

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: P934420

Luminaire Tested: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934420
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

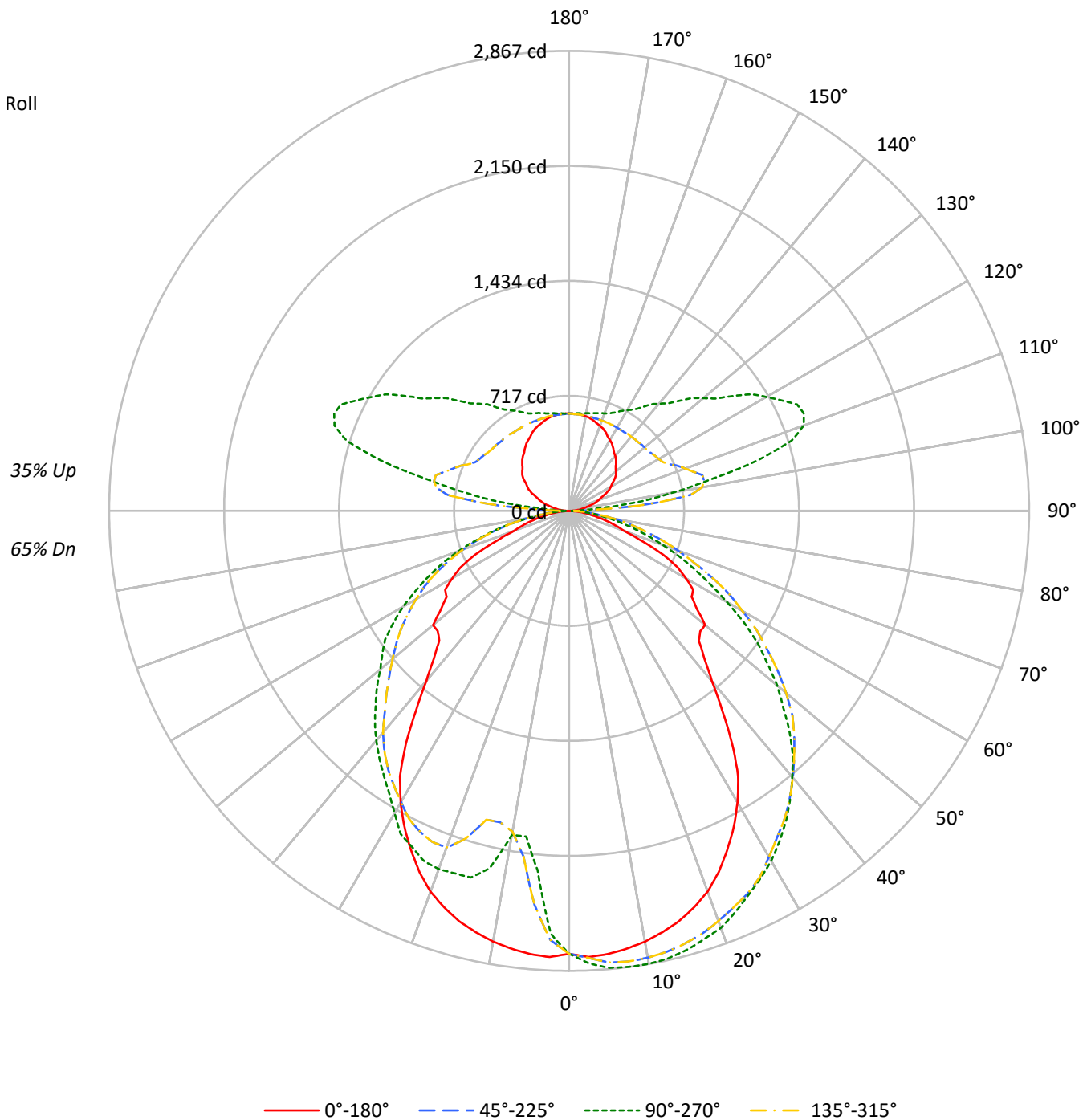
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11091.3 lumens
Efficiency: N/A
Efficacy: 122.7 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): 90.4
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: P934420
CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	69	69	69	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	62	60	59	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	54	52	50	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	48	45	42	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	43	39	36	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	39	35	32	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	35	31	28	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	32	28	25	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	27	23	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12803	12803	12803	12803
5°	12899	12924	12899	10163
10°	12813	12731	12813	9102
15°	12673	12455	12673	10401
20°	12408	12129	12408	10422
25°	11866	11652	11866	10201
30°	11165	11256	11165	9717
35°	9953	10756	9953	9184
40°	8294	10167	8294	8781
45°	7410	9477	7410	8318
50°	7873	8655	7873	7854
55°	7407	7768	7407	7585
60°	7636	6598	7636	6947
65°	6922	5454	6922	6097
70°	4794	4347	4794	5110
75°	4203	3213	4203	3847
80°	3388	2123	3388	2313
85°	1947	1125	1947	956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11357 cd/sqm



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	2.2
10°-20°	707.3	6.4
20°-30°	1093.3	9.9
30°-40°	1305.2	11.8
40°-50°	1312.8	11.8
50°-60°	1142.3	10.3
60°-70°	809.9	7.3
70°-80°	428.5	3.9
80°-90°	109.0	1.0
90°-100°	295.8	2.7
100°-110°	777.7	7.0
110°-120°	806.4	7.3
120°-130°	646.8	5.8
130°-140°	507.5	4.6
140°-150°	389.5	3.5
150°-160°	280.5	2.5
160°-170°	171.6	1.5
170°-180°	58.0	0.5
0°-30°	2049.7	18.5
0°-40°	3354.8	30.2
0°-60°	5810.0	52.4
0°-90°	7157.4	64.5
90°-120°	1879.9	16.9
90°-150°	3423.7	30.9
90°-180°	3934.0	35.5
0°-180°	11091.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2760	2760	2760	2760	2760	
5°	2773	2859	2773	2248	2773	263
15°	2647	2833	2647	2365	2647	745
25°	2331	2642	2331	2313	2331	1070
35°	1773	2358	1773	2013	1773	1097
45°	1144	1942	1144	1705	1144	916
55°	932	1433	932	1399	932	856
65°	647	864	647	966	647	619
75°	245	410	245	491	245	258
85°	42	104	42	89	42	56
90°	4	16	4	16	4	5
95°	39	179	39	179	39	43
105°	140	1218	140	1218	140	149
115°	249	1568	249	1568	249	246
125°	346	1249	346	1249	346	307
135°	413	969	413	969	413	319
145°	479	786	479	786	479	300
155°	541	677	541	677	541	249
165°	584	630	584	630	584	165
175°	607	611	607	611	607	58
180°	607	607	607	607	607	



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2783.1	2783.1	2798.7	2803.9	2803.9	2796.1	2788.3	2796.1	2819.7	2827.5	2824.9
5°	2772.6	2793.5	2822.2	2827.5	2832.7	2830.0	2824.9	2830.0	2856.2	2861.4	2864.0
7.5°	2751.8	2790.9	2827.5	2835.3	2843.2	2835.3	2832.7	2837.9	2864.0	2869.3	2869.3
10°	2725.6	2780.4	2822.2	2827.5	2835.3	2827.5	2827.5	2837.9	2864.0	2869.3	2871.8
12.5°	2689.0	2764.8	2803.9	2809.2	2819.7	2817.0	2814.4	2824.9	2851.0	2856.2	2856.2
15°	2647.3	2736.1	2772.6	2777.9	2796.1	2790.9	2790.9	2801.4	2830.0	2837.9	2835.3
17.5°	2589.8	2699.5	2741.3	2749.1	2762.2	2759.6	2762.2	2772.6	2798.7	2803.9	2806.6
20°	2524.6	2649.9	2699.5	2707.3	2720.5	2720.5	2720.5	2733.5	2759.6	2770.1	2770.1
22.5°	2435.8	2597.7	2649.9	2655.2	2670.8	2670.8	2676.0	2694.3	2717.8	2720.5	2720.5
