

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: P935928

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935928
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

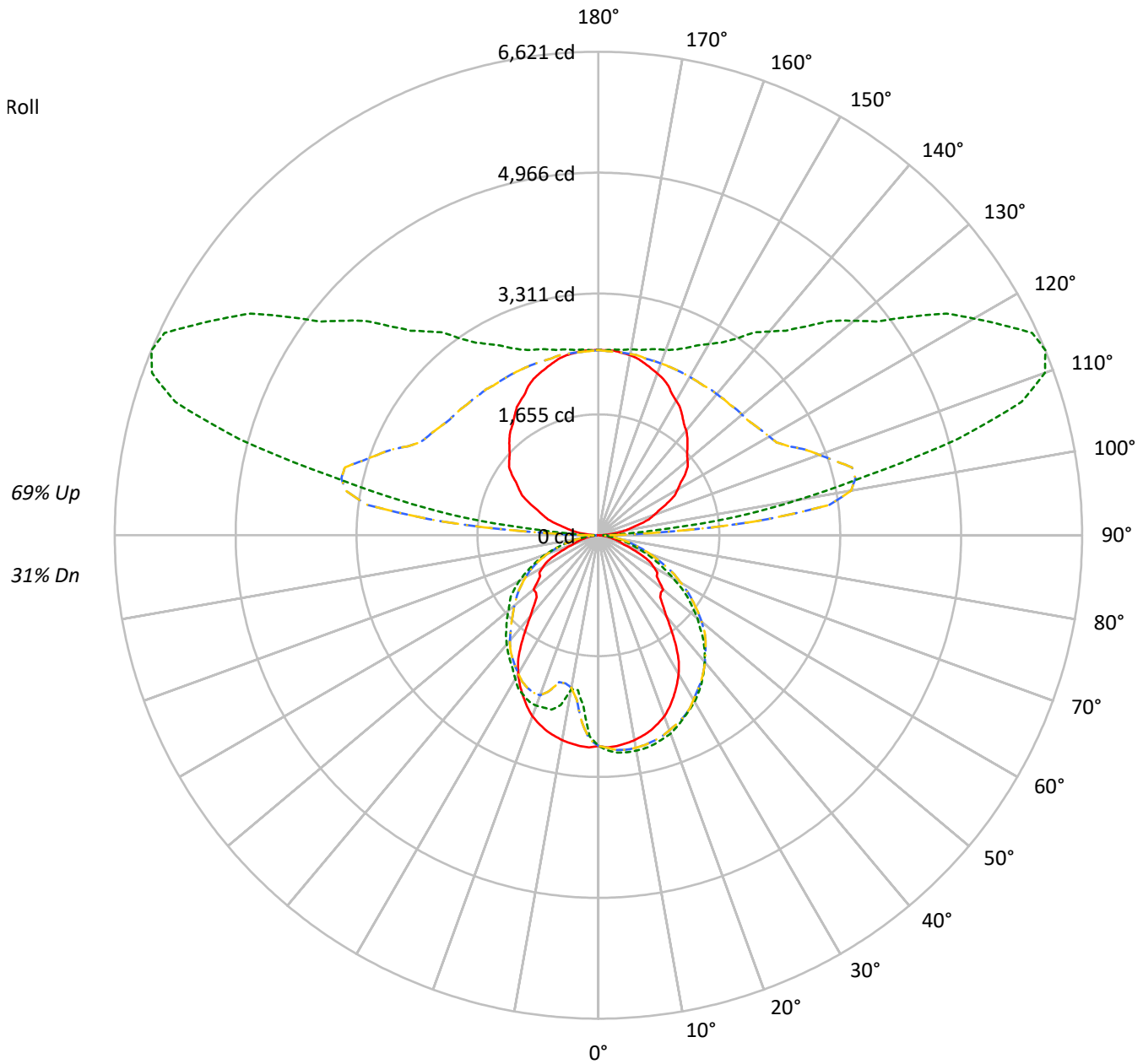
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23928.8 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: 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				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	33	33	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	28	28	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	24	24	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	20	20	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	18	18	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	15	15	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	14	14	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	12	12	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	11	11	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	10	10	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8922	8922	8922	8922
5°	8992	9006	8992	7082
10°	8935	8872	8935	6343
15°	8841	8680	8841	7248
20°	8660	8452	8660	7263
25°	8285	8120	8285	7109
30°	7799	7844	7799	6771
35°	6956	7495	6956	6399
40°	5799	7085	5799	6119
45°	5185	6604	5185	5796
50°	5513	6031	5513	5472
55°	5192	5413	5192	5285
60°	5358	4598	5358	4840
65°	4866	3801	4866	4248
70°	3377	3029	3377	3561
75°	2973	2239	2973	2681
80°	2414	1480	2414	1612
85°	1416	784	1416	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	1.1
10°-20°	739.3	3.1
20°-30°	1142.8	4.8
30°-40°	1364.2	5.7
40°-50°	1372.2	5.7
50°-60°	1194.0	5.0
60°-70°	846.6	3.5
70°-80°	447.9	1.9
80°-90°	121.2	0.5
90°-100°	1236.2	5.2
100°-110°	3250.0	13.6
110°-120°	3369.9	14.1
120°-130°	2703.1	11.3
130°-140°	2121.0	8.9
140°-150°	1627.9	6.8
150°-160°	1172.4	4.9
160°-170°	717.3	3.0
170°-180°	242.3	1.0
0°-30°	2142.5	9.0
0°-40°	3506.7	14.7
0°-60°	6073.0	25.4
0°-90°	7488.6	31.3
90°-120°	7856.1	32.8
90°-150°	14308.1	59.8
90°-180°	16440.0	68.7
0°-180°	23928.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2884	2884	2884	2884	2884	
5°	2898	2988	2898	2350	2898	275
15°	2767	2961	2767	2472	2767	779
25°	2437	2762	2437	2418	2437	1119
35°	1853	2464	1853	2104	1853	1146
45°	1195	2030	1195	1782	1195	957
55°	974	1498	974	1463	974	895
65°	677	903	677	1010	677	647
75°	256	428	256	513	256	270
85°	44	109	44	93	44	59
90°	17	65	17	65	17	16
95°	163	747	163	747	163	181
105°	586	5089	586	5089	586	621
115°	1040	6553	1040	6553	1040	1027
125°	1447	5218	1447	5218	1447	1284
135°	1724	4049	1724	4049	1724	1334
145°	2000	3285	2000	3285	2000	1253
155°	2260	2829	2260	2829	2260	1039
165°	2439	2635	2439	2635	2439	688
175°	2536	2553	2536	2553	2536	241
180°	2536	2536	2536	2536	2536	



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 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2909.1	2909.1	2925.5	2930.9	2930.9	2922.8	2914.6	2922.8	2947.3	2955.5	2952.8
5°	2898.2	2920.0	2950.0	2955.5	2961.0	2958.2	2952.8	2958.2	2985.5	2991.0	2993.7
7.5°	2876.4	2917.3	2955.5	2963.7	2971.9	2963.7	2961.0	2966.4	2993.7	2999.2	2999.2
10°	2849.1	2906.4	2950.0	2955.5	2963.7	2955.5	2955.5	2966.4	2993.7	2999.2	3001.9
12.5°	2810.9	2890.0	2930.9	2936.4	2947.3	2944.6	2941.9	2952.8	2980.1	2985.5	2985.5
15°	2767.2	2860.0	2898.2	2903.7	2922.8	2917.3	2917.3	2928.2	2958.2	2966.4	2963.7
17.5°	2707.2	2821.8	2865.4	2873.6	2887.3	2884.5	2887.3	2898.2	2925.5	2930.9	2933.7
20°	2638.9	2769.9	2821.8	2830.0	2843.6	2843.6	2843.6	2857.3	2884.5	2895.5	2895.5
22.5°	2546.2	2715.4	2769.9	2775.4	2791.8	2791.8	2797.2	2816.3	2840.9	2843.6	2843.6
