

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: P935909

Luminaire Tested: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935909
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

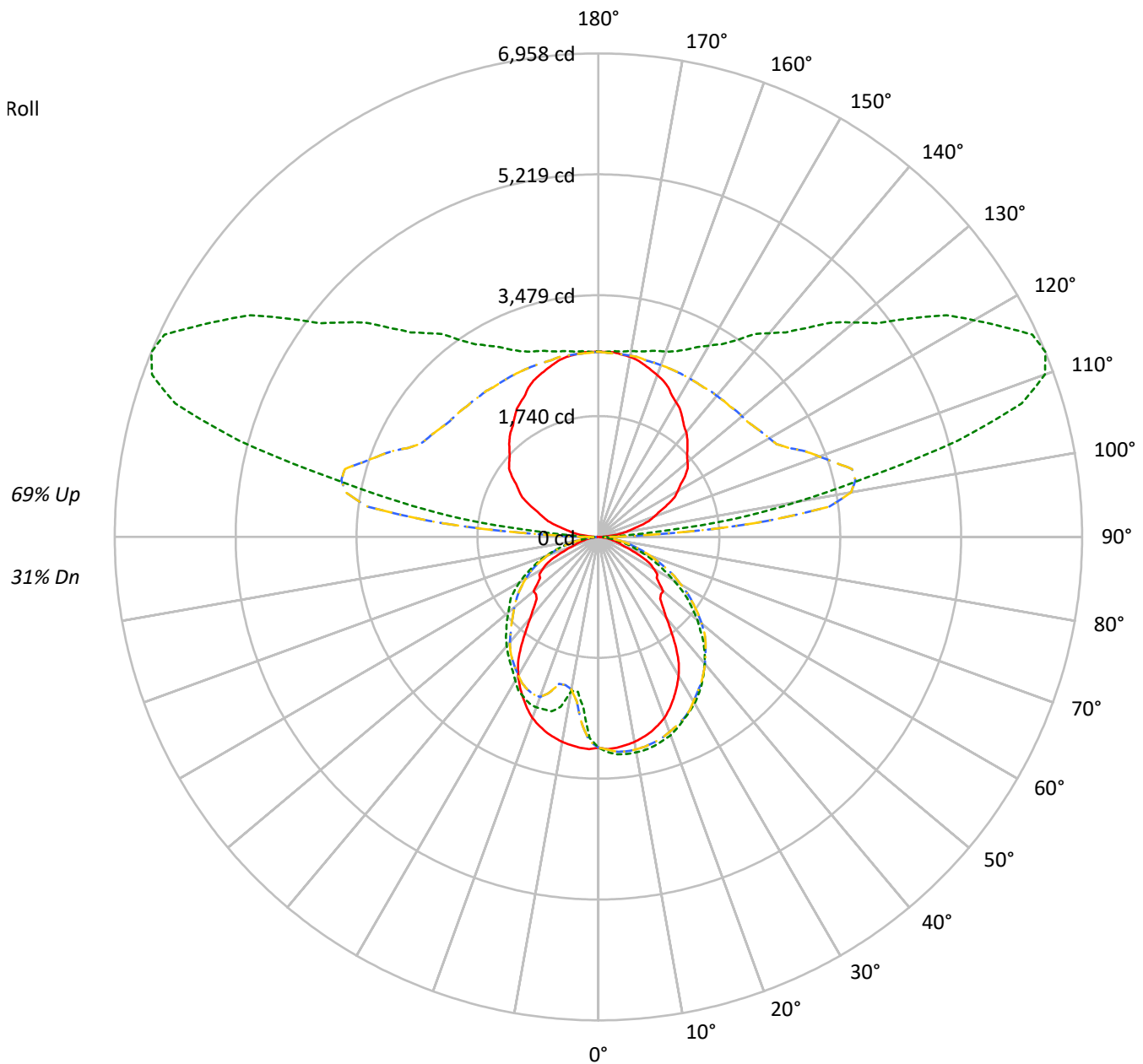
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25148.5 lumens
Efficiency: N/A
Efficacy: 131.8 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

TEST NUMBER: P935909
CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

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°	9377	9377	9377	9377
5°	9450	9466	9450	7442
10°	9391	9324	9391	6666
15°	9292	9122	9292	7617
20°	9102	8883	9102	7633
25°	8707	8534	8707	7471
30°	8196	8244	8196	7116
35°	7311	7877	7311	6726
40°	6095	7446	6095	6431
45°	5450	6941	5450	6092
50°	5794	6338	5794	5751
55°	5457	5689	5457	5554
60°	5632	4832	5632	5087
65°	5114	3994	5114	4465
70°	3550	3183	3550	3743
75°	3125	2353	3125	2818
80°	2536	1555	2536	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8347 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.1
10°-20°	777.0	3.1
20°-30°	1201.1	4.8
30°-40°	1433.8	5.7
40°-50°	1442.2	5.7
50°-60°	1254.9	5.0
60°-70°	889.7	3.5
70°-80°	470.7	1.9
80°-90°	127.4	0.5
90°-100°	1299.2	5.2
100°-110°	3415.7	13.6
110°-120°	3541.7	14.1
120°-130°	2840.9	11.3
130°-140°	2229.1	8.9
140°-150°	1710.9	6.8
150°-160°	1232.1	4.9
160°-170°	753.9	3.0
170°-180°	254.7	1.0
0°-30°	2251.7	9.0
0°-40°	3685.5	14.7
0°-60°	6382.5	25.4
0°-90°	7870.3	31.3
90°-120°	8256.6	32.8
90°-150°	15037.4	59.8
90°-180°	17278.0	68.7
0°-180°	25148.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2469	3046	289
15°	2908	3112	2908	2598	2908	818
25°	2561	2902	2561	2541	2561	1176
35°	1947	2590	1947	2211	1947	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1574	1024	1537	1024	941
65°	711	949	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	18	68	18	68	18	17
95°	172	785	172	785	172	191
105°	615	5348	615	5348	615	652
115°	1093	6887	1093	6887	1093	1080
125°	1520	5484	1520	5484	1520	1350
135°	1812	4256	1812	4256	1812	1402
145°	2102	3452	2102	3452	2102	1317
155°	2376	2973	2376	2973	2376	1092
165°	2563	2769	2563	2769	2563	723
175°	2665	2683	2665	2683	2665	253
180°	2665	2665	2665	2665	2665	



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3057.4	3057.4	3074.6	3080.3	3080.3	3071.7	3063.1	3071.7	3097.5	3106.1	3103.3
5°	3045.9	3068.9	3100.4	3106.1	3111.9	3109.0	3103.3	3109.0	3137.7	3143.4	3146.3
7.5°	3023.0	3066.0	3106.1	3114.7	3123.3	3114.7	3111.9	3117.6	3146.3	3152.0	3152.0
10°	2994.3	3054.5	3100.4	3106.1	3114.7	3106.1	3106.1	3117.6	3146.3	3152.0	3154.9
12.5°	2954.1	3037.3	3080.3	3086.1	3097.5	3094.7	3091.8	3103.3	3132.0	3137.7	3137.7
15°	2908.2	3005.8	3045.9	3051.6	3071.7	3066.0	3066.0	3077.5	3109.0	3117.6	3114.7
17.5°	2845.2	2965.6	3011.5	3020.1	3034.4	3031.6	3034.4	3045.9	3074.6	3080.3	3083.2
20°	2773.5	2911.1	2965.6	2974.2	2988.6	2988.6	2988.6	3002.9	3031.6	3043.0	3043.0
22.5°	2675.9	2853.8	2911.1	2916.9	2934.1	2934.1	2939.8	2959.9	2985.7	2988.6	2988.6
25°	2561.2	2790.7	2839.4	2856.6	2873.8	2882.4	2891.0	2902.5	2911.1	2908.2	2911.1
27.5°	2440.7	2710.4	2773.5	2784.9	2807.9	2816.5	2827.9	2830.8	2833.7	2842.3	2836.5
30°	2305.9	2598.5	2693.1	2704.6	2741.9	2747.6	2736.2	2741.9	2756.2	2762.0	2767.7
32.5°	2153.9	2432.1	2610.0	2635.8	2670.2	2653.0	2650.1	2658.7	2681.7	2681.7	2687.4
35°	1947.4	2303.0	2532.5	2555.5	2581.3	2561.2	2572.7	2575.6	2589.9	2598.5	2595.6
37.5°	1720.8	2191.2	2452.1	2469.3	2489.4	2463.6	2480.8	2489.4	2500.9	2495.2	2495.2
