

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: P934421

Luminaire Tested: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934421
REPORT IS A COMBINATION OF REPORTS P933697 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

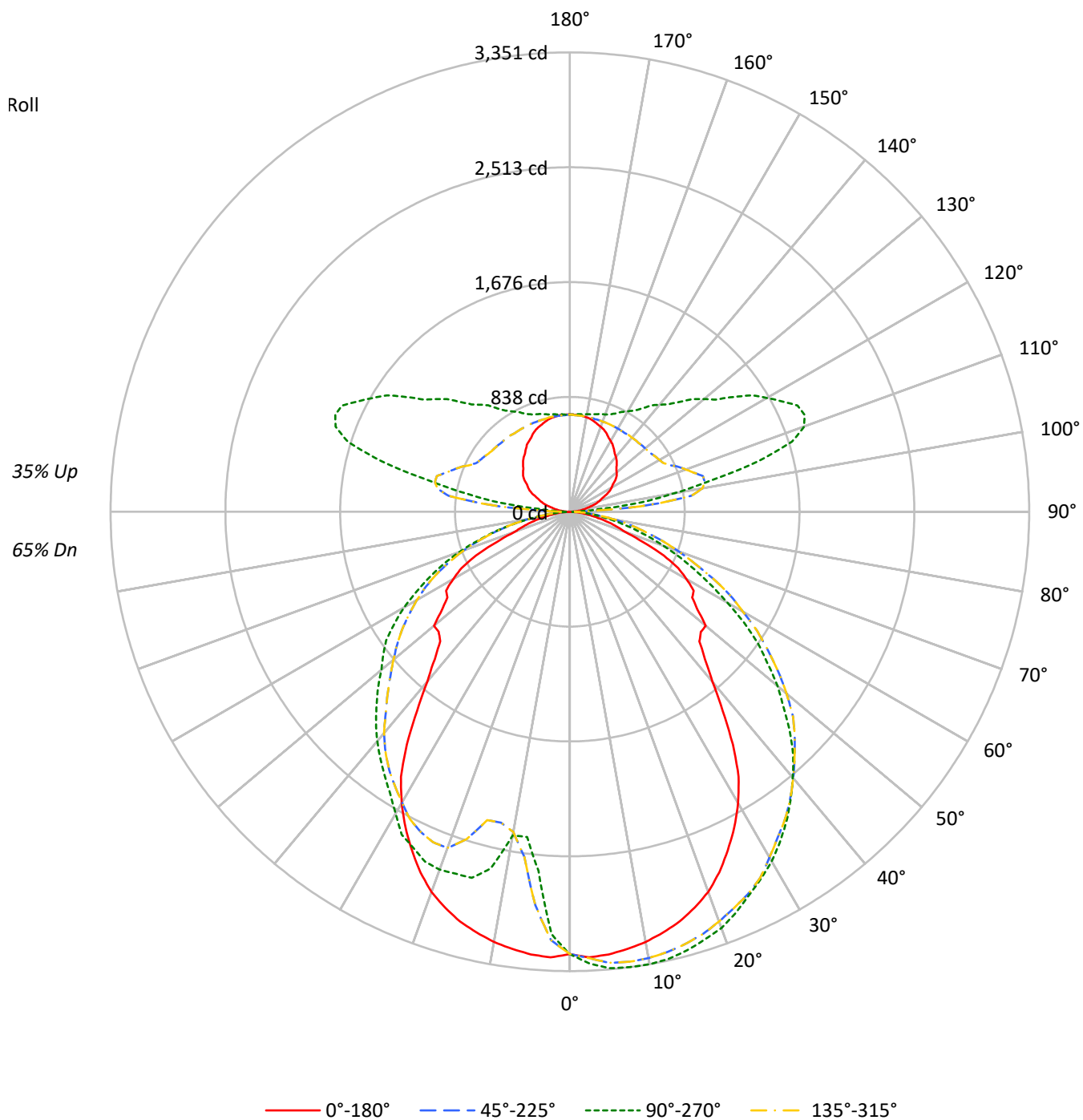
Lumens per Lamp: N/A
Luminaire Lumens: 12966.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 135.6
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: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65		
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55		
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46		
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39		
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33		
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29		
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25		
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22		
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20		
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18		
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10057	10073	10057	7920
10°	9993	9922	9993	7094
15°	9888	9707	9888	8105
20°	9685	9453	9685	8123
25°	9266	9081	9266	7950
30°	8722	8773	8722	7573
35°	7780	8383	7780	7157
40°	6486	7923	6486	6844
45°	5799	7386	5799	6483
50°	6166	6745	6166	6120
55°	5807	6054	5807	5911
60°	5993	5142	5993	5414
65°	5442	4250	5442	4752
70°	3778	3387	3778	3983
75°	3325	2504	3325	2999
80°	2699	1656	2699	1803
85°	1581	876	1581	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8882 cd/sqm

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	2.2
10°-20°	826.8	6.4
20°-30°	1278.1	9.9
30°-40°	1525.8	11.8
40°-50°	1534.7	11.8
50°-60°	1335.4	10.3
60°-70°	946.8	7.3
70°-80°	500.9	3.9
80°-90°	127.5	1.0
90°-100°	345.8	2.7
100°-110°	909.1	7.0
110°-120°	942.7	7.3
120°-130°	756.1	5.8
130°-140°	593.3	4.6
140°-150°	455.4	3.5
150°-160°	328.0	2.5
160°-170°	200.7	1.5
170°-180°	67.8	0.5
0°-30°	2396.1	18.5
0°-40°	3921.9	30.2
0°-60°	6792.0	52.4
0°-90°	8367.2	64.5
90°-120°	2197.6	16.9
90°-150°	4002.4	30.9
90°-180°	4599.0	35.5
0°-180°	12966.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3226	3226	3226	3226	3226	
5°	3241	3342	3241	2628	3241	307
15°	3095	3312	3095	2765	3095	871
25°	2726	3089	2726	2704	2726	1251
35°	2072	2756	2072	2353	2072	1282
45°	1337	2271	1337	1993	1337	1071
55°	1090	1676	1090	1636	1090	1001
65°	757	1010	757	1129	757	723
75°	287	479	287	574	287	302
85°	49	122	49	104	49	66
90°	5	18	5	18	5	6
95°	46	209	46	209	46	51
105°	164	1424	164	1424	164	174
115°	291	1833	291	1833	291	287
125°	405	1460	405	1460	405	359
135°	482	1133	482	1133	482	373
145°	559	919	559	919	559	350
155°	632	791	632	791	632	291
165°	682	737	682	737	682	193
175°	709	714	709	714	709	67
180°	709	709	709	709	709	

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3253.5	3253.5	3271.8	3277.9	3277.9	3268.7	3259.6	3268.7	3296.2	3305.4	3302.3
5°	3241.3	3265.7	3299.3	3305.4	3311.5	3308.5	3302.3	3308.5	3339.0	3345.0	3348.1
7.5°	3216.8	3262.6	3305.4	3314.5	3323.7	3314.5	3311.5	3317.6	3348.1	3354.2	3354.2
10°	3186.3	3250.5	3299.3	3305.4	3314.5	3305.4	3305.4	3317.6	3348.1	3354.2	3357.3
12.5°	3143.6	3232.2	3277.9	3284.0	3296.2	3293.1	3290.1	3302.3	3332.9	3339.0	3339.0
15°	3094.8	3198.6	3241.3	3247.4	3268.7	3262.6	3262.6	3274.9	3308.5	3317.6	3314.5
17.5°	3027.6	3155.8	3204.7	3213.8	3229.1	3226.0	3229.1	3241.3	3271.8	3277.9	3281.0
20°	2951.3	3097.9	3155.8	3165.0	3180.3	3180.3	3180.3	3195.5	3226.0	3238.2	3238.2
22.5°	2847.5	3036.8	3097.9	3103.9	3122.3	3122.3	3128.4	3149.7	3177.2	3180.3	3180.3
