

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: P934552

Luminaire Tested: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934552
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-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

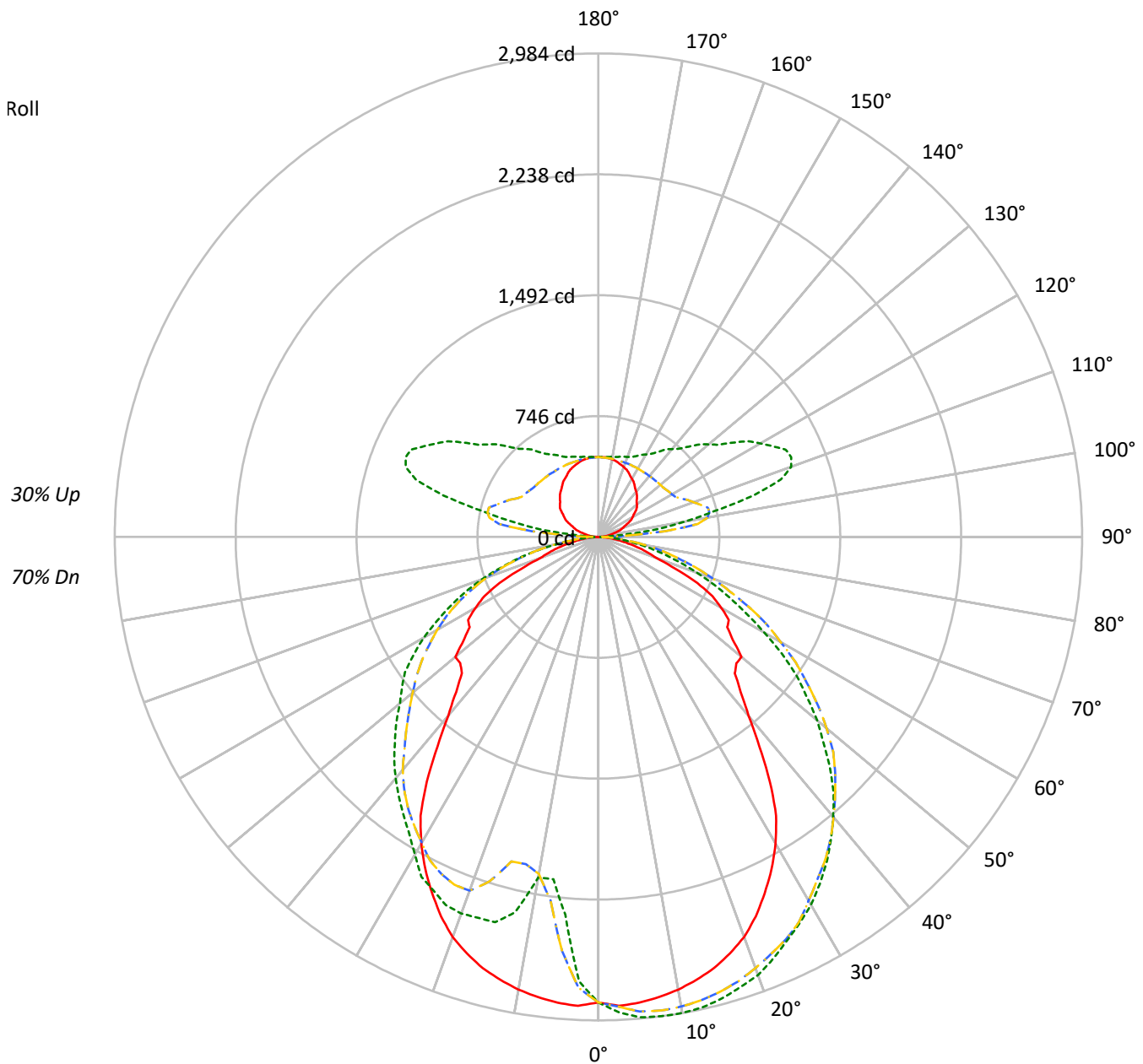
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10647.0 lumens
Efficiency: N/A
Efficacy: 95.1 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

TEST NUMBER: P934552
CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



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



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

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	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°	13327	13327	13327	13327
5°	13427	13453	13427	10579
10°	13337	13252	13337	9474
15°	13192	12965	13192	10826
20°	12916	12625	12916	10849
25°	12351	12129	12351	10619
30°	11622	11717	11622	10114
35°	10360	11196	10360	9559
40°	8633	10583	8633	9140
45°	7714	9865	7714	8658
50°	8194	9009	8194	8175
55°	7710	8086	7710	7895
60°	7947	6868	7947	7230
65°	7206	5677	7206	6346
70°	4990	4524	4990	5320
75°	4374	3344	4374	4005
80°	3525	2211	3525	2408
85°	2022	1171	2022	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11822 cd/sqm



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	2.4
10°-20°	736.2	6.9
20°-30°	1138.0	10.7
30°-40°	1358.6	12.8
40°-50°	1366.5	12.8
50°-60°	1189.0	11.2
60°-70°	843.1	7.9
70°-80°	446.0	4.2
80°-90°	113.0	1.1
90°-100°	240.4	2.3
100°-110°	632.1	5.9
110°-120°	655.4	6.2
120°-130°	525.7	4.9
130°-140°	412.5	3.9
140°-150°	316.6	3.0
150°-160°	228.0	2.1
160°-170°	139.5	1.3
170°-180°	47.1	0.4
0°-30°	2133.5	20.0
0°-40°	3492.1	32.8
0°-60°	6047.7	56.8
0°-90°	7449.7	70.0
90°-120°	1527.9	14.4
90°-150°	2782.6	26.1
90°-180°	3197.0	30.0
0°-180°	10647.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2872	2872	2872	2872	2872	
5°	2886	2976	2886	2340	2886	274
15°	2756	2948	2756	2462	2756	775
25°	2427	2750	2427	2408	2427	1114
35°	1845	2454	1845	2095	1845	1142
45°	1190	2022	1190	1774	1190	953
55°	970	1492	970	1457	970	891
65°	674	900	674	1006	674	644
75°	255	427	255	511	255	269
85°	43	109	43	92	43	59
90°	3	13	3	13	3	5
95°	32	145	32	145	32	35
105°	114	990	114	990	114	121
115°	202	1274	202	1274	202	200
125°	281	1015	281	1015	281	250
135°	335	788	335	788	335	259
145°	389	639	389	639	389	244
155°	440	550	440	550	440	202
165°	474	512	474	512	474	134
175°	493	496	493	496	493	47
180°	493	493	493	493	493	



