

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: P935913

Luminaire Tested: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

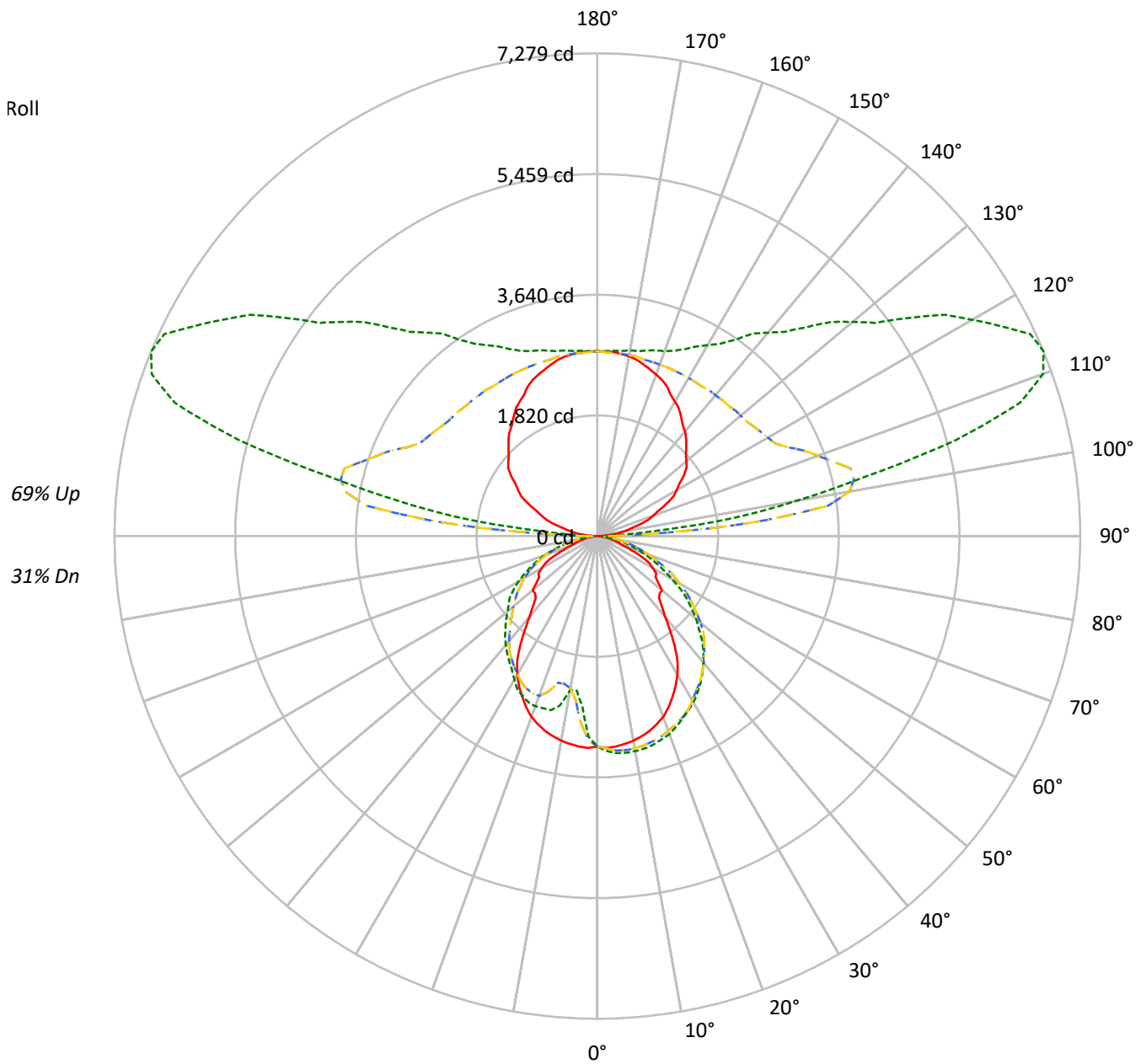
Test Method: LM-79-2019  
Report Number: P935913  
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26305.9 lumens  
Efficiency: N/A  
Efficacy: 137.9 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	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°	9808	9808	9808	9808
5°	9885	9901	9885	7785
10°	9823	9753	9823	6973
15°	9720	9542	9720	7968
20°	9520	9292	9520	7984
25°	9108	8926	9108	7815
30°	8573	8623	8573	7443
35°	7647	8240	7647	7035
40°	6375	7788	6375	6727
45°	5700	7260	5700	6372
50°	6061	6630	6061	6016
55°	5708	5951	5708	5810
60°	5891	5054	5891	5321
65°	5350	4178	5350	4670
70°	3713	3330	3713	3915
75°	3268	2461	3268	2947
80°	2653	1627	2653	1772
85°	1555	862	1555	733

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.2	1.1
10°-20°	812.7	3.1
20°-30°	1256.3	4.8
30°-40°	1499.8	5.7
40°-50°	1508.6	5.7
50°-60°	1312.6	5.0
60°-70°	930.7	3.5
70°-80°	492.4	1.9
80°-90°	133.3	0.5
90°-100°	1359.0	5.2
100°-110°	3572.9	13.6
110°-120°	3704.7	14.1
120°-130°	2971.6	11.3
130°-140°	2331.7	8.9
140°-150°	1789.6	6.8
150°-160°	1288.8	4.9
160°-170°	788.6	3.0
170°-180°	266.4	1.0
0°-30°	2355.3	9.0
0°-40°	3855.1	14.7
0°-60°	6676.2	25.4
0°-90°	8232.6	31.3
90°-120°	8636.6	32.8
90°-150°	15729.5	59.8
90°-180°	18073.0	68.7
0°-180°	26305.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3171	3171	3171	3171	3171	
5°	3186	3285	3186	2583	3186	302
15°	3042	3255	3042	2718	3042	856
25°	2679	3036	2679	2658	2679	1230
35°	2037	2709	2037	2313	2037	1260
45°	1314	2232	1314	1959	1314	1053
55°	1071	1647	1071	1608	1071	984
65°	744	993	744	1110	744	711
75°	282	471	282	564	282	296
85°	48	120	48	102	48	65
90°	19	71	19	71	19	17
95°	180	821	180	821	180	199
105°	644	5595	644	5595	644	682
115°	1143	7204	1143	7204	1143	1129
125°	1590	5737	1590	5737	1590	1412
135°	1895	4451	1895	4451	1895	1467
145°	2199	3611	2199	3611	2199	1377
155°	2485	3110	2485	3110	2485	1142
165°	2681	2896	2681	2896	2681	757
175°	2788	2807	2788	2807	2788	265
180°	2788	2788	2788	2788	2788	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3198.1	3198.1	3216.1	3222.1	3222.1	3213.1	3204.1	3213.1	3240.1	3249.1	3246.1
5°	3186.1	3210.1	3243.1	3249.1	3255.1	3252.1	3246.1	3252.1	3282.1	3288.1	3291.1
7.5°	3162.1	3207.1	3249.1	3258.1	3267.1	3258.1	3255.1	3261.1	3291.1	3297.1	3297.1
10°	3132.1	3195.1	3243.1	3249.1	3258.1	3249.1	3249.1	3261.1	3291.1	3297.1	3300.1
12.5°	3090.1	3177.1	3222.1	3228.1	3240.1	3237.1	3234.1	3246.1	3276.1	3282.1	3282.1
15°	3042.1	3144.1	3186.1	3192.1	3213.1	3207.1	3207.1	3219.1	3252.1	3261.1	3258.1
17.5°	2976.1	3102.1	3150.1	3159.1	3174.1	3171.1	3174.1	3186.1	3216.1	3222.1	3225.1
20°	2901.1	3045.1	3102.1	3111.1	3126.1	3126.1	3126.1	3141.1	3171.1	3183.1	3183.1
22.5°	2799.1	2985.1	3045.1	3051.1	3069.1	3069.1	3075.1	3096.1	3123.1	3126.1	3126.1
25°	2679.1	2919.1	2970.1	2988.1	3006.1	3015.1	3024.1	3036.1	3045.1	3042.1	3045.1
27.5°	2553.0	2835.1	2901.1	2913.1	2937.1	2946.1	2958.1	2961.1	2964.1	2973.1	2967.1
30°	2412.0	2718.1	2817.1	2829.1	2868.1	2874.1	2862.1	2868.1	2883.1	2889.1	2895.1
32.5°	2253.0	2544.0	2730.1	2757.1	2793.1	2775.1	2772.1	2781.1	2805.1	2805.1	2811.1
35°	2037.0	2409.0	2649.1	2673.1	2700.1	2679.1	2691.1	2694.1	2709.1	2718.1	2715.1
37.5°	1800.0	2292.0	2565.0	2583.0	2604.0	2577.0	2595.0	2604.0	2616.0	2610.0	2610.0
40°	1590.0	2109.0	2466.0	2478.0	2496.0	2475.0	2493.0	2499.0	2505.0	2499.0	2496.0
