	1955.1	1950.0	1962.8	2032.0
15°	2721.3	2685.5	2598.3	2316.5	2047.3	2011.5	1950.0	1926.9	1955.1	2044.8	2252.3
17.5°	2690.6	2649.6	2542.0	2175.5	1965.3	1939.7	1896.2	1942.3	2101.2	2221.6	2290.9
20°	2649.6	2600.9	2477.9	2073.0	1906.4	1883.4	1862.9	2070.4	2190.8	2234.4	2272.9
22.5°	2600.9	2549.7	2390.8	2001.2	1844.9	1827.0	1839.8	2142.2	2190.8	2221.6	2254.9
25°	2536.8	2493.3	2288.3	1944.8	1796.2	1775.7	1824.4	2134.5	2162.7	2170.3	2237.0
27.5°	2477.9	2421.5	2180.6	1893.6	1737.3	1729.6	1837.2	2101.2	2121.7	2129.3	2201.1
30°	2406.2	2321.6	2060.2	1839.8	1675.8	1673.2	1839.8	2060.2	2055.0	2075.5	2147.3
32.5°	2331.9	2172.9	1924.4	1773.2	1616.9	1614.3	1821.9	1998.7	1993.5	2021.7	2075.5
35°	2262.7	2057.6	1739.9	1696.3	1542.6	1545.1	1778.3	1926.9	1929.5	1955.1	1988.4
37.5°	2190.8	1957.7	1537.4	1611.7	1470.8	1470.8	1719.4	1860.3	1855.2	1862.9	1909.0
40°	2106.3	1801.4	1358.1	1501.6	1404.2	1396.5	1647.6	1788.5	1770.6	1768.0	1832.1
42.5°	2016.6	1629.7	1224.8	1355.5	1327.3	1317.1	1560.5	1701.4	1668.1	1675.8	1757.8
45°	1919.2	1583.6	1122.3	1145.4	1247.9	1240.2	1465.7	1601.5	1578.4	1598.9	1683.5
47.5°	1821.9	1491.3	1089.0	950.6	1163.3	1160.8	1360.6	1504.1	1491.3	1511.8	1601.5
50°	1688.6	1388.8	1086.5	814.8	1068.5	1078.8	1235.1	1409.3	1409.3	1427.2	1522.1
52.5°	1516.9	1263.3	986.5	738.0	958.3	989.1	1124.9	1327.3	1332.4	1350.4	1434.9
55°	1360.6	1132.6	914.8	679.0	827.7	894.3	1017.3	1242.8	1253.0	1270.9	1347.8
57.5°	1217.1	943.0	899.4	609.8	707.2	771.3	922.5	1160.8	1165.9	1181.3	1255.6
60°	1063.4	681.6	825.1	535.5	602.2	650.8	835.3	1063.4	1081.3	1091.6	1155.6
62.5°	889.1	494.5	748.2	484.3	550.9	561.2	763.6	971.1	994.2	1001.9	1040.3
65°	632.9	415.1	635.5	440.7	497.1	499.7	686.7	876.3	896.8	909.6	937.8
67.5°	427.9	338.2	484.3	399.7	456.1	458.7	612.4	766.2	794.3	804.6	822.5
70°	297.2	225.5	358.7	356.2	410.0	415.1	533.0	666.2	691.8	699.5	709.8
72.5°	217.8	181.9	297.2	320.3	361.3	366.4	451.0	553.5	579.1	586.8	591.9
75°	166.6	192.2	240.9	279.3	307.5	310.0	369.0	451.0	468.9	474.0	476.6
77.5°	133.2	179.4	176.8	225.5	251.1	246.0	289.5	348.5	363.9	363.9	363.9
80°	99.9	140.9	133.2	161.4	184.5	179.4	207.6	248.6	253.7	258.8	256.2
82.5°	74.3	89.7	89.7	102.5	123.0	117.9	138.4	161.4	161.4	161.4	166.6
85°	46.1	51.2	41.0	53.8	69.2	66.6	76.9	87.1	89.7	89.7	84.6
87.5°	28.2	23.1	12.8	20.5	30.7	30.7	35.9	38.4	35.9	35.9	35.9
90°	41.6	28.8	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0
92.5°	281.3	172.5	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4
95°	551.2	352.2	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7
97.5°	616.2	440.7	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7
100°	669.8	510.7	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8
102.5°	722.0	573.5	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3
105°	801.3	675.5	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3
107.5°	912.0	794.9	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8
110°	975.6	869.8	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1050.4	949.5	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0
115°	1162.6	1069.5	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6
117.5°	1271.8	1187.2	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0
120°	1335.3	1255.8	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4
122.5°	1408.7	1328.4	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7
125°	1504.8	1431.6	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4
127.5°	1595.7	1521.8	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1
130°	1655.0	1575.4	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8