TEST NUMBER: P934552
 CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2896.9	2896.9	2913.2	2918.7	2918.7	2910.6	2902.4	2910.6	2935.0	2943.2	2940.4
5°	2886.1	2907.8	2937.7	2943.2	2948.5	2945.9	2940.4	2945.9	2973.0	2978.5	2981.2
7.5°	2864.3	2905.1	2943.2	2951.3	2959.5	2951.3	2948.5	2954.0	2981.2	2986.6	2986.6
10°	2837.2	2894.3	2937.7	2943.2	2951.3	2943.2	2943.2	2954.0	2981.2	2986.6	2989.3
12.5°	2799.1	2877.9	2918.7	2924.1	2935.0	2932.2	2929.6	2940.4	2967.6	2973.0	2973.0
15°	2755.7	2848.0	2886.1	2891.5	2910.6	2905.1	2905.1	2915.9	2945.9	2954.0	2951.3
17.5°	2695.8	2809.9	2853.5	2861.6	2875.2	2872.5	2875.2	2886.1	2913.2	2918.7	2921.4
20°	2627.9	2758.3	2809.9	2818.1	2831.7	2831.7	2831.7	2845.3	2872.5	2883.3	2883.3
22.5°	2535.5	2704.0	2758.3	2763.8	2780.1	2780.1	2785.5	2804.6	2829.0	2831.7	2831.7
25°	2426.8	2644.2	2690.4	2706.7	2723.0	2731.2	2739.4	2750.2	2758.3	2755.7	2758.3
27.5°	2312.6	2568.1	2627.9	2638.7	2660.5	2668.7	2679.5	2682.3	2685.0	2693.1	2687.6
30°	2185.0	2462.2	2551.8	2562.7	2598.0	2603.4	2592.6	2598.0	2611.6	2617.1	2622.4
32.5°	2040.9	2304.5	2473.0	2497.5	2530.1	2513.8	2511.1	2519.2	2540.9	2540.9	2546.4
35°	1845.2	2182.2	2399.6	2421.4	2445.8	2426.8	2437.7	2440.4	2454.0	2462.2	2459.4
37.5°	1630.6	2076.2	2323.6	2339.9	2358.9	2334.4	2350.7	2358.9	2369.7	2364.3	2364.3
40°	1440.3	1910.4	2233.9	2244.7	2261.0	2242.0	2258.3	2263.7	2269.2	2263.7	2261.0
42.5°	1299.0	1728.4	2138.7	2152.3	2141.4	2155.0	2160.5	2171.3	2163.2	2152.3	2152.3
45°	1190.3	1679.5	2035.4	2051.7	2035.4	2057.2	2065.4	2065.4	2040.9	2035.4	2032.7
47.5°	1155.0	1581.6	1932.2	1932.2	1924.1	1951.2	1964.8	1945.7	1921.3	1913.1	1913.1
50°	1152.2	1472.9	1790.9	1780.0	1818.1	1850.7	1837.1	1818.1	1799.0	1769.2	1769.2
52.5°	1046.2	1339.7	1608.8	1649.6	1709.3	1728.4	1706.6	1687.6	1655.0	1641.4	1630.6
55°	970.2	1201.2	1443.1	1524.6	1587.0	1611.5	1570.7	1551.7	1502.8	1494.7	1489.2
57.5°	953.9	1000.1	1290.8	1394.1	1470.2	1467.5	1443.1	1407.7	1366.9	1358.8	1356.1
60°	875.0	722.9	1127.8	1250.1	1328.9	1320.8	1299.0	1266.4	1228.3	1222.9	1217.5
62.5°	793.5	524.5	943.0	1081.6	1193.0	1190.3	1171.3	1122.4	1095.2	1081.6	1070.7
65°	674.0	440.3	671.2	899.5	1059.9	1065.3	1024.5	989.2	959.3	943.0	940.3
67.5°	513.6	358.7	453.9	750.1	932.1	926.7	875.0	858.7	820.7	812.6	796.3
70°	380.5	239.1	315.3	608.8	807.1	793.5	752.7	733.8	698.4	679.4	668.5
72.5°	315.3	193.0	231.0	472.9	679.4	663.1	627.8	606.0	576.2	559.9	548.9
75°	255.4	203.8	176.7	350.6	551.7	540.8	508.2	486.5	462.0	440.3	442.9
77.5°	187.5	190.2	141.3	258.2	437.6	421.3	402.2	375.0	364.2	342.4	342.4
80°	141.3	149.4	106.0	176.7	315.3	315.3	299.0	279.9	260.9	250.1	250.1
82.5°	95.1	95.1	78.8	111.5	214.7	206.5	195.7	190.2	179.4	173.9	173.9
85°	43.4	54.4	48.9	67.9	116.8	122.3	122.3	116.8	114.1	108.7	111.5
87.5°	13.6	24.5	29.9	38.1	59.8	62.5	65.2	65.2	65.2	67.9	67.9
90°	3.3	5.9	8.6	9.2	14.5	21.6	25.1	22.3	16.8	12.6	12.6
92.5°	13.2	35.7	58.3	63.9	89.9	124.4	141.6	124.1	89.1	62.9	60.4
95°	31.8	73.0	114.2	124.5	221.0	349.7	414.1	369.5	280.4	213.5	206.0
97.5°	54.9	91.2	127.6	136.7	297.7	512.3	619.7	591.5	535.1	492.9	478.4
100°	72.8	105.8	138.7	146.9	325.6	563.8	682.9	685.0	689.1	692.1	674.9
102.5°	88.1	118.8	149.5	157.2	338.4	580.0	700.8	736.7	808.5	862.3	847.6
105°	113.9	139.9	166.0	172.5	347.9	581.9	698.8	779.2	940.2	1060.9	1053.0
107.5°	140.4	164.6	188.9	195.0	349.6	555.9	659.0	771.3	995.8	1164.2	1166.1
110°	158.2	180.1	202.1	207.6	347.1	533.0	625.9	751.4	1002.4	1190.6	1198.9