25°	2331.4	2540.2	2584.6	2600.3	2616.0	2623.8	2631.6	2642.1	2649.9	2647.3	2649.9
27.5°	2221.7	2467.1	2524.6	2535.0	2556.0	2563.8	2574.2	2576.8	2579.5	2587.3	2582.0
30°	2099.0	2365.4	2451.5	2462.0	2495.9	2501.1	2490.6	2495.9	2508.9	2514.2	2519.4
32.5°	1960.7	2213.9	2375.8	2399.3	2430.6	2415.0	2412.3	2420.2	2441.1	2441.1	2446.3
35°	1772.7	2096.4	2305.3	2326.1	2349.7	2331.4	2341.9	2344.4	2357.6	2365.4	2362.7
37.5°	1566.5	1994.6	2232.2	2247.9	2266.2	2242.7	2258.3	2266.2	2276.5	2271.4	2271.4
40°	1383.7	1835.4	2146.0	2156.5	2172.1	2153.8	2169.5	2174.8	2180.0	2174.8	2172.1
42.5°	1247.9	1660.4	2054.6	2067.7	2057.3	2070.4	2075.6	2086.0	2078.2	2067.7	2067.7
45°	1143.5	1613.4	1955.4	1971.2	1955.4	1976.4	1984.2	1984.2	1960.7	1955.4	1952.9
47.5°	1109.6	1519.4	1856.3	1856.3	1848.4	1874.5	1887.6	1869.3	1845.8	1838.0	1838.0
50°	1107.0	1415.0	1720.5	1710.0	1746.6	1777.9	1764.9	1746.6	1728.3	1699.6	1699.6
52.5°	1005.2	1287.1	1545.5	1584.8	1642.2	1660.4	1639.6	1621.3	1590.0	1576.9	1566.5
55°	932.1	1154.0	1386.4	1464.6	1524.7	1548.2	1509.0	1490.8	1443.8	1436.0	1430.7
57.5°	916.4	960.7	1240.1	1339.3	1412.4	1409.8	1386.4	1352.4	1313.2	1305.3	1302.8
60°	840.7	694.5	1083.4	1200.9	1276.7	1268.8	1247.9	1216.6	1180.1	1174.8	1169.6
62.5°	762.3	503.9	905.9	1039.1	1146.1	1143.5	1125.2	1078.2	1052.1	1039.1	1028.6
65°	647.4	423.0	644.9	864.2	1018.2	1023.4	984.2	950.4	921.6	905.9	903.3
67.5°	493.4	344.6	436.0	720.5	895.5	890.3	840.7	825.0	788.4	780.6	764.9
70°	365.5	229.7	302.8	584.8	775.4	762.3	723.2	704.9	671.0	652.7	642.2
72.5°	302.8	185.3	221.9	454.3	652.7	637.1	603.1	582.2	553.5	537.8	527.4
75°	245.4	195.8	169.7	336.8	530.0	519.6	488.2	467.3	443.8	423.0	425.5
77.5°	180.1	182.8	135.8	248.0	420.3	404.7	386.4	360.3	349.9	329.0	329.0
80°	135.8	143.6	101.9	169.7	302.8	302.8	287.2	268.9	250.7	240.2	240.2
82.5°	91.4	91.4	75.7	107.0	206.3	198.4	188.0	182.8	172.3	167.1	167.1
85°	41.8	52.2	47.0	65.3	112.2	117.5	117.5	112.2	109.7	104.4	107.0
87.5°	13.0	23.5	28.8	36.6	57.4	60.1	62.6	62.6	62.6	65.3	65.3
90°	4.1	7.3	10.6	11.4	17.9	26.6	30.9	27.5	20.6	15.5	15.5
92.5°	16.3	44.0	71.7	78.6	110.6	153.0	174.3	152.7	109.7	77.4	74.3
95°	39.1	89.8	140.5	153.1	271.9	430.3	509.5	454.7	345.0	262.7	253.4
97.5°	67.6	112.2	157.0	168.2	366.3	630.3	762.4	727.8	658.4	606.4	588.7
100°	89.6	130.1	170.6	180.8	400.6	693.7	840.2	842.8	847.8	851.6	830.4
102.5°	108.4	146.2	184.0	193.5	416.3	713.6	862.2	906.4	994.7	1060.9	1042.8
105°	140.1	172.1	204.2	212.2	428.1	715.9	859.8	958.8	1156.8	1305.3	1295.6
107.5°	172.7	202.5	232.4	239.9	430.2	684.0	810.9	949.0	1225.2	1432.4	1434.8
110°	194.6	221.6	248.7	255.4	427.0	655.7	770.1	924.6	1233.3	1464.9	1475.1



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	216.3	242.0	267.6	274.1	427.1	631.1	733.1	891.1	1207.1	1444.2	1459.8
115°	248.9	272.6	296.3	302.2	431.1	602.9	688.7	841.0	1145.4	1373.7	1395.3
117.5°	281.0	302.5	324.1	329.5	439.1	585.1	658.1	795.5	1070.3	1276.4	1300.3
120°	299.8	320.0	340.4	345.4	445.6	579.2	646.0	771.4	1022.5	1210.8	1234.0
122.5°	318.0	338.5	358.9	364.1	454.9	576.0	636.6	749.6	975.7	1145.3	1168.2
125°	346.2	364.8	383.4	388.1	467.5	573.4	626.4	722.4	914.5	1058.5	1079.7
127.5°	369.0	387.8	406.6	411.3	480.2	572.0	617.8	700.3	865.2	988.9	1006.7
130°	381.2	401.4	421.8	426.8	489.4	572.8	614.5	687.9	834.8	944.8	961.3
132.5°	393.8	414.1	434.4	439.5	496.9	573.4	611.8	677.5	808.9	907.4	922.1
135°	412.6	431.1	449.4	454.1	505.0	572.8	606.8	661.9	771.9	854.4	867.2
137.5°	431.8	450.0	468.3	472.9	517.2	576.4	606.0	652.6	745.6	815.4	825.8
140°	447.6	464.5	481.3	485.5	524.7	577.0	603.2	643.4	723.7	784.0	793.7
