

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: P935418

Luminaire Tested: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

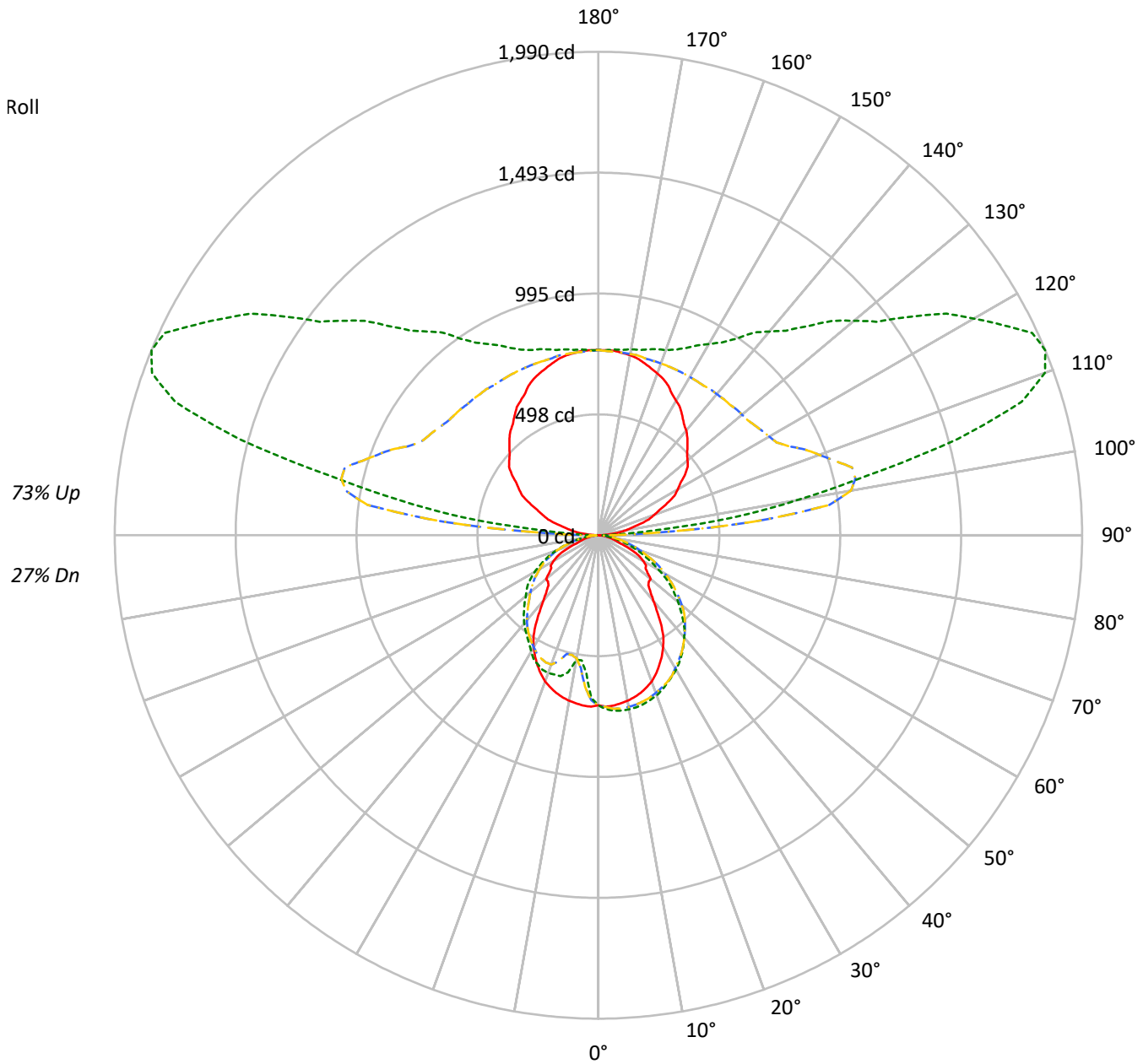
Test Method: LM-79-2019  
Report Number: P935418  
REPORT IS A COMBINATION OF REPORTS P933754 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6759.9 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 47.6  
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: P935418  
CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

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

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

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

	0°	90°	180°	270°
0°	6499	6499	6499	6499
5°	6540	6561	6540	5158
10°	6490	6463	6490	4621
15°	6411	6323	6411	5279
20°	6270	6156	6270	5290
25°	5988	5915	5988	5178
30°	5627	5714	5627	4933
35°	5009	5459	5009	4662
40°	4166	5161	4166	4457
45°	3715	4811	3715	4221
50°	3939	4393	3939	3986
55°	3694	3943	3694	3850
60°	3796	3349	3796	3526
65°	3424	2768	3424	3094
70°	2356	2207	2356	2594
75°	2040	1630	2040	1953
80°	1615	1079	1615	1173
85°	878	571	878	485

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5706 cd/sqm



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.2	0.9
10°-20°	179.5	2.7
20°-30°	277.5	4.1
30°-40°	331.3	4.9
40°-50°	333.2	4.9
50°-60°	289.9	4.3
60°-70°	205.6	3.0
70°-80°	108.8	1.6
80°-90°	30.0	0.4
90°-100°	371.5	5.5
100°-110°	976.8	14.4
110°-120°	1012.8	15.0
120°-130°	812.4	12.0
130°-140°	637.5	9.4
140°-150°	489.3	7.2
150°-160°	352.4	5.2
160°-170°	215.6	3.2
170°-180°	72.8	1.1
0°-30°	520.2	7.7
0°-40°	851.5	12.6
0°-60°	1474.6	21.8
0°-90°	1818.9	26.9
90°-120°	2361.2	34.9
90°-150°	4300.3	63.6
90°-180°	4941.0	73.1
0°-180°	6759.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	700	700	700	700	700	
5°	704	726	704	570	704	67
15°	672	719	672	600	672	189
25°	592	671	592	587	592	272
35°	450	598	450	511	450	278
45°	290	493	290	433	290	232
55°	236	364	236	355	236	217
65°	164	219	164	245	164	157
75°	62	104	62	125	62	65
85°	11	26	11	22	11	14
90°	5	20	5	20	5	5
95°	49	225	49	225	49	55
105°	176	1530	176	1530	176	187
115°	312	1970	312	1970	312	309
125°	435	1568	435	1568	435	386
135°	518	1217	518	1217	518	401
145°	601	987	601	987	601	377
155°	679	850	679	850	679	312
165°	733	792	733	792	733	207
175°	762	767	762	767	762	72
180°	762	762	762	762	762	



TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	706.3	706.3	710.3	711.7	711.7	709.7	707.7	709.7	715.6	717.6	716.9
5°	703.7	709.0	716.3	717.6	719.0	718.3	716.9	718.3	724.9	726.2	726.9
7.5°	698.4	708.3	717.6	719.6	721.5	719.6	719.0	720.3	726.9	728.2	728.2
10°	691.8	705.6	716.3	717.6	719.6	717.6	717.6	720.3	726.9	728.2	728.8
12.5°	682.5	701.7	711.7	712.9	715.6	714.9	714.3	716.9	723.6	724.9	724.9
15°	671.8	694.4	703.7	705.0	709.7	708.3	708.3	711.0	718.3	720.3	719.6
17.5°	657.3	685.2	695.7	697.7	701.1	700.4	701.1	703.7	710.3	711.7	712.3
20°	640.7	672.5	685.2	687.2	690.4	690.4	690.4	693.8	700.4	703.1	703.1
22.5°	618.2	659.3	672.5	673.9	677.9	677.9	679.2	683.8	689.7	690.4	690.4
25°	591.7	644.7	655.9	660.0	663.9	665.9	667.9	670.6	672.5	671.8	672.5
27.5°	563.9	626.2	640.7	643.4	648.7	650.7	653.4	654.0	654.6	656.6	655.3
30°	532.7	600.3	622.1	624.8	633.4	634.8	632.1	633.4	636.8	638.1	639.4
32.5°	497.7	561.9	603.0	608.9	616.9	613.0	612.3	614.2	619.6	619.6	620.9
35°	449.9	532.0	585.1	590.4	596.4	591.7	594.4	595.0	598.3	600.3	599.6
37.5°	397.6	506.3	566.5	570.5	575.1	569.2	573.1	575.1	577.8	576.5	576.5
40°	351.1	465.8	544.7	547.4	551.3	546.7	550.6	552.0	553.3	552.0	551.3
42.5°	316.8	421.4	521.5	524.8	522.2	525.4	526.8	529.5	527.4	524.8	524.8
45°	290.2	409.5	496.3	500.2	496.3	501.6	503.6	503.6	497.7	496.3	495.6
47.5°	281.6	385.6	471.1	471.1	469.1	475.7	479.1	474.4	468.5	466.4	466.4
50°	281.0	359.1	436.7	434.0	443.3	451.2	448.0	443.3	438.7	431.4	431.4
52.5°	255.1	326.6	392.2	402.2	416.7	421.4	416.1	411.5	403.5	400.2	397.6
55°	236.5	292.8	351.8	371.7	387.0	392.9	382.9	378.3	366.4	364.5	363.1
57.5°	232.6	243.8	314.8	339.9	358.4	357.9	351.8	343.2	333.3	331.3	330.7
60°	213.4	176.3	275.0	304.8	324.0	322.0	316.8	308.8	299.5	298.2	296.9
62.5°	193.5	127.8	229.9	263.7	290.9	290.2	285.6	273.7	267.1	263.7	261.0
65°	164.3	107.3	163.7	219.3	258.5	259.7	249.8	241.2	233.9	229.9	229.2
67.5°	125.3	87.4	110.7	182.9	227.2	226.0	213.4	209.4	200.1	198.1	194.1
70°	92.8	58.3	76.9	148.4	196.8	193.5	183.6	178.9	170.3	165.7	163.0
72.5°	76.9	47.0	56.3	115.3	165.7	161.6	153.0	147.8	140.5	136.5	133.9
75°	62.2	49.7	43.1	85.5	134.5	131.9	123.9	118.6	112.6	107.3	108.0
77.5°	45.7	46.3	34.5	62.9	106.7	102.8	98.1	91.5	88.8	83.5	83.5
80°	34.5	36.5	25.9	43.1	76.9	76.9	72.9	68.3	63.6	61.0	61.0
82.5°	23.2	23.2	19.2	27.2	52.4	50.4	47.7	46.3	43.8	42.4	42.4
85°	10.6	13.2	12.0	16.6	28.5	29.8	29.8	28.5	27.9	26.5	27.2
87.5°	3.4	5.9	7.3	9.3	14.6	15.2	15.9	15.9	15.9	16.6	16.6
90°	5.1	9.2	13.3	14.3	22.5	33.4	38.8	34.5	25.9	19.5	19.5
92.5°	20.5	55.2	90.0	98.7	138.8	192.3	218.9	191.9	137.8	97.2	93.4
95°	49.1	112.7	176.5	192.4	341.6	540.4	639.9	571.1	433.3	330.0	318.2
97.5°	84.9	141.0	197.2	211.2	460.0	791.7	957.6	914.0	827.0	761.6	739.4
100°	112.5	163.5	214.4	227.1	503.2	871.2	1055.3	1058.4	1064.9	1069.6	1043.0
102.5°	136.0	183.6	231.1	242.9	522.9	896.3	1082.9	1138.5	1249.4	1332.6	1309.9
105°	176.0	216.3	256.5	266.6	537.7	899.2	1079.9	1204.3	1453.0	1639.5	1627.2
107.5°	216.9	254.4	292.0	301.3	540.4	859.2	1018.5	1192.0	1538.9	1799.0	1802.0
110°	244.5	278.4	312.2	320.7	536.3	823.7	967.4	1161.3	1549.2	1840.1	1852.8



