

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: P934524

Luminaire Tested: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

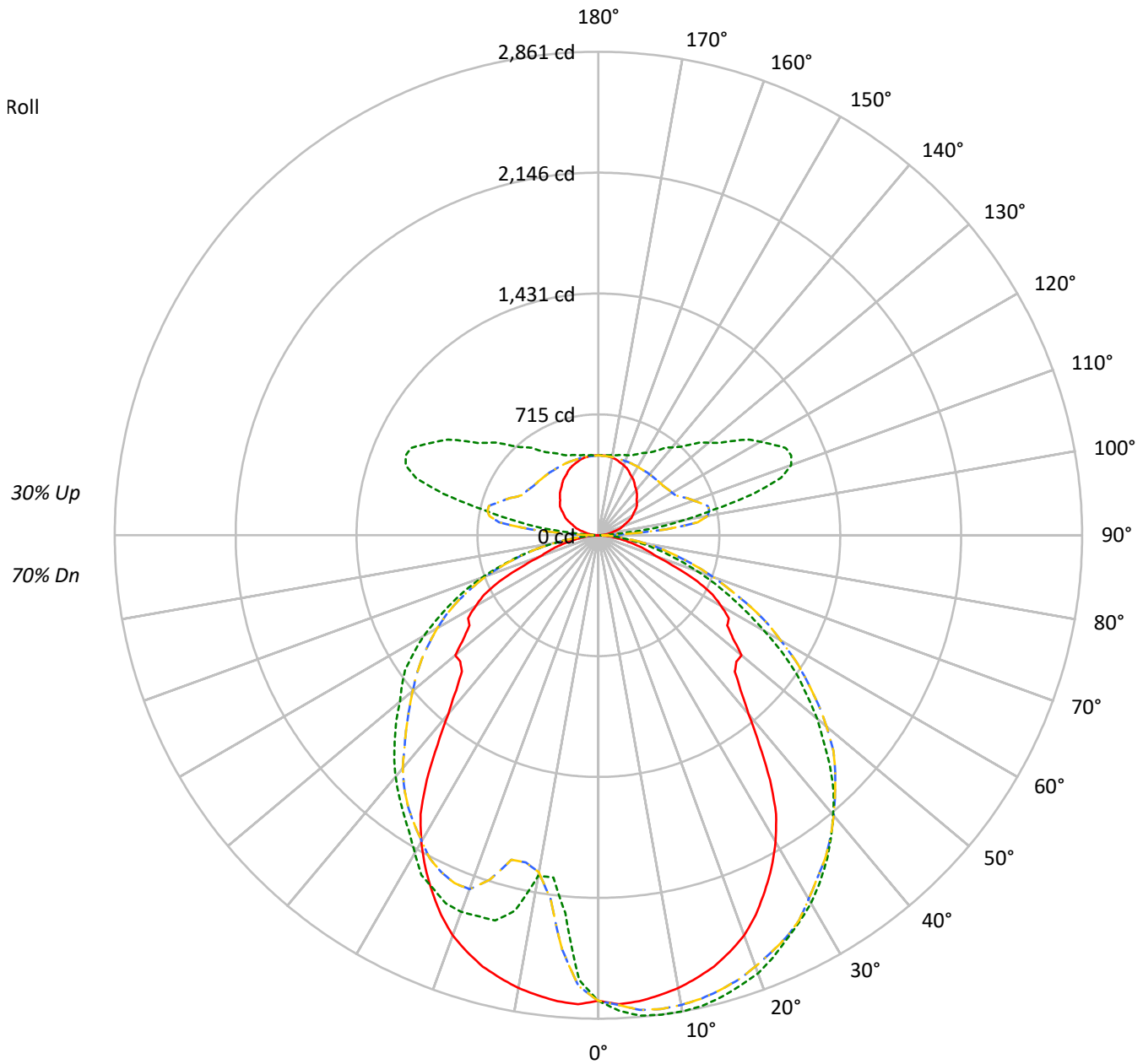
Test Method: LM-79-2019  
Report Number: P934524  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10209.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 112  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12779	12779	12779	12779
5°	12875	12901	12875	10144
10°	12789	12707	12789	9085
15°	12650	12432	12650	10381
20°	12385	12106	12385	10403
25°	11844	11630	11844	10182
30°	11144	11235	11144	9698
35°	9935	10736	9935	9167
40°	8278	10148	8278	8764
45°	7397	9459	7397	8302
50°	7858	8638	7858	7839
55°	7393	7754	7393	7570
60°	7621	6586	7621	6934
65°	6910	5444	6910	6085
70°	4784	4338	4784	5101
75°	4194	3207	4194	3840
80°	3381	2120	3381	2309
85°	1942	1124	1942	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11336 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	2.4
10°-20°	705.9	6.9
20°-30°	1091.3	10.7
30°-40°	1302.7	12.8
40°-50°	1310.4	12.8
50°-60°	1140.2	11.2
60°-70°	808.4	7.9
70°-80°	427.7	4.2
80°-90°	108.3	1.1
90°-100°	230.5	2.3
100°-110°	606.1	5.9
110°-120°	628.5	6.2
120°-130°	504.1	4.9
130°-140°	395.5	3.9
140°-150°	303.6	3.0
150°-160°	218.6	2.1
160°-170°	133.8	1.3
170°-180°	45.2	0.4
0°-30°	2045.8	20.0
0°-40°	3348.6	32.8
0°-60°	5799.1	56.8
0°-90°	7143.6	70.0
90°-120°	1465.1	14.4
90°-150°	2668.3	26.1
90°-180°	3066.0	30.0
0°-180°	10209.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2768	2854	2768	2244	2768	263
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2309	2327	1068
35°	1769	2353	1769	2009	1769	1095
45°	1141	1939	1141	1702	1141	914
55°	930	1431	930	1397	930	855
65°	646	863	646	964	646	618
75°	245	409	245	490	245	258
85°	42	104	42	89	42	56
90°	3	12	3	12	3	4
95°	30	139	30	139	30	34
105°	109	949	109	949	109	116
115°	194	1222	194	1222	194	192
125°	270	973	270	973	270	240
135°	322	755	322	755	322	249
145°	373	613	373	613	373	234
155°	422	528	422	528	422	194
165°	455	491	455	491	455	128
175°	473	476	473	476	473	45
180°	473	473	473	473	473	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2777.9	2777.9	2793.5	2798.7	2798.7	2790.9	2783.1	2790.9	2814.4	2822.2	2819.6
5°	2767.5	2788.3	2817.0	2822.2	2827.4	2824.8	2819.6	2824.8	2850.8	2856.1	2858.7
7.5°	2746.6	2785.7	2822.2	2830.0	2837.8	2830.0	2827.4	2832.6	2858.7	2863.9	2863.9
10°	2720.6	2775.3	2817.0	2822.2	2830.0	2822.2	2822.2	2832.6	2858.7	2863.9	2866.5
12.5°	2684.1	2759.6	2798.7	2804.0	2814.4	2811.7	2809.2	2819.6	2845.6	2850.8	2850.8
15°	2642.4	2731.0	2767.5	2772.7	2790.9	2785.7	2785.7	2796.1	2824.8	2832.6	2830.0
17.5°	2585.0	2694.5	2736.2	2744.0	2757.1	2754.4	2757.1	2767.5	2793.5	2798.7	2801.3
20°	2519.9	2645.0	2694.5	2702.3	2715.3	2715.3	2715.3	2728.3	2754.4	2764.8	2764.8
22.5°	2431.3	2592.9	2645.0	2650.2	2665.8	2665.8	2671.1	2689.3	2712.7	2715.3	2715.3
25°	2327.1	2535.5	2579.8	2595.4	2611.1	2618.9	2626.8	2637.2	2645.0	2642.4	2645.0
27.5°	2217.6	2462.5	2519.9	2530.3	2551.2	2559.0	2569.4	2572.0	2574.6	2582.4	2577.2
30°	2095.2	2361.0	2446.9	2457.4	2491.3	2496.4	2486.0	2491.3	2504.3	2509.5	2514.7
32.5°	1957.0	2209.8	2371.4	2394.9	2426.1	2410.5	2407.9	2415.6	2436.5	2436.5	2441.7
35°	1769.4	2092.6	2301.0	2321.9	2345.3	2327.1	2337.5	2340.1	2353.1	2361.0	2358.4
37.5°	1563.6	1990.9	2228.1	2243.7	2262.0	2238.5	2254.1	2262.0	2272.3	2267.1	2267.1
40°	1381.1	1831.9	2142.1	2152.5	2168.1	2149.8	2165.5	2170.7	2175.9	2170.7	2168.1