142.5°	459.8	475.3	490.9	494.8	531.0	579.1	603.2	638.4	709.1	762.0	770.4
145°	478.6	492.1	505.8	509.1	539.2	579.2	599.1	628.0	685.8	729.0	735.4
147.5°	497.3	510.5	523.7	527.0	551.0	583.1	599.1	621.8	667.2	701.3	706.5
150°	509.5	521.5	533.4	536.4	557.3	585.2	599.1	618.3	656.7	685.5	689.7
152.5°	522.2	531.2	540.2	542.5	561.4	586.6	599.1	615.5	648.2	672.8	676.1
155°	540.8	547.5	554.3	555.9	570.4	589.5	599.1	612.2	638.1	657.7	659.9
157.5°	554.7	561.2	567.7	569.4	579.3	592.5	599.1	609.2	629.5	644.7	646.2
160°	564.0	569.2	574.2	575.5	583.4	593.9	599.1	607.8	625.1	638.1	639.0
162.5°	573.4	577.3	581.0	582.0	587.8	595.4	599.1	606.4	621.2	632.1	632.9
165°	583.6	587.1	590.4	591.3	593.9	597.3	599.1	604.4	614.8	622.7	623.6
167.5°	593.0	594.6	596.3	596.7	598.8	601.7	603.2	606.6	613.5	618.7	619.1
170°	599.1	600.7	602.4	602.8	602.9	603.1	603.2	606.6	613.5	618.7	618.7
172.5°	602.4	602.8	603.1	603.2	603.2	603.2	603.2	605.9	611.4	615.4	615.1
175°	606.8	606.8	606.8	606.8	605.6	604.0	603.2	604.9	608.3	610.9	610.9
177.5°	606.8	606.8	606.8	606.8	605.8	604.6	604.0	605.3	608.0	610.1	609.7
180°	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2830.0	2822.2	2830.0	2824.9	2827.5	2819.7	2796.1	2788.3	2796.1	2803.9	2803.9
5°	2864.0	2858.8	2864.0	2864.0	2861.4	2856.2	2830.0	2824.9	2830.0	2832.7	2827.5
7.5°	2874.5	2866.6	2874.5	2869.3	2869.3	2864.0	2837.9	2832.7	2835.3	2843.2	2835.3
10°	2874.5	2866.6	2874.5	2871.8	2869.3	2864.0	2837.9	2827.5	2827.5	2835.3	2827.5
12.5°	2861.4	2856.2	2861.4	2856.2	2856.2	2851.0	2824.9	2814.4	2817.0	2819.7	2809.2
15°	2840.5	2832.7	2840.5	2835.3	2837.9	2830.0	2801.4	2790.9	2790.9	2796.1	2777.9
17.5°	2809.2	2798.7	2809.2	2806.6	2803.9	2798.7	2772.6	2762.2	2759.6	2762.2	2749.1
20°	2772.6	2764.8	2772.6	2770.1	2770.1	2759.6	2733.5	2720.5	2720.5	2720.5	2707.3
22.5°	2715.2	2707.3	2715.2	2720.5	2720.5	2717.8	2694.3	2676.0	2670.8	2670.8	2655.2
25°	2649.9	2642.1	2649.9	2649.9	2647.3	2649.9	2642.1	2631.6	2623.8	2616.0	2600.3
27.5°	2587.3	2582.0	2587.3	2582.0	2587.3	2579.5	2576.8	2574.2	2563.8	2556.0	2535.0
30°	2524.6	2519.4	2524.6	2519.4	2514.2	2508.9	2495.9	2490.6	2501.1	2495.9	2462.0
32.5°	2446.3	2441.1	2446.3	2446.3	2441.1	2441.1	2420.2	2412.3	2415.0	2430.6	2399.3
35°	2365.4	2357.6	2365.4	2362.7	2365.4	2357.6	2344.4	2341.9	2331.4	2349.7	2326.1
37.5°	2271.4	2263.5	2271.4	2271.4	2271.4	2276.5	2266.2	2258.3	2242.7	2266.2	2247.9
40°	2174.8	2164.3	2174.8	2172.1	2174.8	2180.0	2174.8	2169.5	2153.8	2172.1	2156.5
42.5°	2065.1	2062.5	2065.1	2067.7	2067.7	2078.2	2086.0	2075.6	2070.4	2057.3	2067.7
45°	1947.6	1942.4	1947.6	1952.9	1955.4	1960.7	1984.2	1984.2	1976.4	1955.4	1971.2
47.5°	1822.3	1809.2	1822.3	1838.0	1838.0	1845.8	1869.3	1887.6	1874.5	1848.4	1856.3
50°	1689.2	1691.8	1689.2	1699.6	1699.6	1728.3	1746.6	1764.9	1777.9	1746.6	1710.0
52.5°	1558.7	1556.0	1558.7	1566.5	1576.9	1590.0	1621.3	1639.6	1660.4	1642.2	1584.8
55°	1428.1	1433.3	1428.1	1430.7	1436.0	1443.8	1490.8	1509.0	1548.2	1524.7	1464.6
57.5°	1297.5	1289.7	1297.5	1302.8	1305.3	1313.2	1352.4	1386.4	1409.8	1412.4	1339.3
60°	1146.1	1135.7	1146.1	1169.6	1174.8	1180.1	1216.6	1247.9	1268.8	1276.7	1200.9
62.5°	1013.0	994.7	1013.0	1028.6	1039.1	1052.1	1078.2	1125.2	1143.5	1146.1	1039.1
65°	872.0	864.2	872.0	903.3	905.9	921.6	950.4	984.2	1023.4	1018.2	864.2
67.5°	744.1	744.1	744.1	764.9	780.6	788.4	825.0	840.7	890.3	895.5	720.5
70°	626.6	624.0	626.6	642.2	652.7	671.0	704.9	723.2	762.3	775.4	584.8
72.5°	514.4	511.7	514.4	527.4	537.8	553.5	582.2	603.1	637.1	652.7	454.3
75°	415.2	409.9	415.2	425.5	423.0	443.8	467.3	488.2	519.6	530.0	336.8
77.5°	318.5	318.5	318.5	329.0	329.0	349.9	360.3	386.4	404.7	420.3	248.0