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	175.8	196.7	217.5	222.8	347.1	513.0	595.8	724.2	981.1	1173.7	1186.4
115°	202.3	221.5	240.8	245.6	350.3	490.0	559.8	683.5	930.9	1116.5	1134.0
117.5°	228.4	245.9	263.4	267.8	356.9	475.5	534.9	646.6	869.9	1037.4	1056.8
120°	243.6	260.1	276.6	280.7	362.2	470.7	525.0	627.0	831.0	984.1	1002.9
122.5°	258.5	275.1	291.7	295.9	369.7	468.1	517.4	609.2	793.0	930.8	949.5
125°	281.4	296.5	311.6	315.4	380.0	466.1	509.1	587.2	743.3	860.3	877.5
127.5°	299.9	315.2	330.4	334.3	390.3	464.9	502.1	569.2	703.2	803.7	818.2
130°	309.8	326.3	342.8	346.9	397.7	465.6	499.5	559.1	678.5	767.9	781.3
132.5°	320.1	336.5	353.1	357.2	403.8	466.1	497.2	550.6	657.4	737.5	749.4
135°	335.3	350.3	365.3	369.1	410.4	465.6	493.2	537.9	627.4	694.4	704.8
137.5°	350.9	365.8	380.6	384.3	420.4	468.5	492.6	530.4	606.0	662.7	671.1
140°	363.8	377.5	391.1	394.6	426.5	469.0	490.2	522.9	588.2	637.2	645.0
142.5°	373.7	386.3	399.0	402.1	431.5	470.6	490.2	518.9	576.3	619.4	626.2
145°	389.0	400.0	411.1	413.8	438.2	470.7	486.9	510.4	557.4	592.5	597.7
147.5°	404.1	414.9	425.7	428.3	447.8	473.9	486.9	505.4	542.3	570.0	574.2
150°	414.1	423.8	433.5	435.9	453.0	475.6	486.9	502.5	533.8	557.1	560.6
152.5°	424.4	431.8	439.1	440.9	456.3	476.7	486.9	500.3	526.8	546.8	549.5
155°	439.6	445.0	450.5	451.8	463.6	479.2	486.9	497.5	518.7	534.6	536.3
157.5°	450.8	456.1	461.4	462.8	470.8	481.6	486.9	495.1	511.6	524.0	525.2
160°	458.4	462.6	466.7	467.7	474.2	482.7	486.9	494.0	508.1	518.7	519.4
162.5°	466.1	469.2	472.2	473.0	477.7	483.9	486.9	492.9	504.8	513.8	514.4
165°	474.3	477.1	479.9	480.6	482.7	485.5	486.9	491.2	499.7	506.1	506.9
167.5°	482.0	483.2	484.6	484.9	486.7	489.0	490.2	493.0	498.7	502.8	503.2
170°	486.9	488.2	489.6	489.9	490.0	490.2	490.2	493.0	498.7	502.8	502.8
172.5°	489.6	489.9	490.2	490.2	490.2	490.2	490.2	492.5	496.9	500.2	499.9
175°	493.2	493.2	493.2	493.2	492.2	490.9	490.2	491.6	494.4	496.5	496.5
177.5°	493.2	493.2	493.2	493.2	492.4	491.4	490.9	492.0	494.2	495.9	495.5
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2945.9	2937.7	2945.9	2940.4	2943.2	2935.0	2910.6	2902.4	2910.6	2918.7	2918.7
5°	2981.2	2975.8	2981.2	2981.2	2978.5	2973.0	2945.9	2940.4	2945.9	2948.5	2943.2
7.5°	2992.1	2983.9	2992.1	2986.6	2986.6	2981.2	2954.0	2948.5	2951.3	2959.5	2951.3
10°	2992.1	2983.9	2992.1	2989.3	2986.6	2981.2	2954.0	2943.2	2943.2	2951.3	2943.2
12.5°	2978.5	2973.0	2978.5	2973.0	2973.0	2967.6	2940.4	2929.6	2932.2	2935.0	2924.1
15°	2956.7	2948.5	2956.7	2951.3	2954.0	2945.9	2915.9	2905.1	2905.1	2910.6	2891.5
17.5°	2924.1	2913.2	2924.1	2921.4	2918.7	2913.2	2886.1	2875.2	2872.5	2875.2	2861.6
20°	2886.1	2877.9	2886.1	2883.3	2883.3	2872.5	2845.3	2831.7	2831.7	2831.7	2818.1