42.5°	1434.0	1908.0	2361.0	2376.0	2364.0	2379.0	2385.0	2397.0	2388.0	2376.0	2376.0
45°	1314.0	1854.0	2247.0	2265.0	2247.0	2271.0	2280.0	2280.0	2253.0	2247.0	2244.0
47.5°	1275.0	1746.0	2133.0	2133.0	2124.0	2154.0	2169.0	2148.0	2121.0	2112.0	2112.0
50°	1272.0	1626.0	1977.0	1965.0	2007.0	2043.0	2028.0	2007.0	1986.0	1953.0	1953.0
52.5°	1155.0	1479.0	1776.0	1821.0	1887.0	1908.0	1884.0	1863.0	1827.0	1812.0	1800.0
55°	1071.0	1326.0	1593.0	1683.0	1752.0	1779.0	1734.0	1713.0	1659.0	1650.0	1644.0
57.5°	1053.0	1104.0	1425.0	1539.0	1623.0	1620.0	1593.0	1554.0	1509.0	1500.0	1497.0
60°	966.0	798.0	1245.0	1380.0	1467.0	1458.0	1434.0	1398.0	1356.0	1350.0	1344.0
62.5°	876.0	579.0	1041.0	1194.0	1317.0	1314.0	1293.0	1239.0	1209.0	1194.0	1182.0
65°	744.0	486.0	741.0	993.0	1170.0	1176.0	1131.0	1092.0	1059.0	1041.0	1038.0
67.5°	567.0	396.0	501.0	828.0	1029.0	1023.0	966.0	948.0	906.0	897.0	879.0
70°	420.0	264.0	348.0	672.0	891.0	876.0	831.0	810.0	771.0	750.0	738.0
72.5°	348.0	213.0	255.0	522.0	750.0	732.0	693.0	669.0	636.0	618.0	606.0
75°	282.0	225.0	195.0	387.0	609.0	597.0	561.0	537.0	510.0	486.0	489.0
77.5°	207.0	210.0	156.0	285.0	483.0	465.0	444.0	414.0	402.0	378.0	378.0
80°	156.0	165.0	117.0	195.0	348.0	348.0	330.0	309.0	288.0	276.0	276.0
82.5°	105.0	105.0	87.0	123.0	237.0	228.0	216.0	210.0	198.0	192.0	192.0
85°	48.0	60.0	54.0	75.0	129.0	135.0	135.0	129.0	126.0	120.0	123.0
87.5°	15.0	27.0	33.0	42.0	66.0	69.0	72.0	72.0	72.0	75.0	75.0
90°	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8	71.1	71.1
92.5°	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9	355.5	341.4
95°	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9	1206.9	1164.1
97.5°	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0	2786.1	2704.6
100°	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0	3912.5	3815.4
102.5°	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9	4874.3	4791.1
105°	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6	5996.9	5952.2
107.5°	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9	6580.7	6591.5
110°	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4	6730.4	6777.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0	6635.0	6706.5
115°	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2	6311.3	6410.5
117.5°	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3	5864.1	5974.1
120°	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7	5562.8	5669.7
122.5°	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6	5261.6	5367.0
125°	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3	4863.0	4960.1
127.5°	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9	4543.1	4625.0
130°	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2	4341.0	4416.7
132.5°	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1	4168.9	4236.7
135°	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4	3925.6	3984.0
137.5°	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4	3746.0	3793.8
140°	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0	3601.9	3646.6
142.5°	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6	3500.9	3539.4
145°	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3	3349.3	3378.4
147.5°	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5	3222.1	3246.2
150°	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9	3149.1	3168.6
152.5°	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2	3091.1	3105.9
155°	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1	3021.9	3031.7
157.5°	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1	2962.0	2968.9