25°	2725.5	2969.7	3021.6	3039.9	3058.1	3067.3	3076.5	3088.7	3097.9	3094.8	3097.9
27.5°	2597.3	2884.2	2951.3	2963.6	2988.0	2997.1	3009.3	3012.4	3015.4	3024.6	3018.5
30°	2453.8	2765.1	2865.9	2878.1	2917.8	2923.8	2911.7	2917.8	2933.0	2939.2	2945.2
32.5°	2292.1	2588.1	2777.4	2804.8	2841.5	2823.1	2820.1	2829.3	2853.7	2853.7	2859.8
35°	2072.4	2450.8	2695.0	2719.4	2746.8	2725.5	2737.7	2740.7	2756.0	2765.1	2762.1
37.5°	1831.2	2331.8	2609.5	2627.9	2649.2	2621.7	2640.0	2649.2	2661.4	2655.3	2655.3
40°	1617.6	2145.6	2508.8	2521.0	2539.3	2518.0	2536.2	2542.4	2548.5	2542.4	2539.3
42.5°	1458.9	1941.1	2401.9	2417.3	2405.0	2420.3	2426.3	2438.6	2429.4	2417.3	2417.3
45°	1336.8	1886.2	2286.0	2304.3	2286.0	2310.4	2319.5	2319.5	2292.1	2286.0	2283.0
47.5°	1297.1	1776.3	2170.0	2170.0	2160.9	2191.3	2206.7	2185.3	2157.8	2148.7	2148.7
50°	1294.1	1654.2	2011.3	1999.1	2041.8	2078.5	2063.2	2041.8	2020.5	1986.9	1986.9
52.5°	1175.0	1504.7	1806.8	1852.6	1919.8	1941.1	1916.7	1895.4	1858.7	1843.5	1831.2
55°	1089.6	1349.0	1620.6	1712.2	1782.4	1809.9	1764.1	1742.7	1687.8	1678.6	1672.5
57.5°	1071.3	1123.1	1449.8	1565.7	1651.2	1648.1	1620.6	1581.0	1535.1	1526.1	1523.0
60°	982.8	811.8	1266.6	1403.9	1492.5	1483.3	1458.9	1422.3	1379.5	1373.4	1367.3
62.5°	891.2	589.1	1059.1	1214.8	1339.9	1336.8	1315.5	1260.5	1230.0	1214.8	1202.5
65°	756.9	494.4	753.8	1010.2	1190.3	1196.4	1150.6	1111.0	1077.4	1059.1	1056.0
67.5°	576.8	402.9	509.7	842.4	1046.9	1040.7	982.8	964.4	921.7	912.5	894.3
70°	427.3	268.6	354.0	683.7	906.4	891.2	845.4	824.1	784.4	763.0	750.8
72.5°	354.0	216.7	259.4	531.1	763.0	744.7	705.0	680.6	647.0	628.7	616.5
75°	286.9	228.9	198.4	393.7	619.5	607.4	570.7	546.3	518.8	494.4	497.5
77.5°	210.6	213.7	158.7	290.0	491.4	473.1	451.7	421.2	408.9	384.5	384.5
80°	158.7	167.9	119.0	198.4	354.0	354.0	335.7	314.4	293.0	280.8	280.8
82.5°	106.8	106.8	88.5	125.1	241.1	231.9	219.8	213.7	201.4	195.3	195.3
85°	48.8	61.1	54.9	76.3	131.2	137.4	137.4	131.2	128.2	122.0	125.1
87.5°	15.2	27.5	33.6	42.7	67.1	70.2	73.2	73.2	73.2	76.3	76.3
90°	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1	18.1	18.1
92.5°	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2	90.5	86.9
95°	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2	307.1	296.1
97.5°	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7	708.9	688.2
100°	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1	995.5	970.8
102.5°	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8	1240.2	1219.1
105°	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3	1525.9	1514.5
107.5°	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4	1674.5	1677.3
110°	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8	1712.6	1724.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2	1688.3	1706.5
115°	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0	1605.9	1631.2
117.5°	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2	1492.1	1520.1
120°	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3	1415.5	1442.7
122.5°	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6	1338.8	1365.6
125°	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0	1237.4	1262.1
127.5°	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4	1156.0	1176.9
130°	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9	1104.6	1123.8
132.5°	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6	1060.8	1078.0
135°	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4	998.9	1013.8
137.5°	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6	953.2	965.3
140°	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1	916.5	927.9