22.5°	2826.2	2818.1	2826.2	2831.7	2831.7	2829.0	2804.6	2785.5	2780.1	2780.1	2763.8
25°	2758.3	2750.2	2758.3	2758.3	2755.7	2758.3	2750.2	2739.4	2731.2	2723.0	2706.7
27.5°	2693.1	2687.6	2693.1	2687.6	2693.1	2685.0	2682.3	2679.5	2668.7	2660.5	2638.7
30°	2627.9	2622.4	2627.9	2622.4	2617.1	2611.6	2598.0	2592.6	2603.4	2598.0	2562.7
32.5°	2546.4	2540.9	2546.4	2546.4	2540.9	2540.9	2519.2	2511.1	2513.8	2530.1	2497.5
35°	2462.2	2454.0	2462.2	2459.4	2462.2	2454.0	2440.4	2437.7	2426.8	2445.8	2421.4
37.5°	2364.3	2356.2	2364.3	2364.3	2364.3	2369.7	2358.9	2350.7	2334.4	2358.9	2339.9
40°	2263.7	2252.9	2263.7	2261.0	2263.7	2269.2	2263.7	2258.3	2242.0	2261.0	2244.7
42.5°	2149.6	2146.9	2149.6	2152.3	2152.3	2163.2	2171.3	2160.5	2155.0	2141.4	2152.3
45°	2027.3	2021.9	2027.3	2032.7	2035.4	2040.9	2065.4	2065.4	2057.2	2035.4	2051.7
47.5°	1896.8	1883.3	1896.8	1913.1	1913.1	1921.3	1945.7	1964.8	1951.2	1924.1	1932.2
50°	1758.2	1761.0	1758.2	1769.2	1769.2	1799.0	1818.1	1837.1	1850.7	1818.1	1780.0
52.5°	1622.4	1619.7	1622.4	1630.6	1641.4	1655.0	1687.6	1706.6	1728.4	1709.3	1649.6
55°	1486.5	1492.0	1486.5	1489.2	1494.7	1502.8	1551.7	1570.7	1611.5	1587.0	1524.6
57.5°	1350.6	1342.5	1350.6	1356.1	1358.8	1366.9	1407.7	1443.1	1467.5	1470.2	1394.1
60°	1193.0	1182.2	1193.0	1217.5	1222.9	1228.3	1266.4	1299.0	1320.8	1328.9	1250.1
62.5°	1054.4	1035.4	1054.4	1070.7	1081.6	1095.2	1122.4	1171.3	1190.3	1193.0	1081.6
65°	907.6	899.5	907.6	940.3	943.0	959.3	989.2	1024.5	1065.3	1059.9	899.5
67.5°	774.5	774.5	774.5	796.3	812.6	820.7	858.7	875.0	926.7	932.1	750.1
70°	652.2	649.5	652.2	668.5	679.4	698.4	733.8	752.7	793.5	807.1	608.8
72.5°	535.4	532.6	535.4	548.9	559.9	576.2	606.0	627.8	663.1	679.4	472.9
75°	432.1	426.6	432.1	442.9	440.3	462.0	486.5	508.2	540.8	551.7	350.6
77.5°	331.6	331.6	331.6	342.4	342.4	364.2	375.0	402.2	421.3	437.6	258.2
80°	247.3	244.6	247.3	250.1	250.1	260.9	279.9	299.0	315.3	315.3	176.7
82.5°	173.9	168.5	173.9	173.9	173.9	179.4	190.2	195.7	206.5	214.7	111.5
85°	108.7	108.7	108.7	111.5	108.7	114.1	116.8	122.3	122.3	116.8	67.9
87.5°	70.7	67.9	70.7	67.9	67.9	65.2	65.2	65.2	62.5	59.8	38.1
90°	12.6	12.6	12.6	12.6	12.6	16.8	22.3	25.1	21.6	14.5	9.2
92.5°	50.3	40.4	50.3	60.4	62.9	89.1	124.1	141.6	124.4	89.9	63.9
95°	175.6	145.3	175.6	206.0	213.5	280.4	369.5	414.1	349.7	221.0	124.5
97.5°	420.8	363.1	420.8	478.4	492.9	535.1	591.5	619.7	512.3	297.7	136.7
100°	606.3	537.5	606.3	674.9	692.1	689.1	685.0	682.9	563.8	325.6	146.9
102.5°	788.7	729.8	788.7	847.6	862.3	808.5	736.7	700.8	580.0	338.4	157.2
105°	1021.3	989.7	1021.3	1053.0	1060.9	940.2	779.2	698.8	581.9	347.9	172.5
107.5°	1173.7	1181.4	1173.7	1166.1	1164.2	995.8	771.3	659.0	555.9	349.6	195.0
110°	1231.8	1264.8	1231.8	1198.9	1190.6	1002.4	751.4	625.9	533.0	347.1	207.6



