

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: P935474

Luminaire Tested: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935474
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-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

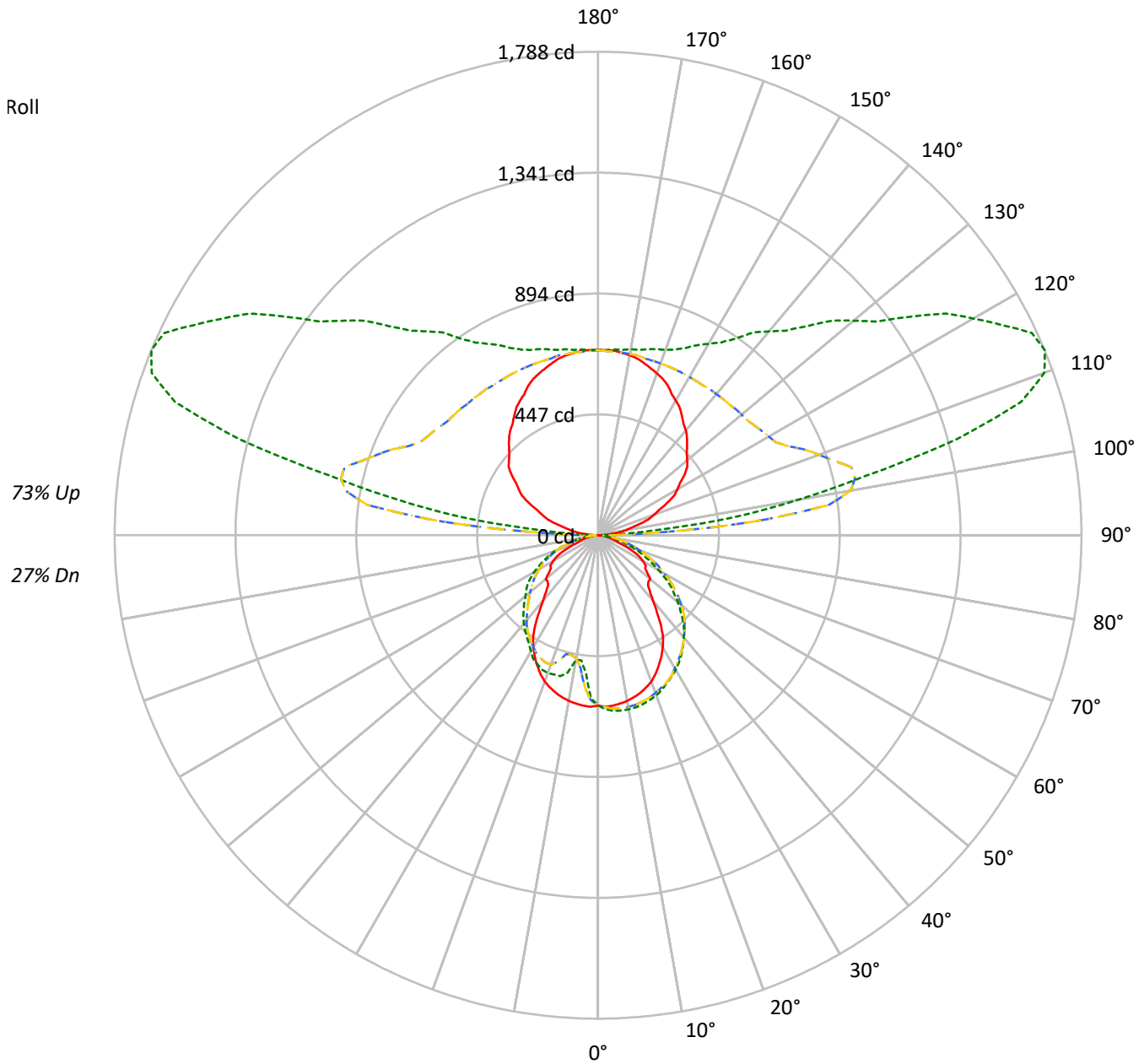
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6075.7 lumens
Efficiency: N/A
Efficacy: 127.6 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: P935474
CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-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°	5841	5841	5841	5841
5°	5878	5896	5878	4636
10°	5833	5808	5833	4152
15°	5762	5683	5762	4744
20°	5636	5534	5636	4754
25°	5382	5316	5382	4654
30°	5057	5135	5057	4433
35°	4502	4907	4502	4190
40°	3744	4638	3744	4006
45°	3339	4324	3339	3795
50°	3540	3948	3540	3582
55°	3321	3545	3321	3460
60°	3412	3009	3412	3170
65°	3078	2488	3078	2781
70°	2117	1982	2117	2332
75°	1833	1466	1833	1756
80°	1451	969	1451	1054
85°	787	513	787	435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5128 cd/sqm



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	0.9
10°-20°	161.3	2.7
20°-30°	249.4	4.1
30°-40°	297.7	4.9
40°-50°	299.5	4.9
50°-60°	260.6	4.3
60°-70°	184.7	3.0
70°-80°	97.7	1.6
80°-90°	27.0	0.4
90°-100°	333.9	5.5
100°-110°	877.9	14.4
110°-120°	910.3	15.0
120°-130°	730.2	12.0
130°-140°	572.9	9.4
140°-150°	439.7	7.2
150°-160°	316.7	5.2
160°-170°	193.8	3.2
170°-180°	65.5	1.1
0°-30°	467.5	7.7
0°-40°	765.3	12.6
0°-60°	1325.3	21.8
0°-90°	1634.8	26.9
90°-120°	2122.2	34.9
90°-150°	3865.0	63.6
90°-180°	4441.0	73.1
0°-180°	6075.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	630	630	630	630	630	
5°	632	652	632	513	632	60
15°	604	646	604	540	604	170
25°	532	603	532	528	532	244
35°	404	538	404	459	404	250
45°	261	443	261	389	261	209
55°	213	327	213	319	213	195
65°	148	197	148	220	148	141
75°	56	94	56	112	56	59
85°	10	24	10	20	10	13
90°	5	18	5	18	5	4
95°	44	202	44	202	44	49
105°	158	1375	158	1375	158	168
115°	281	1770	281	1770	281	277
125°	391	1410	391	1410	391	347
135°	466	1094	466	1094	466	360
145°	540	887	540	887	540	338
155°	611	764	611	764	611	281
165°	659	712	659	712	659	186
175°	685	690	685	690	685	65
180°	685	685	685	685	685	



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	634.8	634.8	638.4	639.6	639.6	637.9	636.1	637.9	643.2	645.0	644.3
5°	632.4	637.2	643.8	645.0	646.2	645.6	644.3	645.6	651.5	652.7	653.3
7.5°	627.7	636.6	645.0	646.7	648.5	646.7	646.2	647.4	653.3	654.5	654.5
10°	621.8	634.2	643.8	645.0	646.7	645.0	645.0	647.4	653.3	654.5	655.1
12.5°	613.4	630.7	639.6	640.8	643.2	642.6	642.0	644.3	650.4	651.5	651.5
15°	603.8	624.1	632.4	633.7	637.9	636.6	636.6	639.0	645.6	647.4	646.7
17.5°	590.8	615.8	625.3	627.1	630.1	629.5	630.1	632.4	638.4	639.6	640.2
20°	575.9	604.5	615.8	617.6	620.5	620.5	620.5	623.6	629.5	631.9	631.9
22.5°	555.6	592.6	604.5	605.7	609.3	609.3	610.4	614.6	619.9	620.5	620.5
25°	531.8	579.4	589.5	593.2	596.7	598.5	600.3	602.7	604.5	603.8	604.5
27.5°	506.8	562.8	575.9	578.3	583.1	584.8	587.2	587.8	588.4	590.2	589.0
30°	478.8	539.5	559.2	561.6	569.3	570.5	568.1	569.3	572.3	573.5	574.7