142.5°	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9	890.8	900.6
145°	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6	852.2	859.6
147.5°	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1	819.9	826.1
150°	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6	801.3	806.3
152.5°	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8	786.6	790.3
155°	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1	768.9	771.4
157.5°	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9	753.7	755.4
160°	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8	746.1	747.1
162.5°	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0	738.9	739.8
165°	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8	728.0	729.0
167.5°	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2	723.2	723.6
170°	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2	723.2	723.2
172.5°	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6	719.4	719.0
175°	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2	714.2	714.2
177.5°	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9	713.3	712.8
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3308.5	3299.3	3308.5	3302.3	3305.4	3296.2	3268.7	3259.6	3268.7	3277.9	3277.9
5°	3348.1	3342.0	3348.1	3348.1	3345.0	3339.0	3308.5	3302.3	3308.5	3311.5	3305.4
7.5°	3360.3	3351.2	3360.3	3354.2	3354.2	3348.1	3317.6	3311.5	3314.5	3323.7	3314.5
10°	3360.3	3351.2	3360.3	3357.3	3354.2	3348.1	3317.6	3305.4	3305.4	3314.5	3305.4
12.5°	3345.0	3339.0	3345.0	3339.0	3339.0	3332.9	3302.3	3290.1	3293.1	3296.2	3284.0
15°	3320.6	3311.5	3320.6	3314.5	3317.6	3308.5	3274.9	3262.6	3262.6	3268.7	3247.4
17.5°	3284.0	3271.8	3284.0	3281.0	3277.9	3271.8	3241.3	3229.1	3226.0	3229.1	3213.8
20°	3241.3	3232.2	3241.3	3238.2	3238.2	3226.0	3195.5	3180.3	3180.3	3180.3	3165.0
22.5°	3174.2	3165.0	3174.2	3180.3	3180.3	3177.2	3149.7	3128.4	3122.3	3122.3	3103.9
25°	3097.9	3088.7	3097.9	3097.9	3094.8	3097.9	3088.7	3076.5	3067.3	3058.1	3039.9
27.5°	3024.6	3018.5	3024.6	3018.5	3024.6	3015.4	3012.4	3009.3	2997.1	2988.0	2963.6
30°	2951.3	2945.2	2951.3	2945.2	2939.2	2933.0	2917.8	2911.7	2923.8	2917.8	2878.1
32.5°	2859.8	2853.7	2859.8	2859.8	2853.7	2853.7	2829.3	2820.1	2823.1	2841.5	2804.8
35°	2765.1	2756.0	2765.1	2762.1	2765.1	2756.0	2740.7	2737.7	2725.5	2746.8	2719.4
37.5°	2655.3	2646.1	2655.3	2655.3	2655.3	2661.4	2649.2	2640.0	2621.7	2649.2	2627.9
40°	2542.4	2530.1	2542.4	2539.3	2542.4	2548.5	2542.4	2536.2	2518.0	2539.3	2521.0
42.5°	2414.2	2411.1	2414.2	2417.3	2417.3	2429.4	2438.6	2426.3	2420.3	2405.0	2417.3
45°	2276.8	2270.7	2276.8	2283.0	2286.0	2292.1	2319.5	2319.5	2310.4	2286.0	2304.3
47.5°	2130.4	2115.1	2130.4	2148.7	2148.7	2157.8	2185.3	2206.7	2191.3	2160.9	2170.0
50°	1974.7	1977.7	1974.7	1986.9	1986.9	2020.5	2041.8	2063.2	2078.5	2041.8	1999.1
52.5°	1822.1	1819.0	1822.1	1831.2	1843.5	1858.7	1895.4	1916.7	1941.1	1919.8	1852.6
55°	1669.4	1675.6	1669.4	1672.5	1678.6	1687.8	1742.7	1764.1	1809.9	1782.4	1712.2
57.5°	1516.9	1507.7	1516.9	1523.0	1526.1	1535.1	1581.0	1620.6	1648.1	1651.2	1565.7
60°	1339.9	1327.6	1339.9	1367.3	1373.4	1379.5	1422.3	1458.9	1483.3	1492.5	1403.9
62.5°	1184.2	1162.9	1184.2	1202.5	1214.8	1230.0	1260.5	1315.5	1336.8	1339.9	1214.8
65°	1019.4	1010.2	1019.4	1056.0	1059.1	1077.4	1111.0	1150.6	1196.4	1190.3	1010.2
67.5°	869.9	869.9	869.9	894.3	912.5	921.7	964.4	982.8	1040.7	1046.9	842.4
70°	732.5	729.4	732.5	750.8	763.0	784.4	824.1	845.4	891.2	906.4	683.7
72.5°	601.3	598.2	601.3	616.5	628.7	647.0	680.6	705.0	744.7	763.0	531.1
