

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: P935470

Luminaire Tested: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935470
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-935-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

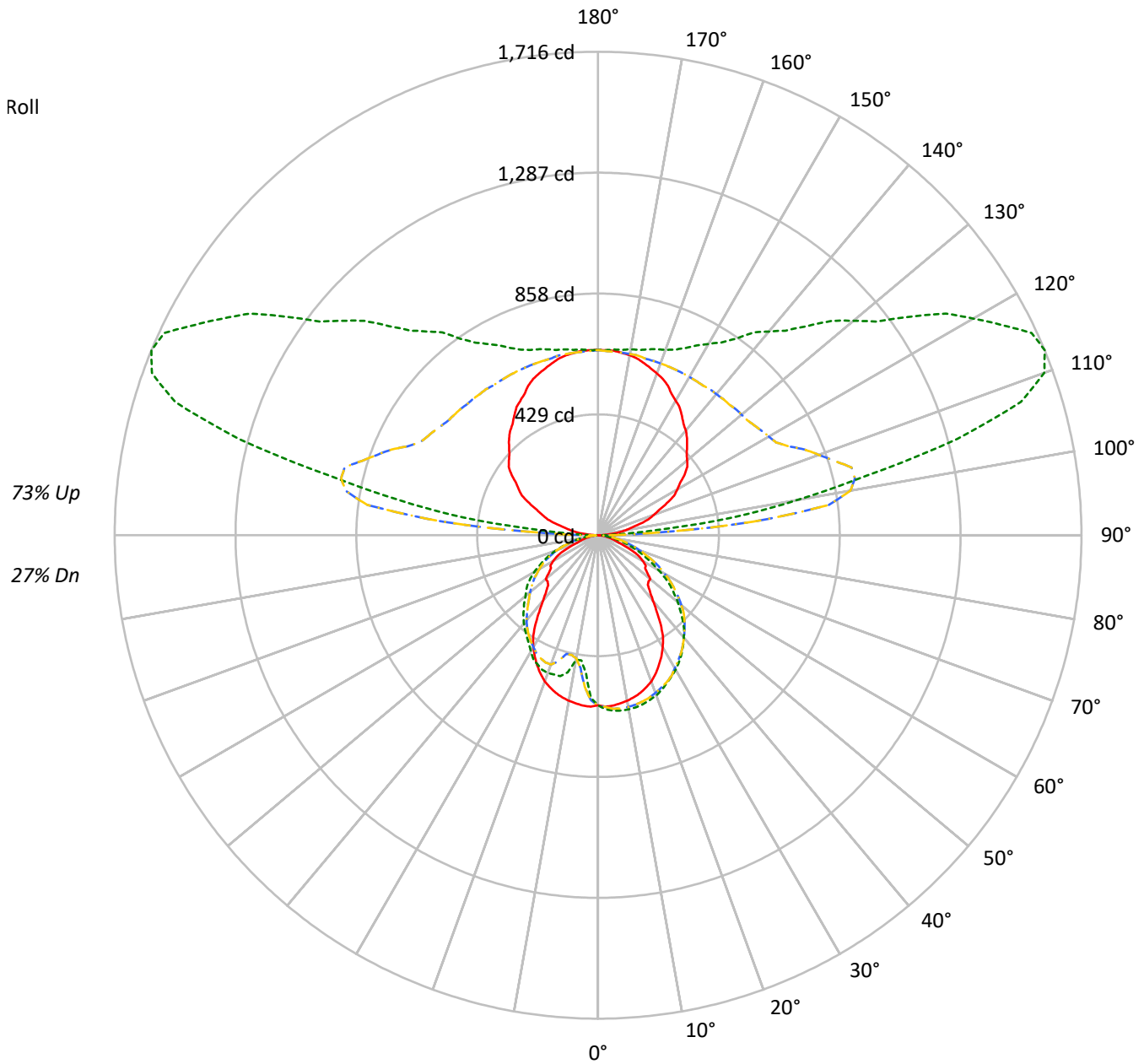
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829.4 lumens
Efficiency: N/A
Efficacy: 122.5 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: P935470
CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-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°	5605	5605	5605	5605
5°	5640	5658	5640	4448
10°	5597	5573	5597	3985
15°	5529	5452	5529	4553
20°	5407	5309	5407	4562
25°	5165	5101	5165	4466
30°	4852	4927	4852	4253
35°	4320	4708	4320	4020
40°	3593	4450	3593	3843
45°	3203	4148	3203	3641
50°	3397	3789	3397	3437
55°	3187	3400	3187	3320
60°	3273	2887	3273	3041
65°	2953	2387	2953	2668
70°	2031	1903	2031	2237
75°	1761	1406	1761	1684
80°	1390	931	1390	1012
85°	754	491	754	418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4921 cd/sqm



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	0.9
10°-20°	154.8	2.7
20°-30°	239.3	4.1
30°-40°	285.7	4.9
40°-50°	287.3	4.9
50°-60°	250.0	4.3
60°-70°	177.3	3.0
70°-80°	93.8	1.6
80°-90°	25.9	0.4
90°-100°	320.4	5.5
100°-110°	842.3	14.4
110°-120°	873.4	15.0
120°-130°	700.6	12.0
130°-140°	549.7	9.4
140°-150°	421.9	7.2
150°-160°	303.9	5.2
160°-170°	185.9	3.2
170°-180°	62.8	1.1
0°-30°	448.6	7.7
0°-40°	734.2	12.6
0°-60°	1271.6	21.8
0°-90°	1568.5	26.9
90°-120°	2036.1	34.9
90°-150°	3708.3	63.6
90°-180°	4261.0	73.1
0°-180°	5829.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	604	604	604	604	604	
5°	607	626	607	492	607	58
15°	579	620	579	518	579	163
25°	510	578	510	506	510	234
35°	388	516	388	441	388	240
45°	250	425	250	373	250	200
55°	204	314	204	306	204	187
65°	142	189	142	211	142	135
75°	54	90	54	107	54	56
85°	9	23	9	19	9	12
90°	4	17	4	17	4	4
95°	42	194	42	194	42	47
105°	152	1319	152	1319	152	161
115°	270	1698	270	1698	270	266
125°	375	1352	375	1352	375	333
135°	447	1049	447	1049	447	346
145°	518	851	518	851	518	325
155°	586	733	586	733	586	269
165°	632	683	632	683	632	178
175°	657	662	657	662	657	62
180°	657	657	657	657	657	



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	609.1	609.1	612.5	613.7	613.7	612.0	610.3	612.0	617.1	618.8	618.2
5°	606.8	611.4	617.7	618.8	620.0	619.4	618.2	619.4	625.1	626.2	626.8
7.5°	602.3	610.8	618.8	620.5	622.2	620.5	620.0	621.1	626.8	627.9	627.9
10°	596.6	608.5	617.7	618.8	620.5	618.8	618.8	621.1	626.8	627.9	628.5
12.5°	588.6	605.1	613.7	614.8	617.1	616.5	616.0	618.2	624.0	625.1	625.1
15°	579.4	598.8	606.8	608.0	612.0	610.8	610.8	613.1	619.4	621.1	620.5
17.5°	566.8	590.9	600.0	601.7	604.6	604.0	604.6	606.8	612.5	613.7	614.3
20°	552.5	580.0	590.9	592.6	595.4	595.4	595.4	598.3	604.0	606.3	606.3
22.5°	533.1	568.5	580.0	581.1	584.6	584.6	585.7	589.7	594.8	595.4	595.4
25°	510.3	555.9	565.6	569.1	572.5	574.2	576.0	578.3	580.0	579.4	580.0
27.5°	486.2	540.0	552.5	554.8	559.4	561.1	563.4	563.9	564.5	566.2	565.1
30°	459.4	517.7	536.5	538.8	546.2	547.4	545.1	546.2	549.1	550.2	551.4
32.5°	429.2	484.5	520.0	525.1	532.0	528.6	528.0	529.7	534.3	534.3	535.4
35°	388.0	458.8	504.6	509.2	514.3	510.3	512.6	513.1	516.0	517.7	517.1