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	271.6	303.9	336.1	344.2	536.4	792.7	920.8	1119.3	1516.3	1814.0	1833.5
115°	312.5	342.3	372.2	379.6	541.4	757.1	865.0	1056.2	1438.6	1725.4	1752.5
117.5°	353.0	380.1	407.2	413.9	551.5	735.0	826.7	999.2	1344.3	1603.1	1633.2
120°	376.5	402.0	427.5	433.8	559.7	727.5	811.3	969.0	1284.3	1520.8	1550.1
122.5°	399.5	425.2	450.9	457.3	571.5	723.5	799.6	941.6	1225.5	1438.4	1467.3
125°	434.8	458.2	481.6	487.5	587.3	720.3	786.7	907.4	1148.6	1329.5	1356.0
127.5°	463.5	487.1	510.7	516.6	603.1	718.4	776.0	879.5	1086.7	1242.0	1264.4
130°	478.8	504.3	529.8	536.1	614.7	719.6	771.9	864.1	1048.5	1186.8	1207.4
132.5°	494.7	520.2	545.7	552.0	624.1	720.3	768.4	850.9	1016.0	1139.8	1158.2
135°	518.2	541.4	564.5	570.4	634.3	719.6	762.2	831.4	969.6	1073.3	1089.3
137.5°	542.2	565.1	588.2	593.9	649.6	724.0	761.2	819.5	936.4	1024.1	1037.1
140°	562.2	583.3	604.5	609.8	659.1	724.8	757.6	808.1	909.1	984.7	997.0
142.5°	577.5	597.0	616.6	621.6	666.9	727.4	757.6	802.0	890.6	957.1	967.5
145°	601.1	618.1	635.2	639.4	677.1	727.4	752.5	788.7	861.2	915.7	923.7
147.5°	624.6	641.2	657.8	662.0	692.1	732.3	752.5	781.0	838.1	880.9	887.5
150°	639.9	654.9	670.0	673.7	700.0	735.0	752.5	776.6	824.8	860.9	866.3
152.5°	655.8	667.2	678.6	681.4	705.1	736.7	752.5	773.0	814.2	845.0	849.1
155°	679.3	687.7	696.1	698.2	716.3	740.4	752.5	768.9	801.6	826.2	828.8
157.5°	696.7	704.9	713.0	715.1	727.6	744.2	752.5	765.2	790.7	809.8	811.6
160°	708.5	714.8	721.2	722.8	732.7	745.8	752.5	763.3	785.2	801.6	802.7
162.5°	720.3	725.0	729.8	731.0	738.1	747.7	752.5	761.6	780.1	794.0	794.9
165°	733.0	737.3	741.7	742.8	746.0	750.3	752.5	759.1	772.2	782.1	783.2
167.5°	744.9	746.8	748.9	749.4	752.2	755.8	757.6	761.9	770.5	777.1	777.6
170°	752.5	754.5	756.6	757.1	757.3	757.5	757.6	761.9	770.5	777.1	777.1
172.5°	756.6	757.0	757.5	757.6	757.6	757.6	757.6	761.0	767.8	772.9	772.5
175°	762.2	762.2	762.2	762.2	760.7	758.6	757.6	759.8	764.0	767.3	767.3
177.5°	762.2	762.2	762.2	762.2	761.1	759.4	758.6	760.3	763.7	766.3	765.8
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	718.3	716.3	718.3	716.9	717.6	715.6	709.7	707.7	709.7	711.7	711.7
5°	726.9	725.6	726.9	726.9	726.2	724.9	718.3	716.9	718.3	719.0	717.6
7.5°	729.5	727.6	729.5	728.2	728.2	726.9	720.3	719.0	719.6	721.5	719.6
10°	729.5	727.6	729.5	728.8	728.2	726.9	720.3	717.6	717.6	719.6	717.6
12.5°	726.2	724.9	726.2	724.9	724.9	723.6	716.9	714.3	714.9	715.6	712.9
15°	720.9	719.0	720.9	719.6	720.3	718.3	711.0	708.3	708.3	709.7	705.0
17.5°	712.9	710.3	712.9	712.3	711.7	710.3	703.7	701.1	700.4	701.1	697.7
20°	703.7	701.7	703.7	703.1	703.1	700.4	693.8	690.4	690.4	690.4	687.2
22.5°	689.1	687.2	689.1	690.4	690.4	689.7	683.8	679.2	677.9	677.9	673.9
25°	672.5	670.6	672.5	672.5	671.8	672.5	670.6	667.9	665.9	663.9	660.0
27.5°	656.6	655.3	656.6	655.3	656.6	654.6	654.0	653.4	650.7	648.7	643.4
30°	640.7	639.4	640.7	639.4	638.1	636.8	633.4	632.1	634.8	633.4	624.8
32.5°	620.9	619.6	620.9	620.9	619.6	619.6	614.2	612.3	613.0	616.9	608.9
35°	600.3	598.3	600.3	599.6	600.3	598.3	595.0	594.4	591.7	596.4	590.4
37.5°	576.5	574.5	576.5	576.5	576.5	577.8	575.1	573.1	569.2	575.1	570.5
40°	552.0	549.3	552.0	551.3	552.0	553.3	552.0	550.6	546.7	551.3	547.4
42.5°	524.1	523.4	524.1	524.8	524.8	527.4	529.5	526.8	525.4	522.2	524.8
45°	494.3	493.0	494.3	495.6	496.3	497.7	503.6	503.6	501.6	496.3	500.2
47.5°	462.5	459.2	462.5	466.4	466.4	468.5	474.4	479.1	475.7	469.1	471.1
50°	428.7	429.4	428.7	431.4	431.4	438.7	443.3	448.0	451.2	443.3	434.0
52.5°	395.6	394.9	395.6	397.6	400.2	403.5	411.5	416.1	421.4	416.7	402.2
55°	362.4	363.8	362.4	363.1	364.5	366.4	378.3	382.9	392.9	387.0	371.7
57.5°	329.3	327.3	329.3	330.7	331.3	333.3	343.2	351.8	357.9	358.4	339.9
60°	290.9	288.2	290.9	296.9	298.2	299.5	308.8	316.8	322.0	324.0	304.8
62.5°	257.1	252.4	257.1	261.0	263.7	267.1	273.7	285.6	290.2	290.9	263.7
65°	221.3	219.3	221.3	229.2	229.9	233.9	241.2	249.8	259.7	258.5	219.3
67.5°	188.8	188.8	188.8	194.1	198.1	200.1	209.4	213.4	226.0	227.2	182.9
70°	159.1	158.4	159.1	163.0	165.7	170.3	178.9	183.6	193.5	196.8	148.4
72.5°	130.5	129.8	130.5	133.9	136.5	140.5	147.8	153.0	161.6	165.7	115.3
75°	105.3	104.0	105.3	108.0	107.3	112.6	118.6	123.9	131.9	134.5	85.5
77.5°	80.8	80.8	80.8	83.5	83.5	88.8	91.5	98.1	102.8	106.7	62.9
80°	60.3	59.7	60.3	61.0	61.0	63.6	68.3	72.9	76.9	76.9	43.1
82.5°	42.4	41.1	42.4	42.4	42.4	43.8	46.3	47.7	50.4	52.4	27.2
85°	26.5	26.5	26.5	27.2	26.5	27.9	28.5	29.8	29.8	28.5	16.6
87.5°	17.2	16.6	17.2	16.6	16.6	15.9	15.9	15.9	15.2	14.6	9.3
90°	19.5	19.5	19.5	19.5	19.5	25.9	34.5	38.8	33.4	22.5	14.3
92.5°	77.9	62.4	77.9	93.4	97.2	137.8	191.9	218.9	192.3	138.8	98.7
95°	271.4	224.6	271.4	318.2	330.0	433.3	571.1	639.9	540.4	341.6	192.4
97.5°	650.3	561.2	650.3	739.4	761.6	827.0	914.0	957.6	791.7	460.0	211.2
100°	936.9	830.7	936.9	1043.0	1069.6	1064.9	1058.4	1055.3	871.2	503.2	227.1
102.5°	1218.9	1128.0	1218.9	1309.9	1332.6	1249.4	1138.5	1082.9	896.3	522.9	242.9
105°	1578.4	1529.5	1578.4	1627.2	1639.5	1453.0	1204.3	1079.9	899.2	537.7	266.6
107.5°	1813.9	1825.7	1813.9	1802.0	1799.0	1538.9	1192.0	1018.5	859.2	540.4	301.3
110°	1903.7	1954.6	1903.7	1852.8	1840.1	1549.2	1161.3	967.4	823.7	536.3	320.7





TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1911.7	1989.9	1911.7	1833.5	1814.0	1516.3	1119.3	920.8	792.7	536.4	344.2
115°	1861.0	1969.5	1861.0	1752.5	1725.4	1438.6	1056.2	865.0	757.1	541.4	379.6
117.5°	1753.5	1873.7	1753.5	1633.2	1603.1	1344.3	999.2	826.7	735.0	551.5	413.9
120°	1666.9	1783.7	1666.9	1550.1	1520.8	1284.3	969.0	811.3	727.5	559.7	433.8
122.5°	1582.5	1697.8	1582.5	1467.3	1438.4	1225.5	941.6	799.6	723.5	571.5	457.3
125°	1462.1	1568.4	1462.1	1356.0	1329.5	1148.6	907.4	786.7	720.3	587.3	487.5
127.5°	1354.0	1443.6	1354.0	1264.4	1242.0	1086.7	879.5	776.0	718.4	603.1	516.6
130°	1290.2	1373.0	1290.2	1207.4	1186.8	1048.5	864.1	771.9	719.6	614.7	536.1
132.5°	1232.3	1306.4	1232.3	1158.2	1139.8	1016.0	850.9	768.4	720.3	624.1	552.0
135°	1153.1	1216.9	1153.1	1089.3	1073.3	969.6	831.4	762.2	719.6	634.3	570.4
137.5°	1089.5	1141.7	1089.5	1037.1	1024.1	936.4	819.5	761.2	724.0	649.6	593.9
140°	1045.8	1094.7	1045.8	997.0	984.7	909.1	808.1	757.6	724.8	659.1	609.8
142.5°	1009.6	1051.7	1009.6	967.5	957.1	890.6	802.0	757.6	727.4	666.9	621.6
145°	955.5	987.3	955.5	923.7	915.7	861.2	788.7	752.5	727.4	677.1	639.4
147.5°	913.8	940.2	913.8	887.5	880.9	838.1	781.0	752.5	732.3	692.1	662.0
150°	887.7	909.1	887.7	866.3	860.9	824.8	776.6	752.5	735.0	700.0	673.7
152.5°	865.2	881.4	865.2	849.1	845.0	814.2	773.0	752.5	736.7	705.1	681.4
155°	839.5	850.2	839.5	828.8	826.2	801.6	768.9	752.5	740.4	716.3	698.2
157.5°	819.2	826.7	819.2	811.6	809.8	790.7	765.2	752.5	744.2	727.6	715.1
160°	807.0	811.3	807.0	802.7	801.6	785.2	763.3	752.5	745.8	732.7	722.8
162.5°	799.1	803.1	799.1	794.9	794.0	780.1	761.6	752.5	747.7	738.1	731.0
165°	787.5	791.9	787.5	783.2	782.1	772.2	759.1	752.5	750.3	746.0	742.8
167.5°	779.3	781.1	779.3	777.6	777.1	770.5	761.9	757.6	755.8	752.2	749.4
170°	777.1	777.1	777.1	777.1	777.1	770.5	761.9	757.6	757.5	757.3	757.1
172.5°	770.9	769.4	770.9	772.5	772.9	767.8	761.0	757.6	757.6	757.6	757.6
175°	767.3	767.3	767.3	767.3	767.3	764.0	759.8	757.6	758.6	760.7	762.2
177.5°	764.0	762.2	764.0	765.8	766.3	763.7	760.3	758.6	759.4	761.1	762.2
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	710.3	706.3	706.3	699.7	697.0	695.1	691.8	681.8	679.2	676.5	680.5
5°	716.3	709.0	703.7	691.8	681.8	677.9	665.2	641.4	625.5	613.5	606.9
7.5°	717.6	708.3	698.4	679.8	655.9	645.4	606.9	563.3	551.3	540.7	534.0
10°	716.3	705.6	691.8	663.9	607.6	589.0	550.6	522.2	514.8	512.9	514.8
12.5°	711.7	701.7	682.5	636.1	557.2	544.7	522.2	505.6	504.3	507.5	525.4
15°	703.7	694.4	671.8	599.0	529.5	520.2	504.3	498.2	505.6	528.8	582.4
17.5°	695.7	685.2	657.3	562.6	508.2	501.6	490.3	502.3	543.3	574.5	592.4