75°	485.3	479.2	485.3	497.5	494.4	518.8	546.3	570.7	607.4	619.5	393.7
77.5°	372.4	372.4	372.4	384.5	384.5	408.9	421.2	451.7	473.1	491.4	290.0
80°	277.7	274.7	277.7	280.8	280.8	293.0	314.4	335.7	354.0	354.0	198.4
82.5°	195.3	189.2	195.3	195.3	195.3	201.4	213.7	219.8	231.9	241.1	125.1
85°	122.0	122.0	122.0	125.1	122.0	128.2	131.2	137.4	137.4	131.2	76.3
87.5°	79.4	76.3	79.4	76.3	76.3	73.2	73.2	73.2	70.2	67.1	42.7
90°	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1	20.9	13.3
92.5°	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9	129.1	91.9
95°	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0	317.9	179.0
97.5°	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9	428.2	196.7
100°	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9	468.3	211.4
102.5°	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2	486.7	226.1
105°	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8	500.3	248.0
107.5°	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6	503.0	280.4
110°	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6	499.1	298.5

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7	499.3	320.4
115°	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7	503.9	353.3
117.5°	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0	513.2	385.2
120°	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1	520.8	403.7
122.5°	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4	531.8	425.7
125°	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4	546.6	453.8
127.5°	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6	561.3	480.9
130°	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7	572.1	499.0
132.5°	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4	580.9	513.7
135°	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7	590.4	530.8
137.5°	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9	604.7	552.8
140°	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5	613.4	567.5
142.5°	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0	620.7	578.5
145°	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0	630.2	595.1
147.5°	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7	644.2	616.1
150°	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1	651.5	627.0
152.5°	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7	656.3	634.2
155°	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2	666.7	649.9
157.5°	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7	677.2	665.6
160°	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2	682.0	672.7
162.5°	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9	687.1	680.4
165°	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4	694.3	691.3
167.5°	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4	700.0	697.5
170°	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0	704.8	704.6
172.5°	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0	707.9	709.4
177.5°	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9	708.3	709.4
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3271.8	3253.5	3253.5	3223.0	3210.7	3201.6	3186.3	3140.6	3128.4	3116.1	3134.4
5°	3299.3	3265.7	3241.3	3186.3	3140.6	3122.3	3064.3	2954.4	2881.1	2826.2	2795.7
7.5°	3305.4	3262.6	3216.8	3131.4	3021.6	2972.7	2795.7	2594.3	2539.3	2490.5	2459.9
10°	3299.3	3250.5	3186.3	3058.1	2798.7	2713.2	2536.2	2405.0	2371.4	2362.3	2371.4
12.5°	3277.9	3232.2	3143.6	2930.0	2566.8	2508.8	2405.0	2328.7	2322.6	2337.9	2420.3
15°	3241.3	3198.6	3094.8	2759.1	2438.6	2395.9	2322.6	2295.1	2328.7	2435.5	2682.8
17.5°	3204.7	3155.8	3027.6	2591.2	2341.0	2310.4	2258.5	2313.5	2502.7	2646.1	2728.6
