

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: P934313

Luminaire Tested: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934313
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

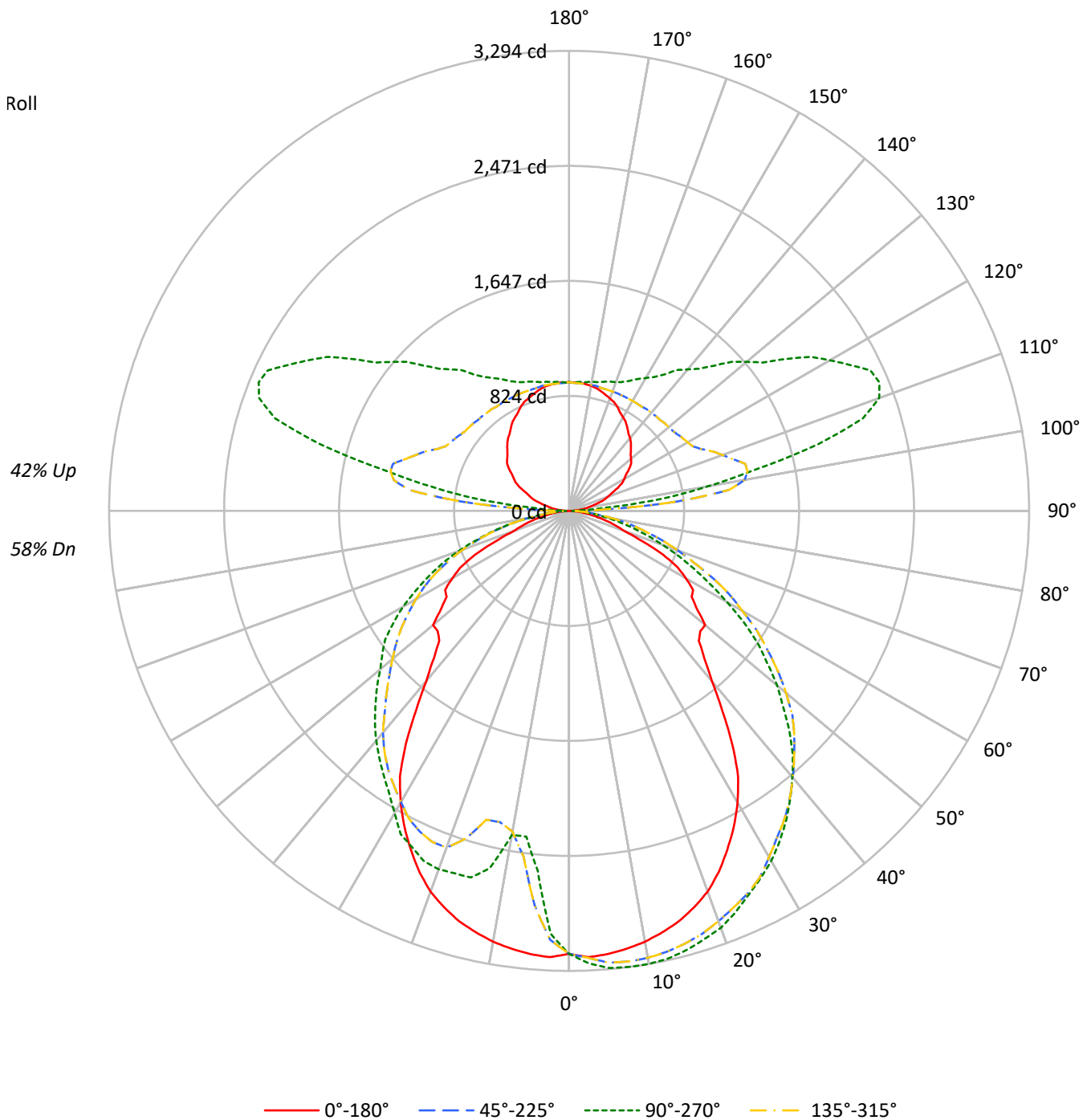
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14197.9 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 109.2
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: P934313
CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58			58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49			49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41			41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35			35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30			30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26			26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23			23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20			20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18			18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16			16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15			15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9885	9901	9885	7785
10°	9823	9753	9823	6973
15°	9720	9542	9720	7968
20°	9520	9292	9520	7984
25°	9108	8926	9108	7815
30°	8573	8623	8573	7443
35°	7647	8240	7647	7035
40°	6375	7788	6375	6727
45°	5700	7260	5700	6372
50°	6061	6630	6061	6016
55°	5708	5951	5708	5810
60°	5891	5054	5891	5321
65°	5350	4178	5350	4670
70°	3713	3330	3713	3915
75°	3268	2461	3268	2947
80°	2653	1627	2653	1772
85°	1555	862	1555	733

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	2.0
10°-20°	812.7	5.7
20°-30°	1256.3	8.8
30°-40°	1499.8	10.6
40°-50°	1508.6	10.6
50°-60°	1312.6	9.2
60°-70°	930.7	6.6
70°-80°	492.4	3.5
80°-90°	126.1	0.9
90°-100°	449.1	3.2
100°-110°	1180.7	8.3
110°-120°	1224.2	8.6
120°-130°	982.0	6.9
130°-140°	770.5	5.4
140°-150°	591.4	4.2
150°-160°	425.9	3.0
160°-170°	260.6	1.8
170°-180°	88.0	0.6
0°-30°	2355.3	16.6
0°-40°	3855.1	27.2
0°-60°	6676.2	47.0
0°-90°	8225.4	57.9
90°-120°	2854.0	20.1
90°-150°	5197.9	36.6
90°-180°	5972.0	42.1
0°-180°	14197.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3171	3171	3171	3171	3171	
5°	3186	3285	3186	2583	3186	302
15°	3042	3255	3042	2718	3042	856
25°	2679	3036	2679	2658	2679	1230
35°	2037	2709	2037	2313	2037	1260
45°	1314	2232	1314	1959	1314	1053
55°	1071	1647	1071	1608	1071	984
65°	744	993	744	1110	744	711
75°	282	471	282	564	282	296
85°	48	120	48	102	48	65
90°	6	24	6	24	6	7
95°	59	271	59	271	59	66
105°	213	1849	213	1849	213	226
115°	378	2381	378	2381	378	373
125°	526	1896	526	1896	526	467
135°	626	1471	626	1471	626	485
145°	726	1193	726	1193	726	455
155°	821	1028	821	1028	821	377
165°	886	957	886	957	886	250
175°	921	928	921	928	921	87
180°	921	921	921	921	921	



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3198.1	3198.1	3216.1	3222.1	3222.1	3213.1	3204.1	3213.1	3240.1	3249.1	3246.1
5°	3186.1	3210.1	3243.1	3249.1	3255.1	3252.1	3246.1	3252.1	3282.1	3288.1	3291.1
7.5°	3162.1	3207.1	3249.1	3258.1	3267.1	3258.1	3255.1	3261.1	3291.1	3297.1	3297.1
10°	3132.1	3195.1	3243.1	3249.1	3258.1	3249.1	3249.1	3261.1	3291.1	3297.1	3300.1
12.5°	3090.1	3177.1	3222.1	3228.1	3240.1	3237.1	3234.1	3246.1	3276.1	3282.1	3282.1
15°	3042.1	3144.1	3186.1	3192.1	3213.1	3207.1	3207.1	3219.1	3252.1	3261.1	3258.1
17.5°	2976.1	3102.1	3150.1	3159.1	3174.1	3171.1	3174.1	3186.1	3216.1	3222.1	3225.1
20°	2901.1	3045.1	3102.1	3111.1	3126.1	3126.1	3126.1	3141.1	3171.1	3183.1	3183.1
22.5°	2799.1	2985.1	3045.1	3051.1	3069.1	3069.1	3075.1	3096.1	3123.1	3126.1	3126.1