40°	1520.0	2016.2	2357.5	2369.0	2386.2	2366.1	2383.3	2389.0	2394.8	2389.0	2386.2
42.5°	1370.9	1824.0	2257.1	2271.5	2260.0	2274.3	2280.1	2291.5	2282.9	2271.5	2271.5
45°	1256.2	1772.4	2148.1	2165.3	2148.1	2171.1	2179.7	2179.7	2153.9	2148.1	2145.3
47.5°	1218.9	1669.2	2039.1	2039.1	2030.5	2059.2	2073.6	2053.5	2027.7	2019.1	2019.1
50°	1216.0	1554.5	1890.0	1878.5	1918.7	1953.1	1938.8	1918.7	1898.6	1867.1	1867.1
52.5°	1104.2	1413.9	1697.9	1740.9	1804.0	1824.0	1801.1	1781.0	1746.6	1732.3	1720.8
55°	1023.9	1267.7	1522.9	1608.9	1674.9	1700.7	1657.7	1637.6	1586.0	1577.4	1571.7
57.5°	1006.7	1055.4	1362.3	1471.3	1551.6	1548.7	1522.9	1485.6	1442.6	1434.0	1431.1
60°	923.5	762.9	1190.2	1319.3	1402.5	1393.8	1370.9	1336.5	1296.3	1290.6	1284.9
62.5°	837.5	553.5	995.2	1141.5	1259.1	1256.2	1236.1	1184.5	1155.8	1141.5	1130.0
65°	711.3	464.6	708.4	949.3	1118.5	1124.3	1081.2	1044.0	1012.4	995.2	992.3
67.5°	542.1	378.6	479.0	791.6	983.7	978.0	923.5	906.3	866.1	857.5	840.3
70°	401.5	252.4	332.7	642.4	851.8	837.5	794.4	774.4	737.1	717.0	705.5
72.5°	332.7	203.6	243.8	499.0	717.0	699.8	662.5	639.6	608.0	590.8	579.3
75°	269.6	215.1	186.4	370.0	582.2	570.7	536.3	513.4	487.6	464.6	467.5
77.5°	197.9	200.8	149.1	272.5	461.7	444.5	424.5	395.8	384.3	361.4	361.4
80°	149.1	157.7	111.9	186.4	332.7	332.7	315.5	295.4	275.3	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.5	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6	68.0	68.0
92.5°	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7	339.9	326.4
95°	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2	1153.8	1112.9
97.5°	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9	2663.5	2585.6
100°	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6	3740.4	3647.5
102.5°	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8	4659.8	4580.3
105°	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8	5733.0	5690.3
107.5°	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2	6291.1	6301.5
110°	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1	6434.3	6478.8



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0	6343.1	6411.4
115°	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7	6033.6	6128.4
117.5°	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9	5606.1	5711.2
120°	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0	5318.0	5420.2
122.5°	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4	5030.1	5130.9
125°	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4	4649.0	4741.9
127.5°	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0	4343.2	4421.5
130°	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5	4150.0	4222.4
132.5°	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6	3985.5	4050.3
135°	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4	3752.9	3808.7
137.5°	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7	3581.2	3626.9
140°	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7	3443.4	3486.1
142.5°	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3	3346.9	3383.7
145°	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7	3201.9	3229.8
147.5°	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6	3080.3	3103.4
150°	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2	3010.5	3029.2
152.5°	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2	2955.1	2969.2
155°	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1	2888.9	2898.3
157.5°	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8	2831.7	2838.3