80°	237.6	234.9	237.6	240.2	240.2	250.7	268.9	287.2	302.8	302.8	169.7
82.5°	167.1	161.8	167.1	167.1	167.1	172.3	182.8	188.0	198.4	206.3	107.0
85°	104.4	104.4	104.4	107.0	104.4	109.7	112.2	117.5	117.5	112.2	65.3
87.5°	67.9	65.3	67.9	65.3	65.3	62.6	62.6	62.6	60.1	57.4	36.6
90°	15.5	15.5	15.5	15.5	15.5	20.6	27.5	30.9	26.6	17.9	11.4
92.5°	61.9	49.7	61.9	74.3	77.4	109.7	152.7	174.3	153.0	110.6	78.6
95°	216.1	178.8	216.1	253.4	262.7	345.0	454.7	509.5	430.3	271.9	153.1
97.5°	517.7	446.8	517.7	588.7	606.4	658.4	727.8	762.4	630.3	366.3	168.2
100°	745.9	661.4	745.9	830.4	851.6	847.8	842.8	840.2	693.7	400.6	180.8
102.5°	970.4	898.0	970.4	1042.8	1060.9	994.7	906.4	862.2	713.6	416.3	193.5
105°	1256.6	1217.7	1256.6	1295.6	1305.3	1156.8	958.8	859.8	715.9	428.1	212.2
107.5°	1444.2	1453.5	1444.2	1434.8	1432.4	1225.2	949.0	810.9	684.0	430.2	239.9
110°	1515.6	1556.2	1515.6	1475.1	1464.9	1233.3	924.6	770.1	655.7	427.0	255.4



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1522.0	1584.3	1522.0	1459.8	1444.2	1207.1	891.1	733.1	631.1	427.1	274.1
115°	1481.6	1568.0	1481.6	1395.3	1373.7	1145.4	841.0	688.7	602.9	431.1	302.2
117.5°	1396.1	1491.9	1396.1	1300.3	1276.4	1070.3	795.5	658.1	585.1	439.1	329.5
120°	1327.1	1420.2	1327.1	1234.0	1210.8	1022.5	771.4	646.0	579.2	445.6	345.4
122.5°	1260.0	1351.8	1260.0	1168.2	1145.3	975.7	749.6	636.6	576.0	454.9	364.1
125°	1164.2	1248.7	1164.2	1079.7	1058.5	914.5	722.4	626.4	573.4	467.5	388.1
127.5°	1078.0	1149.3	1078.0	1006.7	988.9	865.2	700.3	617.8	572.0	480.2	411.3
130°	1027.2	1093.1	1027.2	961.3	944.8	834.8	687.9	614.5	572.8	489.4	426.8
132.5°	981.2	1040.2	981.2	922.1	907.4	808.9	677.5	611.8	573.4	496.9	439.5
135°	918.0	968.9	918.0	867.2	854.4	771.9	661.9	606.8	572.8	505.0	454.1
137.5°	867.5	909.1	867.5	825.8	815.4	745.6	652.6	606.0	576.4	517.2	472.9
140°	832.6	871.5	832.6	793.7	784.0	723.7	643.4	603.2	577.0	524.7	485.5
142.5°	803.8	837.3	803.8	770.4	762.0	709.1	638.4	603.2	579.1	531.0	494.8
145°	760.8	786.1	760.8	735.4	729.0	685.8	628.0	599.1	579.2	539.2	509.1
147.5°	727.6	748.6	727.6	706.5	701.3	667.2	621.8	599.1	583.1	551.0	527.0
150°	706.7	723.7	706.7	689.7	685.5	656.7	618.3	599.1	585.2	557.3	536.4
152.5°	688.9	701.8	688.9	676.1	672.8	648.2	615.5	599.1	586.6	561.4	542.5
155°	668.4	676.9	668.4	659.9	657.7	638.1	612.2	599.1	589.5	570.4	555.9
157.5°	652.2	658.1	652.2	646.2	644.7	629.5	609.2	599.1	592.5	579.3	569.4
160°	642.5	646.0	642.5	639.0	638.1	625.1	607.8	599.1	593.9	583.4	575.5
162.5°	636.2	639.4	636.2	632.9	632.1	621.2	606.4	599.1	595.4	587.8	582.0
165°	627.0	630.4	627.0	623.6	622.7	614.8	604.4	599.1	597.3	593.9	591.3
167.5°	620.5	621.9	620.5	619.1	618.7	613.5	606.6	603.2	601.7	598.8	596.7
170°	618.7	618.7	618.7	618.7	618.7	613.5	606.6	603.2	603.1	602.9	602.8
172.5°	613.8	612.6	613.8	615.1	615.4	611.4	605.9	603.2	603.2	603.2	603.2
175°	610.9	610.9	610.9	610.9	610.9	608.3	604.9	603.2	604.0	605.6	606.8
177.5°	608.3	606.8	608.3	609.7	610.1	608.0	605.3	604.0	604.6	605.8	606.8
180°	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2798.7	2783.1	2783.1	2757.0	2746.5	2738.7	2725.6	2686.5	2676.0	2665.6	2681.2
5°	2822.2	2793.5	2772.6	2725.6	2686.5	2670.8	2621.2	2527.2	2464.6	2417.5	2391.5
7.5°	2827.5	2790.9	2751.8	2678.7	2584.6	2542.9	2391.5	2219.1	2172.1	2130.4	2104.2
10°	2822.2	2780.4	2725.6	2616.0	2394.0	2321.0	2169.5	2057.3	2028.6	2020.8	2028.6
12.5°	2803.9	2764.8	2689.0	2506.4	2195.6	2146.0	2057.3	1992.0	1986.8	1999.8	2070.4
15°	2772.6	2736.1	2647.3	2360.1	2086.0	2049.4	1986.8	1963.3	1992.0	2083.4	2294.8
17.5°	2741.3	2699.5	2589.8	2216.6	2002.5	1976.4	1931.9	1979.0	2140.8	2263.5	2334.1