20°	685.2	672.5	640.7	536.1	493.0	487.0	481.7	535.4	566.5	577.8	587.8
22.5°	672.5	659.3	618.2	517.5	477.1	472.5	475.7	554.0	566.5	574.5	583.1
25°	655.9	644.7	591.7	502.9	464.5	459.2	471.8	552.0	559.2	561.2	578.5
27.5°	640.7	626.2	563.9	489.7	449.2	447.3	475.1	543.3	548.6	550.6	569.2
30°	622.1	600.3	532.7	475.7	433.3	432.6	475.7	532.7	531.4	536.7	555.3
32.5°	603.0	561.9	497.7	458.5	418.1	417.4	471.1	516.8	515.5	522.8	536.7
35°	585.1	532.0	449.9	438.7	398.9	399.5	459.8	498.2	498.9	505.6	514.2
37.5°	566.5	506.3	397.6	416.7	380.4	380.4	444.6	481.1	479.8	481.7	493.6
40°	544.7	465.8	351.1	388.3	363.1	361.1	426.0	462.5	457.8	457.2	473.7
42.5°	521.5	421.4	316.8	350.5	343.2	340.6	403.5	440.0	431.4	433.3	454.6
45°	496.3	409.5	290.2	296.2	322.7	320.7	379.0	414.2	408.1	413.5	435.3
47.5°	471.1	385.6	281.6	245.8	300.8	300.2	351.8	389.0	385.6	391.0	414.2
50°	436.7	359.1	281.0	210.7	276.3	278.9	319.4	364.5	364.5	369.1	393.6
52.5°	392.2	326.6	255.1	190.8	247.8	255.8	290.9	343.2	344.5	349.2	371.1
55°	351.8	292.8	236.5	175.6	214.0	231.3	263.0	321.4	324.0	328.6	348.6
57.5°	314.8	243.8	232.6	157.7	182.9	199.5	238.5	300.2	301.4	305.5	324.7
60°	275.0	176.3	213.4	138.5	155.7	168.3	216.0	275.0	279.6	282.3	298.9
62.5°	229.9	127.8	193.5	125.3	142.5	145.1	197.5	251.1	257.1	259.1	269.0
65°	163.7	107.3	164.3	114.0	128.5	129.2	177.5	226.6	231.9	235.2	242.6
67.5°	110.7	87.4	125.3	103.3	118.0	118.6	158.4	198.1	205.4	208.1	212.7
70°	76.9	58.3	92.8	92.1	106.0	107.3	137.8	172.3	178.9	180.9	183.6
72.5°	56.3	47.0	76.9	82.8	93.5	94.7	116.6	143.2	149.8	151.8	153.0
75°	43.1	49.7	62.2	72.2	79.5	80.1	95.4	116.6	121.2	122.6	123.2
77.5°	34.5	46.3	45.7	58.3	64.9	63.6	74.9	90.1	94.1	94.1	94.1
80°	25.9	36.5	34.5	41.8	47.7	46.3	53.6	64.3	65.6	66.9	66.3
82.5°	19.2	23.2	23.2	26.5	31.8	30.5	35.8	41.8	41.8	41.8	43.1
85°	12.0	13.2	10.6	13.9	17.9	17.2	19.9	22.5	23.2	23.2	21.8
87.5°	7.3	5.9	3.4	5.3	7.9	7.9	9.3	10.0	9.3	9.3	9.3
90°	13.3	9.2	5.1	9.2	13.3	14.3	22.5	33.4	38.8	34.5	25.9
92.5°	90.0	55.2	20.5	55.2	90.0	98.7	138.8	192.3	218.9	191.9	137.8
95°	176.5	112.7	49.1	112.7	176.5	192.4	341.6	540.4	639.9	571.1	433.3
97.5°	197.2	141.0	84.9	141.0	197.2	211.2	460.0	791.7	957.6	914.0	827.0
100°	214.4	163.5	112.5	163.5	214.4	227.1	503.2	871.2	1055.3	1058.4	1064.9
102.5°	231.1	183.6	136.0	183.6	231.1	242.9	522.9	896.3	1082.9	1138.5	1249.4
105°	256.5	216.3	176.0	216.3	256.5	266.6	537.7	899.2	1079.9	1204.3	1453.0
107.5°	292.0	254.4	216.9	254.4	292.0	301.3	540.4	859.2	1018.5	1192.0	1538.9
110°	312.2	278.4	244.5	278.4	312.2	320.7	536.3	823.7	967.4	1161.3	1549.2