32.5°	447.3	505.0	541.9	547.3	554.5	550.9	550.3	552.1	556.9	556.9	558.0
35°	404.4	478.2	525.9	530.7	536.0	531.8	534.2	534.8	537.8	539.5	538.9
37.5°	357.3	455.0	509.2	512.7	516.9	511.6	515.1	516.9	519.3	518.1	518.1
40°	315.6	418.7	489.6	492.0	495.5	491.3	494.9	496.1	497.3	496.1	495.5
42.5°	284.7	378.7	468.7	471.7	469.3	472.2	473.5	475.9	474.0	471.7	471.7
45°	260.8	368.1	446.0	449.6	446.0	450.8	452.6	452.6	447.3	446.0	445.4
47.5°	253.1	346.6	423.4	423.4	421.6	427.6	430.6	426.4	421.1	419.2	419.2
50°	252.5	322.8	392.5	390.1	398.4	405.5	402.6	398.4	394.3	387.7	387.7
52.5°	229.3	293.6	352.5	361.5	374.6	378.7	374.0	369.9	362.7	359.7	357.3
55°	212.6	263.2	316.2	334.1	347.8	353.2	344.2	340.0	329.4	327.6	326.3
57.5°	209.0	219.2	282.9	305.5	322.2	321.6	316.2	308.5	299.5	297.7	297.2
60°	191.8	158.4	247.1	273.9	291.2	289.4	284.7	277.5	269.2	268.0	266.8
62.5°	173.9	114.9	206.6	237.0	261.4	260.8	256.7	246.0	240.0	237.0	234.6
65°	147.7	96.4	147.1	197.1	232.3	233.5	224.5	216.8	210.2	206.6	206.0
67.5°	112.6	78.6	99.5	164.4	204.2	203.1	191.8	188.2	179.8	178.0	174.5
70°	83.4	52.4	69.1	133.4	176.9	173.9	165.0	160.8	153.1	148.9	146.5
72.5°	69.1	42.3	50.6	103.6	148.9	145.3	137.6	132.8	126.3	122.7	120.3
75°	55.9	44.7	38.7	76.8	120.9	118.5	111.4	106.6	101.2	96.4	97.1
77.5°	41.1	41.6	31.0	56.6	95.9	92.4	88.2	82.2	79.8	75.0	75.0
80°	31.0	32.8	23.3	38.7	69.1	69.1	65.5	61.4	57.2	54.8	54.8
82.5°	20.9	20.9	17.2	24.4	47.1	45.3	42.9	41.6	39.3	38.1	38.1
85°	9.5	11.9	10.7	14.9	25.6	26.8	26.8	25.6	25.0	23.8	24.4
87.5°	3.0	5.3	6.6	8.3	13.1	13.7	14.3	14.3	14.3	14.9	14.9
90°	4.6	8.3	12.0	12.9	20.2	30.0	34.9	31.0	23.3	17.5	17.5
92.5°	18.4	49.6	80.9	88.7	124.8	172.8	196.8	172.4	123.9	87.4	83.9
95°	44.1	101.3	158.6	172.9	307.0	485.7	575.2	513.3	389.5	296.6	286.0
97.5°	76.3	126.7	177.2	189.9	413.5	711.6	860.6	821.5	743.3	684.6	664.6
100°	101.1	147.0	192.7	204.2	452.3	783.0	948.5	951.3	957.1	961.3	937.5
102.5°	122.3	165.0	207.7	218.4	470.0	805.6	973.3	1023.2	1123.0	1197.7	1177.3
105°	158.2	194.4	230.5	239.6	483.2	808.2	970.6	1082.4	1305.9	1473.5	1462.5
107.5°	194.9	228.7	262.4	270.8	485.7	772.2	915.4	1071.4	1383.1	1617.0	1619.6
110°	219.8	250.2	280.6	288.2	482.0	740.3	869.4	1043.8	1392.4	1653.8	1665.3



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	244.1	273.1	302.1	309.4	482.1	712.4	827.6	1006.0	1362.8	1630.4	1648.0
115°	280.9	307.7	334.5	341.2	486.6	680.5	777.4	949.3	1293.0	1550.8	1575.1
117.5°	317.3	341.6	365.9	372.0	495.7	660.6	743.0	898.0	1208.2	1440.9	1467.9
120°	338.4	361.3	384.2	389.9	503.1	653.8	729.2	871.0	1154.3	1366.9	1393.2
122.5°	359.1	382.2	405.3	411.1	513.6	650.3	718.7	846.3	1101.5	1292.8	1318.8
125°	390.8	411.9	432.9	438.1	527.8	647.4	707.1	815.5	1032.3	1194.9	1218.8
127.5°	416.6	437.8	459.0	464.3	542.0	645.7	697.4	790.5	976.7	1116.3	1136.5
130°	430.3	453.2	476.1	481.8	552.5	646.7	693.8	776.6	942.3	1066.7	1085.2
132.5°	444.6	467.5	490.4	496.1	560.9	647.4	690.6	764.7	913.1	1024.4	1041.0
135°	465.8	486.6	507.4	512.6	570.1	646.7	685.1	747.3	871.5	964.6	979.0
137.5°	487.3	507.9	528.6	533.8	583.9	650.7	684.1	736.6	841.6	920.4	932.1
140°	505.3	524.3	543.3	548.1	592.4	651.4	680.9	726.3	817.0	885.1	896.1