25°	2437.0	2655.3	2701.7	2718.1	2734.5	2742.6	2750.8	2761.7	2769.9	2767.2	2769.9
27.5°	2322.3	2578.9	2638.9	2649.9	2671.7	2679.9	2690.8	2693.5	2696.3	2704.4	2699.0
30°	2194.0	2472.5	2562.5	2573.5	2608.9	2614.4	2603.5	2608.9	2622.6	2628.0	2633.5
32.5°	2049.4	2314.1	2483.4	2508.0	2540.7	2524.3	2521.6	2529.8	2551.6	2551.6	2557.1
35°	1852.9	2191.3	2409.7	2431.6	2456.1	2437.0	2447.9	2450.7	2464.3	2472.5	2469.8
37.5°	1637.3	2084.9	2333.2	2349.6	2368.7	2344.1	2360.5	2368.7	2379.6	2374.2	2374.2
40°	1446.3	1918.4	2243.2	2254.1	2270.5	2251.4	2267.7	2273.2	2278.6	2273.2	2270.5
42.5°	1304.4	1735.6	2147.7	2161.3	2150.4	2164.0	2169.5	2180.4	2172.2	2161.3	2161.3
45°	1195.3	1686.5	2044.0	2060.3	2044.0	2065.8	2074.0	2074.0	2049.4	2044.0	2041.2
47.5°	1159.8	1588.2	1940.3	1940.3	1932.1	1959.4	1973.0	1953.9	1929.3	1921.2	1921.2
50°	1157.1	1479.1	1798.4	1787.4	1825.6	1858.4	1844.7	1825.6	1806.5	1776.5	1776.5
52.5°	1050.6	1345.4	1615.5	1656.4	1716.5	1735.6	1713.8	1694.7	1661.9	1648.3	1637.3
55°	974.2	1206.2	1449.1	1530.9	1593.7	1618.2	1577.3	1558.2	1509.1	1500.9	1495.4
57.5°	957.8	1004.2	1296.2	1399.9	1476.3	1473.6	1449.1	1413.6	1372.6	1364.5	1361.7
60°	878.7	725.9	1132.5	1255.3	1334.4	1326.3	1304.4	1271.7	1233.5	1228.0	1222.6
62.5°	796.8	526.7	946.9	1086.1	1198.0	1195.3	1176.2	1127.0	1099.8	1086.1	1075.2
65°	676.8	442.1	674.0	903.3	1064.3	1069.7	1028.8	993.3	963.3	946.9	944.2
67.5°	515.8	360.2	455.7	753.2	936.0	930.6	878.7	862.3	824.1	815.9	799.6
70°	382.0	240.1	316.6	611.3	810.5	796.8	755.9	736.8	701.3	682.2	671.3
72.5°	316.6	193.8	232.0	474.8	682.2	665.9	630.4	608.5	578.5	562.2	551.2
75°	256.5	204.7	177.4	352.0	554.0	543.1	510.3	488.5	463.9	442.1	444.8
77.5°	188.3	191.0	141.9	259.2	439.4	423.0	403.9	376.6	365.7	343.8	343.8
80°	141.9	150.1	106.4	177.4	316.6	316.6	300.2	281.1	262.0	251.1	251.1
82.5°	95.5	95.5	79.1	111.9	215.6	207.4	196.5	191.0	180.1	174.7	174.7
85°	43.7	54.6	49.1	68.2	117.3	122.8	122.8	117.3	114.6	109.2	111.9
87.5°	13.6	24.6	30.0	38.2	60.0	62.8	65.5	65.5	65.5	68.2	68.2
90°	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2	64.7	64.7
92.5°	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4	323.4	310.6
95°	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7	1097.8	1058.9
97.5°	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7	2534.3	2460.2
100°	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0	3559.0	3470.6
102.5°	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0	4433.8	4358.2
105°	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4	5455.0	5414.3
107.5°	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3	5986.0	5995.9
110°	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4	6122.2	6164.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8	6035.4	6100.5
115°	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7	5741.0	5831.2
117.5°	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0	5334.2	5434.3
120°	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2	5060.1	5157.4
122.5°	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5	4786.1	4882.0
125°	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7	4423.6	4511.9
127.5°	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7	4132.6	4207.1
130°	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6	3948.7	4017.6
132.5°	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3	3792.2	3853.9
135°	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9	3570.9	3624.0
137.5°	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9	3407.5	3451.0
140°	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5	3276.4	3317.1