25°	2679.1	2919.1	2970.1	2988.1	3006.1	3015.1	3024.1	3036.1	3045.1	3042.1	3045.1
27.5°	2553.0	2835.1	2901.1	2913.1	2937.1	2946.1	2958.1	2961.1	2964.1	2973.1	2967.1
30°	2412.0	2718.1	2817.1	2829.1	2868.1	2874.1	2862.1	2868.1	2883.1	2889.1	2895.1
32.5°	2253.0	2544.0	2730.1	2757.1	2793.1	2775.1	2772.1	2781.1	2805.1	2805.1	2811.1
35°	2037.0	2409.0	2649.1	2673.1	2700.1	2679.1	2691.1	2694.1	2709.1	2718.1	2715.1
37.5°	1800.0	2292.0	2565.0	2583.0	2604.0	2577.0	2595.0	2604.0	2616.0	2610.0	2610.0
40°	1590.0	2109.0	2466.0	2478.0	2496.0	2475.0	2493.0	2499.0	2505.0	2499.0	2496.0
42.5°	1434.0	1908.0	2361.0	2376.0	2364.0	2379.0	2385.0	2397.0	2388.0	2376.0	2376.0
45°	1314.0	1854.0	2247.0	2265.0	2247.0	2271.0	2280.0	2280.0	2253.0	2247.0	2244.0
47.5°	1275.0	1746.0	2133.0	2133.0	2124.0	2154.0	2169.0	2148.0	2121.0	2112.0	2112.0
50°	1272.0	1626.0	1977.0	1965.0	2007.0	2043.0	2028.0	2007.0	1986.0	1953.0	1953.0
52.5°	1155.0	1479.0	1776.0	1821.0	1887.0	1908.0	1884.0	1863.0	1827.0	1812.0	1800.0
55°	1071.0	1326.0	1593.0	1683.0	1752.0	1779.0	1734.0	1713.0	1659.0	1650.0	1644.0
57.5°	1053.0	1104.0	1425.0	1539.0	1623.0	1620.0	1593.0	1554.0	1509.0	1500.0	1497.0
60°	966.0	798.0	1245.0	1380.0	1467.0	1458.0	1434.0	1398.0	1356.0	1350.0	1344.0
62.5°	876.0	579.0	1041.0	1194.0	1317.0	1314.0	1293.0	1239.0	1209.0	1194.0	1182.0
65°	744.0	486.0	741.0	993.0	1170.0	1176.0	1131.0	1092.0	1059.0	1041.0	1038.0
67.5°	567.0	396.0	501.0	828.0	1029.0	1023.0	966.0	948.0	906.0	897.0	879.0
70°	420.0	264.0	348.0	672.0	891.0	876.0	831.0	810.0	771.0	750.0	738.0
72.5°	348.0	213.0	255.0	522.0	750.0	732.0	693.0	669.0	636.0	618.0	606.0
75°	282.0	225.0	195.0	387.0	609.0	597.0	561.0	537.0	510.0	486.0	489.0
77.5°	207.0	210.0	156.0	285.0	483.0	465.0	444.0	414.0	402.0	378.0	378.0
80°	156.0	165.0	117.0	195.0	348.0	348.0	330.0	309.0	288.0	276.0	276.0
82.5°	105.0	105.0	87.0	123.0	237.0	228.0	216.0	210.0	198.0	192.0	192.0
85°	48.0	60.0	54.0	75.0	129.0	135.0	135.0	129.0	126.0	120.0	123.0
87.5°	15.0	27.0	33.0	42.0	66.0	69.0	72.0	72.0	72.0	75.0	75.0
90°	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3	23.5	23.5
92.5°	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5	117.5	112.8
95°	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7	398.8	384.6
97.5°	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6	920.7	893.8
100°	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1	1292.9	1260.8
102.5°	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1	1610.7	1583.2
105°	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2	1981.7	1966.9
107.5°	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2	2174.7	2178.3
110°	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5	2224.1	2239.5



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7	2192.6	2216.2
115°	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9	2085.6	2118.4
117.5°	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9	1937.8	1974.1
120°	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4	1838.3	1873.6
122.5°	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3	1738.7	1773.5
125°	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3	1607.0	1639.1
127.5°	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5	1501.3	1528.4
130°	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4	1434.5	1459.5
132.5°	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0	1377.6	1400.0
135°	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0	1297.3	1316.6
137.5°	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0	1237.9	1253.7
140°	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8	1190.3	1205.1