142.5°	519.0	536.6	554.2	558.6	599.4	653.7	680.9	720.8	800.4	860.2	869.6
145°	540.3	555.5	570.9	574.7	608.5	653.7	676.3	708.9	774.1	823.0	830.2
147.5°	561.4	576.3	591.2	595.0	622.0	658.2	676.3	702.0	753.3	791.7	797.7
150°	575.2	588.7	602.2	605.5	629.1	660.6	676.3	698.0	741.3	773.8	778.6
152.5°	589.5	599.7	609.9	612.5	633.8	662.1	676.3	694.8	731.8	759.5	763.1
155°	610.6	618.1	625.7	627.5	643.8	665.5	676.3	691.0	720.4	742.5	744.9
157.5°	626.2	633.6	640.9	642.7	653.9	668.8	676.3	687.8	710.7	727.8	729.5
160°	636.8	642.5	648.2	649.7	658.5	670.4	676.3	686.1	705.7	720.4	721.4
162.5°	647.4	651.6	656.0	657.0	663.4	672.0	676.3	684.6	701.2	713.6	714.5
165°	658.8	662.7	666.6	667.6	670.5	674.3	676.3	682.3	694.1	702.9	703.9
167.5°	669.5	671.2	673.1	673.5	676.0	679.3	680.9	684.8	692.6	698.4	698.9
170°	676.3	678.2	680.0	680.5	680.7	680.8	680.9	684.8	692.6	698.4	698.4
172.5°	680.0	680.4	680.8	680.9	680.9	680.9	680.9	683.9	690.1	694.7	694.3
175°	685.1	685.1	685.1	685.1	683.7	681.8	680.9	682.9	686.7	689.6	689.6
177.5°	685.1	685.1	685.1	685.1	684.0	682.5	681.8	683.3	686.4	688.7	688.3
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	645.6	643.8	645.6	644.3	645.0	643.2	637.9	636.1	637.9	639.6	639.6
5°	653.3	652.1	653.3	653.3	652.7	651.5	645.6	644.3	645.6	646.2	645.0
7.5°	655.7	653.9	655.7	654.5	654.5	653.3	647.4	646.2	646.7	648.5	646.7
10°	655.7	653.9	655.7	655.1	654.5	653.3	647.4	645.0	645.0	646.7	645.0
12.5°	652.7	651.5	652.7	651.5	651.5	650.4	644.3	642.0	642.6	643.2	640.8
15°	648.0	646.2	648.0	646.7	647.4	645.6	639.0	636.6	636.6	637.9	633.7
17.5°	640.8	638.4	640.8	640.2	639.6	638.4	632.4	630.1	629.5	630.1	627.1
20°	632.4	630.7	632.4	631.9	631.9	629.5	623.6	620.5	620.5	620.5	617.6
22.5°	619.4	617.6	619.4	620.5	620.5	619.9	614.6	610.4	609.3	609.3	605.7
25°	604.5	602.7	604.5	604.5	603.8	604.5	602.7	600.3	598.5	596.7	593.2
27.5°	590.2	589.0	590.2	589.0	590.2	588.4	587.8	587.2	584.8	583.1	578.3
30°	575.9	574.7	575.9	574.7	573.5	572.3	569.3	568.1	570.5	569.3	561.6
32.5°	558.0	556.9	558.0	558.0	556.9	556.9	552.1	550.3	550.9	554.5	547.3
35°	539.5	537.8	539.5	538.9	539.5	537.8	534.8	534.2	531.8	536.0	530.7
37.5°	518.1	516.4	518.1	518.1	518.1	519.3	516.9	515.1	511.6	516.9	512.7
40°	496.1	493.7	496.1	495.5	496.1	497.3	496.1	494.9	491.3	495.5	492.0
42.5°	471.1	470.5	471.1	471.7	471.7	474.0	475.9	473.5	472.2	469.3	471.7
45°	444.3	443.1	444.3	445.4	446.0	447.3	452.6	452.6	450.8	446.0	449.6
47.5°	415.7	412.7	415.7	419.2	419.2	421.1	426.4	430.6	427.6	421.6	423.4
50°	385.3	385.9	385.3	387.7	387.7	394.3	398.4	402.6	405.5	398.4	390.1
52.5°	355.6	354.9	355.6	357.3	359.7	362.7	369.9	374.0	378.7	374.6	361.5
55°	325.7	327.0	325.7	326.3	327.6	329.4	340.0	344.2	353.2	347.8	334.1
57.5°	296.0	294.2	296.0	297.2	297.7	299.5	308.5	316.2	321.6	322.2	305.5
60°	261.4	259.0	261.4	266.8	268.0	269.2	277.5	284.7	289.4	291.2	273.9
62.5°	231.1	226.9	231.1	234.6	237.0	240.0	246.0	256.7	260.8	261.4	237.0
65°	198.9	197.1	198.9	206.0	206.6	210.2	216.8	224.5	233.5	232.3	197.1
67.5°	169.7	169.7	169.7	174.5	178.0	179.8	188.2	191.8	203.1	204.2	164.4
70°	143.0	142.3	143.0	146.5	148.9	153.1	160.8	165.0	173.9	176.9	133.4