42.5°	1245.6	1657.3	2050.8	2063.8	2053.4	2066.4	2071.7	2082.1	2074.3	2063.8	2063.8
45°	1141.4	1610.5	1951.8	1967.4	1951.8	1972.7	1980.5	1980.5	1957.0	1951.8	1949.2
47.5°	1107.5	1516.6	1852.8	1852.8	1845.0	1871.0	1884.0	1865.8	1842.4	1834.5	1834.5
50°	1104.9	1412.4	1717.3	1706.9	1743.4	1774.6	1761.6	1743.4	1725.1	1696.5	1696.5
52.5°	1003.2	1284.7	1542.7	1581.8	1639.1	1657.3	1636.5	1618.2	1587.0	1574.0	1563.6
55°	930.3	1151.8	1383.8	1461.9	1521.8	1545.3	1506.2	1487.9	1441.1	1433.3	1428.0
57.5°	914.7	959.0	1237.8	1336.8	1409.8	1407.2	1383.8	1349.9	1310.8	1302.9	1300.4
60°	839.1	693.2	1081.5	1198.7	1274.3	1266.5	1245.6	1214.4	1177.9	1172.6	1167.5
62.5°	760.9	503.0	904.2	1037.1	1144.0	1141.4	1123.1	1076.2	1050.2	1037.1	1026.7
65°	646.3	422.2	643.6	862.6	1016.3	1021.5	982.4	948.6	919.8	904.2	901.7
67.5°	492.5	344.0	435.2	719.3	893.8	888.6	839.1	823.4	787.0	779.2	763.5
70°	364.8	229.3	302.3	583.7	773.9	760.9	721.8	703.6	669.7	651.5	641.0
72.5°	302.3	185.0	221.5	453.5	651.5	635.9	602.0	581.1	552.5	536.8	526.4
75°	244.9	195.4	169.4	336.2	529.0	518.6	487.3	466.5	443.0	422.2	424.7
77.5°	179.8	182.4	135.5	247.6	419.6	403.9	385.7	359.6	349.2	328.3	328.3
80°	135.5	143.3	101.6	169.4	302.3	302.3	286.7	268.4	250.2	239.8	239.8
82.5°	91.2	91.2	75.5	106.9	205.9	198.0	187.6	182.4	172.0	166.8	166.8
85°	41.7	52.1	46.9	65.1	112.0	117.3	117.3	112.0	109.4	104.3	106.9
87.5°	13.0	23.5	28.6	36.5	57.4	59.9	62.5	62.5	62.5	65.1	65.1
90°	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1	12.1	12.1
92.5°	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5	60.3	57.9
95°	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9	204.7	197.5
97.5°	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1	472.6	458.8
100°	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7	663.7	647.2
102.5°	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2	826.8	812.7
105°	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6	1017.3	1009.7
107.5°	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9	1116.3	1118.2
110°	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2	1141.7	1149.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8	1125.5	1137.7
115°	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7	1070.6	1087.4
117.5°	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1	994.8	1013.4
120°	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9	943.6	961.7
122.5°	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5	892.6	910.4
125°	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7	825.0	841.5
127.5°	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3	770.7	784.6
130°	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6	736.4	749.2
132.5°	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4	707.2	718.6
135°	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6	665.9	675.8
137.5°	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1	635.5	643.6
140°	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0	611.0	618.5
142.5°	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6	593.9	600.4
145°	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5	568.2	573.1
147.5°	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0	546.5	550.6
150°	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8	534.2	537.5
152.5°	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2	524.4	526.9
155°	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3	512.6	514.3
157.5°	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6	502.4	503.6