20°	2699.5	2649.9	2524.6	2112.1	1942.4	1918.9	1898.0	2109.5	2232.2	2276.5	2315.8
22.5°	2649.9	2597.7	2435.8	2039.0	1879.8	1861.5	1874.5	2182.6	2232.2	2263.5	2297.5
25°	2584.6	2540.2	2331.4	1981.5	1830.2	1809.2	1858.8	2174.8	2203.4	2211.3	2279.2
27.5°	2524.6	2467.1	2221.7	1929.4	1770.1	1762.3	1872.0	2140.8	2161.7	2169.5	2242.7
30°	2451.5	2365.4	2099.0	1874.5	1707.5	1704.8	1874.5	2099.0	2093.9	2114.7	2187.8
32.5°	2375.8	2213.9	1960.7	1806.7	1647.4	1644.8	1856.3	2036.4	2031.1	2059.9	2114.7
35°	2305.3	2096.4	1772.7	1728.3	1571.7	1574.3	1811.9	1963.3	1965.9	1992.0	2026.0
37.5°	2232.2	1994.6	1566.5	1642.2	1498.6	1498.6	1751.8	1895.4	1890.2	1898.0	1945.0
40°	2146.0	1835.4	1383.7	1529.9	1430.7	1422.8	1678.7	1822.3	1804.0	1801.4	1866.7
42.5°	2054.6	1660.4	1247.9	1381.1	1352.4	1341.9	1590.0	1733.5	1699.6	1707.5	1790.9
45°	1955.4	1613.4	1143.5	1167.0	1271.5	1263.7	1493.4	1631.7	1608.3	1629.1	1715.3
47.5°	1856.3	1519.4	1109.6	968.6	1185.3	1182.6	1386.4	1532.5	1519.4	1540.4	1631.7
50°	1720.5	1415.0	1107.0	830.2	1088.7	1099.2	1258.4	1436.0	1436.0	1454.2	1550.8
52.5°	1545.5	1287.1	1005.2	751.9	976.4	1007.8	1146.1	1352.4	1357.6	1375.9	1462.0
55°	1386.4	1154.0	932.1	691.9	843.3	911.1	1036.5	1266.2	1276.7	1295.0	1373.2
57.5°	1240.1	960.7	916.4	621.4	720.5	785.9	939.9	1182.6	1187.9	1203.6	1279.3
60°	1083.4	694.5	840.7	545.7	613.5	663.1	851.1	1083.4	1101.7	1112.2	1177.5
62.5°	905.9	503.9	762.3	493.4	561.3	571.8	778.0	989.5	1013.0	1020.8	1059.9
65°	644.9	423.0	647.4	449.0	506.4	509.1	699.7	892.9	913.8	926.8	955.5
67.5°	436.0	344.6	493.4	407.3	464.8	467.3	624.0	780.6	809.4	819.7	838.0
70°	302.8	229.7	365.5	362.9	417.7	423.0	543.0	678.8	704.9	712.7	723.2
72.5°	221.9	185.3	302.8	326.3	368.1	373.4	459.5	564.0	590.0	597.8	603.1
75°	169.7	195.8	245.4	284.5	313.3	315.9	375.9	459.5	477.8	483.0	485.6
77.5°	135.8	182.8	180.1	229.7	255.9	250.7	295.0	355.1	370.7	370.7	370.7
80°	101.9	143.6	135.8	164.5	188.0	182.8	211.4	253.2	258.5	263.7	261.0
82.5°	75.7	91.4	91.4	104.4	125.3	120.1	141.0	164.5	164.5	164.5	169.7
85°	47.0	52.2	41.8	54.8	70.4	67.9	78.3	88.7	91.4	91.4	86.2
87.5°	28.8	23.5	13.0	20.8	31.3	31.3	36.6	39.1	36.6	36.6	36.6
90°	10.6	7.3	4.1	7.3	10.6	11.4	17.9	26.6	30.9	27.5	20.6
92.5°	71.7	44.0	16.3	44.0	71.7	78.6	110.6	153.0	174.3	152.7	109.7
95°	140.5	89.8	39.1	89.8	140.5	153.1	271.9	430.3	509.5	454.7	345.0
97.5°	157.0	112.2	67.6	112.2	157.0	168.2	366.3	630.3	762.4	727.8	658.4
100°	170.6	130.1	89.6	130.1	170.6	180.8	400.6	693.7	840.2	842.8	847.8
102.5°	184.0	146.2	108.4	146.2	184.0	193.5	416.3	713.6	862.2	906.4	994.7
105°	204.2	172.1	140.1	172.1	204.2	212.2	428.1	715.9	859.8	958.8	1156.8
107.5°	232.4	202.5	172.7	202.5	232.4	239.9	430.2	684.0	810.9	949.0	1225.2
110°	248.7	221.6	194.6	221.6	248.7	255.4	427.0	655.7	770.1	924.6	1233.3



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	267.6	242.0	216.3	242.0	267.6	274.1	427.1	631.1	733.1	891.1	1207.1
115°	296.3	272.6	248.9	272.6	296.3	302.2	431.1	602.9	688.7	841.0	1145.4
117.5°	324.1	302.5	281.0	302.5	324.1	329.5	439.1	585.1	658.1	795.5	1070.3
120°	340.4	320.0	299.8	320.0	340.4	345.4	445.6	579.2	646.0	771.4	1022.5
122.5°	358.9	338.5	318.0	338.5	358.9	364.1	454.9	576.0	636.6	749.6	975.7
125°	383.4	364.8	346.2	364.8	383.4	388.1	467.5	573.4	626.4	722.4	914.5
127.5°	406.6	387.8	369.0	387.8	406.6	411.3	480.2	572.0	617.8	700.3	865.2
130°	421.8	401.4	381.2	401.4	421.8	426.8	489.4	572.8	614.5	687.9	834.8
132.5°	434.4	414.1	393.8	414.1	434.4	439.5	496.9	573.4	611.8	677.5	808.9
135°	449.4	431.1	412.6	431.1	449.4	454.1	505.0	572.8	606.8	661.9	771.9
137.5°	468.3	450.0	431.8	450.0	468.3	472.9	517.2	576.4	606.0	652.6	745.6