160°	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1	2932.0	2936.0
162.5°	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5	2904.0	2907.7
165°	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7	2860.9	2864.9
167.5°	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5	2842.2	2843.9
170°	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5	2842.2	2842.2
172.5°	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6	2827.3	2825.8
175°	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8	2806.7	2806.7
177.5°	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6	2802.9	2801.2
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3252.1	3243.1	3252.1	3246.1	3249.1	3240.1	3213.1	3204.1	3213.1	3222.1	3222.1
5°	3291.1	3285.1	3291.1	3291.1	3288.1	3282.1	3252.1	3246.1	3252.1	3255.1	3249.1
7.5°	3303.1	3294.1	3303.1	3297.1	3297.1	3291.1	3261.1	3255.1	3258.1	3267.1	3258.1
10°	3303.1	3294.1	3303.1	3300.1	3297.1	3291.1	3261.1	3249.1	3249.1	3258.1	3249.1
12.5°	3288.1	3282.1	3288.1	3282.1	3282.1	3276.1	3246.1	3234.1	3237.1	3240.1	3228.1
15°	3264.1	3255.1	3264.1	3258.1	3261.1	3252.1	3219.1	3207.1	3207.1	3213.1	3192.1
17.5°	3228.1	3216.1	3228.1	3225.1	3222.1	3216.1	3186.1	3174.1	3171.1	3174.1	3159.1
20°	3186.1	3177.1	3186.1	3183.1	3183.1	3171.1	3141.1	3126.1	3126.1	3126.1	3111.1
22.5°	3120.1	3111.1	3120.1	3126.1	3126.1	3123.1	3096.1	3075.1	3069.1	3069.1	3051.1
25°	3045.1	3036.1	3045.1	3045.1	3042.1	3045.1	3036.1	3024.1	3015.1	3006.1	2988.1
27.5°	2973.1	2967.1	2973.1	2967.1	2973.1	2964.1	2961.1	2958.1	2946.1	2937.1	2913.1
30°	2901.1	2895.1	2901.1	2895.1	2889.1	2883.1	2868.1	2862.1	2874.1	2868.1	2829.1
32.5°	2811.1	2805.1	2811.1	2811.1	2805.1	2805.1	2781.1	2772.1	2775.1	2793.1	2757.1
35°	2718.1	2709.1	2718.1	2715.1	2718.1	2709.1	2694.1	2691.1	2679.1	2700.1	2673.1
37.5°	2610.0	2601.0	2610.0	2610.0	2610.0	2616.0	2604.0	2595.0	2577.0	2604.0	2583.0
40°	2499.0	2487.0	2499.0	2496.0	2499.0	2505.0	2499.0	2493.0	2475.0	2496.0	2478.0
42.5°	2373.0	2370.0	2373.0	2376.0	2376.0	2388.0	2397.0	2385.0	2379.0	2364.0	2376.0
45°	2238.0	2232.0	2238.0	2244.0	2247.0	2253.0	2280.0	2280.0	2271.0	2247.0	2265.0
47.5°	2094.0	2079.0	2094.0	2112.0	2112.0	2121.0	2148.0	2169.0	2154.0	2124.0	2133.0
50°	1941.0	1944.0	1941.0	1953.0	1953.0	1986.0	2007.0	2028.0	2043.0	2007.0	1965.0
52.5°	1791.0	1788.0	1791.0	1800.0	1812.0	1827.0	1863.0	1884.0	1908.0	1887.0	1821.0
55°	1641.0	1647.0	1641.0	1644.0	1650.0	1659.0	1713.0	1734.0	1779.0	1752.0	1683.0
57.5°	1491.0	1482.0	1491.0	1497.0	1500.0	1509.0	1554.0	1593.0	1620.0	1623.0	1539.0
60°	1317.0	1305.0	1317.0	1344.0	1350.0	1356.0	1398.0	1434.0	1458.0	1467.0	1380.0
62.5°	1164.0	1143.0	1164.0	1182.0	1194.0	1209.0	1239.0	1293.0	1314.0	1317.0	1194.0
65°	1002.0	993.0	1002.0	1038.0	1041.0	1059.0	1092.0	1131.0	1176.0	1170.0	993.0
67.5°	855.0	855.0	855.0	879.0	897.0	906.0	948.0	966.0	1023.0	1029.0	828.0
70°	720.0	717.0	720.0	738.0	750.0	771.0	810.0	831.0	876.0	891.0	672.0
72.5°	591.0	588.0	591.0	606.0	618.0	636.0	669.0	693.0	732.0	750.0	522.0
75°	477.0	471.0	477.0	489.0	486.0	510.0	537.0	561.0	597.0	609.0	387.0
77.5°	366.0	366.0	366.0	378.0	378.0	402.0	414.0	444.0	465.0	483.0	285.0
80°	273.0	270.0	273.0	276.0	276.0	288.0	309.0	330.0	348.0	348.0	195.0
82.5°	192.0	186.0	192.0	192.0	192.0	198.0	210.0	216.0	228.0	237.0	123.0
85°	120.0	120.0	120.0	123.0	120.0	126.0	129.0	135.0	135.0	129.0	75.0
87.5°	78.0	75.0	78.0	75.0	75.0	72.0	72.0	72.0	69.0	66.0	42.0
90°	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2	82.3	52.4
92.5°	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1	507.7	361.1