20°	3155.8	3097.9	2951.3	2469.1	2270.7	2243.2	2218.8	2466.1	2609.5	2661.4	2707.2
22.5°	3097.9	3036.8	2847.5	2383.7	2197.5	2176.1	2191.3	2551.5	2609.5	2646.1	2685.8
25°	3021.6	2969.7	2725.5	2316.5	2139.5	2115.1	2173.1	2542.4	2576.0	2585.1	2664.4
27.5°	2951.3	2884.2	2597.3	2255.5	2069.3	2060.1	2188.3	2502.7	2527.1	2536.2	2621.7
30°	2865.9	2765.1	2453.8	2191.3	1996.1	1993.0	2191.3	2453.8	2447.8	2472.2	2557.6
32.5°	2777.4	2588.1	2292.1	2112.0	1925.8	1922.8	2170.0	2380.6	2374.5	2408.1	2472.2
35°	2695.0	2450.8	2072.4	2020.5	1837.4	1840.4	2118.1	2295.1	2298.2	2328.7	2368.4
37.5°	2609.5	2331.8	1831.2	1919.8	1751.9	1751.9	2047.9	2215.8	2209.7	2218.8	2273.8
40°	2508.8	2145.6	1617.6	1788.5	1672.5	1663.4	1962.5	2130.4	2109.0	2106.0	2182.3
42.5°	2401.9	1941.1	1458.9	1614.5	1581.0	1568.7	1858.7	2026.6	1986.9	1996.1	2093.7
45°	2286.0	1886.2	1336.8	1364.3	1486.3	1477.2	1745.7	1907.5	1880.0	1904.5	2005.2
47.5°	2170.0	1776.3	1297.1	1132.3	1385.6	1382.6	1620.6	1791.6	1776.3	1800.7	1907.5
50°	2011.3	1654.2	1294.1	970.6	1272.7	1284.9	1471.1	1678.6	1678.6	1700.0	1812.9
52.5°	1806.8	1504.7	1175.0	879.0	1141.4	1178.1	1339.9	1581.0	1587.0	1608.5	1709.2
55°	1620.6	1349.0	1089.6	808.8	985.8	1065.1	1211.7	1480.2	1492.5	1513.8	1605.4
57.5°	1449.8	1123.1	1071.3	726.4	842.4	918.7	1098.7	1382.6	1388.7	1407.0	1495.5
60°	1266.6	811.8	982.8	637.9	717.3	775.2	995.0	1266.6	1288.0	1300.1	1376.5
62.5°	1059.1	589.1	891.2	576.8	656.2	668.4	909.5	1156.7	1184.2	1193.3	1239.2
65°	753.8	494.4	756.9	525.0	592.1	595.1	818.0	1043.8	1068.2	1083.5	1117.0
67.5°	509.7	402.9	576.8	476.1	543.2	546.3	729.4	912.5	946.1	958.3	979.7
70°	354.0	268.6	427.3	424.3	488.3	494.4	634.9	793.6	824.1	833.2	845.4
72.5°	259.4	216.7	354.0	381.5	430.4	436.4	537.2	659.3	689.8	698.9	705.0
75°	198.4	228.9	286.9	332.6	366.2	369.3	439.5	537.2	558.6	564.6	567.6
77.5°	158.7	213.7	210.6	268.6	299.1	293.0	344.9	415.1	433.4	433.4	433.4
80°	119.0	167.9	158.7	192.3	219.8	213.7	247.2	296.1	302.1	308.2	305.2
82.5°	88.5	106.8	106.8	122.0	146.5	140.4	164.8	192.3	192.3	192.3	198.4
85°	54.9	61.1	48.8	64.1	82.4	79.4	91.6	103.8	106.8	106.8	100.7
87.5°	33.6	27.5	15.2	24.4	36.7	36.7	42.7	45.8	42.7	42.7	42.7
90°	12.4	8.5	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1
92.5°	83.8	51.4	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2
95°	164.2	105.0	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2
97.5°	183.6	131.3	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7
100°	199.5	152.2	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1
102.5°	215.1	170.9	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8
105°	238.6	201.2	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3
107.5°	271.7	236.8	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4
110°	290.7	259.1	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	312.9	282.8	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2
115°	346.3	318.6	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0
117.5°	378.8	353.7	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2
120°	397.8	374.1	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3
122.5°	419.6	395.8	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6
125°	448.3	426.5	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0
127.5°	475.4	453.4	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4
130°	493.0	469.4	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9
132.5°	507.8	484.1	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6
135°	525.4	503.9	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4