37.5°	342.8	436.6	488.5	491.9	495.9	490.8	494.2	495.9	498.2	497.1	497.1
40°	302.8	401.7	469.7	472.0	475.4	471.4	474.8	476.0	477.1	476.0	475.4
42.5°	273.2	363.4	449.7	452.6	450.3	453.1	454.3	456.6	454.8	452.6	452.6
45°	250.2	353.2	428.0	431.4	428.0	432.6	434.3	434.3	429.2	428.0	427.4
47.5°	242.8	332.5	406.2	406.2	404.5	410.2	413.1	409.1	404.0	402.2	402.2
50°	242.3	309.7	376.6	374.3	382.3	389.1	386.3	382.3	378.3	372.0	372.0
52.5°	220.0	281.7	338.2	346.8	359.4	363.4	358.9	354.9	348.0	345.1	342.8
55°	204.0	252.5	303.4	320.5	333.7	338.8	330.2	326.2	316.0	314.3	313.1
57.5°	200.6	210.3	271.4	293.1	309.1	308.6	303.4	296.0	287.4	285.7	285.2
60°	184.0	152.0	237.1	262.8	279.4	277.7	273.2	266.2	258.2	257.1	256.0
62.5°	166.8	110.2	198.3	227.4	250.8	250.2	246.3	236.0	230.3	227.4	225.1
65°	141.7	92.5	141.2	189.1	222.9	224.0	215.4	208.0	201.7	198.3	197.7
67.5°	108.0	75.4	95.4	157.7	196.0	194.9	184.0	180.5	172.5	170.8	167.4
70°	80.0	50.3	66.3	128.0	169.7	166.8	158.3	154.3	146.9	142.9	140.6
72.5°	66.3	40.6	48.6	99.4	142.9	139.4	132.0	127.5	121.2	117.7	115.4
75°	53.7	42.9	37.1	73.7	116.0	113.7	106.8	102.2	97.1	92.5	93.1
77.5°	39.4	40.0	29.7	54.3	92.0	88.6	84.6	78.9	76.6	72.0	72.0
80°	29.7	31.4	22.3	37.1	66.3	66.3	62.9	58.9	54.9	52.6	52.6
82.5°	20.0	20.0	16.5	23.4	45.2	43.5	41.2	40.0	37.7	36.6	36.6
85°	9.1	11.4	10.3	14.3	24.5	25.7	25.7	24.5	24.0	22.8	23.4
87.5°	2.9	5.1	6.3	8.0	12.6	13.1	13.7	13.7	13.7	14.3	14.3
90°	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3	16.8	16.8
92.5°	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9	83.8	80.5
95°	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7	284.6	274.4
97.5°	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1	656.8	637.6
100°	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3	922.4	899.5
102.5°	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4	1149.2	1129.6
105°	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0	1413.8	1403.2
107.5°	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1	1551.4	1554.0
110°	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9	1586.8	1597.8



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6	1564.3	1581.1
115°	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6	1487.9	1511.3
117.5°	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2	1382.5	1408.4
120°	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5	1311.5	1336.7
122.5°	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8	1240.4	1265.3
125°	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4	1146.5	1169.4
127.5°	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1	1071.0	1090.4
130°	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1	1023.4	1041.2
132.5°	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1	982.9	998.8
135°	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2	925.5	939.3
137.5°	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5	883.1	894.3
140°	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9	849.2	859.8
142.5°	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0	825.3	834.4
145°	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7	789.6	796.5
147.5°	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8	759.6	765.4
150°	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2	742.4	747.0
152.5°	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1	728.7	732.2