142.5°	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5	1156.9	1169.6
145°	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1	1106.8	1116.4
147.5°	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1	1064.8	1072.8
150°	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9	1040.6	1047.1
152.5°	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2	1021.5	1026.4
155°	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9	998.6	1001.8
157.5°	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7	978.8	981.1
160°	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1	968.9	970.2
162.5°	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9	959.6	960.8
165°	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5	945.4	946.7
167.5°	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4	939.2	939.8
170°	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4	939.2	939.2
172.5°	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1	934.3	933.8
175°	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6	927.5	927.5
177.5°	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2	926.3	925.7
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3252.1	3243.1	3252.1	3246.1	3249.1	3240.1	3213.1	3204.1	3213.1	3222.1	3222.1
5°	3291.1	3285.1	3291.1	3291.1	3288.1	3282.1	3252.1	3246.1	3252.1	3255.1	3249.1
7.5°	3303.1	3294.1	3303.1	3297.1	3297.1	3291.1	3261.1	3255.1	3258.1	3267.1	3258.1
10°	3303.1	3294.1	3303.1	3300.1	3297.1	3291.1	3261.1	3249.1	3249.1	3258.1	3249.1
12.5°	3288.1	3282.1	3288.1	3282.1	3282.1	3276.1	3246.1	3234.1	3237.1	3240.1	3228.1
15°	3264.1	3255.1	3264.1	3258.1	3261.1	3252.1	3219.1	3207.1	3207.1	3213.1	3192.1
17.5°	3228.1	3216.1	3228.1	3225.1	3222.1	3216.1	3186.1	3174.1	3171.1	3174.1	3159.1
20°	3186.1	3177.1	3186.1	3183.1	3183.1	3171.1	3141.1	3126.1	3126.1	3126.1	3111.1
22.5°	3120.1	3111.1	3120.1	3126.1	3126.1	3123.1	3096.1	3075.1	3069.1	3069.1	3051.1
25°	3045.1	3036.1	3045.1	3045.1	3042.1	3045.1	3036.1	3024.1	3015.1	3006.1	2988.1
27.5°	2973.1	2967.1	2973.1	2967.1	2973.1	2964.1	2961.1	2958.1	2946.1	2937.1	2913.1
30°	2901.1	2895.1	2901.1	2895.1	2889.1	2883.1	2868.1	2862.1	2874.1	2868.1	2829.1
32.5°	2811.1	2805.1	2811.1	2811.1	2805.1	2805.1	2781.1	2772.1	2775.1	2793.1	2757.1
35°	2718.1	2709.1	2718.1	2715.1	2718.1	2709.1	2694.1	2691.1	2679.1	2700.1	2673.1
37.5°	2610.0	2601.0	2610.0	2610.0	2610.0	2616.0	2604.0	2595.0	2577.0	2604.0	2583.0
40°	2499.0	2487.0	2499.0	2496.0	2499.0	2505.0	2499.0	2493.0	2475.0	2496.0	2478.0
42.5°	2373.0	2370.0	2373.0	2376.0	2376.0	2388.0	2397.0	2385.0	2379.0	2364.0	2376.0
45°	2238.0	2232.0	2238.0	2244.0	2247.0	2253.0	2280.0	2280.0	2271.0	2247.0	2265.0
47.5°	2094.0	2079.0	2094.0	2112.0	2112.0	2121.0	2148.0	2169.0	2154.0	2124.0	2133.0
50°	1941.0	1944.0	1941.0	1953.0	1953.0	1986.0	2007.0	2028.0	2043.0	2007.0	1965.0
52.5°	1791.0	1788.0	1791.0	1800.0	1812.0	1827.0	1863.0	1884.0	1908.0	1887.0	1821.0
55°	1641.0	1647.0	1641.0	1644.0	1650.0	1659.0	1713.0	1734.0	1779.0	1752.0	1683.0
57.5°	1491.0	1482.0	1491.0	1497.0	1500.0	1509.0	1554.0	1593.0	1620.0	1623.0	1539.0
60°	1317.0	1305.0	1317.0	1344.0	1350.0	1356.0	1398.0	1434.0	1458.0	1467.0	1380.0
62.5°	1164.0	1143.0	1164.0	1182.0	1194.0	1209.0	1239.0	1293.0	1314.0	1317.0	1194.0
65°	1002.0	993.0	1002.0	1038.0	1041.0	1059.0	1092.0	1131.0	1176.0	1170.0	993.0
67.5°	855.0	855.0	855.0	879.0	897.0	906.0	948.0	966.0	1023.0	1029.0	828.0
70°	720.0	717.0	720.0	738.0	750.0	771.0	810.0	831.0	876.0	891.0	672.0
72.5°	591.0	588.0	591.0	606.0	618.0	636.0	669.0	693.0	732.0	750.0	522.0
75°	477.0	471.0	477.0	489.0	486.0	510.0	537.0	561.0	597.0	609.0	387.0