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	336.1	303.9	271.6	303.9	336.1	344.2	536.4	792.7	920.8	1119.3	1516.3
115°	372.2	342.3	312.5	342.3	372.2	379.6	541.4	757.1	865.0	1056.2	1438.6
117.5°	407.2	380.1	353.0	380.1	407.2	413.9	551.5	735.0	826.7	999.2	1344.3
120°	427.5	402.0	376.5	402.0	427.5	433.8	559.7	727.5	811.3	969.0	1284.3
122.5°	450.9	425.2	399.5	425.2	450.9	457.3	571.5	723.5	799.6	941.6	1225.5
125°	481.6	458.2	434.8	458.2	481.6	487.5	587.3	720.3	786.7	907.4	1148.6
127.5°	510.7	487.1	463.5	487.1	510.7	516.6	603.1	718.4	776.0	879.5	1086.7
130°	529.8	504.3	478.8	504.3	529.8	536.1	614.7	719.6	771.9	864.1	1048.5
132.5°	545.7	520.2	494.7	520.2	545.7	552.0	624.1	720.3	768.4	850.9	1016.0
135°	564.5	541.4	518.2	541.4	564.5	570.4	634.3	719.6	762.2	831.4	969.6
137.5°	588.2	565.1	542.2	565.1	588.2	593.9	649.6	724.0	761.2	819.5	936.4
140°	604.5	583.3	562.2	583.3	604.5	609.8	659.1	724.8	757.6	808.1	909.1
142.5°	616.6	597.0	577.5	597.0	616.6	621.6	666.9	727.4	757.6	802.0	890.6
145°	635.2	618.1	601.1	618.1	635.2	639.4	677.1	727.4	752.5	788.7	861.2
147.5°	657.8	641.2	624.6	641.2	657.8	662.0	692.1	732.3	752.5	781.0	838.1
150°	670.0	654.9	639.9	654.9	670.0	673.7	700.0	735.0	752.5	776.6	824.8
152.5°	678.6	667.2	655.8	667.2	678.6	681.4	705.1	736.7	752.5	773.0	814.2
155°	696.1	687.7	679.3	687.7	696.1	698.2	716.3	740.4	752.5	768.9	801.6
157.5°	713.0	704.9	696.7	704.9	713.0	715.1	727.6	744.2	752.5	765.2	790.7
160°	721.2	714.8	708.5	714.8	721.2	722.8	732.7	745.8	752.5	763.3	785.2
162.5°	729.8	725.0	720.3	725.0	729.8	731.0	738.1	747.7	752.5	761.6	780.1
165°	741.7	737.3	733.0	737.3	741.7	742.8	746.0	750.3	752.5	759.1	772.2
167.5°	748.9	746.8	744.9	746.8	748.9	749.4	752.2	755.8	757.6	761.9	770.5
170°	756.6	754.5	752.5	754.5	756.6	757.1	757.3	757.5	757.6	761.9	770.5
172.5°	757.5	757.0	756.6	757.0	757.5	757.6	757.6	757.6	757.6	761.0	767.8
175°	762.2	762.2	762.2	762.2	762.2	762.2	760.7	758.6	757.6	759.8	764.0
177.5°	762.2	762.2	762.2	762.2	762.2	762.2	761.1	759.4	758.6	760.3	763.7
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4	700.4
2.5°	675.9	673.9	676.5	669.3	676.5	673.9	675.9	680.5	676.5	679.2	681.8
5°	593.0	589.7	579.2	570.5	579.2	589.7	593.0	606.9	613.5	625.5	641.4
7.5°	530.1	527.4	524.8	519.5	524.8	527.4	530.1	534.0	540.7	551.3	563.3
10°	516.1	516.8	520.8	520.2	520.8	516.8	516.1	514.8	512.9	514.8	522.2
12.5°	552.0	557.9	579.8	578.5	579.8	557.9	552.0	525.4	507.5	504.3	505.6
15°	593.0	595.0	599.6	600.3	599.6	595.0	593.0	582.4	528.8	505.6	498.2
17.5°	597.0	597.6	601.0	601.0	601.0	597.6	597.0	592.4	574.5	543.3	502.3
20°	593.7	595.0	601.7	603.0	601.7	595.0	593.7	587.8	577.8	566.5	535.4
22.5°	592.4	595.0	600.3	599.6	600.3	595.0	592.4	583.1	574.5	566.5	554.0
25°	585.8	585.8	586.4	587.1	586.4	585.8	585.8	578.5	561.2	559.2	552.0
27.5°	571.9	573.1	577.1	576.5	577.1	573.1	571.9	569.2	550.6	548.6	543.3
30°	559.2	557.9	554.6	552.0	554.6	557.9	559.2	555.3	536.7	531.4	532.7
32.5°	538.1	534.7	531.4	529.5	531.4	534.7	538.1	536.7	522.8	515.5	516.8
35°	512.9	513.6	512.9	510.9	512.9	513.6	512.9	514.2	505.6	498.9	498.2
37.5°	495.0	496.3	495.6	493.0	495.6	496.3	495.0	493.6	481.7	479.8	481.1
40°	476.4	477.1	476.4	474.4	476.4	477.1	476.4	473.7	457.2	457.8	462.5
42.5°	458.5	457.8	455.9	454.6	455.9	457.8	458.5	454.6	433.3	431.4	440.0
45°	438.0	438.7	434.6	432.6	434.6	438.7	438.0	435.3	413.5	408.1	414.2
47.5°	417.4	417.4	414.2	412.1	414.2	417.4	417.4	414.2	391.0	385.6	389.0
50°	395.6	394.9	390.3	389.6	390.3	394.9	395.6	393.6	369.1	364.5	364.5
52.5°	370.4	370.4	371.1	372.4	371.1	370.4	370.4	371.1	349.2	344.5	343.2
55°	348.6	349.2	353.8	355.2	353.8	349.2	348.6	348.6	328.6	324.0	321.4
57.5°	326.0	326.0	329.3	329.3	329.3	326.0	326.0	324.7	305.5	301.4	300.2
60°	300.2	301.4	304.1	303.5	304.1	301.4	300.2	298.9	282.3	279.6	275.0
62.5°	273.0	274.4	275.0	273.7	275.0	274.4	273.0	269.0	259.1	257.1	251.1
65°	244.5	245.8	246.5	245.1	246.5	245.8	244.5	242.6	235.2	231.9	226.6
67.5°	215.4	214.7	214.0	216.7	214.0	214.7	215.4	212.7	208.1	205.4	198.1
70°	185.5	185.5	184.9	186.2	184.9	185.5	185.5	183.6	180.9	178.9	172.3
72.5°	153.7	153.0	155.7	153.7	155.7	153.0	153.7	153.0	151.8	149.8	143.2
75°	122.6	123.9	122.6	124.6	122.6	123.9	122.6	123.2	122.6	121.2	116.6
77.5°	93.5	94.7	93.5	93.5	93.5	94.7	93.5	94.1	94.1	94.1	90.1
80°	66.3	65.6	65.6	64.9	65.6	65.6	66.3	66.3	66.9	65.6	64.3
82.5°	42.4	41.8	41.8	43.1	41.8	41.8	42.4	43.1	41.8	41.8	41.8
85°	23.2	23.8	22.5	22.5	22.5	23.8	23.2	21.8	23.2	23.2	22.5
87.5°	8.6	7.9	7.9	7.9	7.9	7.9	8.6	9.3	9.3	9.3	10.0
90°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	25.9	34.5	38.8	33.4
92.5°	97.2	93.4	77.9	62.4	77.9	93.4	97.2	137.8	191.9	218.9	192.3
95°	330.0	318.2	271.4	224.6	271.4	318.2	330.0	433.3	571.1	639.9	540.4
97.5°	761.6	739.4	650.3	561.2	650.3	739.4	761.6	827.0	914.0	957.6	791.7
100°	1069.6	1043.0	936.9	830.7	936.9	1043.0	1069.6	1064.9	1058.4	1055.3	871.2
102.5°	1332.6	1309.9	1218.9	1128.0	1218.9	1309.9	1332.6	1249.4	1138.5	1082.9	896.3
105°	1639.5	1627.2	1578.4	1529.5	1578.4	1627.2	1639.5	1453.0	1204.3	1079.9	899.2
107.5°	1799.0	1802.0	1813.9	1825.7	1813.9	1802.0	1799.0	1538.9	1192.0	1018.5	859.2
110°	1840.1	1852.8	1903.7	1954.6	1903.7	1852.8	1840.1	1549.2	1161.3	967.4	823.7