155°	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2	712.4	714.7
157.5°	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9	698.3	699.9
160°	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1	691.2	692.2
162.5°	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7	684.7	685.5
165°	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9	674.4	675.4
167.5°	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5	670.1	670.5
170°	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5	670.1	670.1
172.5°	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1	666.5	666.2
175°	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9	661.7	661.7
177.5°	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6	660.8	660.4
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	619.4	617.7	619.4	618.2	618.8	617.1	612.0	610.3	612.0	613.7	613.7
5°	626.8	625.7	626.8	626.8	626.2	625.1	619.4	618.2	619.4	620.0	618.8
7.5°	629.1	627.4	629.1	627.9	627.9	626.8	621.1	620.0	620.5	622.2	620.5
10°	629.1	627.4	629.1	628.5	627.9	626.8	621.1	618.8	618.8	620.5	618.8
12.5°	626.2	625.1	626.2	625.1	625.1	624.0	618.2	616.0	616.5	617.1	614.8
15°	621.7	620.0	621.7	620.5	621.1	619.4	613.1	610.8	610.8	612.0	608.0
17.5°	614.8	612.5	614.8	614.3	613.7	612.5	606.8	604.6	604.0	604.6	601.7
20°	606.8	605.1	606.8	606.3	606.3	604.0	598.3	595.4	595.4	595.4	592.6
22.5°	594.3	592.6	594.3	595.4	595.4	594.8	589.7	585.7	584.6	584.6	581.1
25°	580.0	578.3	580.0	580.0	579.4	580.0	578.3	576.0	574.2	572.5	569.1
27.5°	566.2	565.1	566.2	565.1	566.2	564.5	563.9	563.4	561.1	559.4	554.8
30°	552.5	551.4	552.5	551.4	550.2	549.1	546.2	545.1	547.4	546.2	538.8
32.5°	535.4	534.3	535.4	535.4	534.3	534.3	529.7	528.0	528.6	532.0	525.1
35°	517.7	516.0	517.7	517.1	517.7	516.0	513.1	512.6	510.3	514.3	509.2
37.5°	497.1	495.4	497.1	497.1	497.1	498.2	495.9	494.2	490.8	495.9	491.9
40°	476.0	473.7	476.0	475.4	476.0	477.1	476.0	474.8	471.4	475.4	472.0
42.5°	452.0	451.4	452.0	452.6	452.6	454.8	456.6	454.3	453.1	450.3	452.6
45°	426.3	425.1	426.3	427.4	428.0	429.2	434.3	434.3	432.6	428.0	431.4
47.5°	398.8	396.0	398.8	402.2	402.2	404.0	409.1	413.1	410.2	404.5	406.2
50°	369.7	370.3	369.7	372.0	372.0	378.3	382.3	386.3	389.1	382.3	374.3
52.5°	341.1	340.5	341.1	342.8	345.1	348.0	354.9	358.9	363.4	359.4	346.8
55°	312.5	313.7	312.5	313.1	314.3	316.0	326.2	330.2	338.8	333.7	320.5
57.5°	284.0	282.3	284.0	285.2	285.7	287.4	296.0	303.4	308.6	309.1	293.1
60°	250.8	248.5	250.8	256.0	257.1	258.2	266.2	273.2	277.7	279.4	262.8
62.5°	221.7	217.7	221.7	225.1	227.4	230.3	236.0	246.3	250.2	250.8	227.4
65°	190.8	189.1	190.8	197.7	198.3	201.7	208.0	215.4	224.0	222.9	189.1
67.5°	162.8	162.8	162.8	167.4	170.8	172.5	180.5	184.0	194.9	196.0	157.7
70°	137.2	136.6	137.2	140.6	142.9	146.9	154.3	158.3	166.8	169.7	128.0
72.5°	112.5	112.0	112.5	115.4	117.7	121.2	127.5	132.0	139.4	142.9	99.4
75°	90.8	89.7	90.8	93.1	92.5	97.1	102.2	106.8	113.7	116.0	73.7
77.5°	69.7	69.7	69.7	72.0	72.0	76.6	78.9	84.6	88.6	92.0	54.3
80°	52.0	51.5	52.0	52.6	52.6	54.9	58.9	62.9	66.3	66.3	37.1
82.5°	36.6	35.4	36.6	36.6	36.6	37.7	40.0	41.2	43.5	45.2	23.4
85°	22.8	22.8	22.8	23.4	22.8	24.0	24.5	25.7	25.7	24.5	14.3
87.5°	14.8	14.3	14.8	14.3	14.3	13.7	13.7	13.7	13.1	12.6	8.0
90°	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8	19.4	12.4