142.5°	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2	3184.5	3219.6
145°	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6	3046.6	3073.1
147.5°	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5	2930.9	2952.9
150°	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3	2864.5	2882.3
152.5°	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1	2811.8	2825.2
155°	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1	2748.8	2757.7
157.5°	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8	2694.3	2700.6
160°	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6	2667.1	2670.7
162.5°	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6	2641.6	2645.0
165°	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5	2602.4	2606.0
167.5°	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8	2585.4	2586.9
170°	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8	2585.4	2585.4
172.5°	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8	2571.8	2570.5
175°	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3	2553.1	2553.1
177.5°	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2	2549.6	2548.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2958.2	2950.0	2958.2	2952.8	2955.5	2947.3	2922.8	2914.6	2922.8	2930.9	2930.9
5°	2993.7	2988.2	2993.7	2993.7	2991.0	2985.5	2958.2	2952.8	2958.2	2961.0	2955.5
7.5°	3004.6	2996.4	3004.6	2999.2	2999.2	2993.7	2966.4	2961.0	2963.7	2971.9	2963.7
10°	3004.6	2996.4	3004.6	3001.9	2999.2	2993.7	2966.4	2955.5	2955.5	2963.7	2955.5
12.5°	2991.0	2985.5	2991.0	2985.5	2985.5	2980.1	2952.8	2941.9	2944.6	2947.3	2936.4
15°	2969.1	2961.0	2969.1	2963.7	2966.4	2958.2	2928.2	2917.3	2917.3	2922.8	2903.7
17.5°	2936.4	2925.5	2936.4	2933.7	2930.9	2925.5	2898.2	2887.3	2884.5	2887.3	2873.6
20°	2898.2	2890.0	2898.2	2895.5	2895.5	2884.5	2857.3	2843.6	2843.6	2843.6	2830.0
22.5°	2838.2	2830.0	2838.2	2843.6	2843.6	2840.9	2816.3	2797.2	2791.8	2791.8	2775.4
25°	2769.9	2761.7	2769.9	2769.9	2767.2	2769.9	2761.7	2750.8	2742.6	2734.5	2718.1
27.5°	2704.4	2699.0	2704.4	2699.0	2704.4	2696.3	2693.5	2690.8	2679.9	2671.7	2649.9
30°	2638.9	2633.5	2638.9	2633.5	2628.0	2622.6	2608.9	2603.5	2614.4	2608.9	2573.5
32.5°	2557.1	2551.6	2557.1	2557.1	2551.6	2551.6	2529.8	2521.6	2524.3	2540.7	2508.0
35°	2472.5	2464.3	2472.5	2469.8	2472.5	2464.3	2450.7	2447.9	2437.0	2456.1	2431.6
37.5°	2374.2	2366.0	2374.2	2374.2	2374.2	2379.6	2368.7	2360.5	2344.1	2368.7	2349.6
40°	2273.2	2262.3	2273.2	2270.5	2273.2	2278.6	2273.2	2267.7	2251.4	2270.5	2254.1
42.5°	2158.6	2155.8	2158.6	2161.3	2161.3	2172.2	2180.4	2169.5	2164.0	2150.4	2161.3
45°	2035.8	2030.3	2035.8	2041.2	2044.0	2049.4	2074.0	2074.0	2065.8	2044.0	2060.3
47.5°	1904.8	1891.1	1904.8	1921.2	1921.2	1929.3	1953.9	1973.0	1959.4	1932.1	1940.3
50°	1765.6	1768.3	1765.6	1776.5	1776.5	1806.5	1825.6	1844.7	1858.4	1825.6	1787.4
52.5°	1629.2	1626.4	1629.2	1637.3	1648.3	1661.9	1694.7	1713.8	1735.6	1716.5	1656.4
55°	1492.7	1498.2	1492.7	1495.4	1500.9	1509.1	1558.2	1577.3	1618.2	1593.7	1530.9
57.5°	1356.3	1348.1	1356.3	1361.7	1364.5	1372.6	1413.6	1449.1	1473.6	1476.3	1399.9
60°	1198.0	1187.1	1198.0	1222.6	1228.0	1233.5	1271.7	1304.4	1326.3	1334.4	1255.3
62.5°	1058.8	1039.7	1058.8	1075.2	1086.1	1099.8	1127.0	1176.2	1195.3	1198.0	1086.1
65°	911.5	903.3	911.5	944.2	946.9	963.3	993.3	1028.8	1069.7	1064.3	903.3
67.5°	777.7	777.7	777.7	799.6	815.9	824.1	862.3	878.7	930.6	936.0	753.2
70°	654.9	652.2	654.9	671.3	682.2	701.3	736.8	755.9	796.8	810.5	611.3
72.5°	537.6	534.9	537.6	551.2	562.2	578.5	608.5	630.4	665.9	682.2	474.8
75°	433.9	428.4	433.9	444.8	442.1	463.9	488.5	510.3	543.1	554.0	352.0