160°	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7	2803.0	2806.8
162.5°	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9	2776.2	2779.8
165°	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4	2735.0	2738.8
167.5°	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5	2717.1	2718.8
170°	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5	2717.1	2717.1
172.5°	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0	2702.9	2701.5
175°	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8	2683.2	2683.2
177.5°	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7	2679.6	2677.9
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3109.0	3100.4	3109.0	3103.3	3106.1	3097.5	3071.7	3063.1	3071.7	3080.3	3080.3
5°	3146.3	3140.6	3146.3	3146.3	3143.4	3137.7	3109.0	3103.3	3109.0	3111.9	3106.1
7.5°	3157.8	3149.2	3157.8	3152.0	3152.0	3146.3	3117.6	3111.9	3114.7	3123.3	3114.7
10°	3157.8	3149.2	3157.8	3154.9	3152.0	3146.3	3117.6	3106.1	3106.1	3114.7	3106.1
12.5°	3143.4	3137.7	3143.4	3137.7	3137.7	3132.0	3103.3	3091.8	3094.7	3097.5	3086.1
15°	3120.5	3111.9	3120.5	3114.7	3117.6	3109.0	3077.5	3066.0	3066.0	3071.7	3051.6
17.5°	3086.1	3074.6	3086.1	3083.2	3080.3	3074.6	3045.9	3034.4	3031.6	3034.4	3020.1
20°	3045.9	3037.3	3045.9	3043.0	3043.0	3031.6	3002.9	2988.6	2988.6	2988.6	2974.2
22.5°	2982.8	2974.2	2982.8	2988.6	2988.6	2985.7	2959.9	2939.8	2934.1	2934.1	2916.9
25°	2911.1	2902.5	2911.1	2911.1	2908.2	2911.1	2902.5	2891.0	2882.4	2873.8	2856.6
27.5°	2842.3	2836.5	2842.3	2836.5	2842.3	2833.7	2830.8	2827.9	2816.5	2807.9	2784.9
30°	2773.5	2767.7	2773.5	2767.7	2762.0	2756.2	2741.9	2736.2	2747.6	2741.9	2704.6
32.5°	2687.4	2681.7	2687.4	2687.4	2681.7	2681.7	2658.7	2650.1	2653.0	2670.2	2635.8
35°	2598.5	2589.9	2598.5	2595.6	2598.5	2589.9	2575.6	2572.7	2561.2	2581.3	2555.5
37.5°	2495.2	2486.6	2495.2	2495.2	2495.2	2500.9	2489.4	2480.8	2463.6	2489.4	2469.3
40°	2389.0	2377.6	2389.0	2386.2	2389.0	2394.8	2389.0	2383.3	2366.1	2386.2	2369.0
42.5°	2268.6	2265.7	2268.6	2271.5	2271.5	2282.9	2291.5	2280.1	2274.3	2260.0	2271.5
45°	2139.5	2133.8	2139.5	2145.3	2148.1	2153.9	2179.7	2179.7	2171.1	2148.1	2165.3
47.5°	2001.9	1987.5	2001.9	2019.1	2019.1	2027.7	2053.5	2073.6	2059.2	2030.5	2039.1
50°	1855.6	1858.5	1855.6	1867.1	1867.1	1898.6	1918.7	1938.8	1953.1	1918.7	1878.5
52.5°	1712.2	1709.3	1712.2	1720.8	1732.3	1746.6	1781.0	1801.1	1824.0	1804.0	1740.9
55°	1568.8	1574.5	1568.8	1571.7	1577.4	1586.0	1637.6	1657.7	1700.7	1674.9	1608.9
57.5°	1425.4	1416.8	1425.4	1431.1	1434.0	1442.6	1485.6	1522.9	1548.7	1551.6	1471.3
60°	1259.1	1247.6	1259.1	1284.9	1290.6	1296.3	1336.5	1370.9	1393.8	1402.5	1319.3
62.5°	1112.8	1092.7	1112.8	1130.0	1141.5	1155.8	1184.5	1236.1	1256.2	1259.1	1141.5
65°	957.9	949.3	957.9	992.3	995.2	1012.4	1044.0	1081.2	1124.3	1118.5	949.3
67.5°	817.4	817.4	817.4	840.3	857.5	866.1	906.3	923.5	978.0	983.7	791.6
70°	688.3	685.5	688.3	705.5	717.0	737.1	774.4	794.4	837.5	851.8	642.4
72.5°	565.0	562.1	565.0	579.3	590.8	608.0	639.6	662.5	699.8	717.0	499.0
75°	456.0	450.3	456.0	467.5	464.6	487.6	513.4	536.3	570.7	582.2	370.0
77.5°	349.9	349.9	349.9	361.4	361.4	384.3	395.8	424.5	444.5	461.7	272.5
80°	261.0	258.1	261.0	263.9	263.9	275.3	295.4	315.5	332.7	332.7	186.4
82.5°	183.6	177.8	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8	78.7	50.1
92.5°	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2	485.4	345.2
95°	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0	1194.3	672.5