92.5°	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8	119.7	85.1
95°	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0	294.5	165.9
97.5°	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7	396.7	182.2
100°	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3	433.9	195.9
102.5°	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9	451.0	209.5
105°	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4	463.7	229.9
107.5°	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9	466.0	259.9
110°	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3	462.5	276.6



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6	462.6	296.8
115°	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9	466.9	327.3
117.5°	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8	475.6	356.9
120°	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3	482.7	374.1
122.5°	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9	492.8	394.4
125°	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1	506.4	420.4
127.5°	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5	520.1	445.5
130°	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5	530.1	462.3
132.5°	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1	538.2	476.0
135°	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5	547.0	491.9
137.5°	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3	560.2	512.1
140°	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0	568.4	525.9
142.5°	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2	575.1	536.0
145°	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2	583.9	551.4
147.5°	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5	596.8	570.8
150°	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8	603.6	581.0
152.5°	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3	608.1	587.6
155°	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5	617.7	602.1
157.5°	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7	627.4	616.7
160°	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2	631.8	623.3
162.5°	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8	636.5	630.4
165°	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0	643.3	640.5
167.5°	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8	648.6	646.2
170°	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2	653.1	652.9
172.5°	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2	656.0	657.3
177.5°	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8	656.3	657.3
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	612.5	609.1	609.1	603.4	601.1	599.4	596.6	588.0	585.7	583.4	586.9
5°	617.7	611.4	606.8	596.6	588.0	584.6	573.7	553.1	539.4	529.1	523.4
7.5°	618.8	610.8	602.3	586.3	565.6	556.5	523.4	485.7	475.4	466.3	460.5
10°	617.7	608.5	596.6	572.5	524.0	508.0	474.8	450.3	444.0	442.3	444.0
12.5°	613.7	605.1	588.6	548.5	480.5	469.7	450.3	436.0	434.9	437.7	453.1
15°	606.8	598.8	579.4	516.6	456.6	448.6	434.9	429.7	436.0	456.0	502.3
17.5°	600.0	590.9	566.8	485.1	438.3	432.6	422.8	433.2	468.5	495.4	510.9
20°	590.9	580.0	552.5	462.3	425.1	420.0	415.4	461.7	488.5	498.2	506.9
22.5°	580.0	568.5	533.1	446.3	411.4	407.4	410.2	477.7	488.5	495.4	502.9
25°	565.6	555.9	510.3	433.7	400.5	396.0	406.8	476.0	482.2	483.9	498.8
27.5°	552.5	540.0	486.2	422.3	387.4	385.7	409.7	468.5	473.1	474.8	490.8