132.5°	1704.5	1625.0	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0
135°	1763.9	1691.3	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1
137.5°	1837.6	1765.8	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7
140°	1888.6	1822.5	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0
142.5°	1926.5	1865.4	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4
145°	1984.4	1931.2	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8
147.5°	2055.0	2003.2	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3
150°	2093.1	2046.2	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8
152.5°	2119.9	2084.4	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8
155°	2175.0	2148.7	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4
157.5°	2227.8	2202.3	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2
160°	2253.3	2233.4	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1
162.5°	2280.0	2265.1	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3
165°	2317.2	2303.7	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7
167.5°	2339.7	2333.4	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4
170°	2363.7	2357.3	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4
172.5°	2366.5	2365.1	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9
175°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1
177.5°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2613.7	2606.0	2616.3	2588.1	2616.3	2606.0	2613.7	2631.7	2616.3	2626.5	2636.8
5°	2293.4	2280.6	2239.5	2206.2	2239.5	2280.6	2293.4	2347.2	2372.9	2419.0	2480.5
7.5°	2049.9	2039.7	2029.4	2008.9	2029.4	2039.7	2049.9	2065.3	2090.9	2131.9	2178.0
10°	1996.1	1998.7	2014.0	2011.5	2014.0	1998.7	1996.1	1991.0	1983.3	1991.0	2019.2
12.5°	2134.5	2157.5	2242.1	2237.0	2242.1	2157.5	2134.5	2032.0	1962.8	1950.0	1955.1
15°	2293.4	2301.1	2319.0	2321.6	2319.0	2301.1	2293.4	2252.3	2044.8	1955.1	1926.9
17.5°	2308.8	2311.4	2324.2	2324.2	2324.2	2311.4	2308.8	2290.9	2221.6	2101.2	1942.3
20°	2296.0	2301.1	2326.7	2331.9	2326.7	2301.1	2296.0	2272.9	2234.4	2190.8	2070.4
22.5°	2290.9	2301.1	2321.6	2319.0	2321.6	2301.1	2290.9	2254.9	2221.6	2190.8	2142.2
25°	2265.2	2265.2	2267.8	2270.4	2267.8	2265.2	2265.2	2237.0	2170.3	2162.7	2134.5
27.5°	2211.3	2216.5	2231.8	2229.3	2231.8	2216.5	2211.3	2201.1	2129.3	2121.7	2101.2
30°	2162.7	2157.5	2144.7	2134.5	2144.7	2157.5	2162.7	2147.3	2075.5	2055.0	2060.2
32.5°	2080.7	2067.8	2055.0	2047.3	2055.0	2067.8	2080.7	2075.5	2021.7	1993.5	1998.7
35°	1983.3	1985.8	1983.3	1975.6	1983.3	1985.8	1983.3	1988.4	1955.1	1929.5	1926.9
37.5°	1914.1	1919.2	1916.7	1906.4	1916.7	1919.2	1914.1	1909.0	1862.9	1855.2	1860.3
40°	1842.4	1844.9	1842.4	1834.7	1842.4	1844.9	1842.4	1832.1	1768.0	1770.6	1788.5
42.5°	1773.2	1770.6	1762.9	1757.8	1762.9	1770.6	1773.2	1757.8	1675.8	1668.1	1701.4
45°	1693.7	1696.3	1680.9	1673.2	1680.9	1696.3	1693.7	1683.5	1598.9	1578.4	1601.5
47.5°	1614.3	1614.3	1601.5	1593.8	1601.5	1614.3	1614.3	1601.5	1511.8	1491.3	1504.1
50°	1529.7	1527.2	1509.2	1506.7	1509.2	1527.2	1529.7	1522.1	1427.2	1409.3	1409.3
52.5°	1432.4	1432.4	1434.9	1440.1	1434.9	1432.4	1432.4	1434.9	1350.4	1332.4	1327.3
55°	1347.8	1350.4	1368.3	1373.4	1368.3	1350.4	1347.8	1347.8	1270.9	1253.0	1242.8
57.5°	1260.7	1260.7	1273.5	1273.5	1273.5	1260.7	1260.7	1255.6	1181.3	1165.9	1160.8
60°	1160.8	1165.9	1176.1	1173.6	1176.1	1165.9	1160.8	1155.6	1091.6	1081.3	1063.4
62.5°	1055.7	1060.8	1063.4	1058.3	1063.4	1060.8	1055.7	1040.3	1001.9	994.2	971.1
65°	945.5	950.6	953.2	948.1	953.2	950.6	945.5	937.8	909.6	896.8	876.3
67.5°	832.8	830.2	827.7	837.9	827.7	830.2	832.8	822.5	804.6	794.3	766.2
70°	717.5	717.5	714.9	720.0	714.9	717.5	717.5	709.8	699.5	691.8	666.2