97.5°	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7	1608.8	738.8
100°	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7	1759.6	794.2
102.5°	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2	1828.7	849.7
105°	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1	1880.1	932.0
107.5°	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1	1889.5	1053.6
110°	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1	1875.3	1121.6



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8	1875.9	1203.9
115°	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6	1893.2	1327.3
117.5°	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8	1928.3	1447.1
120°	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6	1956.9	1516.9
122.5°	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0	1998.1	1599.2
125°	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7	2053.6	1704.7
127.5°	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1	2108.9	1806.6
130°	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0	2149.5	1874.6
132.5°	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6	2182.3	1930.1
135°	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3	2218.1	1994.5
137.5°	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7	2271.7	2076.8
140°	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3	2304.5	2132.3
142.5°	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4	2332.0	2173.4
145°	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4	2367.7	2236.0
147.5°	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9	2420.2	2314.7
150°	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1	2447.6	2355.9
152.5°	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0	2465.5	2382.6
155°	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1	2504.9	2441.7
157.5°	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2	2544.2	2500.7
160°	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3	2562.2	2527.6
162.5°	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6	2581.2	2556.2
165°	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7	2608.6	2597.4
167.5°	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9	2630.1	2620.6
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8	2648.0	2647.5
172.5°	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8	2660.0	2665.3
177.5°	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6	2661.1	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3074.6	3057.4	3057.4	3028.7	3017.2	3008.6	2994.3	2951.3	2939.8	2928.3	2945.5
5°	3100.4	3068.9	3045.9	2994.3	2951.3	2934.1	2879.6	2776.3	2707.5	2655.9	2627.2
7.5°	3106.1	3066.0	3023.0	2942.7	2839.4	2793.5	2627.2	2437.8	2386.2	2340.3	2311.6
10°	3100.4	3054.5	2994.3	2873.8	2630.1	2549.7	2383.3	2260.0	2228.4	2219.8	2228.4
12.5°	3080.3	3037.3	2954.1	2753.4	2412.0	2357.5	2260.0	2188.3	2182.5	2196.9	2274.3
15°	3045.9	3005.8	2908.2	2592.8	2291.5	2251.4	2182.5	2156.7	2188.3	2288.7	2521.0
17.5°	3011.5	2965.6	2845.2	2434.9	2199.8	2171.1	2122.3	2173.9	2351.8	2486.6	2564.1
20°	2965.6	2911.1	2773.5	2320.2	2133.8	2108.0	2085.0	2317.3	2452.1	2500.9	2544.0
22.5°	2911.1	2853.8	2675.9	2239.9	2065.0	2044.9	2059.2	2397.6	2452.1	2486.6	2523.8
25°	2839.4	2790.7	2561.2	2176.8	2010.5	1987.5	2042.0	2389.0	2420.6	2429.2	2503.8
27.5°	2773.5	2710.4	2440.7	2119.5	1944.5	1935.9	2056.4	2351.8	2374.7	2383.3	2463.6
30°	2693.1	2598.5	2305.9	2059.2	1875.7	1872.8	2059.2	2305.9	2300.1	2323.1	2403.4