30°	536.5	517.7	459.4	410.2	373.7	373.1	410.2	459.4	458.3	462.8	478.8
32.5°	520.0	484.5	429.2	395.4	360.6	360.0	406.2	445.7	444.6	450.8	462.8
35°	504.6	458.8	388.0	378.3	344.0	344.5	396.5	429.7	430.3	436.0	443.4
37.5°	488.5	436.6	342.8	359.4	328.0	328.0	383.4	414.8	413.7	415.4	425.7
40°	469.7	401.7	302.8	334.8	313.1	311.4	367.4	398.8	394.8	394.3	408.5
42.5°	449.7	363.4	273.2	302.3	296.0	293.7	348.0	379.4	372.0	373.7	392.0
45°	428.0	353.2	250.2	255.4	278.3	276.6	326.8	357.2	352.0	356.6	375.4
47.5°	406.2	332.5	242.8	212.0	259.4	258.8	303.4	335.4	332.5	337.1	357.2
50°	376.6	309.7	242.3	181.7	238.3	240.5	275.5	314.3	314.3	318.3	339.4
52.5°	338.2	281.7	220.0	164.5	213.7	220.6	250.8	296.0	297.1	301.1	320.0
55°	303.4	252.5	204.0	151.4	184.5	199.5	226.8	277.2	279.4	283.4	300.6
57.5°	271.4	210.3	200.6	136.0	157.7	172.0	205.7	258.8	259.9	263.4	280.0
60°	237.1	152.0	184.0	119.5	134.3	145.1	186.2	237.1	241.1	243.4	257.7
62.5°	198.3	110.2	166.8	108.0	122.9	125.2	170.3	216.6	221.7	223.4	232.0
65°	141.2	92.5	141.7	98.3	110.8	111.4	153.1	195.4	200.0	202.9	209.2
67.5°	95.4	75.4	108.0	89.1	101.7	102.2	136.6	170.8	177.1	179.4	183.4
70°	66.3	50.3	80.0	79.4	91.4	92.5	118.9	148.6	154.3	156.0	158.3
72.5°	48.6	40.6	66.3	71.4	80.6	81.7	100.5	123.5	129.2	130.9	132.0
75°	37.1	42.9	53.7	62.3	68.6	69.1	82.3	100.5	104.5	105.7	106.2
77.5°	29.7	40.0	39.4	50.3	56.0	54.9	64.6	77.7	81.1	81.1	81.1
80°	22.3	31.4	29.7	36.0	41.2	40.0	46.3	55.5	56.6	57.7	57.2
82.5°	16.5	20.0	20.0	22.8	27.4	26.3	30.8	36.0	36.0	36.0	37.1
85°	10.3	11.4	9.1	12.0	15.4	14.8	17.1	19.4	20.0	20.0	18.8
87.5°	6.3	5.1	2.9	4.6	6.8	6.8	8.0	8.6	8.0	8.0	8.0
90°	11.5	7.9	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3
92.5°	77.6	47.6	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9
95°	152.2	97.2	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7
97.5°	170.1	121.6	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1
100°	184.9	141.0	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3
102.5°	199.3	158.3	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4
105°	221.2	186.5	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0
107.5°	251.8	219.4	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1
110°	269.2	240.1	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	289.9	262.1	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6
115°	320.9	295.2	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6
117.5°	351.1	327.8	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2
120°	368.7	346.7	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5
122.5°	388.9	366.7	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8
125°	415.4	395.2	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4
127.5°	440.4	420.0	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1
130°	456.8	434.9	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1
132.5°	470.6	448.6	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1
135°	486.8	466.9	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2
137.5°	507.2	487.3	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5
140°	521.3	503.0	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9
142.5°	531.7	514.9	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0
145°	547.8	533.0	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7