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1237.0	1287.6	1237.0	1186.4	1173.7	981.1	724.2	595.8	513.0	347.1	222.8
115°	1204.2	1274.4	1204.2	1134.0	1116.5	930.9	683.5	559.8	490.0	350.3	245.6
117.5°	1134.7	1212.5	1134.7	1056.8	1037.4	869.9	646.6	534.9	475.5	356.9	267.8
120°	1078.6	1154.2	1078.6	1002.9	984.1	831.0	627.0	525.0	470.7	362.2	280.7
122.5°	1024.1	1098.7	1024.1	949.5	930.8	793.0	609.2	517.4	468.1	369.7	295.9
125°	946.2	1014.9	946.2	877.5	860.3	743.3	587.2	509.1	466.1	380.0	315.4
127.5°	876.2	934.1	876.2	818.2	803.7	703.2	569.2	502.1	464.9	390.3	334.3
130°	834.9	888.4	834.9	781.3	767.9	678.5	559.1	499.5	465.6	397.7	346.9
132.5°	797.5	845.4	797.5	749.4	737.5	657.4	550.6	497.2	466.1	403.8	357.2
135°	746.1	787.5	746.1	704.8	694.4	627.4	537.9	493.2	465.6	410.4	369.1
137.5°	705.0	738.8	705.0	671.1	662.7	606.0	530.4	492.6	468.5	420.4	384.3
140°	676.7	708.3	676.7	645.0	637.2	588.2	522.9	490.2	469.0	426.5	394.6
142.5°	653.3	680.5	653.3	626.2	619.4	576.3	518.9	490.2	470.6	431.5	402.1
145°	618.3	638.9	618.3	597.7	592.5	557.4	510.4	486.9	470.7	438.2	413.8
147.5°	591.3	608.4	591.3	574.2	570.0	542.3	505.4	486.9	473.9	447.8	428.3
150°	574.4	588.2	574.4	560.6	557.1	533.8	502.5	486.9	475.6	453.0	435.9
152.5°	559.9	570.4	559.9	549.5	546.8	526.8	500.3	486.9	476.7	456.3	440.9
155°	543.2	550.1	543.2	536.3	534.6	518.7	497.5	486.9	479.2	463.6	451.8
157.5°	530.1	534.9	530.1	525.2	524.0	511.6	495.1	486.9	481.6	470.8	462.8
160°	522.2	525.0	522.2	519.4	518.7	508.1	494.0	486.9	482.7	474.2	467.7
162.5°	517.1	519.7	517.1	514.4	513.8	504.8	492.9	486.9	483.9	477.7	473.0
165°	509.6	512.4	509.6	506.9	506.1	499.7	491.2	486.9	485.5	482.7	480.6
167.5°	504.3	505.5	504.3	503.2	502.8	498.7	493.0	490.2	489.0	486.7	484.9
170°	502.8	502.8	502.8	502.8	502.8	498.7	493.0	490.2	490.2	490.0	489.9
172.5°	498.9	497.9	498.9	499.9	500.2	496.9	492.5	490.2	490.2	490.2	490.2
175°	496.5	496.5	496.5	496.5	496.5	494.4	491.6	490.2	490.9	492.2	493.2
177.5°	494.4	493.2	494.4	495.5	495.9	494.2	492.0	490.9	491.4	492.4	493.2
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2913.2	2896.9	2896.9	2869.8	2858.9	2850.7	2837.2	2796.4	2785.5	2774.6	2791.0
5°	2937.7	2907.8	2886.1	2837.2	2796.4	2780.1	2728.4	2630.6	2565.4	2516.4	2489.3
7.5°	2943.2	2905.1	2864.3	2788.3	2690.4	2646.9	2489.3	2309.9	2261.0	2217.6	2190.3
10°	2937.7	2894.3	2837.2	2723.0	2492.0	2415.9	2258.3	2141.4	2111.6	2103.4	2111.6
12.5°	2918.7	2877.9	2799.1	2608.9	2285.5	2233.9	2141.4	2073.5	2068.0	2081.7	2155.0
15°	2886.1	2848.0	2755.7	2456.7	2171.3	2133.3	2068.0	2043.6	2073.5	2168.7	2388.8
17.5°	2853.5	2809.9	2695.8	2307.3	2084.3	2057.2	2011.0	2059.9	2228.4	2356.2	2429.5
20°	2809.9	2758.3	2627.9	2198.5	2021.9	1997.4	1975.7	2195.8	2323.6	2369.7	2410.5
22.5°	2758.3	2704.0	2535.5	2122.4	1956.7	1937.6	1951.2	2271.9	2323.6	2356.2	2391.5
25°	2690.4	2644.2	2426.8	2062.7	1905.0	1883.3	1934.9	2263.7	2293.6	2301.8	2372.5
27.5°	2627.9	2568.1	2312.6	2008.3	1842.5	1834.4	1948.5	2228.4	2250.2	2258.3	2334.4
30°	2551.8	2462.2	2185.0	1951.2	1777.3	1774.5	1951.2	2185.0	2179.5	2201.3	2277.3
32.5°	2473.0	2304.5	2040.9	1880.5	1714.8	1712.1	1932.2	2119.7	2114.3	2144.2	2201.3
35°	2399.6	2182.2	1845.2	1799.0	1636.0	1638.7	1886.0	2043.6	2046.4	2073.5	2108.8
37.5°	2323.6	2076.2	1630.6	1709.3	1559.9	1559.9	1823.5	1973.0	1967.5	1975.7	2024.6
40°	2233.9	1910.4	1440.3	1592.5	1489.2	1481.1	1747.4	1896.8	1877.8	1875.2	1943.1
42.5°	2138.7	1728.4	1299.0	1437.6	1407.7	1396.8	1655.0	1804.5	1769.2	1777.3	1864.2
45°	2035.4	1679.5	1190.3	1214.8	1323.4	1315.3	1554.4	1698.5	1674.0	1695.8	1785.5
47.5°	1932.2	1581.6	1155.0	1008.2	1233.8	1231.1	1443.1	1595.2	1581.6	1603.4	1698.5
50°	1790.9	1472.9	1152.2	864.2	1133.2	1144.1	1309.9	1494.7	1494.7	1513.7	1614.3
52.5°	1608.8	1339.7	1046.2	782.7	1016.4	1049.0	1193.0	1407.7	1413.1	1432.2	1521.8
55°	1443.1	1201.2	970.2	720.1	877.8	948.4	1078.9	1318.0	1328.9	1347.9	1429.4
57.5°	1290.8	1000.1	953.9	646.8	750.1	818.0	978.3	1231.1	1236.5	1252.8	1331.6
60°	1127.8	722.9	875.0	568.0	638.6	690.3	885.9	1127.8	1146.8	1157.7	1225.6
62.5°	943.0	524.5	793.5	513.6	584.3	595.2	809.8	1029.9	1054.4	1062.6	1103.3
65°	671.2	440.3	674.0	467.4	527.2	529.9	728.3	929.4	951.2	964.7	994.6
67.5°	453.9	358.7	513.6	423.9	483.7	486.5	649.5	812.6	842.4	853.3	872.4
70°	315.3	239.1	380.5	377.7	434.8	440.3	565.2	706.6	733.8	741.9	752.7
72.5°	231.0	193.0	315.3	339.7	383.2	388.7	478.3	587.0	614.1	622.3	627.8
75°	176.7	203.8	255.4	296.2	326.1	328.8	391.3	478.3	497.3	502.8	505.5
77.5°	141.3	190.2	187.5	239.1	266.4	260.9	307.1	369.6	385.9	385.9	385.9
80°	106.0	149.4	141.3	171.2	195.7	190.2	220.1	263.6	269.0	274.5	271.7
82.5°	78.8	95.1	95.1	108.7	130.4	125.0	146.8	171.2	171.2	171.2	176.7
85°	48.9	54.4	43.4	57.1	73.4	70.7	81.5	92.4	95.1	95.1	89.7
87.5°	29.9	24.5	13.6	21.8	32.6	32.6	38.1	40.8	38.1	38.1	38.1
90°	8.6	5.9	3.3	5.9	8.6	9.2	14.5	21.6	25.1	22.3	16.8
92.5°	58.3	35.7	13.2	35.7	58.3	63.9	89.9	124.4	141.6	124.1	89.1
95°	114.2	73.0	31.8	73.0	114.2	124.5	221.0	349.7	414.1	369.5	280.4
97.5°	127.6	91.2	54.9	91.2	127.6	136.7	297.7	512.3	619.7	591.5	535.1
100°	138.7	105.8	72.8	105.8	138.7	146.9	325.6	563.8	682.9	685.0	689.1
102.5°	149.5	118.8	88.1	118.8	149.5	157.2	338.4	580.0	700.8	736.7	808.5
105°	166.0	139.9	113.9	139.9	166.0	172.5	347.9	581.9	698.8	779.2	940.2
107.5°	188.9	164.6	140.4	164.6	188.9	195.0	349.6	555.9	659.0	771.3	995.8
110°	202.1	180.1	158.2	180.1	202.1	207.6	347.1	533.0	625.9	751.4	1002.4