32.5°	2610.0	2432.1	2153.9	1984.7	1809.7	1806.8	2039.1	2237.0	2231.3	2262.9	2323.1
35°	2532.5	2303.0	1947.4	1898.6	1726.5	1729.4	1990.4	2156.7	2159.6	2188.3	2225.6
37.5°	2452.1	2191.2	1720.8	1804.0	1646.2	1646.2	1924.4	2082.2	2076.4	2085.0	2136.7
40°	2357.5	2016.2	1520.0	1680.6	1571.7	1563.1	1844.1	2001.9	1981.8	1978.9	2050.6
42.5°	2257.1	1824.0	1370.9	1517.2	1485.6	1474.2	1746.6	1904.4	1867.1	1875.7	1967.4
45°	2148.1	1772.4	1256.2	1282.0	1396.7	1388.1	1640.5	1792.5	1766.7	1789.6	1884.3
47.5°	2039.1	1669.2	1218.9	1064.0	1302.1	1299.2	1522.9	1683.5	1669.2	1692.1	1792.5
50°	1890.0	1554.5	1216.0	912.0	1196.0	1207.4	1382.4	1577.4	1577.4	1597.5	1703.6
52.5°	1697.9	1413.9	1104.2	826.0	1072.6	1107.0	1259.1	1485.6	1491.4	1511.4	1606.1
55°	1522.9	1267.7	1023.9	760.0	926.4	1000.9	1138.6	1391.0	1402.5	1422.5	1508.6
57.5°	1362.3	1055.4	1006.7	682.6	791.6	863.3	1032.5	1299.2	1304.9	1322.1	1405.3
60°	1190.2	762.9	923.5	599.4	674.0	728.5	935.0	1190.2	1210.3	1221.8	1293.5
62.5°	995.2	553.5	837.5	542.1	616.6	628.1	854.7	1087.0	1112.8	1121.4	1164.4
65°	708.4	464.6	711.3	493.3	556.4	559.3	768.6	980.9	1003.8	1018.1	1049.7
67.5°	479.0	378.6	542.1	447.4	510.5	513.4	685.5	857.5	889.1	900.6	920.6
70°	332.7	252.4	401.5	398.7	458.9	464.6	596.5	745.7	774.4	783.0	794.4
72.5°	243.8	203.6	332.7	358.5	404.4	410.1	504.8	619.5	648.2	656.8	662.5
75°	186.4	215.1	269.6	312.6	344.2	347.0	413.0	504.8	524.8	530.6	533.4
77.5°	149.1	200.8	197.9	252.4	281.1	275.3	324.1	390.0	407.3	407.3	407.3
80°	111.9	157.7	149.1	180.7	206.5	200.8	232.3	278.2	283.9	289.7	286.8
82.5°	83.2	100.4	100.4	114.7	137.7	131.9	154.9	180.7	180.7	180.7	186.4
85°	51.6	57.4	45.9	60.2	77.4	74.6	86.0	97.5	100.4	100.4	94.6
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	46.6	32.2	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6
92.5°	314.8	193.1	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7
95°	616.9	394.3	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2
97.5°	689.7	493.3	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9
100°	749.7	571.6	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6
102.5°	808.1	642.0	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8
105°	896.8	756.1	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8
107.5°	1020.8	889.7	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2
110°	1091.9	973.5	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1175.7	1062.8	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0
115°	1301.3	1197.1	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7
117.5°	1423.5	1328.8	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9
120°	1494.6	1405.6	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0
122.5°	1576.7	1486.9	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4
125°	1684.3	1602.4	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4
127.5°	1786.0	1703.3	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0
130°	1852.3	1763.3	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5
132.5°	1907.8	1818.8	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6
135°	1974.2	1893.1	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4
137.5°	2056.7	1976.4	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7
140°	2113.8	2039.8	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7
142.5°	2156.3	2087.9	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3
145°	2221.1	2161.5	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7