72.5°	117.3	116.7	117.3	120.3	122.7	126.3	132.8	137.6	145.3	148.9	103.6
75°	94.7	93.5	94.7	97.1	96.4	101.2	106.6	111.4	118.5	120.9	76.8
77.5°	72.6	72.6	72.6	75.0	75.0	79.8	82.2	88.2	92.4	95.9	56.6
80°	54.2	53.6	54.2	54.8	54.8	57.2	61.4	65.5	69.1	69.1	38.7
82.5°	38.1	36.9	38.1	38.1	38.1	39.3	41.6	42.9	45.3	47.1	24.4
85°	23.8	23.8	23.8	24.4	23.8	25.0	25.6	26.8	26.8	25.6	14.9
87.5°	15.5	14.9	15.5	14.9	14.9	14.3	14.3	14.3	13.7	13.1	8.3
90°	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	30.0	20.2	12.9
92.5°	70.0	56.1	70.0	83.9	87.4	123.9	172.4	196.8	172.8	124.8	88.7
95°	243.9	201.8	243.9	286.0	296.6	389.5	513.3	575.2	485.7	307.0	172.9
97.5°	584.5	504.4	584.5	664.6	684.6	743.3	821.5	860.6	711.6	413.5	189.9
100°	842.1	746.6	842.1	937.5	961.3	957.1	951.3	948.5	783.0	452.3	204.2
102.5°	1095.5	1013.8	1095.5	1177.3	1197.7	1123.0	1023.2	973.3	805.6	470.0	218.4
105°	1418.7	1374.7	1418.7	1462.5	1473.5	1305.9	1082.4	970.6	808.2	483.2	239.6
107.5°	1630.3	1640.9	1630.3	1619.6	1617.0	1383.1	1071.4	915.4	772.2	485.7	270.8
110°	1711.0	1756.7	1711.0	1665.3	1653.8	1392.4	1043.8	869.4	740.3	482.0	288.2



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1718.2	1788.5	1718.2	1648.0	1630.4	1362.8	1006.0	827.6	712.4	482.1	309.4
115°	1672.6	1770.1	1672.6	1575.1	1550.8	1293.0	949.3	777.4	680.5	486.6	341.2
117.5°	1576.0	1684.1	1576.0	1467.9	1440.9	1208.2	898.0	743.0	660.6	495.7	372.0
120°	1498.1	1603.2	1498.1	1393.2	1366.9	1154.3	871.0	729.2	653.8	503.1	389.9
122.5°	1422.3	1525.9	1422.3	1318.8	1292.8	1101.5	846.3	718.7	650.3	513.6	411.1
125°	1314.2	1409.6	1314.2	1218.8	1194.9	1032.3	815.5	707.1	647.4	527.8	438.1
127.5°	1216.9	1297.5	1216.9	1136.5	1116.3	976.7	790.5	697.4	645.7	542.0	464.3
130°	1159.6	1234.1	1159.6	1085.2	1066.7	942.3	776.6	693.8	646.7	552.5	481.8
132.5°	1107.6	1174.2	1107.6	1041.0	1024.4	913.1	764.7	690.6	647.4	560.9	496.1
135°	1036.4	1093.7	1036.4	979.0	964.6	871.5	747.3	685.1	646.7	570.1	512.6
137.5°	979.2	1026.2	979.2	932.1	920.4	841.6	736.6	684.1	650.7	583.9	533.8
140°	939.9	983.9	939.9	896.1	885.1	817.0	726.3	680.9	651.4	592.4	548.1
142.5°	907.4	945.3	907.4	869.6	860.2	800.4	720.8	680.9	653.7	599.4	558.6
145°	858.8	887.4	858.8	830.2	823.0	774.1	708.9	676.3	653.7	608.5	574.7
147.5°	821.3	845.0	821.3	797.7	791.7	753.3	702.0	676.3	658.2	622.0	595.0
150°	797.9	817.0	797.9	778.6	773.8	741.3	698.0	676.3	660.6	629.1	605.5
152.5°	777.6	792.2	777.6	763.1	759.5	731.8	694.8	676.3	662.1	633.8	612.5
155°	754.5	764.1	754.5	744.9	742.5	720.4	691.0	676.3	665.5	643.8	627.5
157.5°	736.2	743.0	736.2	729.5	727.8	710.7	687.8	676.3	668.8	653.9	642.7
160°	725.3	729.2	725.3	721.4	720.4	705.7	686.1	676.3	670.4	658.5	649.7
162.5°	718.2	721.9	718.2	714.5	713.6	701.2	684.6	676.3	672.0	663.4	657.0
165°	707.8	711.7	707.8	703.9	702.9	694.1	682.3	676.3	674.3	670.5	667.6
167.5°	700.5	702.1	700.5	698.9	698.4	692.6	684.8	680.9	679.3	676.0	673.5
170°	698.4	698.4	698.4	698.4	698.4	692.6	684.8	680.9	680.8	680.7	680.5
172.5°	692.9	691.5	692.9	694.3	694.7	690.1	683.9	680.9	680.9	680.9	680.9
175°	689.6	689.6	689.6	689.6	689.6	686.7	682.9	680.9	681.8	683.7	685.1