77.5°	332.9	332.9	332.9	343.8	343.8	365.7	376.6	403.9	423.0	439.4	259.2
80°	248.3	245.6	248.3	251.1	251.1	262.0	281.1	300.2	316.6	316.6	177.4
82.5°	174.7	169.2	174.7	174.7	174.7	180.1	191.0	196.5	207.4	215.6	111.9
85°	109.2	109.2	109.2	111.9	109.2	114.6	117.3	122.8	122.8	117.3	68.2
87.5°	71.0	68.2	71.0	68.2	68.2	65.5	65.5	65.5	62.8	60.0	38.2
90°	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2	74.9	47.7
92.5°	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6	461.8	328.5
95°	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4	1136.4	639.9
97.5°	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4	1530.7	703.0
100°	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9	1674.3	755.7
102.5°	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2	1740.0	808.5
105°	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6	1788.9	886.8
107.5°	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4	1797.9	1002.5
110°	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5	1784.3	1067.2



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4	1784.9	1145.5
115°	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2	1801.4	1262.9
117.5°	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2	1834.7	1376.9
120°	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3	1862.0	1443.3
122.5°	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3	1901.2	1521.6
125°	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5	1954.0	1622.1
127.5°	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3	2006.7	1719.0
130°	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0	2045.2	1783.7
132.5°	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4	2076.4	1836.5
135°	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3	2110.5	1897.8
137.5°	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9	2161.6	1976.1
140°	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4	2192.8	2028.9
142.5°	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1	2218.9	2068.0
145°	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1	2252.9	2127.5
147.5°	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7	2302.8	2202.4
150°	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5	2328.9	2241.6
152.5°	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1	2346.0	2267.1
155°	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6	2383.4	2323.3
157.5°	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0	2420.8	2379.4
160°	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8	2437.9	2405.0
162.5°	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8	2456.0	2432.2
165°	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5	2482.1	2471.4
167.5°	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7	2502.6	2493.5
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3	2519.6	2519.1
172.5°	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2	2531.0	2536.1
177.5°	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8	2532.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2925.5	2909.1	2909.1	2881.8	2870.9	2862.7	2849.1	2808.1	2797.2	2786.3	2802.7
5°	2950.0	2920.0	2898.2	2849.1	2808.1	2791.8	2739.9	2641.7	2576.2	2527.1	2499.8
7.5°	2955.5	2917.3	2876.4	2800.0	2701.7	2658.1	2499.8	2319.6	2270.5	2226.8	2199.5
10°	2950.0	2906.4	2849.1	2734.5	2502.5	2426.1	2267.7	2150.4	2120.4	2112.2	2120.4
12.5°	2930.9	2890.0	2810.9	2619.8	2295.0	2243.2	2150.4	2082.2	2076.7	2090.3	2164.0
15°	2898.2	2860.0	2767.2	2467.0	2180.4	2142.2	2076.7	2052.1	2082.2	2177.7	2398.7
17.5°	2865.4	2821.8	2707.2	2316.8	2093.1	2065.8	2019.4	2068.5	2237.7	2366.0	2439.7