77.5°	366.0	366.0	366.0	378.0	378.0	402.0	414.0	444.0	465.0	483.0	285.0
80°	273.0	270.0	273.0	276.0	276.0	288.0	309.0	330.0	348.0	348.0	195.0
82.5°	192.0	186.0	192.0	192.0	192.0	198.0	210.0	216.0	228.0	237.0	123.0
85°	120.0	120.0	120.0	123.0	120.0	126.0	129.0	135.0	135.0	129.0	75.0
87.5°	78.0	75.0	78.0	75.0	75.0	72.0	72.0	72.0	69.0	66.0	42.0
90°	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4	27.2	17.3
92.5°	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3	167.7	119.3
95°	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3	412.8	232.5
97.5°	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0	556.1	255.4
100°	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1	608.2	274.5
102.5°	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4	632.1	293.7
105°	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8	649.8	322.1
107.5°	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5	653.2	364.2
110°	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6	648.2	387.7



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1	648.4	416.1
115°	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2	654.4	458.8
117.5°	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3	666.5	500.2
120°	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3	676.4	524.3
122.5°	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5	690.7	552.8
125°	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6	709.9	589.3
127.5°	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3	729.0	624.5
130°	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7	743.0	648.0
132.5°	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6	754.4	667.2
135°	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8	766.7	689.4
137.5°	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2	785.3	717.9
140°	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0	796.6	737.0
142.5°	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2	806.1	751.3
145°	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2	818.5	772.9
147.5°	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3	836.6	800.1
150°	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4	846.1	814.3
152.5°	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5	852.3	823.6
155°	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0	865.9	844.0
157.5°	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6	879.5	864.4
160°	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6	885.7	873.7
162.5°	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8	892.3	883.6
165°	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0	901.7	897.8
167.5°	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5	909.1	905.8
170°	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6	915.3	915.1
172.5°	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9	919.4	921.3
177.5°	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0	919.9	921.3
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3216.1	3198.1	3198.1	3168.1	3156.1	3147.1	3132.1	3087.1	3075.1	3063.1	3081.1
5°	3243.1	3210.1	3186.1	3132.1	3087.1	3069.1	3012.1	2904.1	2832.1	2778.1	2748.1
7.5°	3249.1	3207.1	3162.1	3078.1	2970.1	2922.1	2748.1	2550.0	2496.0	2448.0	2418.0
10°	3243.1	3195.1	3132.1	3006.1	2751.1	2667.1	2493.0	2364.0	2331.0	2322.0	2331.0
12.5°	3222.1	3177.1	3090.1	2880.1	2523.0	2466.0	2364.0	2289.0	2283.0	2298.0	2379.0
15°	3186.1	3144.1	3042.1	2712.1	2397.0	2355.0	2283.0	2256.0	2289.0	2394.0	2637.0
17.5°	3150.1	3102.1	2976.1	2547.0	2301.0	2271.0	2220.0	2274.0	2460.0	2601.0	2682.1