95°	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0	1249.3	703.5
97.5°	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1	1682.8	772.8
100°	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9	1840.6	830.8
102.5°	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4	1912.9	888.8
105°	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8	1966.6	974.9
107.5°	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4	1976.5	1102.1
110°	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7	1961.6	1173.2





TEST NUMBER: P935913

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4	1962.2	1259.3
115°	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5	1980.3	1388.4
117.5°	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1	2017.0	1513.7
120°	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7	2047.0	1586.7
122.5°	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4	2090.1	1672.8
125°	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6	2148.1	1783.2
127.5°	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7	2206.0	1889.8
130°	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8	2248.4	1960.9
132.5°	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5	2282.7	2018.9
135°	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1	2320.2	2086.3
137.5°	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2	2376.3	2172.4
140°	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9	2410.6	2230.4
142.5°	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5	2439.3	2273.4
145°	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5	2476.7	2338.9
147.5°	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8	2531.6	2421.2
150°	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4	2560.3	2464.3
152.5°	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6	2579.0	2492.3
155°	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3	2620.2	2554.1
157.5°	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0	2661.3	2615.8
160°	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3	2680.1	2643.9
162.5°	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9	2700.0	2673.8
165°	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5	2728.7	2716.9
167.5°	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5	2751.2	2741.2
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7	2769.9	2769.3
172.5°	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9	2782.4	2788.0
177.5°	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8	2783.6	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935913

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3216.1	3198.1	3198.1	3168.1	3156.1	3147.1	3132.1	3087.1	3075.1	3063.1	3081.1
5°	3243.1	3210.1	3186.1	3132.1	3087.1	3069.1	3012.1	2904.1	2832.1	2778.1	2748.1
7.5°	3249.1	3207.1	3162.1	3078.1	2970.1	2922.1	2748.1	2550.0	2496.0	2448.0	2418.0
10°	3243.1	3195.1	3132.1	3006.1	2751.1	2667.1	2493.0	2364.0	2331.0	2322.0	2331.0
12.5°	3222.1	3177.1	3090.1	2880.1	2523.0	2466.0	2364.0	2289.0	2283.0	2298.0	2379.0
15°	3186.1	3144.1	3042.1	2712.1	2397.0	2355.0	2283.0	2256.0	2289.0	2394.0	2637.0
17.5°	3150.1	3102.1	2976.1	2547.0	2301.0	2271.0	2220.0	2274.0	2460.0	2601.0	2682.1
20°	3102.1	3045.1	2901.1	2427.0	2232.0	2205.0	2181.0	2424.0	2565.0	2616.0	2661.1
22.5°	3045.1	2985.1	2799.1	2343.0	2160.0	2139.0	2154.0	2508.0	2565.0	2601.0	2640.0
25°	2970.1	2919.1	2679.1	2277.0	2103.0	2079.0	2136.0	2499.0	2532.0	2541.0	2619.0
27.5°	2901.1	2835.1	2553.0	2217.0	2034.0	2025.0	2151.0	2460.0	2484.0	2493.0	2577.0