72.5°	594.5	591.9	602.2	594.5	602.2	591.9	594.5	591.9	586.8	579.1	553.5
75°	474.0	479.2	474.0	481.7	474.0	479.2	474.0	476.6	474.0	468.9	451.0
77.5°	361.3	366.4	361.3	361.3	361.3	366.4	361.3	363.9	363.9	363.9	348.5
80°	256.2	253.7	253.7	251.1	253.7	253.7	256.2	256.2	258.8	253.7	248.6
82.5°	164.0	161.4	161.4	166.6	161.4	161.4	164.0	166.6	161.4	161.4	161.4
85°	89.7	92.2	87.1	87.1	87.1	92.2	89.7	84.6	89.7	89.7	87.1
87.5°	33.3	30.7	30.7	30.7	30.7	30.7	33.3	35.9	35.9	35.9	38.4
90°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4
92.5°	303.6	291.6	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5
95°	1030.8	994.3	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6
97.5°	2379.7	2310.1	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6
100°	3341.8	3258.8	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0
102.5°	4163.3	4092.2	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2
105°	5122.1	5083.9	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1
107.5°	5620.8	5630.0	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0
110°	5748.6	5788.4	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5667.1	5728.2	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5
115°	5390.7	5475.4	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5
117.5°	5008.7	5102.6	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0
120°	4751.3	4842.6	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6
122.5°	4494.1	4584.1	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4
125°	4153.6	4236.6	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3
127.5°	3880.4	3950.3	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4
130°	3707.8	3772.4	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9
132.5°	3560.8	3618.7	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2
135°	3353.0	3402.8	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2
137.5°	3199.6	3240.4	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9
140°	3076.5	3114.7	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2
142.5°	2990.2	3023.1	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4
145°	2860.7	2885.6	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4
147.5°	2752.1	2772.7	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0
150°	2689.7	2706.4	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2
152.5°	2640.2	2652.8	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5
155°	2581.1	2589.5	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2
157.5°	2529.9	2535.8	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9
160°	2504.3	2507.7	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3
162.5°	2480.4	2483.5	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0
165°	2443.6	2447.0	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2
167.5°	2427.6	2429.1	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5
172.5°	2414.9	2413.6	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1
177.5°	2394.0	2392.6	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2675.2	2688.0	2695.7	2706.0	2731.6
5°	2572.7	2621.4	2636.8	2675.2	2721.3
7.5°	2347.2	2495.8	2536.8	2629.1	2700.8
10°	2129.3	2278.0	2349.8	2567.6	2675.2
12.5°	2019.2	2106.3	2155.0	2460.0	2639.3
15°	1950.0	2011.5	2047.3	2316.5	2598.3
17.5°	1896.2	1939.7	1965.3	2175.5	2542.0
20°	1862.9	1883.4	1906.4	2073.0	2477.9
22.5°	1839.8	1827.0	1844.9	2001.2	2390.8
25°	1824.4	1775.7	1796.2	1944.8	2288.3
27.5°	1837.2	1729.6	1737.3	1893.6	2180.6
30°	1839.8	1673.2	1675.8	1839.8	2060.2
32.5°	1821.9	1614.3	1616.9	1773.2	1924.4
35°	1778.3	1545.1	1542.6	1696.3	1739.9
37.5°	1719.4	1470.8	1470.8	1611.7	1537.4