177.5°	686.7	685.1	686.7	688.3	688.7	686.4	683.3	681.8	682.5	684.0	685.1
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	638.4	634.8	634.8	628.9	626.5	624.7	621.8	612.8	610.4	608.0	611.7
5°	643.8	637.2	632.4	621.8	612.8	609.3	597.9	576.5	562.2	551.4	545.5
7.5°	645.0	636.6	627.7	611.0	589.5	580.0	545.5	506.2	495.5	486.0	480.0
10°	643.8	634.2	621.8	596.7	546.1	529.4	494.9	469.3	462.7	461.0	462.7
12.5°	639.6	630.7	613.4	571.7	500.8	489.6	469.3	454.4	453.2	456.2	472.2
15°	632.4	624.1	603.8	538.4	475.9	467.5	453.2	447.8	454.4	475.3	523.5
17.5°	625.3	615.8	590.8	505.6	456.8	450.8	440.7	451.5	488.3	516.4	532.4
20°	615.8	604.5	575.9	481.8	443.1	437.7	433.0	481.2	509.2	519.3	528.3
22.5°	604.5	592.6	555.6	465.1	428.8	424.6	427.6	497.9	509.2	516.4	524.1
25°	589.5	579.4	531.8	452.0	417.4	412.7	424.0	496.1	502.6	504.4	519.9
27.5°	575.9	562.8	506.8	440.1	403.8	402.0	427.0	488.3	493.1	494.9	511.6
30°	559.2	539.5	478.8	427.6	389.5	388.9	427.6	478.8	477.7	482.4	499.1
32.5°	541.9	505.0	447.3	412.1	375.8	375.2	423.4	464.5	463.4	469.8	482.4
35°	525.9	478.2	404.4	394.3	358.5	359.1	413.3	447.8	448.4	454.4	462.1
37.5°	509.2	455.0	357.3	374.6	341.9	341.9	399.6	432.4	431.2	433.0	443.6
40°	489.6	418.7	315.6	349.0	326.3	324.6	382.9	415.7	411.5	411.0	425.8
42.5°	468.7	378.7	284.7	315.1	308.5	306.1	362.7	395.4	387.7	389.5	408.6
45°	446.0	368.1	260.8	266.2	290.0	288.2	340.6	372.2	366.8	371.6	391.3
47.5°	423.4	346.6	253.1	220.9	270.4	269.8	316.2	349.6	346.6	351.4	372.2
50°	392.5	322.8	252.5	189.4	248.4	250.7	287.1	327.6	327.6	331.8	353.8
52.5°	352.5	293.6	229.3	171.5	222.7	229.9	261.4	308.5	309.6	313.8	333.5
55°	316.2	263.2	212.6	157.8	192.3	207.9	236.4	288.9	291.2	295.3	313.3
57.5°	282.9	219.2	209.0	141.7	164.4	179.3	214.4	269.8	270.9	274.6	291.8
60°	247.1	158.4	191.8	124.5	139.9	151.2	194.1	247.1	251.3	253.7	268.6
62.5°	206.6	114.9	173.9	112.6	128.0	130.4	177.5	225.7	231.1	232.8	241.8
65°	147.1	96.4	147.7	102.5	115.5	116.2	159.6	203.7	208.4	211.4	218.0
67.5°	99.5	78.6	112.6	92.9	106.0	106.6	142.3	178.0	184.6	187.0	191.2
70°	69.1	52.4	83.4	82.8	95.3	96.4	123.9	154.9	160.8	162.6	165.0
72.5°	50.6	42.3	69.1	74.4	84.0	85.2	104.8	128.7	134.6	136.4	137.6
75°	38.7	44.7	55.9	64.9	71.5	72.0	85.8	104.8	109.0	110.2	110.7
77.5°	31.0	41.6	41.1	52.4	58.3	57.2	67.3	81.0	84.5	84.5	84.5
80°	23.3	32.8	31.0	37.6	42.9	41.6	48.2	57.8	59.0	60.1	59.6
82.5°	17.2	20.9	20.9	23.8	28.6	27.4	32.1	37.6	37.6	37.6	38.7
85°	10.7	11.9	9.5	12.5	16.1	15.5	17.8	20.2	20.9	20.9	19.6
87.5°	6.6	5.3	3.0	4.8	7.1	7.1	8.3	9.0	8.3	8.3	8.3
90°	12.0	8.3	4.6	8.3	12.0	12.9	20.2	30.0	34.9	31.0	23.3
92.5°	80.9	49.6	18.4	49.6	80.9	88.7	124.8	172.8	196.8	172.4	123.9
95°	158.6	101.3	44.1	101.3	158.6	172.9	307.0	485.7	575.2	513.3	389.5
97.5°	177.2	126.7	76.3	126.7	177.2	189.9	413.5	711.6	860.6	821.5	743.3
100°	192.7	147.0	101.1	147.0	192.7	204.2	452.3	783.0	948.5	951.3	957.1
102.5°	207.7	165.0	122.3	165.0	207.7	218.4	470.0	805.6	973.3	1023.2	1123.0
105°	230.5	194.4	158.2	194.4	230.5	239.6	483.2	808.2	970.6	1082.4	1305.9
107.5°	262.4	228.7	194.9	228.7	262.4	270.8	485.7	772.2	915.4	1071.4	1383.1
110°	280.6	250.2	219.8	250.2	280.6	288.2	482.0	740.3	869.4	1043.8	1392.4