30°	2817.1	2718.1	2412.0	2154.0	1962.0	1959.0	2154.0	2412.0	2406.0	2430.0	2514.0
32.5°	2730.1	2544.0	2253.0	2076.0	1893.0	1890.0	2133.0	2340.0	2334.0	2367.0	2430.0
35°	2649.1	2409.0	2037.0	1986.0	1806.0	1809.0	2082.0	2256.0	2259.0	2289.0	2328.0
37.5°	2565.0	2292.0	1800.0	1887.0	1722.0	1722.0	2013.0	2178.0	2172.0	2181.0	2235.0
40°	2466.0	2109.0	1590.0	1758.0	1644.0	1635.0	1929.0	2094.0	2073.0	2070.0	2145.0
42.5°	2361.0	1908.0	1434.0	1587.0	1554.0	1542.0	1827.0	1992.0	1953.0	1962.0	2058.0
45°	2247.0	1854.0	1314.0	1341.0	1461.0	1452.0	1716.0	1875.0	1848.0	1872.0	1971.0
47.5°	2133.0	1746.0	1275.0	1113.0	1362.0	1359.0	1593.0	1761.0	1746.0	1770.0	1875.0
50°	1977.0	1626.0	1272.0	954.0	1251.0	1263.0	1446.0	1650.0	1650.0	1671.0	1782.0
52.5°	1776.0	1479.0	1155.0	864.0	1122.0	1158.0	1317.0	1554.0	1560.0	1581.0	1680.0
55°	1593.0	1326.0	1071.0	795.0	969.0	1047.0	1191.0	1455.0	1467.0	1488.0	1578.0
57.5°	1425.0	1104.0	1053.0	714.0	828.0	903.0	1080.0	1359.0	1365.0	1383.0	1470.0
60°	1245.0	798.0	966.0	627.0	705.0	762.0	978.0	1245.0	1266.0	1278.0	1353.0
62.5°	1041.0	579.0	876.0	567.0	645.0	657.0	894.0	1137.0	1164.0	1173.0	1218.0
65°	741.0	486.0	744.0	516.0	582.0	585.0	804.0	1026.0	1050.0	1065.0	1098.0
67.5°	501.0	396.0	567.0	468.0	534.0	537.0	717.0	897.0	930.0	942.0	963.0
70°	348.0	264.0	420.0	417.0	480.0	486.0	624.0	780.0	810.0	819.0	831.0
72.5°	255.0	213.0	348.0	375.0	423.0	429.0	528.0	648.0	678.0	687.0	693.0
75°	195.0	225.0	282.0	327.0	360.0	363.0	432.0	528.0	549.0	555.0	558.0
77.5°	156.0	210.0	207.0	264.0	294.0	288.0	339.0	408.0	426.0	426.0	426.0
80°	117.0	165.0	156.0	189.0	216.0	210.0	243.0	291.0	297.0	303.0	300.0
82.5°	87.0	105.0	105.0	120.0	144.0	138.0	162.0	189.0	189.0	189.0	195.0
85°	54.0	60.0	48.0	63.0	81.0	78.0	90.0	102.0	105.0	105.0	99.0
87.5°	33.0	27.0	15.0	24.0	36.0	36.0	42.0	45.0	42.0	42.0	42.0
90°	48.7	33.7	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8
92.5°	329.3	202.0	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9
95°	645.3	412.4	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9
97.5°	721.4	516.0	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0
100°	784.2	597.9	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0
102.5°	845.3	671.5	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9
105°	938.1	790.9	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6
107.5°	1067.8	930.6	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9
110°	1142.2	1018.3	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4



TEST NUMBER: P935913

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1229.8	1111.7	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0
115°	1361.2	1252.2	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2
117.5°	1489.0	1390.0	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3
120°	1563.4	1470.3	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7
122.5°	1649.3	1555.3	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6
125°	1761.8	1676.1	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3
127.5°	1868.2	1781.7	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9
130°	1937.6	1844.5	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2
132.5°	1995.6	1902.5	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1
135°	2065.1	1980.2	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4
137.5°	2151.4	2067.4	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4
140°	2211.1	2133.7	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0
142.5°	2255.5	2184.0	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6