147.5°	567.3	552.9	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8
150°	577.7	564.8	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2
152.5°	585.2	575.4	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1
155°	600.3	593.1	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2
157.5°	614.9	607.9	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9
160°	622.0	616.4	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1
162.5°	629.4	625.2	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7
165°	639.6	635.8	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9
167.5°	645.8	644.0	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5
170°	652.5	650.7	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5
172.5°	653.2	652.8	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1
175°	657.3	657.3	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9
177.5°	657.3	657.3	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	582.9	581.1	583.4	577.1	583.4	581.1	582.9	586.9	583.4	585.7	588.0
5°	511.4	508.6	499.4	491.9	499.4	508.6	511.4	523.4	529.1	539.4	553.1
7.5°	457.1	454.8	452.6	448.0	452.6	454.8	457.1	460.5	466.3	475.4	485.7
10°	445.1	445.7	449.1	448.6	449.1	445.7	445.1	444.0	442.3	444.0	450.3
12.5°	476.0	481.1	500.0	498.8	500.0	481.1	476.0	453.1	437.7	434.9	436.0
15°	511.4	513.1	517.1	517.7	517.1	513.1	511.4	502.3	456.0	436.0	429.7
17.5°	514.9	515.4	518.3	518.3	518.3	515.4	514.9	510.9	495.4	468.5	433.2
20°	512.0	513.1	518.9	520.0	518.9	513.1	512.0	506.9	498.2	488.5	461.7
22.5°	510.9	513.1	517.7	517.1	517.7	513.1	510.9	502.9	495.4	488.5	477.7
25°	505.2	505.2	505.7	506.3	505.7	505.2	505.2	498.8	483.9	482.2	476.0
27.5°	493.1	494.2	497.7	497.1	497.7	494.2	493.1	490.8	474.8	473.1	468.5
30°	482.2	481.1	478.2	476.0	478.2	481.1	482.2	478.8	462.8	458.3	459.4
32.5°	464.0	461.1	458.3	456.6	458.3	461.1	464.0	462.8	450.8	444.6	445.7
35°	442.3	442.9	442.3	440.6	442.3	442.9	442.3	443.4	436.0	430.3	429.7
37.5°	426.9	428.0	427.4	425.1	427.4	428.0	426.9	425.7	415.4	413.7	414.8
40°	410.8	411.4	410.8	409.1	410.8	411.4	410.8	408.5	394.3	394.8	398.8
42.5°	395.4	394.8	393.1	392.0	393.1	394.8	395.4	392.0	373.7	372.0	379.4
45°	377.7	378.3	374.8	373.1	374.8	378.3	377.7	375.4	356.6	352.0	357.2
47.5°	360.0	360.0	357.2	355.4	357.2	360.0	360.0	357.2	337.1	332.5	335.4
50°	341.1	340.5	336.5	335.9	336.5	340.5	341.1	339.4	318.3	314.3	314.3
52.5°	319.4	319.4	320.0	321.1	320.0	319.4	319.4	320.0	301.1	297.1	296.0
55°	300.6	301.1	305.1	306.3	305.1	301.1	300.6	300.6	283.4	279.4	277.2
57.5°	281.2	281.2	284.0	284.0	284.0	281.2	281.2	280.0	263.4	259.9	258.8
60°	258.8	259.9	262.2	261.7	262.2	259.9	258.8	257.7	243.4	241.1	237.1
62.5°	235.4	236.6	237.1	236.0	237.1	236.6	235.4	232.0	223.4	221.7	216.6
65°	210.9	212.0	212.6	211.4	212.6	212.0	210.9	209.2	202.9	200.0	195.4
67.5°	185.7	185.1	184.5	186.8	184.5	185.1	185.7	183.4	179.4	177.1	170.8
70°	160.0	160.0	159.4	160.6	159.4	160.0	160.0	158.3	156.0	154.3	148.6
72.5°	132.6	132.0	134.3	132.6	134.3	132.0	132.6	132.0	130.9	129.2	123.5
75°	105.7	106.8	105.7	107.4	105.7	106.8	105.7	106.2	105.7	104.5	100.5
77.5°	80.6	81.7	80.6	80.6	80.6	81.7	80.6	81.1	81.1	81.1	77.7
80°	57.2	56.6	56.6	56.0	56.6	56.6	57.2	57.2	57.7	56.6	55.5
82.5°	36.6	36.0	36.0	37.1	36.0	36.0	36.6	37.1	36.0	36.0	36.0