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	302.1	273.1	244.1	273.1	302.1	309.4	482.1	712.4	827.6	1006.0	1362.8
115°	334.5	307.7	280.9	307.7	334.5	341.2	486.6	680.5	777.4	949.3	1293.0
117.5°	365.9	341.6	317.3	341.6	365.9	372.0	495.7	660.6	743.0	898.0	1208.2
120°	384.2	361.3	338.4	361.3	384.2	389.9	503.1	653.8	729.2	871.0	1154.3
122.5°	405.3	382.2	359.1	382.2	405.3	411.1	513.6	650.3	718.7	846.3	1101.5
125°	432.9	411.9	390.8	411.9	432.9	438.1	527.8	647.4	707.1	815.5	1032.3
127.5°	459.0	437.8	416.6	437.8	459.0	464.3	542.0	645.7	697.4	790.5	976.7
130°	476.1	453.2	430.3	453.2	476.1	481.8	552.5	646.7	693.8	776.6	942.3
132.5°	490.4	467.5	444.6	467.5	490.4	496.1	560.9	647.4	690.6	764.7	913.1
135°	507.4	486.6	465.8	486.6	507.4	512.6	570.1	646.7	685.1	747.3	871.5
137.5°	528.6	507.9	487.3	507.9	528.6	533.8	583.9	650.7	684.1	736.6	841.6
140°	543.3	524.3	505.3	524.3	543.3	548.1	592.4	651.4	680.9	726.3	817.0
142.5°	554.2	536.6	519.0	536.6	554.2	558.6	599.4	653.7	680.9	720.8	800.4
145°	570.9	555.5	540.3	555.5	570.9	574.7	608.5	653.7	676.3	708.9	774.1
147.5°	591.2	576.3	561.4	576.3	591.2	595.0	622.0	658.2	676.3	702.0	753.3
150°	602.2	588.7	575.2	588.7	602.2	605.5	629.1	660.6	676.3	698.0	741.3
152.5°	609.9	599.7	589.5	599.7	609.9	612.5	633.8	662.1	676.3	694.8	731.8
155°	625.7	618.1	610.6	618.1	625.7	627.5	643.8	665.5	676.3	691.0	720.4
157.5°	640.9	633.6	626.2	633.6	640.9	642.7	653.9	668.8	676.3	687.8	710.7
160°	648.2	642.5	636.8	642.5	648.2	649.7	658.5	670.4	676.3	686.1	705.7
162.5°	656.0	651.6	647.4	651.6	656.0	657.0	663.4	672.0	676.3	684.6	701.2
165°	666.6	662.7	658.8	662.7	666.6	667.6	670.5	674.3	676.3	682.3	694.1
167.5°	673.1	671.2	669.5	671.2	673.1	673.5	676.0	679.3	680.9	684.8	692.6
170°	680.0	678.2	676.3	678.2	680.0	680.5	680.7	680.8	680.9	684.8	692.6
172.5°	680.8	680.4	680.0	680.4	680.8	680.9	680.9	680.9	680.9	683.9	690.1
175°	685.1	685.1	685.1	685.1	685.1	685.1	683.7	681.8	680.9	682.9	686.7
177.5°	685.1	685.1	685.1	685.1	685.1	685.1	684.0	682.5	681.8	683.3	686.4
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	607.5	605.7	608.0	601.5	608.0	605.7	607.5	611.7	608.0	610.4	612.8
5°	533.0	530.0	520.5	512.7	520.5	530.0	533.0	545.5	551.4	562.2	576.5
7.5°	476.4	474.0	471.7	466.9	471.7	474.0	476.4	480.0	486.0	495.5	506.2
10°	463.9	464.5	468.1	467.5	468.1	464.5	463.9	462.7	461.0	462.7	469.3
12.5°	496.1	501.5	521.1	519.9	521.1	501.5	496.1	472.2	456.2	453.2	454.4
15°	533.0	534.8	538.9	539.5	538.9	534.8	533.0	523.5	475.3	454.4	447.8
17.5°	536.6	537.2	540.2	540.2	540.2	537.2	536.6	532.4	516.4	488.3	451.5
20°	533.6	534.8	540.8	541.9	540.8	534.8	533.6	528.3	519.3	509.2	481.2
22.5°	532.4	534.8	539.5	538.9	539.5	534.8	532.4	524.1	516.4	509.2	497.9
25°	526.5	526.5	527.0	527.6	527.0	526.5	526.5	519.9	504.4	502.6	496.1
27.5°	514.0	515.1	518.7	518.1	518.7	515.1	514.0	511.6	494.9	493.1	488.3
30°	502.6	501.5	498.4	496.1	498.4	501.5	502.6	499.1	482.4	477.7	478.8
32.5°	483.6	480.6	477.7	475.9	477.7	480.6	483.6	482.4	469.8	463.4	464.5
35°	461.0	461.6	461.0	459.2	461.0	461.6	461.0	462.1	454.4	448.4	447.8
37.5°	444.9	446.0	445.4	443.1	445.4	446.0	444.9	443.6	433.0	431.2	432.4