20°	3102.1	3045.1	2901.1	2427.0	2232.0	2205.0	2181.0	2424.0	2565.0	2616.0	2661.1
22.5°	3045.1	2985.1	2799.1	2343.0	2160.0	2139.0	2154.0	2508.0	2565.0	2601.0	2640.0
25°	2970.1	2919.1	2679.1	2277.0	2103.0	2079.0	2136.0	2499.0	2532.0	2541.0	2619.0
27.5°	2901.1	2835.1	2553.0	2217.0	2034.0	2025.0	2151.0	2460.0	2484.0	2493.0	2577.0
30°	2817.1	2718.1	2412.0	2154.0	1962.0	1959.0	2154.0	2412.0	2406.0	2430.0	2514.0
32.5°	2730.1	2544.0	2253.0	2076.0	1893.0	1890.0	2133.0	2340.0	2334.0	2367.0	2430.0
35°	2649.1	2409.0	2037.0	1986.0	1806.0	1809.0	2082.0	2256.0	2259.0	2289.0	2328.0
37.5°	2565.0	2292.0	1800.0	1887.0	1722.0	1722.0	2013.0	2178.0	2172.0	2181.0	2235.0
40°	2466.0	2109.0	1590.0	1758.0	1644.0	1635.0	1929.0	2094.0	2073.0	2070.0	2145.0
42.5°	2361.0	1908.0	1434.0	1587.0	1554.0	1542.0	1827.0	1992.0	1953.0	1962.0	2058.0
45°	2247.0	1854.0	1314.0	1341.0	1461.0	1452.0	1716.0	1875.0	1848.0	1872.0	1971.0
47.5°	2133.0	1746.0	1275.0	1113.0	1362.0	1359.0	1593.0	1761.0	1746.0	1770.0	1875.0
50°	1977.0	1626.0	1272.0	954.0	1251.0	1263.0	1446.0	1650.0	1650.0	1671.0	1782.0
52.5°	1776.0	1479.0	1155.0	864.0	1122.0	1158.0	1317.0	1554.0	1560.0	1581.0	1680.0
55°	1593.0	1326.0	1071.0	795.0	969.0	1047.0	1191.0	1455.0	1467.0	1488.0	1578.0
57.5°	1425.0	1104.0	1053.0	714.0	828.0	903.0	1080.0	1359.0	1365.0	1383.0	1470.0
60°	1245.0	798.0	966.0	627.0	705.0	762.0	978.0	1245.0	1266.0	1278.0	1353.0
62.5°	1041.0	579.0	876.0	567.0	645.0	657.0	894.0	1137.0	1164.0	1173.0	1218.0
65°	741.0	486.0	744.0	516.0	582.0	585.0	804.0	1026.0	1050.0	1065.0	1098.0
67.5°	501.0	396.0	567.0	468.0	534.0	537.0	717.0	897.0	930.0	942.0	963.0
70°	348.0	264.0	420.0	417.0	480.0	486.0	624.0	780.0	810.0	819.0	831.0
72.5°	255.0	213.0	348.0	375.0	423.0	429.0	528.0	648.0	678.0	687.0	693.0
75°	195.0	225.0	282.0	327.0	360.0	363.0	432.0	528.0	549.0	555.0	558.0
77.5°	156.0	210.0	207.0	264.0	294.0	288.0	339.0	408.0	426.0	426.0	426.0
80°	117.0	165.0	156.0	189.0	216.0	210.0	243.0	291.0	297.0	303.0	300.0
82.5°	87.0	105.0	105.0	120.0	144.0	138.0	162.0	189.0	189.0	189.0	195.0
85°	54.0	60.0	48.0	63.0	81.0	78.0	90.0	102.0	105.0	105.0	99.0
87.5°	33.0	27.0	15.0	24.0	36.0	36.0	42.0	45.0	42.0	42.0	42.0
90°	16.1	11.1	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3
92.5°	108.8	66.7	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5
95°	213.3	136.3	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7
97.5°	238.4	170.5	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6
100°	259.1	197.6	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1
102.5°	279.3	221.9	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1
105°	309.9	261.3	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2
107.5°	352.9	307.5	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2
110°	377.5	336.5	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	406.3	367.3	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7
115°	449.8	413.8	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9
117.5°	492.0	459.3	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9
120°	516.6	485.9	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4
122.5°	545.0	514.0	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3
125°	582.2	553.9	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3
127.5°	617.4	588.8	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5
130°	640.3	609.6	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4
132.5°	659.5	628.7	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0
135°	682.4	654.4	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0