147.5°	2300.1	2242.1	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6
150°	2342.8	2290.3	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2
152.5°	2372.7	2333.0	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2
155°	2434.4	2405.0	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1
157.5°	2493.5	2465.0	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8
160°	2522.0	2499.7	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7
162.5°	2551.9	2535.3	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9
165°	2593.5	2578.4	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4
167.5°	2618.8	2611.7	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5
170°	2645.6	2638.5	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5
172.5°	2648.8	2647.2	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0
175°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8
177.5°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2925.5	2916.9	2928.3	2896.8	2928.3	2916.9	2925.5	2945.5	2928.3	2939.8	2951.3
5°	2567.0	2552.6	2506.6	2469.3	2506.6	2552.6	2567.0	2627.2	2655.9	2707.5	2776.3
7.5°	2294.4	2282.9	2271.5	2248.5	2271.5	2282.9	2294.4	2311.6	2340.3	2386.2	2437.8
10°	2234.2	2237.0	2254.2	2251.4	2254.2	2237.0	2234.2	2228.4	2219.8	2228.4	2260.0
12.5°	2389.0	2414.9	2509.5	2503.8	2509.5	2414.9	2389.0	2274.3	2196.9	2182.5	2188.3
15°	2567.0	2575.6	2595.6	2598.5	2595.6	2575.6	2567.0	2521.0	2288.7	2188.3	2156.7
17.5°	2584.2	2587.0	2601.4	2601.4	2601.4	2587.0	2584.2	2564.1	2486.6	2351.8	2173.9
20°	2569.8	2575.6	2604.2	2610.0	2604.2	2575.6	2569.8	2544.0	2500.9	2452.1	2317.3
22.5°	2564.1	2575.6	2598.5	2595.6	2598.5	2575.6	2564.1	2523.8	2486.6	2452.1	2397.6
25°	2535.4	2535.4	2538.3	2541.1	2538.3	2535.4	2535.4	2503.8	2429.2	2420.6	2389.0
27.5°	2475.1	2480.8	2498.0	2495.2	2498.0	2480.8	2475.1	2463.6	2383.3	2374.7	2351.8
30°	2420.6	2414.9	2400.5	2389.0	2400.5	2414.9	2420.6	2403.4	2323.1	2300.1	2305.9
32.5°	2328.8	2314.5	2300.1	2291.5	2300.1	2314.5	2328.8	2323.1	2262.9	2231.3	2237.0
35°	2219.8	2222.7	2219.8	2211.2	2219.8	2222.7	2219.8	2225.6	2188.3	2159.6	2156.7
37.5°	2142.4	2148.1	2145.3	2133.8	2145.3	2148.1	2142.4	2136.7	2085.0	2076.4	2082.2
40°	2062.1	2065.0	2062.1	2053.5	2062.1	2065.0	2062.1	2050.6	1978.9	1981.8	2001.9
42.5°	1984.7	1981.8	1973.2	1967.4	1973.2	1981.8	1984.7	1967.4	1875.7	1867.1	1904.4
45°	1895.7	1898.6	1881.4	1872.8	1881.4	1898.6	1895.7	1884.3	1789.6	1766.7	1792.5
47.5°	1806.8	1806.8	1792.5	1783.9	1792.5	1806.8	1806.8	1792.5	1692.1	1669.2	1683.5
50°	1712.2	1709.3	1689.3	1686.4	1689.3	1709.3	1712.2	1703.6	1597.5	1577.4	1577.4
52.5°	1603.2	1603.2	1606.1	1611.8	1606.1	1603.2	1603.2	1606.1	1511.4	1491.4	1485.6
55°	1508.6	1511.4	1531.5	1537.2	1531.5	1511.4	1508.6	1508.6	1422.5	1402.5	1391.0
57.5°	1411.1	1411.1	1425.4	1425.4	1425.4	1411.1	1411.1	1405.3	1322.1	1304.9	1299.2
60°	1299.2	1304.9	1316.4	1313.5	1316.4	1304.9	1299.2	1293.5	1221.8	1210.3	1190.2
62.5°	1181.6	1187.4	1190.2	1184.5	1190.2	1187.4	1181.6	1164.4	1121.4	1112.8	1087.0
65°	1058.3	1064.0	1066.9	1061.2	1066.9	1064.0	1058.3	1049.7	1018.1	1003.8	980.9
67.5°	932.1	929.2	926.4	937.8	926.4	929.2	932.1	920.6	900.6	889.1	857.5
70°	803.0	803.0	800.2	805.9	800.2	803.0	803.0	794.4	783.0	774.4	745.7
72.5°	665.4	662.5	674.0	665.4	674.0	662.5	665.4	662.5	656.8	648.2	619.5
75°	530.6	536.3	530.6	539.2	530.6	536.3	530.6	533.4	530.6	524.8	504.8
77.5°	404.4	410.1	404.4	404.4	404.4	410.1	404.4	407.3	407.3	407.3	390.0
80°	286.8	283.9	283.9	281.1	283.9	283.9	286.8	286.8	289.7	283.9	278.2