40°	428.2	428.8	428.2	426.4	428.2	428.8	428.2	425.8	411.0	411.5	415.7
42.5°	412.1	411.5	409.7	408.6	409.7	411.5	412.1	408.6	389.5	387.7	395.4
45°	393.7	394.3	390.6	388.9	390.6	394.3	393.7	391.3	371.6	366.8	372.2
47.5°	375.2	375.2	372.2	370.4	372.2	375.2	375.2	372.2	351.4	346.6	349.6
50°	355.6	354.9	350.8	350.1	350.8	354.9	355.6	353.8	331.8	327.6	327.6
52.5°	332.9	332.9	333.5	334.7	333.5	332.9	332.9	333.5	313.8	309.6	308.5
55°	313.3	313.8	318.0	319.2	318.0	313.8	313.3	313.3	295.3	291.2	288.9
57.5°	293.0	293.0	296.0	296.0	296.0	293.0	293.0	291.8	274.6	270.9	269.8
60°	269.8	270.9	273.3	272.8	273.3	270.9	269.8	268.6	253.7	251.3	247.1
62.5°	245.4	246.6	247.1	246.0	247.1	246.6	245.4	241.8	232.8	231.1	225.7
65°	219.8	220.9	221.6	220.3	221.6	220.9	219.8	218.0	211.4	208.4	203.7
67.5°	193.6	193.0	192.3	194.7	192.3	193.0	193.6	191.2	187.0	184.6	178.0
70°	166.8	166.8	166.1	167.4	166.1	166.8	166.8	165.0	162.6	160.8	154.9
72.5°	138.2	137.6	139.9	138.2	139.9	137.6	138.2	137.6	136.4	134.6	128.7
75°	110.2	111.4	110.2	112.0	110.2	111.4	110.2	110.7	110.2	109.0	104.8
77.5°	84.0	85.2	84.0	84.0	84.0	85.2	84.0	84.5	84.5	84.5	81.0
80°	59.6	59.0	59.0	58.3	59.0	59.0	59.6	59.6	60.1	59.0	57.8
82.5°	38.1	37.6	37.6	38.7	37.6	37.6	38.1	38.7	37.6	37.6	37.6
85°	20.9	21.4	20.2	20.2	20.2	21.4	20.9	19.6	20.9	20.9	20.2
87.5°	7.7	7.1	7.1	7.1	7.1	7.1	7.7	8.3	8.3	8.3	9.0
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	30.0
92.5°	87.4	83.9	70.0	56.1	70.0	83.9	87.4	123.9	172.4	196.8	172.8
95°	296.6	286.0	243.9	201.8	243.9	286.0	296.6	389.5	513.3	575.2	485.7
97.5°	684.6	664.6	584.5	504.4	584.5	664.6	684.6	743.3	821.5	860.6	711.6
100°	961.3	937.5	842.1	746.6	842.1	937.5	961.3	957.1	951.3	948.5	783.0
102.5°	1197.7	1177.3	1095.5	1013.8	1095.5	1177.3	1197.7	1123.0	1023.2	973.3	805.6
105°	1473.5	1462.5	1418.7	1374.7	1418.7	1462.5	1473.5	1305.9	1082.4	970.6	808.2
107.5°	1617.0	1619.6	1630.3	1640.9	1630.3	1619.6	1617.0	1383.1	1071.4	915.4	772.2
110°	1653.8	1665.3	1711.0	1756.7	1711.0	1665.3	1653.8	1392.4	1043.8	869.4	740.3



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1630.4	1648.0	1718.2	1788.5	1718.2	1648.0	1630.4	1362.8	1006.0	827.6	712.4
115°	1550.8	1575.1	1672.6	1770.1	1672.6	1575.1	1550.8	1293.0	949.3	777.4	680.5
117.5°	1440.9	1467.9	1576.0	1684.1	1576.0	1467.9	1440.9	1208.2	898.0	743.0	660.6
120°	1366.9	1393.2	1498.1	1603.2	1498.1	1393.2	1366.9	1154.3	871.0	729.2	653.8
122.5°	1292.8	1318.8	1422.3	1525.9	1422.3	1318.8	1292.8	1101.5	846.3	718.7	650.3
125°	1194.9	1218.8	1314.2	1409.6	1314.2	1218.8	1194.9	1032.3	815.5	707.1	647.4
127.5°	1116.3	1136.5	1216.9	1297.5	1216.9	1136.5	1116.3	976.7	790.5	697.4	645.7
130°	1066.7	1085.2	1159.6	1234.1	1159.6	1085.2	1066.7	942.3	776.6	693.8	646.7
132.5°	1024.4	1041.0	1107.6	1174.2	1107.6	1041.0	1024.4	913.1	764.7	690.6	647.4
135°	964.6	979.0	1036.4	1093.7	1036.4	979.0	964.6	871.5	747.3	685.1	646.7
137.5°	920.4	932.1	979.2	1026.2	979.2	932.1	920.4	841.6	736.6	684.1	650.7
140°	885.1	896.1	939.9	983.9	939.9	896.1	885.1	817.0	726.3	680.9	651.4
142.5°	860.2	869.6	907.4	945.3	907.4	869.6	860.2	800.4	720.8	680.9	653.7
145°	823.0	830.2	858.8	887.4	858.8	830.2	823.0	774.1	708.9	676.3	653.7