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1814.0	1833.5	1911.7	1989.9	1911.7	1833.5	1814.0	1516.3	1119.3	920.8	792.7
115°	1725.4	1752.5	1861.0	1969.5	1861.0	1752.5	1725.4	1438.6	1056.2	865.0	757.1
117.5°	1603.1	1633.2	1753.5	1873.7	1753.5	1633.2	1603.1	1344.3	999.2	826.7	735.0
120°	1520.8	1550.1	1666.9	1783.7	1666.9	1550.1	1520.8	1284.3	969.0	811.3	727.5
122.5°	1438.4	1467.3	1582.5	1697.8	1582.5	1467.3	1438.4	1225.5	941.6	799.6	723.5
125°	1329.5	1356.0	1462.1	1568.4	1462.1	1356.0	1329.5	1148.6	907.4	786.7	720.3
127.5°	1242.0	1264.4	1354.0	1443.6	1354.0	1264.4	1242.0	1086.7	879.5	776.0	718.4
130°	1186.8	1207.4	1290.2	1373.0	1290.2	1207.4	1186.8	1048.5	864.1	771.9	719.6
132.5°	1139.8	1158.2	1232.3	1306.4	1232.3	1158.2	1139.8	1016.0	850.9	768.4	720.3
135°	1073.3	1089.3	1153.1	1216.9	1153.1	1089.3	1073.3	969.6	831.4	762.2	719.6
137.5°	1024.1	1037.1	1089.5	1141.7	1089.5	1037.1	1024.1	936.4	819.5	761.2	724.0
140°	984.7	997.0	1045.8	1094.7	1045.8	997.0	984.7	909.1	808.1	757.6	724.8
142.5°	957.1	967.5	1009.6	1051.7	1009.6	967.5	957.1	890.6	802.0	757.6	727.4
145°	915.7	923.7	955.5	987.3	955.5	923.7	915.7	861.2	788.7	752.5	727.4
147.5°	880.9	887.5	913.8	940.2	913.8	887.5	880.9	838.1	781.0	752.5	732.3
150°	860.9	866.3	887.7	909.1	887.7	866.3	860.9	824.8	776.6	752.5	735.0
152.5°	845.0	849.1	865.2	881.4	865.2	849.1	845.0	814.2	773.0	752.5	736.7
155°	826.2	828.8	839.5	850.2	839.5	828.8	826.2	801.6	768.9	752.5	740.4
157.5°	809.8	811.6	819.2	826.7	819.2	811.6	809.8	790.7	765.2	752.5	744.2
160°	801.6	802.7	807.0	811.3	807.0	802.7	801.6	785.2	763.3	752.5	745.8
162.5°	794.0	794.9	799.1	803.1	799.1	794.9	794.0	780.1	761.6	752.5	747.7
165°	782.1	783.2	787.5	791.9	787.5	783.2	782.1	772.2	759.1	752.5	750.3
167.5°	777.1	777.6	779.3	781.1	779.3	777.6	777.1	770.5	761.9	757.6	755.8
170°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	770.5	761.9	757.6	757.5
172.5°	772.9	772.5	770.9	769.4	770.9	772.5	772.9	767.8	761.0	757.6	757.6
175°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	764.0	759.8	757.6	758.6
177.5°	766.3	765.8	764.0	762.2	764.0	765.8	766.3	763.7	760.3	758.6	759.4
180°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	700.4	700.4	700.4	700.4	700.4
2.5°	691.8	695.1	697.0	699.7	706.3
5°	665.2	677.9	681.8	691.8	703.7
7.5°	606.9	645.4	655.9	679.8	698.4
10°	550.6	589.0	607.6	663.9	691.8
12.5°	522.2	544.7	557.2	636.1	682.5
15°	504.3	520.2	529.5	599.0	671.8
17.5°	490.3	501.6	508.2	562.6	657.3
20°	481.7	487.0	493.0	536.1	640.7
22.5°	475.7	472.5	477.1	517.5	618.2
25°	471.8	459.2	464.5	502.9	591.7
27.5°	475.1	447.3	449.2	489.7	563.9
30°	475.7	432.6	433.3	475.7	532.7
32.5°	471.1	417.4	418.1	458.5	497.7
35°	459.8	399.5	398.9	438.7	449.9
37.5°	444.6	380.4	380.4	416.7	397.6
40°	426.0	361.1	363.1	388.3	351.1
42.5°	403.5	340.6	343.2	350.5	316.8
45°	379.0	320.7	322.7	296.2	290.2
47.5°	351.8	300.2	300.8	245.8	281.6
50°	319.4	278.9	276.3	210.7	281.0
52.5°	290.9	255.8	247.8	190.8	255.1
55°	263.0	231.3	214.0	175.6	236.5
57.5°	238.5	199.5	182.9	157.7	232.6
60°	216.0	168.3	155.7	138.5	213.4
62.5°	197.5	145.1	142.5	125.3	193.5
65°	177.5	129.2	128.5	114.0	164.3
67.5°	158.4	118.6	118.0	103.3	125.3
70°	137.8	107.3	106.0	92.1	92.8
72.5°	116.6	94.7	93.5	82.8	76.9
75°	95.4	80.1	79.5	72.2	62.2
77.5°	74.9	63.6	64.9	58.3	45.7
80°	53.6	46.3	47.7	41.8	34.5
82.5°	35.8	30.5	31.8	26.5	23.2
85°	19.9	17.2	17.9	13.9	10.6
87.5°	9.3	7.9	7.9	5.3	3.4
90°	22.5	14.3	13.3	9.2	5.1
92.5°	138.8	98.7	90.0	55.2	20.5
95°	341.6	192.4	176.5	112.7	49.1
97.5°	460.0	211.2	197.2	141.0	84.9
100°	503.2	227.1	214.4	163.5	112.5
102.5°	522.9	242.9	231.1	183.6	136.0
105°	537.7	266.6	256.5	216.3	176.0
107.5°	540.4	301.3	292.0	254.4	216.9
110°	536.3	320.7	312.2	278.4	244.5