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	217.5	196.7	175.8	196.7	217.5	222.8	347.1	513.0	595.8	724.2	981.1
115°	240.8	221.5	202.3	221.5	240.8	245.6	350.3	490.0	559.8	683.5	930.9
117.5°	263.4	245.9	228.4	245.9	263.4	267.8	356.9	475.5	534.9	646.6	869.9
120°	276.6	260.1	243.6	260.1	276.6	280.7	362.2	470.7	525.0	627.0	831.0
122.5°	291.7	275.1	258.5	275.1	291.7	295.9	369.7	468.1	517.4	609.2	793.0
125°	311.6	296.5	281.4	296.5	311.6	315.4	380.0	466.1	509.1	587.2	743.3
127.5°	330.4	315.2	299.9	315.2	330.4	334.3	390.3	464.9	502.1	569.2	703.2
130°	342.8	326.3	309.8	326.3	342.8	346.9	397.7	465.6	499.5	559.1	678.5
132.5°	353.1	336.5	320.1	336.5	353.1	357.2	403.8	466.1	497.2	550.6	657.4
135°	365.3	350.3	335.3	350.3	365.3	369.1	410.4	465.6	493.2	537.9	627.4
137.5°	380.6	365.8	350.9	365.8	380.6	384.3	420.4	468.5	492.6	530.4	606.0
140°	391.1	377.5	363.8	377.5	391.1	394.6	426.5	469.0	490.2	522.9	588.2
142.5°	399.0	386.3	373.7	386.3	399.0	402.1	431.5	470.6	490.2	518.9	576.3
145°	411.1	400.0	389.0	400.0	411.1	413.8	438.2	470.7	486.9	510.4	557.4
147.5°	425.7	414.9	404.1	414.9	425.7	428.3	447.8	473.9	486.9	505.4	542.3
150°	433.5	423.8	414.1	423.8	433.5	435.9	453.0	475.6	486.9	502.5	533.8
152.5°	439.1	431.8	424.4	431.8	439.1	440.9	456.3	476.7	486.9	500.3	526.8
155°	450.5	445.0	439.6	445.0	450.5	451.8	463.6	479.2	486.9	497.5	518.7
157.5°	461.4	456.1	450.8	456.1	461.4	462.8	470.8	481.6	486.9	495.1	511.6
160°	466.7	462.6	458.4	462.6	466.7	467.7	474.2	482.7	486.9	494.0	508.1
162.5°	472.2	469.2	466.1	469.2	472.2	473.0	477.7	483.9	486.9	492.9	504.8
165°	479.9	477.1	474.3	477.1	479.9	480.6	482.7	485.5	486.9	491.2	499.7
167.5°	484.6	483.2	482.0	483.2	484.6	484.9	486.7	489.0	490.2	493.0	498.7
170°	489.6	488.2	486.9	488.2	489.6	489.9	490.0	490.2	490.2	493.0	498.7
172.5°	490.2	489.9	489.6	489.9	490.2	490.2	490.2	490.2	490.2	492.5	496.9
175°	493.2	493.2	493.2	493.2	493.2	493.2	492.2	490.9	490.2	491.6	494.4
177.5°	493.2	493.2	493.2	493.2	493.2	493.2	492.4	491.4	490.9	492.0	494.2
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934552
 CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2772.0	2763.8	2774.6	2744.7	2774.6	2763.8	2772.0	2791.0	2774.6	2785.5	2796.4
5°	2432.2	2418.6	2375.2	2339.9	2375.2	2418.6	2432.2	2489.3	2516.4	2565.4	2630.6
7.5°	2174.0	2163.2	2152.3	2130.6	2152.3	2163.2	2174.0	2190.3	2217.6	2261.0	2309.9
10°	2117.0	2119.7	2136.0	2133.3	2136.0	2119.7	2117.0	2111.6	2103.4	2111.6	2141.4
12.5°	2263.7	2288.2	2377.8	2372.5	2377.8	2288.2	2263.7	2155.0	2081.7	2068.0	2073.5
15°	2432.2	2440.4	2459.4	2462.2	2459.4	2440.4	2432.2	2388.8	2168.7	2073.5	2043.6
17.5°	2448.5	2451.2	2464.8	2464.8	2464.8	2451.2	2448.5	2429.5	2356.2	2228.4	2059.9
20°	2434.9	2440.4	2467.5	2473.0	2467.5	2440.4	2434.9	2410.5	2369.7	2323.6	2195.8
22.5°	2429.5	2440.4	2462.2	2459.4	2462.2	2440.4	2429.5	2391.5	2356.2	2323.6	2271.9
25°	2402.3	2402.3	2405.1	2407.8	2405.1	2402.3	2402.3	2372.5	2301.8	2293.6	2263.7
27.5°	2345.2	2350.7	2367.0	2364.3	2367.0	2350.7	2345.2	2334.4	2258.3	2250.2	2228.4
30°	2293.6	2288.2	2274.6	2263.7	2274.6	2288.2	2293.6	2277.3	2201.3	2179.5	2185.0
32.5°	2206.6	2193.1	2179.5	2171.3	2179.5	2193.1	2206.6	2201.3	2144.2	2114.3	2119.7
35°	2103.4	2106.1	2103.4	2095.3	2103.4	2106.1	2103.4	2108.8	2073.5	2046.4	2043.6
37.5°	2030.1	2035.4	2032.7	2021.9	2032.7	2035.4	2030.1	2024.6	1975.7	1967.5	1973.0
40°	1953.9	1956.7	1953.9	1945.7	1953.9	1956.7	1953.9	1943.1	1875.2	1877.8	1896.8
42.5°	1880.5	1877.8	1869.7	1864.2	1869.7	1877.8	1880.5	1864.2	1777.3	1769.2	1804.5
45°	1796.3	1799.0	1782.7	1774.5	1782.7	1799.0	1796.3	1785.5	1695.8	1674.0	1698.5
47.5°	1712.1	1712.1	1698.5	1690.3	1698.5	1712.1	1712.1	1698.5	1603.4	1581.6	1595.2
50°	1622.4	1619.7	1600.6	1598.0	1600.6	1619.7	1622.4	1614.3	1513.7	1494.7	1494.7
52.5°	1519.1	1519.1	1521.8	1527.3	1521.8	1519.1	1519.1	1521.8	1432.2	1413.1	1407.7
55°	1429.4	1432.2	1451.2	1456.6	1451.2	1432.2	1429.4	1429.4	1347.9	1328.9	1318.0
57.5°	1337.1	1337.1	1350.6	1350.6	1350.6	1337.1	1337.1	1331.6	1252.8	1236.5	1231.1
60°	1231.1	1236.5	1247.4	1244.6	1247.4	1236.5	1231.1	1225.6	1157.7	1146.8	1127.8
62.5°	1119.6	1125.1	1127.8	1122.4	1127.8	1125.1	1119.6	1103.3	1062.6	1054.4	1029.9
65°	1002.8	1008.2	1011.0	1005.5	1011.0	1008.2	1002.8	994.6	964.7	951.2	929.4
67.5°	883.2	880.5	877.8	888.7	877.8	880.5	883.2	872.4	853.3	842.4	812.6
70°	760.9	760.9	758.2	763.7	758.2	760.9	760.9	752.7	741.9	733.8	706.6
72.5°	630.5	627.8	638.6	630.5	638.6	627.8	630.5	627.8	622.3	614.1	587.0
75°	502.8	508.2	502.8	510.9	502.8	508.2	502.8	505.5	502.8	497.3	478.3
77.5°	383.2	388.7	383.2	383.2	383.2	388.7	383.2	385.9	385.9	385.9	369.6
80°	271.7	269.0	269.0	266.4	269.0	269.0	271.7	271.7	274.5	269.0	263.6
82.5°	173.9	171.2	171.2	176.7	171.2	171.2	173.9	176.7	171.2	171.2	171.2
85°	95.1	97.8	92.4	92.4	92.4	97.8	95.1	89.7	95.1	95.1	92.4
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.1	38.1	38.1	40.8
90°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	16.8	22.3	25.1	21.6
92.5°	62.9	60.4	50.3	40.4	50.3	60.4	62.9	89.1	124.1	141.6	124.4
95°	213.5	206.0	175.6	145.3	175.6	206.0	213.5	280.4	369.5	414.1	349.7
97.5°	492.9	478.4	420.8	363.1	420.8	478.4	492.9	535.1	591.5	619.7	512.3
100°	692.1	674.9	606.3	537.5	606.3	674.9	692.1	689.1	685.0	682.9	563.8
102.5°	862.3	847.6	788.7	729.8	788.7	847.6	862.3	808.5	736.7	700.8	580.0
105°	1060.9	1053.0	1021.3	989.7	1021.3	1053.0	1060.9	940.2	779.2	698.8	581.9
107.5°	1164.2	1166.1	1173.7	1181.4	1173.7	1166.1	1164.2	995.8	771.3	659.0	555.9
110°	1190.6	1198.9	1231.8	1264.8	1231.8	1198.9	1190.6	1002.4	751.4	625.9	533.0