82.5°	183.6	180.7	180.7	186.4	180.7	180.7	183.6	186.4	180.7	180.7	180.7
85°	100.4	103.2	97.5	97.5	97.5	103.2	100.4	94.6	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8
92.5°	339.9	326.4	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2
95°	1153.8	1112.9	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0
97.5°	2663.5	2585.6	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7
100°	3740.4	3647.5	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7
102.5°	4659.8	4580.3	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2
105°	5733.0	5690.3	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1
107.5°	6291.1	6301.5	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1
110°	6434.3	6478.8	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6343.1	6411.4	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8
115°	6033.6	6128.4	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6
117.5°	5606.1	5711.2	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8
120°	5318.0	5420.2	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6
122.5°	5030.1	5130.9	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0
125°	4649.0	4741.9	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7
127.5°	4343.2	4421.5	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1
130°	4150.0	4222.4	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0
132.5°	3985.5	4050.3	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6
135°	3752.9	3808.7	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3
137.5°	3581.2	3626.9	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7
140°	3443.4	3486.1	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3
142.5°	3346.9	3383.7	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4
145°	3201.9	3229.8	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4
147.5°	3080.3	3103.4	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9
150°	3010.5	3029.2	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1
152.5°	2955.1	2969.2	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0
155°	2888.9	2898.3	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1
157.5°	2831.7	2838.3	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2
160°	2803.0	2806.8	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3
162.5°	2776.2	2779.8	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6
165°	2735.0	2738.8	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7
167.5°	2717.1	2718.8	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8
172.5°	2702.9	2701.5	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8
177.5°	2679.6	2677.9	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2994.3	3008.6	3017.2	3028.7	3057.4
5°	2879.6	2934.1	2951.3	2994.3	3045.9
7.5°	2627.2	2793.5	2839.4	2942.7	3023.0
10°	2383.3	2549.7	2630.1	2873.8	2994.3
12.5°	2260.0	2357.5	2412.0	2753.4	2954.1
15°	2182.5	2251.4	2291.5	2592.8	2908.2
17.5°	2122.3	2171.1	2199.8	2434.9	2845.2
20°	2085.0	2108.0	2133.8	2320.2	2773.5
22.5°	2059.2	2044.9	2065.0	2239.9	2675.9
25°	2042.0	1987.5	2010.5	2176.8	2561.2
27.5°	2056.4	1935.9	1944.5	2119.5	2440.7
30°	2059.2	1872.8	1875.7	2059.2	2305.9
32.5°	2039.1	1806.8	1809.7	1984.7	2153.9
35°	1990.4	1729.4	1726.5	1898.6	1947.4
37.5°	1924.4	1646.2	1646.2	1804.0	1720.8
40°	1844.1	1563.1	1571.7	1680.6	1520.0
42.5°	1746.6	1474.2	1485.6	1517.2	1370.9
45°	1640.5	1388.1	1396.7	1282.0	1256.2
47.5°	1522.9	1299.2	1302.1	1064.0	1218.9
50°	1382.4	1207.4	1196.0	912.0	1216.0