137.5°	547.5	526.1	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6
140°	562.6	542.9	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1
142.5°	574.0	555.7	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9
145°	591.1	575.3	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6
147.5°	612.2	596.8	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1
150°	623.5	609.5	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6
152.5°	631.6	620.9	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8
155°	648.0	640.1	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1
157.5°	663.7	656.1	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9
160°	671.3	665.4	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8
162.5°	679.3	674.8	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0
165°	690.3	686.3	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8
167.5°	697.0	695.1	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2
170°	704.2	702.2	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2
172.5°	705.0	704.6	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6
175°	709.4	709.4	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2
177.5°	709.4	709.4	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3113.1	3103.9	3116.1	3082.5	3116.1	3103.9	3113.1	3134.4	3116.1	3128.4	3140.6
5°	2731.6	2716.3	2667.5	2627.9	2667.5	2716.3	2731.6	2795.7	2826.2	2881.1	2954.4
7.5°	2441.7	2429.4	2417.3	2392.8	2417.3	2429.4	2441.7	2459.9	2490.5	2539.3	2594.3
10°	2377.5	2380.6	2398.9	2395.9	2398.9	2380.6	2377.5	2371.4	2362.3	2371.4	2405.0
12.5°	2542.4	2569.8	2670.5	2664.4	2670.5	2569.8	2542.4	2420.3	2337.9	2322.6	2328.7
15°	2731.6	2740.7	2762.1	2765.1	2762.1	2740.7	2731.6	2682.8	2435.5	2328.7	2295.1
17.5°	2749.9	2753.0	2768.2	2768.2	2768.2	2753.0	2749.9	2728.6	2646.1	2502.7	2313.5
20°	2734.7	2740.7	2771.2	2777.4	2771.2	2740.7	2734.7	2707.2	2661.4	2609.5	2466.1
22.5°	2728.6	2740.7	2765.1	2762.1	2765.1	2740.7	2728.6	2685.8	2646.1	2609.5	2551.5
25°	2698.0	2698.0	2701.1	2704.1	2701.1	2698.0	2698.0	2664.4	2585.1	2576.0	2542.4
27.5°	2633.9	2640.0	2658.3	2655.3	2658.3	2640.0	2633.9	2621.7	2536.2	2527.1	2502.7
30°	2576.0	2569.8	2554.6	2542.4	2554.6	2569.8	2576.0	2557.6	2472.2	2447.8	2453.8
32.5°	2478.2	2463.0	2447.8	2438.6	2447.8	2463.0	2478.2	2472.2	2408.1	2374.5	2380.6
35°	2362.3	2365.4	2362.3	2353.1	2362.3	2365.4	2362.3	2368.4	2328.7	2298.2	2295.1
37.5°	2279.9	2286.0	2283.0	2270.7	2283.0	2286.0	2279.9	2273.8	2218.8	2209.7	2215.8
40°	2194.4	2197.5	2194.4	2185.3	2194.4	2197.5	2194.4	2182.3	2106.0	2109.0	2130.4
42.5°	2112.0	2109.0	2099.8	2093.7	2099.8	2109.0	2112.0	2093.7	1996.1	1986.9	2026.6
45°	2017.4	2020.5	2002.2	1993.0	2002.2	2020.5	2017.4	2005.2	1904.5	1880.0	1907.5
47.5°	1922.8	1922.8	1907.5	1898.4	1907.5	1922.8	1922.8	1907.5	1800.7	1776.3	1791.6
50°	1822.1	1819.0	1797.6	1794.6	1797.6	1819.0	1822.1	1812.9	1700.0	1678.6	1678.6
52.5°	1706.1	1706.1	1709.2	1715.3	1709.2	1706.1	1706.1	1709.2	1608.5	1587.0	1581.0
55°	1605.4	1608.5	1629.8	1635.9	1629.8	1608.5	1605.4	1605.4	1513.8	1492.5	1480.2
57.5°	1501.6	1501.6	1516.9	1516.9	1516.9	1501.6	1501.6	1495.5	1407.0	1388.7	1382.6
60°	1382.6	1388.7	1400.9	1397.9	1400.9	1388.7	1382.6	1376.5	1300.1	1288.0	1266.6
62.5°	1257.4	1263.6	1266.6	1260.5	1266.6	1263.6	1257.4	1239.2	1193.3	1184.2	1156.7
65°	1126.2	1132.3	1135.4	1129.3	1135.4	1132.3	1126.2	1117.0	1083.5	1068.2	1043.8
67.5°	991.9	988.8	985.8	998.0	985.8	988.8	991.9	979.7	958.3	946.1	912.5
70°	854.5	854.5	851.5	857.6	851.5	854.5	854.5	845.4	833.2	824.1	793.6