160°	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2	497.3	498.0
162.5°	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1	492.6	493.3
165°	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2	485.3	486.0
167.5°	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2	482.2	482.5
170°	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2	482.2	482.2
172.5°	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5	479.6	479.4
175°	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1	476.1	476.1
177.5°	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9	475.5	475.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2824.8	2817.0	2824.8	2819.6	2822.2	2814.4	2790.9	2783.1	2790.9	2798.7	2798.7
5°	2858.7	2853.5	2858.7	2858.7	2856.1	2850.8	2824.8	2819.6	2824.8	2827.4	2822.2
7.5°	2869.1	2861.2	2869.1	2863.9	2863.9	2858.7	2832.6	2827.4	2830.0	2837.8	2830.0
10°	2869.1	2861.2	2869.1	2866.5	2863.9	2858.7	2832.6	2822.2	2822.2	2830.0	2822.2
12.5°	2856.1	2850.8	2856.1	2850.8	2850.8	2845.6	2819.6	2809.2	2811.7	2814.4	2804.0
15°	2835.2	2827.4	2835.2	2830.0	2832.6	2824.8	2796.1	2785.7	2785.7	2790.9	2772.7
17.5°	2804.0	2793.5	2804.0	2801.3	2798.7	2793.5	2767.5	2757.1	2754.4	2757.1	2744.0
20°	2767.5	2759.6	2767.5	2764.8	2764.8	2754.4	2728.3	2715.3	2715.3	2715.3	2702.3
22.5°	2710.1	2702.3	2710.1	2715.3	2715.3	2712.7	2689.3	2671.1	2665.8	2665.8	2650.2
25°	2645.0	2637.2	2645.0	2645.0	2642.4	2645.0	2637.2	2626.8	2618.9	2611.1	2595.4
27.5°	2582.4	2577.2	2582.4	2577.2	2582.4	2574.6	2572.0	2569.4	2559.0	2551.2	2530.3
30°	2519.9	2514.7	2519.9	2514.7	2509.5	2504.3	2491.3	2486.0	2496.4	2491.3	2457.4
32.5°	2441.7	2436.5	2441.7	2441.7	2436.5	2436.5	2415.6	2407.9	2410.5	2426.1	2394.9
35°	2361.0	2353.1	2361.0	2358.4	2361.0	2353.1	2340.1	2337.5	2327.1	2345.3	2321.9
37.5°	2267.1	2259.3	2267.1	2267.1	2267.1	2272.3	2262.0	2254.1	2238.5	2262.0	2243.7
40°	2170.7	2160.3	2170.7	2168.1	2170.7	2175.9	2170.7	2165.5	2149.8	2168.1	2152.5
42.5°	2061.3	2058.7	2061.3	2063.8	2063.8	2074.3	2082.1	2071.7	2066.4	2053.4	2063.8
45°	1944.0	1938.8	1944.0	1949.2	1951.8	1957.0	1980.5	1980.5	1972.7	1951.8	1967.4
47.5°	1818.9	1805.9	1818.9	1834.5	1834.5	1842.4	1865.8	1884.0	1871.0	1845.0	1852.8
50°	1686.0	1688.6	1686.0	1696.5	1696.5	1725.1	1743.4	1761.6	1774.6	1743.4	1706.9
52.5°	1555.7	1553.1	1555.7	1563.6	1574.0	1587.0	1618.2	1636.5	1657.3	1639.1	1581.8
55°	1425.4	1430.7	1425.4	1428.0	1433.3	1441.1	1487.9	1506.2	1545.3	1521.8	1461.9
57.5°	1295.1	1287.3	1295.1	1300.4	1302.9	1310.8	1349.9	1383.8	1407.2	1409.8	1336.8
60°	1144.0	1133.6	1144.0	1167.5	1172.6	1177.9	1214.4	1245.6	1266.5	1274.3	1198.7
62.5°	1011.1	992.8	1011.1	1026.7	1037.1	1050.2	1076.2	1123.1	1141.4	1144.0	1037.1
65°	870.3	862.6	870.3	901.7	904.2	919.8	948.6	982.4	1021.5	1016.3	862.6
67.5°	742.7	742.7	742.7	763.5	779.2	787.0	823.4	839.1	888.6	893.8	719.3
70°	625.4	622.8	625.4	641.0	651.5	669.7	703.6	721.8	760.9	773.9	583.7
72.5°	513.4	510.7	513.4	526.4	536.8	552.5	581.1	602.0	635.9	651.5	453.5
75°	414.3	409.1	414.3	424.7	422.2	443.0	466.5	487.3	518.6	529.0	336.2
77.5°	317.9	317.9	317.9	328.3	328.3	349.2	359.6	385.7	403.9	419.6	247.6
80°	237.2	234.5	237.2	239.8	239.8	250.2	268.4	286.7	302.3	302.3	169.4
82.5°	166.8	161.5	166.8	166.8	166.8	172.0	182.4	187.6	198.0	205.9	106.9
85°	104.3	104.3	104.3	106.9	104.3	109.4	112.0	117.3	117.3	112.0	65.1
87.5°	67.8	65.1	67.8	65.1	65.1	62.5	62.5	62.5	59.9	57.4	36.5
90°	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7	13.9	8.9
92.5°	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3	86.2	61.3