20°	2821.8	2769.9	2638.9	2207.7	2030.3	2005.7	1983.9	2205.0	2333.2	2379.6	2420.6
22.5°	2769.9	2715.4	2546.2	2131.3	1964.8	1945.7	1959.4	2281.4	2333.2	2366.0	2401.4
25°	2701.7	2655.3	2437.0	2071.2	1913.0	1891.1	1943.0	2273.2	2303.2	2311.4	2382.3
27.5°	2638.9	2578.9	2322.3	2016.7	1850.2	1842.0	1956.6	2237.7	2259.5	2267.7	2344.1
30°	2562.5	2472.5	2194.0	1959.4	1784.7	1782.0	1959.4	2194.0	2188.6	2210.4	2286.8
32.5°	2483.4	2314.1	2049.4	1888.4	1721.9	1719.2	1940.3	2128.6	2123.1	2153.1	2210.4
35°	2409.7	2191.3	1852.9	1806.5	1642.8	1645.5	1893.9	2052.1	2054.9	2082.2	2117.6
37.5°	2333.2	2084.9	1637.3	1716.5	1566.4	1566.4	1831.1	1981.2	1975.7	1983.9	2033.0
40°	2243.2	1918.4	1446.3	1599.1	1495.4	1487.3	1754.7	1904.8	1885.7	1882.9	1951.2
42.5°	2147.7	1735.6	1304.4	1443.6	1413.6	1402.7	1661.9	1812.0	1776.5	1784.7	1872.0
45°	2044.0	1686.5	1195.3	1219.8	1329.0	1320.8	1560.9	1705.6	1681.0	1702.8	1792.9
47.5°	1940.3	1588.2	1159.8	1012.4	1238.9	1236.2	1449.1	1601.9	1588.2	1610.1	1705.6
50°	1798.4	1479.1	1157.1	867.8	1138.0	1148.9	1315.3	1500.9	1500.9	1520.0	1621.0
52.5°	1615.5	1345.4	1050.6	785.9	1020.6	1053.4	1198.0	1413.6	1419.0	1438.1	1528.2
55°	1449.1	1206.2	974.2	723.2	881.4	952.4	1083.4	1323.5	1334.4	1353.5	1435.4
57.5°	1296.2	1004.2	957.8	649.5	753.2	821.4	982.4	1236.2	1241.7	1258.0	1337.2
60°	1132.5	725.9	878.7	570.3	641.3	693.1	889.6	1132.5	1151.6	1162.5	1230.7
62.5°	946.9	526.7	796.8	515.8	586.7	597.6	813.2	1034.3	1058.8	1067.0	1107.9
65°	674.0	442.1	676.8	469.4	529.4	532.1	731.3	933.3	955.1	968.8	998.8
67.5°	455.7	360.2	515.8	425.7	485.7	488.5	652.2	815.9	846.0	856.9	876.0
70°	316.6	240.1	382.0	379.3	436.6	442.1	567.6	709.5	736.8	745.0	755.9
72.5°	232.0	193.8	316.6	341.1	384.8	390.2	480.3	589.4	616.7	624.9	630.4
75°	177.4	204.7	256.5	297.5	327.5	330.2	393.0	480.3	499.4	504.8	507.6
77.5°	141.9	191.0	188.3	240.1	267.4	262.0	308.4	371.1	387.5	387.5	387.5
80°	106.4	150.1	141.9	171.9	196.5	191.0	221.0	264.7	270.2	275.6	272.9
82.5°	79.1	95.5	95.5	109.2	131.0	125.5	147.4	171.9	171.9	171.9	177.4
85°	49.1	54.6	43.7	57.3	73.7	71.0	81.9	92.8	95.5	95.5	90.1
87.5°	30.0	24.6	13.6	21.8	32.7	32.7	38.2	40.9	38.2	38.2	38.2
90°	44.3	30.7	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2
92.5°	299.5	183.7	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4
95°	587.0	375.1	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7
97.5°	656.2	469.4	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7
100°	713.3	543.9	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0
102.5°	768.9	610.8	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0
105°	853.3	719.4	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4
107.5°	971.3	846.5	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3
110°	1039.0	926.3	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1118.7	1011.2	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8
115°	1238.2	1139.0	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7
117.5°	1354.4	1264.4	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0
120°	1422.1	1337.4	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2
122.5°	1500.3	1414.8	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5
125°	1602.6	1524.6	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7
127.5°	1699.4	1620.7	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7
130°	1762.5	1677.8	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6
132.5°	1815.3	1730.6	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3
135°	1878.5	1801.3	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9
137.5°	1957.0	1880.6	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9