145°	2323.3	2261.0	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3
147.5°	2406.0	2345.3	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5
150°	2450.6	2395.7	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9
152.5°	2481.9	2440.4	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2
155°	2546.4	2515.7	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1
157.5°	2608.3	2578.4	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1
160°	2638.1	2614.8	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1
162.5°	2669.4	2652.0	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5
165°	2712.9	2697.1	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7
167.5°	2739.3	2731.9	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5
170°	2767.4	2759.9	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5
172.5°	2770.7	2769.0	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6
175°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8
177.5°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935913

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3060.1	3051.1	3063.1	3030.1	3063.1	3051.1	3060.1	3081.1	3063.1	3075.1	3087.1
5°	2685.1	2670.1	2622.0	2583.0	2622.0	2670.1	2685.1	2748.1	2778.1	2832.1	2904.1
7.5°	2400.0	2388.0	2376.0	2352.0	2376.0	2388.0	2400.0	2418.0	2448.0	2496.0	2550.0
10°	2337.0	2340.0	2358.0	2355.0	2358.0	2340.0	2337.0	2331.0	2322.0	2331.0	2364.0
12.5°	2499.0	2526.0	2625.0	2619.0	2625.0	2526.0	2499.0	2379.0	2298.0	2283.0	2289.0
15°	2685.1	2694.1	2715.1	2718.1	2715.1	2694.1	2685.1	2637.0	2394.0	2289.0	2256.0
17.5°	2703.1	2706.1	2721.1	2721.1	2721.1	2706.1	2703.1	2682.1	2601.0	2460.0	2274.0
20°	2688.1	2694.1	2724.1	2730.1	2724.1	2694.1	2688.1	2661.1	2616.0	2565.0	2424.0
22.5°	2682.1	2694.1	2718.1	2715.1	2718.1	2694.1	2682.1	2640.0	2601.0	2565.0	2508.0
25°	2652.1	2652.1	2655.1	2658.1	2655.1	2652.1	2652.1	2619.0	2541.0	2532.0	2499.0
27.5°	2589.0	2595.0	2613.0	2610.0	2613.0	2595.0	2589.0	2577.0	2493.0	2484.0	2460.0
30°	2532.0	2526.0	2511.0	2499.0	2511.0	2526.0	2532.0	2514.0	2430.0	2406.0	2412.0
32.5°	2436.0	2421.0	2406.0	2397.0	2406.0	2421.0	2436.0	2430.0	2367.0	2334.0	2340.0
35°	2322.0	2325.0	2322.0	2313.0	2322.0	2325.0	2322.0	2328.0	2289.0	2259.0	2256.0
37.5°	2241.0	2247.0	2244.0	2232.0	2244.0	2247.0	2241.0	2235.0	2181.0	2172.0	2178.0
40°	2157.0	2160.0	2157.0	2148.0	2157.0	2160.0	2157.0	2145.0	2070.0	2073.0	2094.0
42.5°	2076.0	2073.0	2064.0	2058.0	2064.0	2073.0	2076.0	2058.0	1962.0	1953.0	1992.0
45°	1983.0	1986.0	1968.0	1959.0	1968.0	1986.0	1983.0	1971.0	1872.0	1848.0	1875.0
47.5°	1890.0	1890.0	1875.0	1866.0	1875.0	1890.0	1890.0	1875.0	1770.0	1746.0	1761.0
50°	1791.0	1788.0	1767.0	1764.0	1767.0	1788.0	1791.0	1782.0	1671.0	1650.0	1650.0
52.5°	1677.0	1677.0	1680.0	1686.0	1680.0	1677.0	1677.0	1680.0	1581.0	1560.0	1554.0
55°	1578.0	1581.0	1602.0	1608.0	1602.0	1581.0	1578.0	1578.0	1488.0	1467.0	1455.0
57.5°	1476.0	1476.0	1491.0	1491.0	1491.0	1476.0	1476.0	1470.0	1383.0	1365.0	1359.0
60°	1359.0	1365.0	1377.0	1374.0	1377.0	1365.0	1359.0	1353.0	1278.0	1266.0	1245.0
62.5°	1236.0	1242.0	1245.0	1239.0	1245.0	1242.0	1236.0	1218.0	1173.0	1164.0	1137.0
65°	1107.0	1113.0	1116.0	1110.0	1116.0	1113.0	1107.0	1098.0	1065.0	1050.0	1026.0
67.5°	975.0	972.0	969.0	981.0	969.0	972.0	975.0	963.0	942.0	930.0	897.0
70°	840.0	840.0	837.0	843.0	837.0	840.0	840.0	831.0	819.0	810.0	780.0
72.5°	696.0	693.0	705.0	696.0	705.0	693.0	696.0	693.0	687.0	678.0	648.0
75°	555.0	561.0	555.0	564.0	555.0	561.0	555.0	558.0	555.0	549.0	528.0
77.5°	423.0	429.0	423.0	423.0	423.0	429.0	423.0	426.0	426.0	426.0	408.0