85°	20.0	20.5	19.4	19.4	19.4	20.5	20.0	18.8	20.0	20.0	19.4
87.5°	7.4	6.8	6.8	6.8	6.8	6.8	7.4	8.0	8.0	8.0	8.6
90°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8
92.5°	83.8	80.5	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8
95°	284.6	274.4	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0
97.5°	656.8	637.6	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7
100°	922.4	899.5	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3
102.5°	1149.2	1129.6	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9
105°	1413.8	1403.2	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4
107.5°	1551.4	1554.0	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9
110°	1586.8	1597.8	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1564.3	1581.1	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6
115°	1487.9	1511.3	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9
117.5°	1382.5	1408.4	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8
120°	1311.5	1336.7	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3
122.5°	1240.4	1265.3	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9
125°	1146.5	1169.4	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1
127.5°	1071.0	1090.4	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5
130°	1023.4	1041.2	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5
132.5°	982.9	998.8	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1
135°	925.5	939.3	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5
137.5°	883.1	894.3	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3
140°	849.2	859.8	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0
142.5°	825.3	834.4	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2
145°	789.6	796.5	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2
147.5°	759.6	765.4	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5
150°	742.4	747.0	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8
152.5°	728.7	732.2	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3
155°	712.4	714.7	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5
157.5°	698.3	699.9	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7
160°	691.2	692.2	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2
162.5°	684.7	685.5	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8
165°	674.4	675.4	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0
167.5°	670.1	670.5	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8
170°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2
172.5°	666.5	666.2	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2
177.5°	660.8	660.4	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	604.0	604.0	604.0	604.0	604.0
2.5°	596.6	599.4	601.1	603.4	609.1
5°	573.7	584.6	588.0	596.6	606.8
7.5°	523.4	556.5	565.6	586.3	602.3
10°	474.8	508.0	524.0	572.5	596.6
12.5°	450.3	469.7	480.5	548.5	588.6
15°	434.9	448.6	456.6	516.6	579.4
17.5°	422.8	432.6	438.3	485.1	566.8
20°	415.4	420.0	425.1	462.3	552.5
22.5°	410.2	407.4	411.4	446.3	533.1
25°	406.8	396.0	400.5	433.7	510.3
27.5°	409.7	385.7	387.4	422.3	486.2
30°	410.2	373.1	373.7	410.2	459.4
32.5°	406.2	360.0	360.6	395.4	429.2
35°	396.5	344.5	344.0	378.3	388.0
37.5°	383.4	328.0	328.0	359.4	342.8
40°	367.4	311.4	313.1	334.8	302.8
42.5°	348.0	293.7	296.0	302.3	273.2
45°	326.8	276.6	278.3	255.4	250.2