40°	1647.6	1396.5	1404.2	1501.6	1358.1
42.5°	1560.5	1317.1	1327.3	1355.5	1224.8
45°	1465.7	1240.2	1247.9	1145.4	1122.3
47.5°	1360.6	1160.8	1163.3	950.6	1089.0
50°	1235.1	1078.8	1068.5	814.8	1086.5
52.5°	1124.9	989.1	958.3	738.0	986.5
55°	1017.3	894.3	827.7	679.0	914.8
57.5°	922.5	771.3	707.2	609.8	899.4
60°	835.3	650.8	602.2	535.5	825.1
62.5°	763.6	561.2	550.9	484.3	748.2
65°	686.7	499.7	497.1	440.7	635.5
67.5°	612.4	458.7	456.1	399.7	484.3
70°	533.0	415.1	410.0	356.2	358.7
72.5°	451.0	366.4	361.3	320.3	297.2
75°	369.0	310.0	307.5	279.3	240.9
77.5°	289.5	246.0	251.1	225.5	176.8
80°	207.6	179.4	184.5	161.4	133.2
82.5°	138.4	117.9	123.0	102.5	89.7
85°	76.9	66.6	69.2	53.8	41.0
87.5°	35.9	30.7	30.7	20.5	12.8
90°	70.3	44.8	41.6	28.8	16.0
92.5°	433.6	308.4	281.3	172.5	63.9
95°	1067.1	600.9	551.2	352.2	153.4
97.5°	1437.3	660.1	616.2	440.7	265.3
100°	1572.1	709.6	669.8	510.7	351.6
102.5°	1633.9	759.1	722.0	573.5	425.1
105°	1679.7	832.7	801.3	675.5	549.8
107.5°	1688.2	941.3	912.0	794.9	677.7
110°	1675.5	1002.1	975.6	869.8	763.9



TEST NUMBER: P935925

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1676.0	1075.6	1050.4	949.5	848.7
115°	1691.4	1185.9	1162.6	1069.5	976.5
117.5°	1722.8	1292.9	1271.8	1187.2	1102.8
120°	1748.4	1355.2	1335.3	1255.8	1176.2
122.5°	1785.2	1428.8	1408.7	1328.4	1248.1
125°	1834.8	1523.1	1504.8	1431.6	1358.5
127.5°	1884.2	1614.1	1595.7	1521.8	1447.9
130°	1920.4	1674.9	1655.0	1575.4	1495.9
132.5°	1949.7	1724.4	1704.5	1625.0	1545.5
135°	1981.7	1782.0	1763.9	1691.3	1618.9
137.5°	2029.7	1855.5	1837.6	1765.8	1694.1
140°	2059.0	1905.0	1888.6	1822.5	1756.4
142.5°	2083.5	1941.8	1926.5	1865.4	1804.3
145°	2115.4	1997.7	1984.4	1931.2	1877.9
147.5°	2162.3	2068.0	2055.0	2003.2	1951.3
150°	2186.8	2104.8	2093.1	2046.2	1999.3
152.5°	2202.8	2128.7	2119.9	2084.4	2048.9
155°	2238.0	2181.5	2175.0	2148.7	2122.4
157.5°	2273.1	2234.2	2227.8	2202.3	2176.7
160°	2289.1	2258.2	2253.3	2233.4	2213.5
162.5°	2306.1	2283.8	2280.0	2265.1	2250.2
165°	2330.7	2320.6	2317.2	2303.7	2290.2
167.5°	2349.9	2341.3	2339.7	2333.4	2327.0
170°	2365.8	2365.3	2363.7	2357.3	2350.9
172.5°	2366.9	2366.9	2366.5	2365.1	2363.7
175°	2376.5	2381.3	2381.3	2381.3	2381.3
177.5°	2377.6	2381.3	2381.3	2381.3	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935925
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-2700K

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	10.16	10.87	11.26	11.97	13.49	13.01	13.72	14.11	14.82	16.34
	3H	10.62	11.26	11.73	12.37	13.90	14.35	14.99	15.46	16.10	17.63
	4H	10.81	11.41	11.93	12.52	14.06	14.79	15.40	15.91	16.51	18.04
	6H	10.92	11.48	12.05	12.59	14.14	15.07	15.63	16.20	16.74	18.29
	8H	10.91	11.45	12.05	12.57	14.12	15.15	15.68	16.28	16.81	18.35
	12H	10.88	11.39	12.02	12.51	14.07	15.18	15.69	16.32	16.81	18.37
4H	2H	11.18	11.78	12.30	12.89	14.43	13.40	14.01	14.53	15.11	16.65
	3H	12.19	12.70	13.32	13.83	15.38	14.90	15.40	16.03	16.54	18.09
	4H	12.46	12.92	13.60	14.05	15.62	15.42	15.89	16.56	17.01	18.58
	6H	12.58	12.97	13.72	14.12	15.68	15.79	16.18	16.93	17.33	18.89
	8H	12.58	12.95	13.72	14.09	15.67	15.89	16.26	17.04	17.40	18.98
	12H	12.54	12.88	13.70	14.03	15.61	15.94	16.28	17.11	17.43	19.02
8H	4H	12.90	13.28	14.05	14.42	15.99	15.53	15.91	16.68	17.05	18.62
	6H	13.16	13.47	14.32	14.65	16.22	15.97	16.28	17.14	17.46	19.03
	8H	13.20	13.47	14.37	14.63	16.22	16.12	16.39	17.30	17.55	19.15
	12H	13.18	13.41	14.35	14.57	16.20	16.22	16.46	17.39	17.61	19.24
12H	4H	12.90	13.24	14.07	14.39	15.97	15.49	15.83	16.65	16.98	18.56
	6H	13.22	13.49	14.39	14.65	16.24	15.97	16.23	17.14	17.39	18.99
	8H	13.28	13.52	14.45	14.67	16.30	16.12	16.36	17.30	17.52	19.15