137.5°	711.0	683.2	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0
140°	730.6	705.1	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8
142.5°	745.4	721.7	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5
145°	767.7	747.1	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1
147.5°	795.1	775.0	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1
150°	809.8	791.6	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9
152.5°	820.2	806.4	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2
155°	841.5	831.3	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9
157.5°	861.9	852.1	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7
160°	871.8	864.1	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1
162.5°	882.2	876.4	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9
165°	896.5	891.3	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5
167.5°	905.2	902.7	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4
170°	914.5	912.0	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4
172.5°	915.6	915.0	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1
175°	921.3	921.3	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6
177.5°	921.3	921.3	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3060.1	3051.1	3063.1	3030.1	3063.1	3051.1	3060.1	3081.1	3063.1	3075.1	3087.1
5°	2685.1	2670.1	2622.0	2583.0	2622.0	2670.1	2685.1	2748.1	2778.1	2832.1	2904.1
7.5°	2400.0	2388.0	2376.0	2352.0	2376.0	2388.0	2400.0	2418.0	2448.0	2496.0	2550.0
10°	2337.0	2340.0	2358.0	2355.0	2358.0	2340.0	2337.0	2331.0	2322.0	2331.0	2364.0
12.5°	2499.0	2526.0	2625.0	2619.0	2625.0	2526.0	2499.0	2379.0	2298.0	2283.0	2289.0
15°	2685.1	2694.1	2715.1	2718.1	2715.1	2694.1	2685.1	2637.0	2394.0	2289.0	2256.0
17.5°	2703.1	2706.1	2721.1	2721.1	2721.1	2706.1	2703.1	2682.1	2601.0	2460.0	2274.0
20°	2688.1	2694.1	2724.1	2730.1	2724.1	2694.1	2688.1	2661.1	2616.0	2565.0	2424.0
22.5°	2682.1	2694.1	2718.1	2715.1	2718.1	2694.1	2682.1	2640.0	2601.0	2565.0	2508.0
25°	2652.1	2652.1	2655.1	2658.1	2655.1	2652.1	2652.1	2619.0	2541.0	2532.0	2499.0
27.5°	2589.0	2595.0	2613.0	2610.0	2613.0	2595.0	2589.0	2577.0	2493.0	2484.0	2460.0
30°	2532.0	2526.0	2511.0	2499.0	2511.0	2526.0	2532.0	2514.0	2430.0	2406.0	2412.0
32.5°	2436.0	2421.0	2406.0	2397.0	2406.0	2421.0	2436.0	2430.0	2367.0	2334.0	2340.0
35°	2322.0	2325.0	2322.0	2313.0	2322.0	2325.0	2322.0	2328.0	2289.0	2259.0	2256.0
37.5°	2241.0	2247.0	2244.0	2232.0	2244.0	2247.0	2241.0	2235.0	2181.0	2172.0	2178.0
40°	2157.0	2160.0	2157.0	2148.0	2157.0	2160.0	2157.0	2145.0	2070.0	2073.0	2094.0
42.5°	2076.0	2073.0	2064.0	2058.0	2064.0	2073.0	2076.0	2058.0	1962.0	1953.0	1992.0
45°	1983.0	1986.0	1968.0	1959.0	1968.0	1986.0	1983.0	1971.0	1872.0	1848.0	1875.0
47.5°	1890.0	1890.0	1875.0	1866.0	1875.0	1890.0	1890.0	1875.0	1770.0	1746.0	1761.0
50°	1791.0	1788.0	1767.0	1764.0	1767.0	1788.0	1791.0	1782.0	1671.0	1650.0	1650.0
52.5°	1677.0	1677.0	1680.0	1686.0	1680.0	1677.0	1677.0	1680.0	1581.0	1560.0	1554.0
55°	1578.0	1581.0	1602.0	1608.0	1602.0	1581.0	1578.0	1578.0	1488.0	1467.0	1455.0
57.5°	1476.0	1476.0	1491.0	1491.0	1491.0	1476.0	1476.0	1470.0	1383.0	1365.0	1359.0
60°	1359.0	1365.0	1377.0	1374.0	1377.0	1365.0	1359.0	1353.0	1278.0	1266.0	1245.0
62.5°	1236.0	1242.0	1245.0	1239.0	1245.0	1242.0	1236.0	1218.0	1173.0	1164.0	1137.0
65°	1107.0	1113.0	1116.0	1110.0	1116.0	1113.0	1107.0	1098.0	1065.0	1050.0	1026.0
67.5°	975.0	972.0	969.0	981.0	969.0	972.0	975.0	963.0	942.0	930.0	897.0
70°	840.0	840.0	837.0	843.0	837.0	840.0	840.0	831.0	819.0	810.0	780.0
72.5°	696.0	693.0	705.0	696.0	705.0	693.0	696.0	693.0	687.0	678.0	648.0