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1173.7	1186.4	1237.0	1287.6	1237.0	1186.4	1173.7	981.1	724.2	595.8	513.0
115°	1116.5	1134.0	1204.2	1274.4	1204.2	1134.0	1116.5	930.9	683.5	559.8	490.0
117.5°	1037.4	1056.8	1134.7	1212.5	1134.7	1056.8	1037.4	869.9	646.6	534.9	475.5
120°	984.1	1002.9	1078.6	1154.2	1078.6	1002.9	984.1	831.0	627.0	525.0	470.7
122.5°	930.8	949.5	1024.1	1098.7	1024.1	949.5	930.8	793.0	609.2	517.4	468.1
125°	860.3	877.5	946.2	1014.9	946.2	877.5	860.3	743.3	587.2	509.1	466.1
127.5°	803.7	818.2	876.2	934.1	876.2	818.2	803.7	703.2	569.2	502.1	464.9
130°	767.9	781.3	834.9	888.4	834.9	781.3	767.9	678.5	559.1	499.5	465.6
132.5°	737.5	749.4	797.5	845.4	797.5	749.4	737.5	657.4	550.6	497.2	466.1
135°	694.4	704.8	746.1	787.5	746.1	704.8	694.4	627.4	537.9	493.2	465.6
137.5°	662.7	671.1	705.0	738.8	705.0	671.1	662.7	606.0	530.4	492.6	468.5
140°	637.2	645.0	676.7	708.3	676.7	645.0	637.2	588.2	522.9	490.2	469.0
142.5°	619.4	626.2	653.3	680.5	653.3	626.2	619.4	576.3	518.9	490.2	470.6
145°	592.5	597.7	618.3	638.9	618.3	597.7	592.5	557.4	510.4	486.9	470.7
147.5°	570.0	574.2	591.3	608.4	591.3	574.2	570.0	542.3	505.4	486.9	473.9
150°	557.1	560.6	574.4	588.2	574.4	560.6	557.1	533.8	502.5	486.9	475.6
152.5°	546.8	549.5	559.9	570.4	559.9	549.5	546.8	526.8	500.3	486.9	476.7
155°	534.6	536.3	543.2	550.1	543.2	536.3	534.6	518.7	497.5	486.9	479.2
157.5°	524.0	525.2	530.1	534.9	530.1	525.2	524.0	511.6	495.1	486.9	481.6
160°	518.7	519.4	522.2	525.0	522.2	519.4	518.7	508.1	494.0	486.9	482.7
162.5°	513.8	514.4	517.1	519.7	517.1	514.4	513.8	504.8	492.9	486.9	483.9
165°	506.1	506.9	509.6	512.4	509.6	506.9	506.1	499.7	491.2	486.9	485.5
167.5°	502.8	503.2	504.3	505.5	504.3	503.2	502.8	498.7	493.0	490.2	489.0
170°	502.8	502.8	502.8	502.8	502.8	502.8	502.8	498.7	493.0	490.2	490.2
172.5°	500.2	499.9	498.9	497.9	498.9	499.9	500.2	496.9	492.5	490.2	490.2
175°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	494.4	491.6	490.2	490.9
177.5°	495.9	495.5	494.4	493.2	494.4	495.5	495.9	494.2	492.0	490.9	491.4
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2837.2	2850.7	2858.9	2869.8	2896.9
5°	2728.4	2780.1	2796.4	2837.2	2886.1
7.5°	2489.3	2646.9	2690.4	2788.3	2864.3
10°	2258.3	2415.9	2492.0	2723.0	2837.2
12.5°	2141.4	2233.9	2285.5	2608.9	2799.1
15°	2068.0	2133.3	2171.3	2456.7	2755.7
17.5°	2011.0	2057.2	2084.3	2307.3	2695.8
20°	1975.7	1997.4	2021.9	2198.5	2627.9
22.5°	1951.2	1937.6	1956.7	2122.4	2535.5
25°	1934.9	1883.3	1905.0	2062.7	2426.8
27.5°	1948.5	1834.4	1842.5	2008.3	2312.6
30°	1951.2	1774.5	1777.3	1951.2	2185.0
32.5°	1932.2	1712.1	1714.8	1880.5	2040.9
35°	1886.0	1638.7	1636.0	1799.0	1845.2
37.5°	1823.5	1559.9	1559.9	1709.3	1630.6
40°	1747.4	1481.1	1489.2	1592.5	1440.3
42.5°	1655.0	1396.8	1407.7	1437.6	1299.0
45°	1554.4	1315.3	1323.4	1214.8	1190.3
47.5°	1443.1	1231.1	1233.8	1008.2	1155.0
50°	1309.9	1144.1	1133.2	864.2	1152.2
52.5°	1193.0	1049.0	1016.4	782.7	1046.2
55°	1078.9	948.4	877.8	720.1	970.2
57.5°	978.3	818.0	750.1	646.8	953.9
60°	885.9	690.3	638.6	568.0	875.0
62.5°	809.8	595.2	584.3	513.6	793.5
65°	728.3	529.9	527.2	467.4	674.0
67.5°	649.5	486.5	483.7	423.9	513.6
70°	565.2	440.3	434.8	377.7	380.5
72.5°	478.3	388.7	383.2	339.7	315.3
75°	391.3	328.8	326.1	296.2	255.4
77.5°	307.1	260.9	266.4	239.1	187.5
80°	220.1	190.2	195.7	171.2	141.3
82.5°	146.8	125.0	130.4	108.7	95.1
85°	81.5	70.7	73.4	57.1	43.4
87.5°	38.1	32.6	32.6	21.8	13.6
90°	14.5	9.2	8.6	5.9	3.3
92.5°	89.9	63.9	58.3	35.7	13.2
95°	221.0	124.5	114.2	73.0	31.8
97.5°	297.7	136.7	127.6	91.2	54.9
100°	325.6	146.9	138.7	105.8	72.8
102.5°	338.4	157.2	149.5	118.8	88.1
105°	347.9	172.5	166.0	139.9	113.9
107.5°	349.6	195.0	188.9	164.6	140.4
110°	347.1	207.6	202.1	180.1	158.2