95°	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3	211.9	119.4
97.5°	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3	285.4	131.1
100°	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6	312.2	140.9
102.5°	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2	324.5	150.8
105°	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9	333.6	165.4
107.5°	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1	335.3	187.0
110°	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0	332.8	199.0





TEST NUMBER: P934524

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9	332.9	213.6
115°	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9	336.0	235.5
117.5°	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0	342.2	256.8
120°	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4	347.3	269.2
122.5°	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9	354.5	283.7
125°	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9	364.4	302.5
127.5°	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8	374.2	320.6
130°	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4	381.4	332.6
132.5°	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9	387.2	342.5
135°	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4	393.5	353.9
137.5°	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2	403.1	368.5
140°	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7	408.9	378.4
142.5°	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3	413.8	385.6
145°	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4	420.2	396.8
147.5°	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5	429.4	410.7
150°	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1	434.4	418.0
152.5°	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1	437.5	422.8
155°	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5	444.5	433.3
157.5°	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8	451.5	443.8
160°	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8	454.7	448.5
162.5°	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0	458.1	453.6
165°	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5	462.8	460.8
167.5°	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9	466.7	465.0
170°	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0	469.9	469.8
172.5°	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7	472.0	472.9
177.5°	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2	472.2	472.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934524

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2793.5	2777.9	2777.9	2751.8	2741.4	2733.6	2720.6	2681.4	2671.1	2660.6	2676.3
5°	2817.0	2788.3	2767.5	2720.6	2681.4	2665.8	2616.3	2522.5	2460.0	2413.0	2387.0
7.5°	2822.2	2785.7	2746.6	2673.7	2579.8	2538.2	2387.0	2215.0	2168.1	2126.4	2100.3
10°	2817.0	2775.3	2720.6	2611.1	2389.6	2316.6	2165.5	2053.4	2024.8	2016.9	2024.8
12.5°	2798.7	2759.6	2684.1	2501.7	2191.6	2142.1	2053.4	1988.3	1983.1	1996.1	2066.4
15°	2767.5	2731.0	2642.4	2355.7	2082.1	2045.7	1983.1	1959.6	1988.3	2079.5	2290.6
17.5°	2736.2	2694.5	2585.0	2212.4	1998.7	1972.7	1928.4	1975.3	2136.8	2259.3	2329.6
20°	2694.5	2645.0	2519.9	2108.2	1938.8	1915.3	1894.5	2105.6	2228.1	2272.3	2311.5
22.5°	2645.0	2592.9	2431.3	2035.2	1876.3	1858.0	1871.0	2178.6	2228.1	2259.3	2293.2
25°	2579.8	2535.5	2327.1	1977.9	1826.7	1805.9	1855.4	2170.7	2199.4	2207.2	2275.0
27.5°	2519.9	2462.5	2217.6	1925.8	1766.8	1759.0	1868.4	2136.8	2157.7	2165.5	2238.5