75°	555.0	561.0	555.0	564.0	555.0	561.0	555.0	558.0	555.0	549.0	528.0
77.5°	423.0	429.0	423.0	423.0	423.0	429.0	423.0	426.0	426.0	426.0	408.0
80°	300.0	297.0	297.0	294.0	297.0	297.0	300.0	300.0	303.0	297.0	291.0
82.5°	192.0	189.0	189.0	195.0	189.0	189.0	192.0	195.0	189.0	189.0	189.0
85°	105.0	108.0	102.0	102.0	102.0	108.0	105.0	99.0	105.0	105.0	102.0
87.5°	39.0	36.0	36.0	36.0	36.0	36.0	39.0	42.0	42.0	42.0	45.0
90°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4
92.5°	117.5	112.8	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3
95°	398.8	384.6	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3
97.5°	920.7	893.8	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0
100°	1292.9	1260.8	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1
102.5°	1610.7	1583.2	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4
105°	1981.7	1966.9	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8
107.5°	2174.7	2178.3	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5
110°	2224.1	2239.5	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2192.6	2216.2	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1
115°	2085.6	2118.4	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2
117.5°	1937.8	1974.1	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3
120°	1838.3	1873.6	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3
122.5°	1738.7	1773.5	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5
125°	1607.0	1639.1	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6
127.5°	1501.3	1528.4	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3
130°	1434.5	1459.5	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7
132.5°	1377.6	1400.0	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6
135°	1297.3	1316.6	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8
137.5°	1237.9	1253.7	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2
140°	1190.3	1205.1	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0
142.5°	1156.9	1169.6	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2
145°	1106.8	1116.4	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2
147.5°	1064.8	1072.8	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3
150°	1040.6	1047.1	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4
152.5°	1021.5	1026.4	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5
155°	998.6	1001.8	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0
157.5°	978.8	981.1	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6
160°	968.9	970.2	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6
162.5°	959.6	960.8	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8
165°	945.4	946.7	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0
167.5°	939.2	939.8	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5
170°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6
172.5°	934.3	933.8	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9
177.5°	926.3	925.7	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934313
 CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3132.1	3147.1	3156.1	3168.1	3198.1
5°	3012.1	3069.1	3087.1	3132.1	3186.1
7.5°	2748.1	2922.1	2970.1	3078.1	3162.1
10°	2493.0	2667.1	2751.1	3006.1	3132.1
12.5°	2364.0	2466.0	2523.0	2880.1	3090.1
15°	2283.0	2355.0	2397.0	2712.1	3042.1
17.5°	2220.0	2271.0	2301.0	2547.0	2976.1
20°	2181.0	2205.0	2232.0	2427.0	2901.1
22.5°	2154.0	2139.0	2160.0	2343.0	2799.1
25°	2136.0	2079.0	2103.0	2277.0	2679.1
27.5°	2151.0	2025.0	2034.0	2217.0	2553.0
30°	2154.0	1959.0	1962.0	2154.0	2412.0
32.5°	2133.0	1890.0	1893.0	2076.0	2253.0