52.5°	1259.1	1107.0	1072.6	826.0	1104.2
55°	1138.6	1000.9	926.4	760.0	1023.9
57.5°	1032.5	863.3	791.6	682.6	1006.7
60°	935.0	728.5	674.0	599.4	923.5
62.5°	854.7	628.1	616.6	542.1	837.5
65°	768.6	559.3	556.4	493.3	711.3
67.5°	685.5	513.4	510.5	447.4	542.1
70°	596.5	464.6	458.9	398.7	401.5
72.5°	504.8	410.1	404.4	358.5	332.7
75°	413.0	347.0	344.2	312.6	269.6
77.5°	324.1	275.3	281.1	252.4	197.9
80°	232.3	200.8	206.5	180.7	149.1
82.5°	154.9	131.9	137.7	114.7	100.4
85°	86.0	74.6	77.4	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	78.7	50.1	46.6	32.2	17.9
92.5°	485.4	345.2	314.8	193.1	71.5
95°	1194.3	672.5	616.9	394.3	171.7
97.5°	1608.8	738.8	689.7	493.3	296.9
100°	1759.6	794.2	749.7	571.6	393.5
102.5°	1828.7	849.7	808.1	642.0	475.8
105°	1880.1	932.0	896.8	756.1	615.4
107.5°	1889.5	1053.6	1020.8	889.7	758.5
110°	1875.3	1121.6	1091.9	973.5	855.0



TEST NUMBER: P935909

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1875.9	1203.9	1175.7	1062.8	949.9
115°	1893.2	1327.3	1301.3	1197.1	1093.0
117.5°	1928.3	1447.1	1423.5	1328.8	1234.3
120°	1956.9	1516.9	1494.6	1405.6	1316.5
122.5°	1998.1	1599.2	1576.7	1486.9	1397.0
125°	2053.6	1704.7	1684.3	1602.4	1520.5
127.5°	2108.9	1806.6	1786.0	1703.3	1620.6
130°	2149.5	1874.6	1852.3	1763.3	1674.3
132.5°	2182.3	1930.1	1907.8	1818.8	1729.8
135°	2218.1	1994.5	1974.2	1893.1	1812.0
137.5°	2271.7	2076.8	2056.7	1976.4	1896.1
140°	2304.5	2132.3	2113.8	2039.8	1965.9
142.5°	2332.0	2173.4	2156.3	2087.9	2019.6
145°	2367.7	2236.0	2221.1	2161.5	2101.9
147.5°	2420.2	2314.7	2300.1	2242.1	2184.1
150°	2447.6	2355.9	2342.8	2290.3	2237.8
152.5°	2465.5	2382.6	2372.7	2333.0	2293.3
155°	2504.9	2441.7	2434.4	2405.0	2375.6
157.5°	2544.2	2500.7	2493.5	2465.0	2436.4
160°	2562.2	2527.6	2522.0	2499.7	2477.5
162.5°	2581.2	2556.2	2551.9	2535.3	2518.6
165°	2608.6	2597.4	2593.5	2578.4	2563.3
167.5°	2630.1	2620.6	2618.8	2611.7	2604.5
170°	2648.0	2647.5	2645.6	2638.5	2631.3
172.5°	2649.2	2649.2	2648.8	2647.2	2645.6
175°	2660.0	2665.3	2665.3	2665.3	2665.3
177.5°	2661.1	2665.3	2665.3	2665.3	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P935909
 CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-12

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	10.55	11.26	11.65	12.36	13.88	13.40	14.11	14.50	15.21	16.73
	3H	11.01	11.65	12.13	12.76	14.29	14.74	15.38	15.85	16.49	18.02
	4H	11.20	11.81	12.32	12.91	14.45	15.18	15.79	16.30	16.90	18.44
	6H	11.31	11.87	12.44	12.98	14.53	15.46	16.02	16.59	17.13	18.68
	8H	11.31	11.84	12.44	12.96	14.51	15.54	16.07	16.67	17.20	18.74
	12H	11.27	11.78	12.41	12.90	14.46	15.57	16.08	16.71	17.20	18.77
4H	2H	11.57	12.18	12.70	13.28	14.82	13.79	14.40	14.92	15.51	17.04
	3H	12.58	13.09	13.72	14.22	15.77	15.29	15.79	16.42	16.93	18.48
	4H	12.85	13.32	13.99	14.44	16.01	15.81	16.28	16.95	17.40	18.97
	6H	12.97	13.37	14.11	14.51	16.07	16.18	16.58	17.32	17.72	19.28
	8H	12.97	13.34	14.11	14.48	16.06	16.28	16.66	17.43	17.79	19.37
	12H	12.93	13.27	14.09	14.42	16.00	16.34	16.67	17.50	17.82	19.41
8H	4H	13.30	13.67	14.44	14.81	16.38	15.93	16.30	17.07	17.44	19.02
	6H	13.55	13.86	14.72	15.04	16.61	16.36	16.67	17.53	17.85	19.42
	8H	13.59	13.86	14.76	15.02	16.62	16.52	16.78	17.69	17.94	19.54
	12H	13.57	13.81	14.74	14.96	16.59	16.61	16.85	17.79	18.00	19.63
12H	4H	13.30	13.63	14.46	14.78	16.37	15.88	16.22	17.04	17.37	18.95
	6H	13.61	13.88	14.78	15.04	16.64	16.36	16.63	17.53	17.79	19.38
	8H	13.67	13.91	14.85	15.06	16.69	16.52	16.75	17.69	17.91	19.54