30°	2446.9	2361.0	2095.2	1871.0	1704.2	1701.6	1871.0	2095.2	2089.9	2110.8	2183.7
32.5°	2371.4	2209.8	1957.0	1803.3	1644.3	1641.7	1852.8	2032.6	2027.4	2056.1	2110.8
35°	2301.0	2092.6	1769.4	1725.1	1568.7	1571.3	1808.5	1959.6	1962.3	1988.3	2022.2
37.5°	2228.1	1990.9	1563.6	1639.1	1495.8	1495.8	1748.5	1891.9	1886.7	1894.5	1941.4
40°	2142.1	1831.9	1381.1	1527.1	1428.0	1420.2	1675.6	1818.9	1800.6	1798.1	1863.2
42.5°	2050.8	1657.3	1245.6	1378.5	1349.9	1339.4	1587.0	1730.3	1696.5	1704.2	1787.6
45°	1951.8	1610.5	1141.4	1164.9	1269.0	1261.3	1490.6	1628.7	1605.2	1626.1	1712.1
47.5°	1852.8	1516.6	1107.5	966.8	1183.1	1180.5	1383.8	1529.7	1516.6	1537.5	1628.7
50°	1717.3	1412.4	1104.9	828.7	1086.6	1097.1	1256.0	1433.3	1433.3	1451.4	1547.9
52.5°	1542.7	1284.7	1003.2	750.5	974.6	1005.9	1144.0	1349.9	1355.0	1373.3	1459.3
55°	1383.8	1151.8	930.3	690.5	841.7	909.4	1034.6	1263.9	1274.3	1292.5	1370.7
57.5°	1237.8	959.0	914.7	620.2	719.3	784.4	938.1	1180.5	1185.6	1201.4	1276.9
60°	1081.5	693.2	839.1	544.6	612.4	661.9	849.5	1081.5	1099.7	1110.1	1175.3
62.5°	904.2	503.0	760.9	492.5	560.3	570.7	776.5	987.6	1011.1	1018.9	1058.0
65°	643.6	422.2	646.3	448.2	505.5	508.1	698.4	891.2	912.1	925.1	953.7
67.5°	435.2	344.0	492.5	406.5	463.8	466.5	622.8	779.2	807.8	818.3	836.5
70°	302.3	229.3	364.8	362.2	417.0	422.2	542.0	677.5	703.6	711.4	721.8
72.5°	221.5	185.0	302.3	325.7	367.4	372.7	458.6	562.9	588.9	596.8	602.0
75°	169.4	195.4	244.9	284.1	312.7	315.3	375.2	458.6	476.9	482.1	484.7
77.5°	135.5	182.4	179.8	229.3	255.4	250.2	294.4	354.4	370.1	370.1	370.1
80°	101.6	143.3	135.5	164.2	187.6	182.4	211.1	252.8	258.0	263.2	260.6
82.5°	75.5	91.2	91.2	104.3	125.0	119.9	140.8	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.4	67.8	78.2	88.6	91.2	91.2	86.0
87.5°	28.6	23.5	13.0	20.9	31.3	31.3	36.5	39.1	36.5	36.5	36.5
90°	8.2	5.7	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1
92.5°	55.9	34.3	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5
95°	109.5	70.0	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9
97.5°	122.4	87.5	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1
100°	133.0	101.4	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7
102.5°	143.4	114.0	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2
105°	159.2	134.1	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6
107.5°	181.1	157.8	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9
110°	193.8	172.7	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2



TEST NUMBER: P934524

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	208.6	188.6	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8
115°	230.9	212.4	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7
117.5°	252.6	235.8	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1
120°	265.3	249.4	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9
122.5°	279.7	263.8	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5
125°	298.8	284.3	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7
127.5°	316.9	302.2	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3
130°	328.7	312.9	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6
132.5°	338.6	322.7	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4
135°	350.3	336.0	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6
137.5°	365.0	350.7	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1
140°	375.1	362.0	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0
142.5°	382.6	370.4	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6