72.5°	708.1	705.0	717.3	708.1	717.3	705.0	708.1	705.0	698.9	689.8	659.3
75°	564.6	570.7	564.6	573.8	564.6	570.7	564.6	567.6	564.6	558.6	537.2
77.5°	430.4	436.4	430.4	430.4	430.4	436.4	430.4	433.4	433.4	433.4	415.1
80°	305.2	302.1	302.1	299.1	302.1	302.1	305.2	305.2	308.2	302.1	296.1
82.5°	195.3	192.3	192.3	198.4	192.3	192.3	195.3	198.4	192.3	192.3	192.3
85°	106.8	109.9	103.8	103.8	103.8	109.9	106.8	100.7	106.8	106.8	103.8
87.5°	39.7	36.7	36.7	36.7	36.7	36.7	39.7	42.7	42.7	42.7	45.8
90°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1
92.5°	90.5	86.9	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9
95°	307.1	296.1	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0
97.5°	708.9	688.2	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9
100°	995.5	970.8	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9
102.5°	1240.2	1219.1	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2
105°	1525.9	1514.5	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8
107.5°	1674.5	1677.3	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6
110°	1712.6	1724.4	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1688.3	1706.5	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7
115°	1605.9	1631.2	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7
117.5°	1492.1	1520.1	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0
120°	1415.5	1442.7	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1
122.5°	1338.8	1365.6	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4
125°	1237.4	1262.1	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4
127.5°	1156.0	1176.9	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6
130°	1104.6	1123.8	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7
132.5°	1060.8	1078.0	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4
135°	998.9	1013.8	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7
137.5°	953.2	965.3	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9
140°	916.5	927.9	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5
142.5°	890.8	900.6	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0
145°	852.2	859.6	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0
147.5°	819.9	826.1	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7
150°	801.3	806.3	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1
152.5°	786.6	790.3	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7
155°	768.9	771.4	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2
157.5°	753.7	755.4	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7
160°	746.1	747.1	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2
162.5°	738.9	739.8	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9
165°	728.0	729.0	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4
167.5°	723.2	723.6	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4
170°	723.2	723.2	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0
172.5°	719.4	719.0	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0
177.5°	713.3	712.8	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3186.3	3201.6	3210.7	3223.0	3253.5
5°	3064.3	3122.3	3140.6	3186.3	3241.3
7.5°	2795.7	2972.7	3021.6	3131.4	3216.8
10°	2536.2	2713.2	2798.7	3058.1	3186.3
12.5°	2405.0	2508.8	2566.8	2930.0	3143.6
15°	2322.6	2395.9	2438.6	2759.1	3094.8
17.5°	2258.5	2310.4	2341.0	2591.2	3027.6
20°	2218.8	2243.2	2270.7	2469.1	2951.3
22.5°	2191.3	2176.1	2197.5	2383.7	2847.5
25°	2173.1	2115.1	2139.5	2316.5	2725.5
27.5°	2188.3	2060.1	2069.3	2255.5	2597.3
30°	2191.3	1993.0	1996.1	2191.3	2453.8
32.5°	2170.0	1922.8	1925.8	2112.0	2292.1