TEST NUMBER: P934552

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	347.1	222.8	217.5	196.7	175.8
115°	350.3	245.6	240.8	221.5	202.3
117.5°	356.9	267.8	263.4	245.9	228.4
120°	362.2	280.7	276.6	260.1	243.6
122.5°	369.7	295.9	291.7	275.1	258.5
125°	380.0	315.4	311.6	296.5	281.4
127.5°	390.3	334.3	330.4	315.2	299.9
130°	397.7	346.9	342.8	326.3	309.8
132.5°	403.8	357.2	353.1	336.5	320.1
135°	410.4	369.1	365.3	350.3	335.3
137.5°	420.4	384.3	380.6	365.8	350.9
140°	426.5	394.6	391.1	377.5	363.8
142.5°	431.5	402.1	399.0	386.3	373.7
145°	438.2	413.8	411.1	400.0	389.0
147.5°	447.8	428.3	425.7	414.9	404.1
150°	453.0	435.9	433.5	423.8	414.1
152.5°	456.3	440.9	439.1	431.8	424.4
155°	463.6	451.8	450.5	445.0	439.6
157.5°	470.8	462.8	461.4	456.1	450.8
160°	474.2	467.7	466.7	462.6	458.4
162.5°	477.7	473.0	472.2	469.2	466.1
165°	482.7	480.6	479.9	477.1	474.3
167.5°	486.7	484.9	484.6	483.2	482.0
170°	490.0	489.9	489.6	488.2	486.9
172.5°	490.2	490.2	490.2	489.9	489.6
175°	492.2	493.2	493.2	493.2	493.2
177.5°	492.4	493.2	493.2	493.2	493.2
180°	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934552
 CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-8

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	15.47	16.55	16.24	17.33	18.29	18.31	19.38	19.07	20.17	21.13
	3H	15.97	16.93	16.74	17.73	18.71	19.67	20.64	20.45	21.44	22.42
	4H	16.17	17.08	16.96	17.88	18.88	20.13	21.04	20.93	21.85	22.84
	6H	16.30	17.14	17.10	17.95	18.96	20.43	21.27	21.24	22.08	23.09
	8H	16.30	17.10	17.12	17.94	18.95	20.51	21.31	21.33	22.14	23.15
	12H	16.28	17.04	17.11	17.87	18.91	20.56	21.32	21.38	22.14	23.18
4H	2H	16.53	17.44	17.33	18.25	19.24	18.74	19.66	19.54	20.46	21.46
	3H	17.58	18.34	18.39	19.18	20.19	20.27	21.03	21.08	21.87	22.88
	4H	17.86	18.55	18.69	19.39	20.43	20.81	21.50	21.64	22.34	23.38
	6H	18.00	18.60	18.84	19.46	20.51	21.19	21.79	22.03	22.65	23.69
	8H	18.01	18.57	18.86	19.43	20.48	21.30	21.86	22.15	22.72	23.78
	12H	17.99	18.49	18.86	19.37	20.43	21.37	21.87	22.24	22.75	23.81
8H	4H	18.34	18.89	19.18	19.75	20.81	20.95	21.51	21.80	22.37	23.43
	6H	18.61	19.07	19.48	19.97	21.03	21.40	21.86	22.27	22.76	23.82
	8H	18.65	19.06	19.54	19.96	21.03	21.56	21.96	22.44	22.86	23.93
	12H	18.64	19.01	19.53	19.89	21.02	21.66	22.03	22.55	22.91	24.04
12H	4H	18.35	18.85	19.22	19.73	20.80	20.93	21.43	21.79	22.31	23.37
	6H	18.67	19.08	19.55	19.97	21.05	21.40	21.81	22.28	22.70	23.78
	8H	18.75	19.11	19.63	19.99	21.12	21.57	21.93	22.46	22.82	23.95