145°	394.2	383.5	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5
147.5°	408.2	397.9	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0
150°	415.7	406.4	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8
152.5°	421.0	414.0	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2
155°	432.0	426.7	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3
157.5°	442.4	437.4	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6
160°	447.5	443.6	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2
162.5°	452.8	449.9	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1
165°	460.2	457.5	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2
167.5°	464.7	463.4	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2
170°	469.5	468.2	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2
172.5°	470.0	469.8	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5
175°	472.9	472.9	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1
177.5°	472.9	472.9	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934524  
 CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2658.0	2650.2	2660.6	2631.9	2660.6	2650.2	2658.0	2676.3	2660.6	2671.1	2681.4
5°	2332.3	2319.2	2277.6	2243.7	2277.6	2319.2	2332.3	2387.0	2413.0	2460.0	2522.5
7.5°	2084.7	2074.3	2063.8	2043.0	2063.8	2074.3	2084.7	2100.3	2126.4	2168.1	2215.0
10°	2030.0	2032.6	2048.2	2045.7	2048.2	2032.6	2030.0	2024.8	2016.9	2024.8	2053.4
12.5°	2170.7	2194.2	2280.1	2275.0	2280.1	2194.2	2170.7	2066.4	1996.1	1983.1	1988.3
15°	2332.3	2340.1	2358.4	2361.0	2358.4	2340.1	2332.3	2290.6	2079.5	1988.3	1959.6
17.5°	2347.9	2350.5	2363.5	2363.5	2363.5	2350.5	2347.9	2329.6	2259.3	2136.8	1975.3
20°	2334.9	2340.1	2366.1	2371.4	2366.1	2340.1	2334.9	2311.5	2272.3	2228.1	2105.6
22.5°	2329.6	2340.1	2361.0	2358.4	2361.0	2340.1	2329.6	2293.2	2259.3	2228.1	2178.6
25°	2303.6	2303.6	2306.2	2308.8	2306.2	2303.6	2303.6	2275.0	2207.2	2199.4	2170.7
27.5°	2248.9	2254.1	2269.7	2267.1	2269.7	2254.1	2248.9	2238.5	2165.5	2157.7	2136.8
30°	2199.4	2194.2	2181.1	2170.7	2181.1	2194.2	2199.4	2183.7	2110.8	2089.9	2095.2
32.5°	2116.0	2102.9	2089.9	2082.1	2089.9	2102.9	2116.0	2110.8	2056.1	2027.4	2032.6
35°	2016.9	2019.6	2016.9	2009.2	2016.9	2019.6	2016.9	2022.2	1988.3	1962.3	1959.6
37.5°	1946.6	1951.8	1949.2	1938.8	1949.2	1951.8	1946.6	1941.4	1894.5	1886.7	1891.9
40°	1873.6	1876.3	1873.6	1865.8	1873.6	1876.3	1873.6	1863.2	1798.1	1800.6	1818.9
42.5°	1803.3	1800.6	1792.9	1787.6	1792.9	1800.6	1803.3	1787.6	1704.2	1696.5	1730.3
45°	1722.5	1725.1	1709.5	1701.6	1709.5	1725.1	1722.5	1712.1	1626.1	1605.2	1628.7
47.5°	1641.7	1641.7	1628.7	1620.9	1628.7	1641.7	1641.7	1628.7	1537.5	1516.6	1529.7
50°	1555.7	1553.1	1534.8	1532.3	1534.8	1553.1	1555.7	1547.9	1451.4	1433.3	1433.3
52.5°	1456.7	1456.7	1459.3	1464.5	1459.3	1456.7	1456.7	1459.3	1373.3	1355.0	1349.9
55°	1370.7	1373.3	1391.5	1396.8	1391.5	1373.3	1370.7	1370.7	1292.5	1274.3	1263.9
57.5°	1282.1	1282.1	1295.1	1295.1	1295.1	1282.1	1282.1	1276.9	1201.4	1185.6	1180.5
60°	1180.5	1185.6	1196.1	1193.5	1196.1	1185.6	1180.5	1175.3	1110.1	1099.7	1081.5
62.5°	1073.6	1078.8	1081.5	1076.2	1081.5	1078.8	1073.6	1058.0	1018.9	1011.1	987.6
65°	961.6	966.8	969.4	964.2	969.4	966.8	961.6	953.7	925.1	912.1	891.2
67.5°	846.9	844.3	841.7	852.2	841.7	844.3	846.9	836.5	818.3	807.8	779.2
70°	729.7	729.7	727.0	732.3	727.0	729.7	729.7	721.8	711.4	703.6	677.5
72.5°	604.6	602.0	612.4	604.6	612.4	602.0	604.6	602.0	596.8	588.9	562.9
75°	482.1	487.3	482.1	489.9	482.1	487.3	482.1	484.7	482.1	476.9	458.6