140°	481.3	464.5	447.6	464.5	481.3	485.5	524.7	577.0	603.2	643.4	723.7
142.5°	490.9	475.3	459.8	475.3	490.9	494.8	531.0	579.1	603.2	638.4	709.1
145°	505.8	492.1	478.6	492.1	505.8	509.1	539.2	579.2	599.1	628.0	685.8
147.5°	523.7	510.5	497.3	510.5	523.7	527.0	551.0	583.1	599.1	621.8	667.2
150°	533.4	521.5	509.5	521.5	533.4	536.4	557.3	585.2	599.1	618.3	656.7
152.5°	540.2	531.2	522.2	531.2	540.2	542.5	561.4	586.6	599.1	615.5	648.2
155°	554.3	547.5	540.8	547.5	554.3	555.9	570.4	589.5	599.1	612.2	638.1
157.5°	567.7	561.2	554.7	561.2	567.7	569.4	579.3	592.5	599.1	609.2	629.5
160°	574.2	569.2	564.0	569.2	574.2	575.5	583.4	593.9	599.1	607.8	625.1
162.5°	581.0	577.3	573.4	577.3	581.0	582.0	587.8	595.4	599.1	606.4	621.2
165°	590.4	587.1	583.6	587.1	590.4	591.3	593.9	597.3	599.1	604.4	614.8
167.5°	596.3	594.6	593.0	594.6	596.3	596.7	598.8	601.7	603.2	606.6	613.5
170°	602.4	600.7	599.1	600.7	602.4	602.8	602.9	603.1	603.2	606.6	613.5
172.5°	603.1	602.8	602.4	602.8	603.1	603.2	603.2	603.2	603.2	605.9	611.4
175°	606.8	606.8	606.8	606.8	606.8	606.8	605.6	604.0	603.2	604.9	608.3
177.5°	606.8	606.8	606.8	606.8	606.8	606.8	605.8	604.6	604.0	605.3	608.0
180°	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2663.0	2655.2	2665.6	2636.9	2665.6	2655.2	2663.0	2681.2	2665.6	2676.0	2686.5
5°	2336.6	2323.6	2281.8	2247.9	2281.8	2323.6	2336.6	2391.5	2417.5	2464.6	2527.2
7.5°	2088.6	2078.2	2067.7	2046.8	2067.7	2078.2	2088.6	2104.2	2130.4	2172.1	2219.1
10°	2033.8	2036.4	2052.1	2049.4	2052.1	2036.4	2033.8	2028.6	2020.8	2028.6	2057.3
12.5°	2174.8	2198.3	2284.5	2279.2	2284.5	2198.3	2174.8	2070.4	1999.8	1986.8	1992.0
15°	2336.6	2344.4	2362.7	2365.4	2362.7	2344.4	2336.6	2294.8	2083.4	1992.0	1963.3
17.5°	2352.3	2354.9	2367.9	2367.9	2367.9	2354.9	2352.3	2334.1	2263.5	2140.8	1979.0
20°	2339.3	2344.4	2370.6	2375.8	2370.6	2344.4	2339.3	2315.8	2276.5	2232.2	2109.5
22.5°	2334.1	2344.4	2365.4	2362.7	2365.4	2344.4	2334.1	2297.5	2263.5	2232.2	2182.6
25°	2307.9	2307.9	2310.5	2313.1	2310.5	2307.9	2307.9	2279.2	2211.3	2203.4	2174.8
27.5°	2253.1	2258.3	2274.0	2271.4	2274.0	2258.3	2253.1	2242.7	2169.5	2161.7	2140.8
30°	2203.4	2198.3	2185.2	2174.8	2185.2	2198.3	2203.4	2187.8	2114.7	2093.9	2099.0
32.5°	2120.0	2106.9	2093.9	2086.0	2093.9	2106.9	2120.0	2114.7	2059.9	2031.1	2036.4
35°	2020.8	2023.3	2020.8	2012.9	2020.8	2023.3	2020.8	2026.0	1992.0	1965.9	1963.3
37.5°	1950.2	1955.4	1952.9	1942.4	1952.9	1955.4	1950.2	1945.0	1898.0	1890.2	1895.4
40°	1877.1	1879.8	1877.1	1869.3	1877.1	1879.8	1877.1	1866.7	1801.4	1804.0	1822.3
42.5°	1806.7	1804.0	1796.2	1790.9	1796.2	1804.0	1806.7	1790.9	1707.5	1699.6	1733.5
45°	1725.7	1728.3	1712.7	1704.8	1712.7	1728.3	1725.7	1715.3	1629.1	1608.3	1631.7
47.5°	1644.8	1644.8	1631.7	1623.9	1631.7	1644.8	1644.8	1631.7	1540.4	1519.4	1532.5
50°	1558.7	1556.0	1537.7	1535.2	1537.7	1556.0	1558.7	1550.8	1454.2	1436.0	1436.0
52.5°	1459.4	1459.4	1462.0	1467.3	1462.0	1459.4	1459.4	1462.0	1375.9	1357.6	1352.4
55°	1373.2	1375.9	1394.2	1399.4	1394.2	1375.9	1373.2	1373.2	1295.0	1276.7	1266.2
57.5°	1284.5	1284.5	1297.5	1297.5	1297.5	1284.5	1284.5	1279.3	1203.6	1187.9	1182.6
60°	1182.6	1187.9	1198.3	1195.8	1198.3	1187.9	1182.6	1177.5	1112.2	1101.7	1083.4
62.5°	1075.6	1080.9	1083.4	1078.2	1083.4	1080.9	1075.6	1059.9	1020.8	1013.0	989.5
65°	963.4	968.6	971.2	966.0	971.2	968.6	963.4	955.5	926.8	913.8	892.9
67.5°	848.5	845.9	843.3	853.7	843.3	845.9	848.5	838.0	819.7	809.4	780.6
70°	731.0	731.0	728.4	733.6	728.4	731.0	731.0	723.2	712.7	704.9	678.8
72.5°	605.7	603.1	613.5	605.7	613.5	603.1	605.7	603.1	597.8	590.0	564.0
75°	483.0	488.2	483.0	490.8	483.0	488.2	483.0	485.6	483.0	477.8	459.5