35°	2118.1	1840.4	1837.4	2020.5	2072.4
37.5°	2047.9	1751.9	1751.9	1919.8	1831.2
40°	1962.5	1663.4	1672.5	1788.5	1617.6
42.5°	1858.7	1568.7	1581.0	1614.5	1458.9
45°	1745.7	1477.2	1486.3	1364.3	1336.8
47.5°	1620.6	1382.6	1385.6	1132.3	1297.1
50°	1471.1	1284.9	1272.7	970.6	1294.1
52.5°	1339.9	1178.1	1141.4	879.0	1175.0
55°	1211.7	1065.1	985.8	808.8	1089.6
57.5°	1098.7	918.7	842.4	726.4	1071.3
60°	995.0	775.2	717.3	637.9	982.8
62.5°	909.5	668.4	656.2	576.8	891.2
65°	818.0	595.1	592.1	525.0	756.9
67.5°	729.4	546.3	543.2	476.1	576.8
70°	634.9	494.4	488.3	424.3	427.3
72.5°	537.2	436.4	430.4	381.5	354.0
75°	439.5	369.3	366.2	332.6	286.9
77.5°	344.9	293.0	299.1	268.6	210.6
80°	247.2	213.7	219.8	192.3	158.7
82.5°	164.8	140.4	146.5	122.0	106.8
85°	91.6	79.4	82.4	64.1	48.8
87.5°	42.7	36.7	36.7	24.4	15.2
90°	20.9	13.3	12.4	8.5	4.8
92.5°	129.1	91.9	83.8	51.4	19.0
95°	317.9	179.0	164.2	105.0	45.7
97.5°	428.2	196.7	183.6	131.3	79.0
100°	468.3	211.4	199.5	152.2	104.7
102.5°	486.7	226.1	215.1	170.9	126.7
105°	500.3	248.0	238.6	201.2	163.8
107.5°	503.0	280.4	271.7	236.8	201.9
110°	499.1	298.5	290.7	259.1	227.6

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	499.3	320.4	312.9	282.8	252.8
115°	503.9	353.3	346.3	318.6	290.9
117.5°	513.2	385.2	378.8	353.7	328.5
120°	520.8	403.7	397.8	374.1	350.4
122.5°	531.8	425.7	419.6	395.8	371.8
125°	546.6	453.8	448.3	426.5	404.7
127.5°	561.3	480.9	475.4	453.4	431.4
130°	572.1	499.0	493.0	469.4	445.7
132.5°	580.9	513.7	507.8	484.1	460.4
135°	590.4	530.8	525.4	503.9	482.3
137.5°	604.7	552.8	547.5	526.1	504.7
140°	613.4	567.5	562.6	542.9	523.2
142.5°	620.7	578.5	574.0	555.7	537.5
145°	630.2	595.1	591.1	575.3	559.4
147.5°	644.2	616.1	612.2	596.8	581.4
150°	651.5	627.0	623.5	609.5	595.6
152.5°	656.3	634.2	631.6	620.9	610.4
155°	666.7	649.9	648.0	640.1	632.2
157.5°	677.2	665.6	663.7	656.1	648.5
160°	682.0	672.7	671.3	665.4	659.4
162.5°	687.1	680.4	679.3	674.8	670.4
165°	694.3	691.3	690.3	686.3	682.3
167.5°	700.0	697.5	697.0	695.1	693.2
170°	704.8	704.6	704.2	702.2	700.4
172.5°	705.1	705.1	705.0	704.6	704.2
175°	707.9	709.4	709.4	709.4	709.4
177.5°	708.3	709.4	709.4	709.4	709.4
180°	709.4	709.4	709.4	709.4	709.4

TEST NUMBER: P934421

CATALOG NUMBER: SQ4-FA-050U-100D-927-1D-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	14.05	15.06	14.87	15.90	16.95	16.90	17.91	17.72	18.75	19.80
	3H	14.54	15.44	15.37	16.29	17.37	18.26	19.17	19.10	20.02	21.10
	4H	14.73	15.59	15.58	16.45	17.53	18.72	19.57	19.57	20.43	21.52
	6H	14.86	15.65	15.72	16.52	17.62	19.02	19.80	19.88	20.67	21.77
	8H	14.87	15.62	15.74	16.50	17.60	19.10	19.85	19.97	20.73	21.83
	12H	14.84	15.56	15.72	16.44	17.56	19.14	19.86	20.02	20.74	21.86
4H	2H	15.10	15.96	15.96	16.82	17.90	17.32	18.18	18.18	19.04	20.13
	3H	16.14	16.86	17.01	17.75	18.85	18.85	19.56	19.72	20.46	21.56
	4H	16.43	17.07	17.31	17.97	19.09	19.39	20.04	20.27	20.93	22.06
	6H	16.56	17.12	17.45	18.03	19.16	19.77	20.33	20.66	21.24	22.37
	8H	16.57	17.09	17.47	18.00	19.14	19.88	20.41	20.78	21.31	22.46
	12H	16.54	17.01	17.46	17.94	19.09	19.95	20.42	20.87	21.35	22.50
8H	4H	16.89	17.42	17.79	18.33	19.47	19.53	20.05	20.42	20.96	22.10
	6H	17.16	17.60	18.09	18.55	19.69	19.97	20.41	20.90	21.36	22.50
	8H	17.21	17.59	18.14	18.53	19.69	20.13	20.51	21.07	21.46	22.62
	12H	17.20	17.54	18.14	18.47	19.68	20.24	20.58	21.18	21.51	22.72
12H	4H	16.91	17.38	17.83	18.31	19.46	19.50	19.97	20.41	20.90	22.05
	6H	17.23	17.61	18.16	18.55	19.71	19.97	20.36	20.91	21.30	22.46
	8H	17.30	17.64	18.24	18.57	19.78	20.14	20.48	21.08	21.42	22.63

END OF REPORT