77.5°	367.4	372.7	367.4	367.4	367.4	372.7	367.4	370.1	370.1	370.1	354.4
80°	260.6	258.0	258.0	255.4	258.0	258.0	260.6	260.6	263.2	258.0	252.8
82.5°	166.8	164.2	164.2	169.4	164.2	164.2	166.8	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.6	88.6	88.6	93.8	91.2	86.0	91.2	91.2	88.6
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.1
90°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7
92.5°	60.3	57.9	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3
95°	204.7	197.5	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3
97.5°	472.6	458.8	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3
100°	663.7	647.2	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6
102.5°	826.8	812.7	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2
105°	1017.3	1009.7	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9
107.5°	1116.3	1118.2	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1
110°	1141.7	1149.6	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1125.5	1137.7	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9
115°	1070.6	1087.4	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9
117.5°	994.8	1013.4	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0
120°	943.6	961.7	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4
122.5°	892.6	910.4	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9
125°	825.0	841.5	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9
127.5°	770.7	784.6	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8
130°	736.4	749.2	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4
132.5°	707.2	718.6	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9
135°	665.9	675.8	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4
137.5°	635.5	643.6	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2
140°	611.0	618.5	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7
142.5°	593.9	600.4	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3
145°	568.2	573.1	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4
147.5°	546.5	550.6	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5
150°	534.2	537.5	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1
152.5°	524.4	526.9	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1
155°	512.6	514.3	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5
157.5°	502.4	503.6	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8
160°	497.3	498.0	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8
162.5°	492.6	493.3	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0
165°	485.3	486.0	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5
167.5°	482.2	482.5	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9
170°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0
172.5°	479.6	479.4	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7
177.5°	475.5	475.2	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2720.6	2733.6	2741.4	2751.8	2777.9
5°	2616.3	2665.8	2681.4	2720.6	2767.5
7.5°	2387.0	2538.2	2579.8	2673.7	2746.6
10°	2165.5	2316.6	2389.6	2611.1	2720.6
12.5°	2053.4	2142.1	2191.6	2501.7	2684.1
15°	1983.1	2045.7	2082.1	2355.7	2642.4
17.5°	1928.4	1972.7	1998.7	2212.4	2585.0
20°	1894.5	1915.3	1938.8	2108.2	2519.9
22.5°	1871.0	1858.0	1876.3	2035.2	2431.3
25°	1855.4	1805.9	1826.7	1977.9	2327.1
27.5°	1868.4	1759.0	1766.8	1925.8	2217.6
30°	1871.0	1701.6	1704.2	1871.0	2095.2
32.5°	1852.8	1641.7	1644.3	1803.3	1957.0
35°	1808.5	1571.3	1568.7	1725.1	1769.4
37.5°	1748.5	1495.8	1495.8	1639.1	1563.6