77.5°	368.1	373.4	368.1	368.1	368.1	373.4	368.1	370.7	370.7	370.7	355.1
80°	261.0	258.5	258.5	255.9	258.5	258.5	261.0	261.0	263.7	258.5	253.2
82.5°	167.1	164.5	164.5	169.7	164.5	164.5	167.1	169.7	164.5	164.5	164.5
85°	91.4	94.0	88.7	88.7	88.7	94.0	91.4	86.2	91.4	91.4	88.7
87.5°	34.0	31.3	31.3	31.3	31.3	31.3	34.0	36.6	36.6	36.6	39.1
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	20.6	27.5	30.9	26.6
92.5°	77.4	74.3	61.9	49.7	61.9	74.3	77.4	109.7	152.7	174.3	153.0
95°	262.7	253.4	216.1	178.8	216.1	253.4	262.7	345.0	454.7	509.5	430.3
97.5°	606.4	588.7	517.7	446.8	517.7	588.7	606.4	658.4	727.8	762.4	630.3
100°	851.6	830.4	745.9	661.4	745.9	830.4	851.6	847.8	842.8	840.2	693.7
102.5°	1060.9	1042.8	970.4	898.0	970.4	1042.8	1060.9	994.7	906.4	862.2	713.6
105°	1305.3	1295.6	1256.6	1217.7	1256.6	1295.6	1305.3	1156.8	958.8	859.8	715.9
107.5°	1432.4	1434.8	1444.2	1453.5	1444.2	1434.8	1432.4	1225.2	949.0	810.9	684.0
110°	1464.9	1475.1	1515.6	1556.2	1515.6	1475.1	1464.9	1233.3	924.6	770.1	655.7



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1444.2	1459.8	1522.0	1584.3	1522.0	1459.8	1444.2	1207.1	891.1	733.1	631.1
115°	1373.7	1395.3	1481.6	1568.0	1481.6	1395.3	1373.7	1145.4	841.0	688.7	602.9
117.5°	1276.4	1300.3	1396.1	1491.9	1396.1	1300.3	1276.4	1070.3	795.5	658.1	585.1
120°	1210.8	1234.0	1327.1	1420.2	1327.1	1234.0	1210.8	1022.5	771.4	646.0	579.2
122.5°	1145.3	1168.2	1260.0	1351.8	1260.0	1168.2	1145.3	975.7	749.6	636.6	576.0
125°	1058.5	1079.7	1164.2	1248.7	1164.2	1079.7	1058.5	914.5	722.4	626.4	573.4
127.5°	988.9	1006.7	1078.0	1149.3	1078.0	1006.7	988.9	865.2	700.3	617.8	572.0
130°	944.8	961.3	1027.2	1093.1	1027.2	961.3	944.8	834.8	687.9	614.5	572.8
132.5°	907.4	922.1	981.2	1040.2	981.2	922.1	907.4	808.9	677.5	611.8	573.4
135°	854.4	867.2	918.0	968.9	918.0	867.2	854.4	771.9	661.9	606.8	572.8
137.5°	815.4	825.8	867.5	909.1	867.5	825.8	815.4	745.6	652.6	606.0	576.4
140°	784.0	793.7	832.6	871.5	832.6	793.7	784.0	723.7	643.4	603.2	577.0
142.5°	762.0	770.4	803.8	837.3	803.8	770.4	762.0	709.1	638.4	603.2	579.1
145°	729.0	735.4	760.8	786.1	760.8	735.4	729.0	685.8	628.0	599.1	579.2
147.5°	701.3	706.5	727.6	748.6	727.6	706.5	701.3	667.2	621.8	599.1	583.1
150°	685.5	689.7	706.7	723.7	706.7	689.7	685.5	656.7	618.3	599.1	585.2
152.5°	672.8	676.1	688.9	701.8	688.9	676.1	672.8	648.2	615.5	599.1	586.6
155°	657.7	659.9	668.4	676.9	668.4	659.9	657.7	638.1	612.2	599.1	589.5
157.5°	644.7	646.2	652.2	658.1	652.2	646.2	644.7	629.5	609.2	599.1	592.5
160°	638.1	639.0	642.5	646.0	642.5	639.0	638.1	625.1	607.8	599.1	593.9
162.5°	632.1	632.9	636.2	639.4	636.2	632.9	632.1	621.2	606.4	599.1	595.4
165°	622.7	623.6	627.0	630.4	627.0	623.6	622.7	614.8	604.4	599.1	597.3
167.5°	618.7	619.1	620.5	621.9	620.5	619.1	618.7	613.5	606.6	603.2	601.7
170°	618.7	618.7	618.7	618.7	618.7	618.7	618.7	613.5	606.6	603.2	603.1
172.5°	615.4	615.1	613.8	612.6	613.8	615.1	615.4	611.4	605.9	603.2	603.2
175°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	608.3	604.9	603.2	604.0
177.5°	610.1	609.7	608.3	606.8	608.3	609.7	610.1	608.0	605.3	604.0	604.6
180°	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2725.6	2738.7	2746.5	2757.0	2783.1
5°	2621.2	2670.8	2686.5	2725.6	2772.6
7.5°	2391.5	2542.9	2584.6	2678.7	2751.8
10°	2169.5	2321.0	2394.0	2616.0	2725.6
12.5°	2057.3	2146.0	2195.6	2506.4	2689.0
15°	1986.8	2049.4	2086.0	2360.1	2647.3
17.5°	1931.9	1976.4	2002.5	2216.6	2589.8
20°	1898.0	1918.9	1942.4	2112.1	2524.6
22.5°	1874.5	1861.5	1879.8	2039.0	2435.8
25°	1858.8	1809.2	1830.2	1981.5	2331.4
27.5°	1872.0	1762.3	1770.1	1929.4	2221.7