140°	2011.3	1940.9	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5
142.5°	2051.7	1986.6	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2
145°	2113.4	2056.7	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6
147.5°	2188.6	2133.4	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5
150°	2229.2	2179.2	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3
152.5°	2257.6	2219.9	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1
155°	2316.3	2288.4	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1
157.5°	2372.6	2345.4	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8
160°	2399.7	2378.5	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6
162.5°	2428.2	2412.4	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6
165°	2467.8	2453.4	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5
167.5°	2491.8	2485.0	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8
170°	2517.3	2510.5	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8
172.5°	2520.3	2518.8	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8
175°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3
177.5°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935928
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2783.6	2775.4	2786.3	2756.3	2786.3	2775.4	2783.6	2802.7	2786.3	2797.2	2808.1
5°	2442.5	2428.8	2385.1	2349.6	2385.1	2428.8	2442.5	2499.8	2527.1	2576.2	2641.7
7.5°	2183.1	2172.2	2161.3	2139.5	2161.3	2172.2	2183.1	2199.5	2226.8	2270.5	2319.6
10°	2125.8	2128.6	2144.9	2142.2	2144.9	2128.6	2125.8	2120.4	2112.2	2120.4	2150.4
12.5°	2273.2	2297.7	2387.8	2382.3	2387.8	2297.7	2273.2	2164.0	2090.3	2076.7	2082.2
15°	2442.5	2450.7	2469.8	2472.5	2469.8	2450.7	2442.5	2398.7	2177.7	2082.2	2052.1
17.5°	2458.8	2461.6	2475.2	2475.2	2475.2	2461.6	2458.8	2439.7	2366.0	2237.7	2068.5
20°	2445.2	2450.7	2477.9	2483.4	2477.9	2450.7	2445.2	2420.6	2379.6	2333.2	2205.0
22.5°	2439.7	2450.7	2472.5	2469.8	2472.5	2450.7	2439.7	2401.4	2366.0	2333.2	2281.4
25°	2412.4	2412.4	2415.2	2417.9	2415.2	2412.4	2412.4	2382.3	2311.4	2303.2	2273.2
27.5°	2355.1	2360.5	2376.9	2374.2	2376.9	2360.5	2355.1	2344.1	2267.7	2259.5	2237.7
30°	2303.2	2297.7	2284.1	2273.2	2284.1	2297.7	2303.2	2286.8	2210.4	2188.6	2194.0
32.5°	2215.9	2202.2	2188.6	2180.4	2188.6	2202.2	2215.9	2210.4	2153.1	2123.1	2128.6
35°	2112.2	2114.9	2112.2	2104.0	2112.2	2114.9	2112.2	2117.6	2082.2	2054.9	2052.1
37.5°	2038.5	2044.0	2041.2	2030.3	2041.2	2044.0	2038.5	2033.0	1983.9	1975.7	1981.2
40°	1962.1	1964.8	1962.1	1953.9	1962.1	1964.8	1962.1	1951.2	1882.9	1885.7	1904.8
42.5°	1888.4	1885.7	1877.5	1872.0	1877.5	1885.7	1888.4	1872.0	1784.7	1776.5	1812.0
45°	1803.8	1806.5	1790.2	1782.0	1790.2	1806.5	1803.8	1792.9	1702.8	1681.0	1705.6
47.5°	1719.2	1719.2	1705.6	1697.4	1705.6	1719.2	1719.2	1705.6	1610.1	1588.2	1601.9
50°	1629.2	1626.4	1607.3	1604.6	1607.3	1626.4	1629.2	1621.0	1520.0	1500.9	1500.9
52.5°	1525.5	1525.5	1528.2	1533.6	1528.2	1525.5	1525.5	1528.2	1438.1	1419.0	1413.6
55°	1435.4	1438.1	1457.2	1462.7	1457.2	1438.1	1435.4	1435.4	1353.5	1334.4	1323.5
57.5°	1342.6	1342.6	1356.3	1356.3	1356.3	1342.6	1342.6	1337.2	1258.0	1241.7	1236.2
60°	1236.2	1241.7	1252.6	1249.8	1252.6	1241.7	1236.2	1230.7	1162.5	1151.6	1132.5
62.5°	1124.3	1129.8	1132.5	1127.0	1132.5	1129.8	1124.3	1107.9	1067.0	1058.8	1034.3
65°	1007.0	1012.4	1015.2	1009.7	1015.2	1012.4	1007.0	998.8	968.8	955.1	933.3
67.5°	886.9	884.2	881.4	892.4	881.4	884.2	886.9	876.0	856.9	846.0	815.9
70°	764.1	764.1	761.4	766.8	761.4	764.1	764.1	755.9	745.0	736.8	709.5
72.5°	633.1	630.4	641.3	633.1	641.3	630.4	633.1	630.4	624.9	616.7	589.4