40°	1675.6	1420.2	1428.0	1527.1	1381.1
42.5°	1587.0	1339.4	1349.9	1378.5	1245.6
45°	1490.6	1261.3	1269.0	1164.9	1141.4
47.5°	1383.8	1180.5	1183.1	966.8	1107.5
50°	1256.0	1097.1	1086.6	828.7	1104.9
52.5°	1144.0	1005.9	974.6	750.5	1003.2
55°	1034.6	909.4	841.7	690.5	930.3
57.5°	938.1	784.4	719.3	620.2	914.7
60°	849.5	661.9	612.4	544.6	839.1
62.5°	776.5	570.7	560.3	492.5	760.9
65°	698.4	508.1	505.5	448.2	646.3
67.5°	622.8	466.5	463.8	406.5	492.5
70°	542.0	422.2	417.0	362.2	364.8
72.5°	458.6	372.7	367.4	325.7	302.3
75°	375.2	315.3	312.7	284.1	244.9
77.5°	294.4	250.2	255.4	229.3	179.8
80°	211.1	182.4	187.6	164.2	135.5
82.5°	140.8	119.9	125.0	104.3	91.2
85°	78.2	67.8	70.4	54.7	41.7
87.5°	36.5	31.3	31.3	20.9	13.0
90°	13.9	8.9	8.2	5.7	3.2
92.5°	86.2	61.3	55.9	34.3	12.7
95°	211.9	119.4	109.5	70.0	30.5
97.5°	285.4	131.1	122.4	87.5	52.7
100°	312.2	140.9	133.0	101.4	69.8
102.5°	324.5	150.8	143.4	114.0	84.5
105°	333.6	165.4	159.2	134.1	109.2
107.5°	335.3	187.0	181.1	157.8	134.6
110°	332.8	199.0	193.8	172.7	151.7



TEST NUMBER: P934524

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	332.9	213.6	208.6	188.6	168.6
115°	336.0	235.5	230.9	212.4	194.0
117.5°	342.2	256.8	252.6	235.8	219.0
120°	347.3	269.2	265.3	249.4	233.6
122.5°	354.5	283.7	279.7	263.8	247.9
125°	364.4	302.5	298.8	284.3	269.8
127.5°	374.2	320.6	316.9	302.2	287.6
130°	381.4	332.6	328.7	312.9	297.1
132.5°	387.2	342.5	338.6	322.7	306.9
135°	393.5	353.9	350.3	336.0	321.6
137.5°	403.1	368.5	365.0	350.7	336.5
140°	408.9	378.4	375.1	362.0	348.8
142.5°	413.8	385.6	382.6	370.4	358.4
145°	420.2	396.8	394.2	383.5	373.0
147.5°	429.4	410.7	408.2	397.9	387.5
150°	434.4	418.0	415.7	406.4	397.1
152.5°	437.5	422.8	421.0	414.0	406.9
155°	444.5	433.3	432.0	426.7	421.5
157.5°	451.5	443.8	442.4	437.4	432.3
160°	454.7	448.5	447.5	443.6	439.6
162.5°	458.1	453.6	452.8	449.9	446.9
165°	462.8	460.8	460.2	457.5	454.8
167.5°	466.7	465.0	464.7	463.4	462.2
170°	469.9	469.8	469.5	468.2	466.9
172.5°	470.1	470.1	470.0	469.8	469.5
175°	472.0	472.9	472.9	472.9	472.9
177.5°	472.2	472.9	472.9	472.9	472.9
180°	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934524  
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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	15.33	16.40	16.09	17.19	18.14	18.16	19.24	18.93	20.03	20.98
	3H	15.82	16.78	16.60	17.58	18.57	19.53	20.49	20.31	21.29	22.27
	4H	16.02	16.93	16.82	17.74	18.73	19.98	20.89	20.78	21.70	22.70
	6H	16.15	16.99	16.96	17.80	18.81	20.28	21.12	21.09	21.93	22.94
	8H	16.16	16.96	16.98	17.79	18.80	20.36	21.16	21.18	22.00	23.01
	12H	16.14	16.90	16.96	17.72	18.76	20.41	21.17	21.23	22.00	23.04
4H	2H	16.39	17.30	17.19	18.10	19.10	18.60	19.51	19.40	20.31	21.31
	3H	17.43	18.19	18.25	19.03	20.04	20.13	20.89	20.94	21.72	22.74
	4H	17.72	18.41	18.54	19.25	20.29	20.67	21.36	21.49	22.19	23.23
	6H	17.86	18.45	18.70	19.31	20.36	21.04	21.64	21.89	22.50	23.55
	8H	17.87	18.42	18.71	19.28	20.34	21.16	21.71	22.00	22.57	23.63
	12H	17.84	18.35	18.71	19.22	20.29	21.23	21.73	22.09	22.61	23.67
8H	4H	18.19	18.75	19.04	19.61	20.66	20.81	21.36	21.65	22.22	23.28
	6H	18.46	18.92	19.34	19.82	20.88	21.25	21.72	22.13	22.62	23.67
	8H	18.51	18.92	19.39	19.81	20.88	21.41	21.82	22.29	22.71	23.79
	12H	18.50	18.86	19.39	19.75	20.87	21.52	21.88	22.41	22.77	23.89
12H	4H	18.21	18.71	19.07	19.59	20.65	20.78	21.28	21.65	22.16	23.22
	6H	18.52	18.93	19.41	19.83	20.90	21.25	21.66	22.14	22.56	23.63
	8H	18.60	18.96	19.49	19.85	20.98	21.43	21.79	22.31	22.67	23.80