30°	1874.5	1704.8	1707.5	1874.5	2099.0
32.5°	1856.3	1644.8	1647.4	1806.7	1960.7
35°	1811.9	1574.3	1571.7	1728.3	1772.7
37.5°	1751.8	1498.6	1498.6	1642.2	1566.5
40°	1678.7	1422.8	1430.7	1529.9	1383.7
42.5°	1590.0	1341.9	1352.4	1381.1	1247.9
45°	1493.4	1263.7	1271.5	1167.0	1143.5
47.5°	1386.4	1182.6	1185.3	968.6	1109.6
50°	1258.4	1099.2	1088.7	830.2	1107.0
52.5°	1146.1	1007.8	976.4	751.9	1005.2
55°	1036.5	911.1	843.3	691.9	932.1
57.5°	939.9	785.9	720.5	621.4	916.4
60°	851.1	663.1	613.5	545.7	840.7
62.5°	778.0	571.8	561.3	493.4	762.3
65°	699.7	509.1	506.4	449.0	647.4
67.5°	624.0	467.3	464.8	407.3	493.4
70°	543.0	423.0	417.7	362.9	365.5
72.5°	459.5	373.4	368.1	326.3	302.8
75°	375.9	315.9	313.3	284.5	245.4
77.5°	295.0	250.7	255.9	229.7	180.1
80°	211.4	182.8	188.0	164.5	135.8
82.5°	141.0	120.1	125.3	104.4	91.4
85°	78.3	67.9	70.4	54.8	41.8
87.5°	36.6	31.3	31.3	20.8	13.0
90°	17.9	11.4	10.6	7.3	4.1
92.5°	110.6	78.6	71.7	44.0	16.3
95°	271.9	153.1	140.5	89.8	39.1
97.5°	366.3	168.2	157.0	112.2	67.6
100°	400.6	180.8	170.6	130.1	89.6
102.5°	416.3	193.5	184.0	146.2	108.4
105°	428.1	212.2	204.2	172.1	140.1
107.5°	430.2	239.9	232.4	202.5	172.7
110°	427.0	255.4	248.7	221.6	194.6



TEST NUMBER: P934420

CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	427.1	274.1	267.6	242.0	216.3
115°	431.1	302.2	296.3	272.6	248.9
117.5°	439.1	329.5	324.1	302.5	281.0
120°	445.6	345.4	340.4	320.0	299.8
122.5°	454.9	364.1	358.9	338.5	318.0
125°	467.5	388.1	383.4	364.8	346.2
127.5°	480.2	411.3	406.6	387.8	369.0
130°	489.4	426.8	421.8	401.4	381.2
132.5°	496.9	439.5	434.4	414.1	393.8
135°	505.0	454.1	449.4	431.1	412.6
137.5°	517.2	472.9	468.3	450.0	431.8
140°	524.7	485.5	481.3	464.5	447.6
142.5°	531.0	494.8	490.9	475.3	459.8
145°	539.2	509.1	505.8	492.1	478.6
147.5°	551.0	527.0	523.7	510.5	497.3
150°	557.3	536.4	533.4	521.5	509.5
152.5°	561.4	542.5	540.2	531.2	522.2
155°	570.4	555.9	554.3	547.5	540.8
157.5°	579.3	569.4	567.7	561.2	554.7
160°	583.4	575.5	574.2	569.2	564.0
162.5°	587.8	582.0	581.0	577.3	573.4
165°	593.9	591.3	590.4	587.1	583.6
167.5°	598.8	596.7	596.3	594.6	593.0
170°	602.9	602.8	602.4	600.7	599.1
172.5°	603.2	603.2	603.1	602.8	602.4
175°	605.6	606.8	606.8	606.8	606.8
177.5°	605.8	606.8	606.8	606.8	606.8
180°	606.8	606.8	606.8	606.8	606.8



TEST NUMBER: P934420
 CATALOG NUMBER: SQ4-FA-050U-100D-840-1D-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	14.91	15.92	15.73	16.76	17.81	17.75	18.76	18.57	19.60	20.65
	3H	15.40	16.30	16.23	17.16	18.23	19.11	20.01	19.94	20.86	21.94
	4H	15.59	16.45	16.45	17.31	18.40	19.56	20.41	20.41	21.27	22.36
	6H	15.72	16.51	16.58	17.38	18.48	19.85	20.64	20.72	21.51	22.61
	8H	15.73	16.48	16.60	17.36	18.46	19.93	20.68	20.80	21.57	22.67
	12H	15.70	16.42	16.58	17.30	18.42	19.98	20.69	20.86	21.57	22.70
4H	2H	15.96	16.82	16.82	17.68	18.76	18.17	19.03	19.03	19.89	20.97
	3H	17.00	17.71	17.87	18.61	19.71	19.70	20.41	20.56	21.30	22.40
	4H	17.28	17.93	18.16	18.82	19.95	20.23	20.88	21.11	21.77	22.90
	6H	17.42	17.98	18.31	18.89	20.02	20.61	21.17	21.50	22.08	23.21
	8H	17.43	17.95	18.32	18.86	20.00	20.72	21.24	21.62	22.15	23.29
	12H	17.40	17.87	18.32	18.80	19.95	20.78	21.25	21.70	22.18	23.33
8H	4H	17.75	18.27	18.65	19.18	20.33	20.37	20.89	21.27	21.80	22.94
	6H	18.02	18.45	18.94	19.40	20.55	20.81	21.25	21.74	22.20	23.34
	8H	18.06	18.45	19.00	19.39	20.55	20.97	21.35	21.90	22.29	23.45
	12H	18.05	18.39	18.99	19.33	20.54	21.07	21.41	22.01	22.35	23.56
12H	4H	17.76	18.24	18.68	19.16	20.31	20.34	20.81	21.26	21.74	22.89
	6H	18.08	18.47	19.02	19.41	20.57	20.81	21.19	21.75	22.14	23.30
	8H	18.15	18.49	19.09	19.43	20.64	20.98	21.32	21.92	22.25	23.46