TEST NUMBER: P935418

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	536.4	344.2	336.1	303.9	271.6
115°	541.4	379.6	372.2	342.3	312.5
117.5°	551.5	413.9	407.2	380.1	353.0
120°	559.7	433.8	427.5	402.0	376.5
122.5°	571.5	457.3	450.9	425.2	399.5
125°	587.3	487.5	481.6	458.2	434.8
127.5°	603.1	516.6	510.7	487.1	463.5
130°	614.7	536.1	529.8	504.3	478.8
132.5°	624.1	552.0	545.7	520.2	494.7
135°	634.3	570.4	564.5	541.4	518.2
137.5°	649.6	593.9	588.2	565.1	542.2
140°	659.1	609.8	604.5	583.3	562.2
142.5°	666.9	621.6	616.6	597.0	577.5
145°	677.1	639.4	635.2	618.1	601.1
147.5°	692.1	662.0	657.8	641.2	624.6
150°	700.0	673.7	670.0	654.9	639.9
152.5°	705.1	681.4	678.6	667.2	655.8
155°	716.3	698.2	696.1	687.7	679.3
157.5°	727.6	715.1	713.0	704.9	696.7
160°	732.7	722.8	721.2	714.8	708.5
162.5°	738.1	731.0	729.8	725.0	720.3
165°	746.0	742.8	741.7	737.3	733.0
167.5°	752.2	749.4	748.9	746.8	744.9
170°	757.3	757.1	756.6	754.5	752.5
172.5°	757.6	757.6	757.5	757.0	756.6
175°	760.7	762.2	762.2	762.2	762.2
177.5°	761.1	762.2	762.2	762.2	762.2
180°	762.2	762.2	762.2	762.2	762.2



TEST NUMBER: P935418  
 CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-4

**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	8.64	9.33	9.77	10.45	12.02	11.44	12.13	12.57	13.25	14.82
	3H	9.10	9.72	10.25	10.85	12.43	12.76	13.37	13.90	14.51	16.09
	4H	9.29	9.87	10.44	11.00	12.59	13.19	13.77	14.34	14.91	16.49
	6H	9.40	9.93	10.56	11.07	12.67	13.46	13.99	14.62	15.13	16.73
	8H	9.39	9.90	10.55	11.05	12.65	13.52	14.03	14.68	15.18	16.77
	12H	9.36	9.84	10.52	10.99	12.60	13.55	14.03	14.72	15.18	16.79
4H	2H	9.64	10.23	10.80	11.36	12.95	11.83	12.41	12.99	13.54	15.13
	3H	10.65	11.14	11.82	12.30	13.90	13.31	13.79	14.47	14.95	16.55
	4H	10.92	11.37	12.09	12.52	14.14	13.82	14.27	14.99	15.41	17.03
	6H	11.04	11.42	12.21	12.59	14.20	14.17	14.55	15.34	15.72	17.33
	8H	11.04	11.40	12.21	12.56	14.18	14.27	14.62	15.44	15.78	17.41
	12H	11.00	11.32	12.18	12.49	14.13	14.31	14.63	15.49	15.81	17.44
8H	4H	11.36	11.71	12.53	12.88	14.50	13.93	14.29	15.10	15.45	17.08
	6H	11.61	11.91	12.80	13.11	14.73	14.35	14.65	15.54	15.85	17.47
	8H	11.65	11.91	12.85	13.09	14.73	14.50	14.75	15.69	15.94	17.58
	12H	11.63	11.85	12.83	13.03	14.71	14.58	14.81	15.78	15.99	17.66
12H	4H	11.35	11.68	12.54	12.85	14.48	13.89	14.21	15.07	15.38	17.02
	6H	11.67	11.93	12.86	13.11	14.75	14.35	14.61	15.54	15.79	17.43
	8H	11.73	11.95	12.93	13.13	14.81	14.50	14.72	15.70	15.90	17.58