75°	504.8	510.3	504.8	513.0	504.8	510.3	504.8	507.6	504.8	499.4	480.3
77.5°	384.8	390.2	384.8	384.8	384.8	390.2	384.8	387.5	387.5	387.5	371.1
80°	272.9	270.2	270.2	267.4	270.2	270.2	272.9	272.9	275.6	270.2	264.7
82.5°	174.7	171.9	171.9	177.4	171.9	171.9	174.7	177.4	171.9	171.9	171.9
85°	95.5	98.2	92.8	92.8	92.8	98.2	95.5	90.1	95.5	95.5	92.8
87.5°	35.5	32.7	32.7	32.7	32.7	32.7	35.5	38.2	38.2	38.2	40.9
90°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2
92.5°	323.4	310.6	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6
95°	1097.8	1058.9	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4
97.5°	2534.3	2460.2	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4
100°	3559.0	3470.6	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9
102.5°	4433.8	4358.2	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2
105°	5455.0	5414.3	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6
107.5°	5986.0	5995.9	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4
110°	6122.2	6164.6	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6035.4	6100.5	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4
115°	5741.0	5831.2	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2
117.5°	5334.2	5434.3	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2
120°	5060.1	5157.4	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3
122.5°	4786.1	4882.0	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3
125°	4423.6	4511.9	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5
127.5°	4132.6	4207.1	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3
130°	3948.7	4017.6	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0
132.5°	3792.2	3853.9	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4
135°	3570.9	3624.0	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3
137.5°	3407.5	3451.0	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9
140°	3276.4	3317.1	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4
142.5°	3184.5	3219.6	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1
145°	3046.6	3073.1	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1
147.5°	2930.9	2952.9	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7
150°	2864.5	2882.3	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5
152.5°	2811.8	2825.2	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1
155°	2748.8	2757.7	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6
157.5°	2694.3	2700.6	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0
160°	2667.1	2670.7	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8
162.5°	2641.6	2645.0	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8
165°	2602.4	2606.0	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5
167.5°	2585.4	2586.9	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3
172.5°	2571.8	2570.5	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2
177.5°	2549.6	2548.1	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2849.1	2862.7	2870.9	2881.8	2909.1
5°	2739.9	2791.8	2808.1	2849.1	2898.2
7.5°	2499.8	2658.1	2701.7	2800.0	2876.4
10°	2267.7	2426.1	2502.5	2734.5	2849.1
12.5°	2150.4	2243.2	2295.0	2619.8	2810.9
15°	2076.7	2142.2	2180.4	2467.0	2767.2
17.5°	2019.4	2065.8	2093.1	2316.8	2707.2
20°	1983.9	2005.7	2030.3	2207.7	2638.9
22.5°	1959.4	1945.7	1964.8	2131.3	2546.2
25°	1943.0	1891.1	1913.0	2071.2	2437.0
27.5°	1956.6	1842.0	1850.2	2016.7	2322.3
30°	1959.4	1782.0	1784.7	1959.4	2194.0
32.5°	1940.3	1719.2	1721.9	1888.4	2049.4
35°	1893.9	1645.5	1642.8	1806.5	1852.9
37.5°	1831.1	1566.4	1566.4	1716.5	1637.3
40°	1754.7	1487.3	1495.4	1599.1	1446.3