80°	300.0	297.0	297.0	294.0	297.0	297.0	300.0	300.0	303.0	297.0	291.0
82.5°	192.0	189.0	189.0	195.0	189.0	189.0	192.0	195.0	189.0	189.0	189.0
85°	105.0	108.0	102.0	102.0	102.0	108.0	105.0	99.0	105.0	105.0	102.0
87.5°	39.0	36.0	36.0	36.0	36.0	36.0	39.0	42.0	42.0	42.0	45.0
90°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2
92.5°	355.5	341.4	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1
95°	1206.9	1164.1	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0
97.5°	2786.1	2704.6	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1
100°	3912.5	3815.4	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9
102.5°	4874.3	4791.1	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4
105°	5996.9	5952.2	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8
107.5°	6580.7	6591.5	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4
110°	6730.4	6777.0	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6635.0	6706.5	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4
115°	6311.3	6410.5	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5
117.5°	5864.1	5974.1	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1
120°	5562.8	5669.7	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7
122.5°	5261.6	5367.0	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4
125°	4863.0	4960.1	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6
127.5°	4543.1	4625.0	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7
130°	4341.0	4416.7	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8
132.5°	4168.9	4236.7	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5
135°	3925.6	3984.0	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1
137.5°	3746.0	3793.8	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2
140°	3601.9	3646.6	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9
142.5°	3500.9	3539.4	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5
145°	3349.3	3378.4	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5
147.5°	3222.1	3246.2	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8
150°	3149.1	3168.6	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4
152.5°	3091.1	3105.9	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6
155°	3021.9	3031.7	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3
157.5°	2962.0	2968.9	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0
160°	2932.0	2936.0	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3
162.5°	2904.0	2907.7	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9
165°	2860.9	2864.9	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5
167.5°	2842.2	2843.9	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7
172.5°	2827.3	2825.8	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9
177.5°	2802.9	2801.2	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935913

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3132.1	3147.1	3156.1	3168.1	3198.1
5°	3012.1	3069.1	3087.1	3132.1	3186.1
7.5°	2748.1	2922.1	2970.1	3078.1	3162.1
10°	2493.0	2667.1	2751.1	3006.1	3132.1
12.5°	2364.0	2466.0	2523.0	2880.1	3090.1
15°	2283.0	2355.0	2397.0	2712.1	3042.1
17.5°	2220.0	2271.0	2301.0	2547.0	2976.1
20°	2181.0	2205.0	2232.0	2427.0	2901.1
22.5°	2154.0	2139.0	2160.0	2343.0	2799.1
25°	2136.0	2079.0	2103.0	2277.0	2679.1
27.5°	2151.0	2025.0	2034.0	2217.0	2553.0
30°	2154.0	1959.0	1962.0	2154.0	2412.0
32.5°	2133.0	1890.0	1893.0	2076.0	2253.0
35°	2082.0	1809.0	1806.0	1986.0	2037.0
37.5°	2013.0	1722.0	1722.0	1887.0	1800.0
40°	1929.0	1635.0	1644.0	1758.0	1590.0