35°	2082.0	1809.0	1806.0	1986.0	2037.0
37.5°	2013.0	1722.0	1722.0	1887.0	1800.0
40°	1929.0	1635.0	1644.0	1758.0	1590.0
42.5°	1827.0	1542.0	1554.0	1587.0	1434.0
45°	1716.0	1452.0	1461.0	1341.0	1314.0
47.5°	1593.0	1359.0	1362.0	1113.0	1275.0
50°	1446.0	1263.0	1251.0	954.0	1272.0
52.5°	1317.0	1158.0	1122.0	864.0	1155.0
55°	1191.0	1047.0	969.0	795.0	1071.0
57.5°	1080.0	903.0	828.0	714.0	1053.0
60°	978.0	762.0	705.0	627.0	966.0
62.5°	894.0	657.0	645.0	567.0	876.0
65°	804.0	585.0	582.0	516.0	744.0
67.5°	717.0	537.0	534.0	468.0	567.0
70°	624.0	486.0	480.0	417.0	420.0
72.5°	528.0	429.0	423.0	375.0	348.0
75°	432.0	363.0	360.0	327.0	282.0
77.5°	339.0	288.0	294.0	264.0	207.0
80°	243.0	210.0	216.0	189.0	156.0
82.5°	162.0	138.0	144.0	120.0	105.0
85°	90.0	78.0	81.0	63.0	48.0
87.5°	42.0	36.0	36.0	24.0	15.0
90°	27.2	17.3	16.1	11.1	6.2
92.5°	167.7	119.3	108.8	66.7	24.7
95°	412.8	232.5	213.3	136.3	59.4
97.5°	556.1	255.4	238.4	170.5	102.6
100°	608.2	274.5	259.1	197.6	136.0
102.5°	632.1	293.7	279.3	221.9	164.5
105°	649.8	322.1	309.9	261.3	212.7
107.5°	653.2	364.2	352.9	307.5	262.2
110°	648.2	387.7	377.5	336.5	295.6



TEST NUMBER: P934313

CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	648.4	416.1	406.3	367.3	328.3
115°	654.4	458.8	449.8	413.8	377.8
117.5°	666.5	500.2	492.0	459.3	426.6
120°	676.4	524.3	516.6	485.9	455.1
122.5°	690.7	552.8	545.0	514.0	482.9
125°	709.9	589.3	582.2	553.9	525.6
127.5°	729.0	624.5	617.4	588.8	560.2
130°	743.0	648.0	640.3	609.6	578.8
132.5°	754.4	667.2	659.5	628.7	597.9
135°	766.7	689.4	682.4	654.4	626.4
137.5°	785.3	717.9	711.0	683.2	655.4
140°	796.6	737.0	730.6	705.1	679.5
142.5°	806.1	751.3	745.4	721.7	698.1
145°	818.5	772.9	767.7	747.1	726.5
147.5°	836.6	800.1	795.1	775.0	755.0
150°	846.1	814.3	809.8	791.6	773.5
152.5°	852.3	823.6	820.2	806.4	792.7
155°	865.9	844.0	841.5	831.3	821.1
157.5°	879.5	864.4	861.9	852.1	842.2
160°	885.7	873.7	871.8	864.1	856.4
162.5°	892.3	883.6	882.2	876.4	870.6
165°	901.7	897.8	896.5	891.3	886.1
167.5°	909.1	905.8	905.2	902.7	900.3
170°	915.3	915.1	914.5	912.0	909.6
172.5°	915.7	915.7	915.6	915.0	914.5
175°	919.4	921.3	921.3	921.3	921.3
177.5°	919.9	921.3	921.3	921.3	921.3
180°	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934313
 CATALOG NUMBER: SQ4-FA-050U-075D-835-1D-UNV-STD-W-12

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.45	14.38	14.33	15.29	16.44	16.30	17.24	17.18	18.14	19.29
	3H	13.93	14.77	14.83	15.69	16.86	17.66	18.50	18.55	19.41	20.59
	4H	14.12	14.92	15.04	15.84	17.03	18.11	18.90	19.02	19.82	21.01
	6H	14.25	14.98	15.17	15.91	17.11	18.40	19.13	19.33	20.06	21.26
	8H	14.25	14.95	15.18	15.89	17.09	18.48	19.18	19.41	20.12	21.32
	12H	14.22	14.89	15.16	15.83	17.05	18.53	19.19	19.46	20.13	21.35
4H	2H	14.49	15.29	15.41	16.21	17.40	16.72	17.51	17.63	18.43	19.62
	3H	15.53	16.19	16.46	17.14	18.35	18.23	18.90	19.16	19.85	21.05
	4H	15.81	16.41	16.75	17.36	18.59	18.77	19.37	19.71	20.32	21.55
	6H	15.94	16.46	16.89	17.43	18.66	19.15	19.67	20.10	20.64	21.87
	8H	15.94	16.43	16.90	17.39	18.64	19.26	19.74	20.21	20.71	21.95
	12H	15.91	16.35	16.89	17.34	18.58	19.32	19.76	20.30	20.74	21.99
8H	4H	16.27	16.76	17.23	17.72	18.96	18.90	19.39	19.86	20.35	21.59
	6H	16.54	16.94	17.52	17.94	19.18	19.35	19.75	20.33	20.75	22.00
	8H	16.58	16.93	17.57	17.93	19.19	19.50	19.86	20.49	20.85	22.11
	12H	16.57	16.88	17.56	17.87	19.17	19.61	19.92	20.60	20.91	22.22
12H	4H	16.28	16.72	17.26	17.70	18.95	18.87	19.31	19.84	20.29	21.54
	6H	16.60	16.95	17.59	17.95	19.21	19.34	19.70	20.33	20.69	21.95
	8H	16.67	16.98	17.66	17.97	19.28	19.51	19.82	20.51	20.81	22.12