42.5°	1661.9	1402.7	1413.6	1443.6	1304.4
45°	1560.9	1320.8	1329.0	1219.8	1195.3
47.5°	1449.1	1236.2	1238.9	1012.4	1159.8
50°	1315.3	1148.9	1138.0	867.8	1157.1
52.5°	1198.0	1053.4	1020.6	785.9	1050.6
55°	1083.4	952.4	881.4	723.2	974.2
57.5°	982.4	821.4	753.2	649.5	957.8
60°	889.6	693.1	641.3	570.3	878.7
62.5°	813.2	597.6	586.7	515.8	796.8
65°	731.3	532.1	529.4	469.4	676.8
67.5°	652.2	488.5	485.7	425.7	515.8
70°	567.6	442.1	436.6	379.3	382.0
72.5°	480.3	390.2	384.8	341.1	316.6
75°	393.0	330.2	327.5	297.5	256.5
77.5°	308.4	262.0	267.4	240.1	188.3
80°	221.0	191.0	196.5	171.9	141.9
82.5°	147.4	125.5	131.0	109.2	95.5
85°	81.9	71.0	73.7	57.3	43.7
87.5°	38.2	32.7	32.7	21.8	13.6
90°	74.9	47.7	44.3	30.7	17.0
92.5°	461.8	328.5	299.5	183.7	68.0
95°	1136.4	639.9	587.0	375.1	163.4
97.5°	1530.7	703.0	656.2	469.4	282.5
100°	1674.3	755.7	713.3	543.9	374.4
102.5°	1740.0	808.5	768.9	610.8	452.7
105°	1788.9	886.8	853.3	719.4	585.5
107.5°	1797.9	1002.5	971.3	846.5	721.7
110°	1784.3	1067.2	1039.0	926.3	813.6



TEST NUMBER: P935928

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1784.9	1145.5	1118.7	1011.2	903.8
115°	1801.4	1262.9	1238.2	1139.0	1040.0
117.5°	1834.7	1376.9	1354.4	1264.4	1174.4
120°	1862.0	1443.3	1422.1	1337.4	1252.7
122.5°	1901.2	1521.6	1500.3	1414.8	1329.3
125°	1954.0	1622.1	1602.6	1524.6	1446.8
127.5°	2006.7	1719.0	1699.4	1620.7	1542.0
130°	2045.2	1783.7	1762.5	1677.8	1593.1
132.5°	2076.4	1836.5	1815.3	1730.6	1645.9
135°	2110.5	1897.8	1878.5	1801.3	1724.1
137.5°	2161.6	1976.1	1957.0	1880.6	1804.2
140°	2192.8	2028.9	2011.3	1940.9	1870.6
142.5°	2218.9	2068.0	2051.7	1986.6	1921.6
145°	2252.9	2127.5	2113.4	2056.7	1999.9
147.5°	2302.8	2202.4	2188.6	2133.4	2078.2
150°	2328.9	2241.6	2229.2	2179.2	2129.3
152.5°	2346.0	2267.1	2257.6	2219.9	2182.0
155°	2383.4	2323.3	2316.3	2288.4	2260.4
157.5°	2420.8	2379.4	2372.6	2345.4	2318.2
160°	2437.9	2405.0	2399.7	2378.5	2357.3
162.5°	2456.0	2432.2	2428.2	2412.4	2396.4
165°	2482.1	2471.4	2467.8	2453.4	2439.0
167.5°	2502.6	2493.5	2491.8	2485.0	2478.2
170°	2519.6	2519.1	2517.3	2510.5	2503.7
172.5°	2520.7	2520.7	2520.3	2518.8	2517.3
175°	2531.0	2536.1	2536.1	2536.1	2536.1
177.5°	2532.1	2536.1	2536.1	2536.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1



TEST NUMBER: P935928
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-4000K

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	10.38	11.09	11.48	12.19	13.71	13.23	13.94	14.33	15.04	16.56
	3H	10.84	11.48	11.95	12.59	14.12	14.57	15.21	15.68	16.32	17.85
	4H	11.03	11.63	12.15	12.74	14.28	15.01	15.62	16.13	16.73	18.26
	6H	11.14	11.70	12.27	12.81	14.36	15.29	15.85	16.42	16.96	18.51
	8H	11.13	11.66	12.27	12.79	14.33	15.36	15.90	16.50	17.02	18.57
	12H	11.10	11.60	12.24	12.72	14.29	15.40	15.91	16.54	17.03	18.59
4H	2H	11.39	12.00	12.52	13.11	14.65	13.62	14.22	14.75	15.33	16.87
	3H	12.41	12.91	13.54	14.05	15.60	15.12	15.62	16.25	16.76	18.31
	4H	12.68	13.14	13.82	14.27	15.84	15.64	16.11	16.78	17.23	18.80
	6H	12.79	13.19	13.94	14.34	15.90	16.00	16.40	17.15	17.55	19.11
	8H	12.80	13.17	13.94	14.31	15.89	16.11	16.48	17.25	17.62	19.20
	12H	12.76	13.09	13.92	14.24	15.83	16.16	16.50	17.32	17.65	19.23
8H	4H	13.12	13.50	14.27	14.63	16.21	15.75	16.13	16.90	17.26	18.84
	6H	13.38	13.69	14.54	14.87	16.44	16.19	16.50	17.35	17.68	19.25
	8H	13.42	13.69	14.59	14.85	16.44	16.34	16.61	17.51	17.77	19.37
	12H	13.40	13.63	14.57	14.79	16.42	16.44	16.67	17.61	17.83	19.46
12H	4H	13.12	13.46	14.28	14.61	16.19	15.71	16.05	16.87	17.20	18.78
	6H	13.44	13.71	14.61	14.87	16.46	16.19	16.45	17.36	17.61	19.21
	8H	13.50	13.73	14.67	14.89	16.52	16.34	16.58	17.52	17.74	19.36