47.5°	303.4	258.8	259.4	212.0	242.8
50°	275.5	240.5	238.3	181.7	242.3
52.5°	250.8	220.6	213.7	164.5	220.0
55°	226.8	199.5	184.5	151.4	204.0
57.5°	205.7	172.0	157.7	136.0	200.6
60°	186.2	145.1	134.3	119.5	184.0
62.5°	170.3	125.2	122.9	108.0	166.8
65°	153.1	111.4	110.8	98.3	141.7
67.5°	136.6	102.2	101.7	89.1	108.0
70°	118.9	92.5	91.4	79.4	80.0
72.5°	100.5	81.7	80.6	71.4	66.3
75°	82.3	69.1	68.6	62.3	53.7
77.5°	64.6	54.9	56.0	50.3	39.4
80°	46.3	40.0	41.2	36.0	29.7
82.5°	30.8	26.3	27.4	22.8	20.0
85°	17.1	14.8	15.4	12.0	9.1
87.5°	8.0	6.8	6.8	4.6	2.9
90°	19.4	12.4	11.5	7.9	4.4
92.5°	119.7	85.1	77.6	47.6	17.6
95°	294.5	165.9	152.2	97.2	42.3
97.5°	396.7	182.2	170.1	121.6	73.2
100°	433.9	195.9	184.9	141.0	97.0
102.5°	451.0	209.5	199.3	158.3	117.3
105°	463.7	229.9	221.2	186.5	151.7
107.5°	466.0	259.9	251.8	219.4	187.0
110°	462.5	276.6	269.2	240.1	210.9



TEST NUMBER: P935470

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	462.6	296.8	289.9	262.1	234.2
115°	466.9	327.3	320.9	295.2	269.5
117.5°	475.6	356.9	351.1	327.8	304.4
120°	482.7	374.1	368.7	346.7	324.7
122.5°	492.8	394.4	388.9	366.7	344.5
125°	506.4	420.4	415.4	395.2	375.0
127.5°	520.1	445.5	440.4	420.0	399.7
130°	530.1	462.3	456.8	434.9	412.9
132.5°	538.2	476.0	470.6	448.6	426.6
135°	547.0	491.9	486.8	466.9	446.9
137.5°	560.2	512.1	507.2	487.3	467.6
140°	568.4	525.9	521.3	503.0	484.8
142.5°	575.1	536.0	531.7	514.9	498.0
145°	583.9	551.4	547.8	533.0	518.4
147.5°	596.8	570.8	567.3	552.9	538.6
150°	603.6	581.0	577.7	564.8	551.8
152.5°	608.1	587.6	585.2	575.4	565.6
155°	617.7	602.1	600.3	593.1	585.8
157.5°	627.4	616.7	614.9	607.9	600.8
160°	631.8	623.3	622.0	616.4	611.0
162.5°	636.5	630.4	629.4	625.2	621.1
165°	643.3	640.5	639.6	635.8	632.1
167.5°	648.6	646.2	645.8	644.0	642.3
170°	653.1	652.9	652.5	650.7	648.9
172.5°	653.3	653.3	653.2	652.8	652.5
175°	656.0	657.3	657.3	657.3	657.3
177.5°	656.3	657.3	657.3	657.3	657.3
180°	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935470
 CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-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	8.13	8.81	9.26	9.94	11.50	10.92	11.61	12.06	12.74	14.30
	3H	8.59	9.20	9.73	10.34	11.92	12.25	12.86	13.39	13.99	15.58
	4H	8.77	9.36	9.92	10.49	12.08	12.68	13.26	13.83	14.39	15.98
	6H	8.88	9.42	10.04	10.55	12.15	12.94	13.48	14.10	14.61	16.21
	8H	8.88	9.39	10.04	10.54	12.13	13.01	13.52	14.17	14.67	16.26
	12H	8.84	9.33	10.01	10.47	12.09	13.04	13.52	14.20	14.66	16.28
4H	2H	9.13	9.71	10.29	10.85	12.43	11.31	11.90	12.47	13.03	14.62
	3H	10.14	10.62	11.30	11.78	13.38	12.79	13.28	13.96	14.44	16.04
	4H	10.41	10.86	11.57	12.00	13.62	13.31	13.75	14.47	14.90	16.52
	6H	10.52	10.91	11.69	12.08	13.68	13.65	14.04	14.82	15.21	16.82
	8H	10.52	10.88	11.69	12.04	13.67	13.75	14.11	14.92	15.27	16.90
	12H	10.48	10.81	11.67	11.98	13.61	13.79	14.12	14.98	15.29	16.92
8H	4H	10.84	11.20	12.01	12.36	13.99	13.42	13.77	14.59	14.94	16.56
	6H	11.10	11.39	12.29	12.59	14.22	13.84	14.13	15.03	15.34	16.96
	8H	11.14	11.39	12.33	12.58	14.22	13.98	14.24	15.18	15.42	17.07
	12H	11.11	11.34	12.31	12.52	14.19	14.07	14.29	15.27	15.47	17.15
12H	4H	10.84	11.16	12.02	12.34	13.97	13.37	13.70	14.56	14.87	16.50
	6H	11.15	11.41	12.35	12.59	14.24	13.83	14.09	15.03	15.27	16.92
	8H	11.21	11.44	12.41	12.62	14.29	13.98	14.21	15.18	15.39	17.06