42.5°	1827.0	1542.0	1554.0	1587.0	1434.0
45°	1716.0	1452.0	1461.0	1341.0	1314.0
47.5°	1593.0	1359.0	1362.0	1113.0	1275.0
50°	1446.0	1263.0	1251.0	954.0	1272.0
52.5°	1317.0	1158.0	1122.0	864.0	1155.0
55°	1191.0	1047.0	969.0	795.0	1071.0
57.5°	1080.0	903.0	828.0	714.0	1053.0
60°	978.0	762.0	705.0	627.0	966.0
62.5°	894.0	657.0	645.0	567.0	876.0
65°	804.0	585.0	582.0	516.0	744.0
67.5°	717.0	537.0	534.0	468.0	567.0
70°	624.0	486.0	480.0	417.0	420.0
72.5°	528.0	429.0	423.0	375.0	348.0
75°	432.0	363.0	360.0	327.0	282.0
77.5°	339.0	288.0	294.0	264.0	207.0
80°	243.0	210.0	216.0	189.0	156.0
82.5°	162.0	138.0	144.0	120.0	105.0
85°	90.0	78.0	81.0	63.0	48.0
87.5°	42.0	36.0	36.0	24.0	15.0
90°	82.3	52.4	48.7	33.7	18.7
92.5°	507.7	361.1	329.3	202.0	74.8
95°	1249.3	703.5	645.3	412.4	179.6
97.5°	1682.8	772.8	721.4	516.0	310.6
100°	1840.6	830.8	784.2	597.9	411.6
102.5°	1912.9	888.8	845.3	671.5	497.7
105°	1966.6	974.9	938.1	790.9	643.7
107.5°	1976.5	1102.1	1067.8	930.6	793.4
110°	1961.6	1173.2	1142.2	1018.3	894.4



TEST NUMBER: P935913

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1962.2	1259.3	1229.8	1111.7	993.6
115°	1980.3	1388.4	1361.2	1252.2	1143.3
117.5°	2017.0	1513.7	1489.0	1390.0	1291.1
120°	2047.0	1586.7	1563.4	1470.3	1377.1
122.5°	2090.1	1672.8	1649.3	1555.3	1461.3
125°	2148.1	1783.2	1761.8	1676.1	1590.5
127.5°	2206.0	1889.8	1868.2	1781.7	1695.2
130°	2248.4	1960.9	1937.6	1844.5	1751.4
132.5°	2282.7	2018.9	1995.6	1902.5	1809.4
135°	2320.2	2086.3	2065.1	1980.2	1895.4
137.5°	2376.3	2172.4	2151.4	2067.4	1983.4
140°	2410.6	2230.4	2211.1	2133.7	2056.4
142.5°	2439.3	2273.4	2255.5	2184.0	2112.5
145°	2476.7	2338.9	2323.3	2261.0	2198.6
147.5°	2531.6	2421.2	2406.0	2345.3	2284.6
150°	2560.3	2464.3	2450.6	2395.7	2340.8
152.5°	2579.0	2492.3	2481.9	2440.4	2398.8
155°	2620.2	2554.1	2546.4	2515.7	2484.9
157.5°	2661.3	2615.8	2608.3	2578.4	2548.5
160°	2680.1	2643.9	2638.1	2614.8	2591.5
162.5°	2700.0	2673.8	2669.4	2652.0	2634.5
165°	2728.7	2716.9	2712.9	2697.1	2681.3
167.5°	2751.2	2741.2	2739.3	2731.9	2724.4
170°	2769.9	2769.3	2767.4	2759.9	2752.4
172.5°	2771.1	2771.1	2770.7	2769.0	2767.4
175°	2782.4	2788.0	2788.0	2788.0	2788.0
177.5°	2783.6	2788.0	2788.0	2788.0	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935913  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.71	11.42	11.81	12.52	14.03	13.56	14.27	14.66	15.37	16.89
	3H	11.17	11.81	12.28	12.92	14.45	14.90	15.54	16.01	16.64	18.18
	4H	11.35	11.96	12.48	13.07	14.61	15.34	15.95	16.46	17.05	18.59
	6H	11.47	12.02	12.60	13.14	14.69	15.62	16.18	16.75	17.29	18.84
	8H	11.46	11.99	12.60	13.12	14.66	15.69	16.23	16.83	17.35	18.90
	12H	11.43	11.93	12.57	13.05	14.62	15.73	16.24	16.87	17.36	18.92
4H	2H	11.72	12.33	12.85	13.44	14.98	13.95	14.55	15.07	15.66	17.20
	3H	12.74	13.24	13.87	14.38	15.93	15.44	15.95	16.58	17.09	18.64
	4H	13.01	13.47	14.15	14.60	16.17	15.97	16.44	17.11	17.56	19.13
	6H	13.12	13.52	14.27	14.67	16.23	16.33	16.73	17.48	17.88	19.44
	8H	13.13	13.50	14.27	14.64	16.21	16.44	16.81	17.58	17.95	19.53
	12H	13.09	13.42	14.25	14.57	16.16	16.49	16.83	17.65	17.98	19.56
8H	4H	13.45	13.82	14.60	14.96	16.54	16.08	16.45	17.23	17.59	19.17
	6H	13.71	14.01	14.87	15.20	16.77	16.52	16.83	17.68	18.01	19.58
	8H	13.75	14.02	14.92	15.18	16.77	16.67	16.94	17.84	18.10	19.70
	12H	13.73	13.96	14.90	15.12	16.75	16.77	17.00	17.94	18.16	19.79
12H	4H	13.45	13.79	14.61	14.94	16.52	16.04	16.38	17.20	17.53	19.11
	6H	13.77	14.04	14.94	15.20	16.79	16.51	16.78	17.68	17.94	19.54
	8H	13.83	14.06	15.00	15.22	16.85	16.67	16.91	17.85	18.06	19.69