147.5°	791.7	797.7	821.3	845.0	821.3	797.7	791.7	753.3	702.0	676.3	658.2
150°	773.8	778.6	797.9	817.0	797.9	778.6	773.8	741.3	698.0	676.3	660.6
152.5°	759.5	763.1	777.6	792.2	777.6	763.1	759.5	731.8	694.8	676.3	662.1
155°	742.5	744.9	754.5	764.1	754.5	744.9	742.5	720.4	691.0	676.3	665.5
157.5°	727.8	729.5	736.2	743.0	736.2	729.5	727.8	710.7	687.8	676.3	668.8
160°	720.4	721.4	725.3	729.2	725.3	721.4	720.4	705.7	686.1	676.3	670.4
162.5°	713.6	714.5	718.2	721.9	718.2	714.5	713.6	701.2	684.6	676.3	672.0
165°	702.9	703.9	707.8	711.7	707.8	703.9	702.9	694.1	682.3	676.3	674.3
167.5°	698.4	698.9	700.5	702.1	700.5	698.9	698.4	692.6	684.8	680.9	679.3
170°	698.4	698.4	698.4	698.4	698.4	698.4	698.4	692.6	684.8	680.9	680.8
172.5°	694.7	694.3	692.9	691.5	692.9	694.3	694.7	690.1	683.9	680.9	680.9
175°	689.6	689.6	689.6	689.6	689.6	689.6	689.6	686.7	682.9	680.9	681.8
177.5°	688.7	688.3	686.7	685.1	686.7	688.3	688.7	686.4	683.3	681.8	682.5
180°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	629.5	629.5	629.5	629.5	629.5
2.5°	621.8	624.7	626.5	628.9	634.8
5°	597.9	609.3	612.8	621.8	632.4
7.5°	545.5	580.0	589.5	611.0	627.7
10°	494.9	529.4	546.1	596.7	621.8
12.5°	469.3	489.6	500.8	571.7	613.4
15°	453.2	467.5	475.9	538.4	603.8
17.5°	440.7	450.8	456.8	505.6	590.8
20°	433.0	437.7	443.1	481.8	575.9
22.5°	427.6	424.6	428.8	465.1	555.6
25°	424.0	412.7	417.4	452.0	531.8
27.5°	427.0	402.0	403.8	440.1	506.8
30°	427.6	388.9	389.5	427.6	478.8
32.5°	423.4	375.2	375.8	412.1	447.3
35°	413.3	359.1	358.5	394.3	404.4
37.5°	399.6	341.9	341.9	374.6	357.3
40°	382.9	324.6	326.3	349.0	315.6
42.5°	362.7	306.1	308.5	315.1	284.7
45°	340.6	288.2	290.0	266.2	260.8
47.5°	316.2	269.8	270.4	220.9	253.1
50°	287.1	250.7	248.4	189.4	252.5
52.5°	261.4	229.9	222.7	171.5	229.3
55°	236.4	207.9	192.3	157.8	212.6
57.5°	214.4	179.3	164.4	141.7	209.0
60°	194.1	151.2	139.9	124.5	191.8
62.5°	177.5	130.4	128.0	112.6	173.9
65°	159.6	116.2	115.5	102.5	147.7
67.5°	142.3	106.6	106.0	92.9	112.6
70°	123.9	96.4	95.3	82.8	83.4
72.5°	104.8	85.2	84.0	74.4	69.1
75°	85.8	72.0	71.5	64.9	55.9
77.5°	67.3	57.2	58.3	52.4	41.1
80°	48.2	41.6	42.9	37.6	31.0
82.5°	32.1	27.4	28.6	23.8	20.9
85°	17.8	15.5	16.1	12.5	9.5
87.5°	8.3	7.1	7.1	4.8	3.0
90°	20.2	12.9	12.0	8.3	4.6
92.5°	124.8	88.7	80.9	49.6	18.4
95°	307.0	172.9	158.6	101.3	44.1
97.5°	413.5	189.9	177.2	126.7	76.3
100°	452.3	204.2	192.7	147.0	101.1
102.5°	470.0	218.4	207.7	165.0	122.3
105°	483.2	239.6	230.5	194.4	158.2
107.5°	485.7	270.8	262.4	228.7	194.9
110°	482.0	288.2	280.6	250.2	219.8



TEST NUMBER: P935474

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	482.1	309.4	302.1	273.1	244.1
115°	486.6	341.2	334.5	307.7	280.9
117.5°	495.7	372.0	365.9	341.6	317.3
120°	503.1	389.9	384.2	361.3	338.4
122.5°	513.6	411.1	405.3	382.2	359.1
125°	527.8	438.1	432.9	411.9	390.8
127.5°	542.0	464.3	459.0	437.8	416.6
130°	552.5	481.8	476.1	453.2	430.3
132.5°	560.9	496.1	490.4	467.5	444.6
135°	570.1	512.6	507.4	486.6	465.8
137.5°	583.9	533.8	528.6	507.9	487.3
140°	592.4	548.1	543.3	524.3	505.3
142.5°	599.4	558.6	554.2	536.6	519.0
145°	608.5	574.7	570.9	555.5	540.3
147.5°	622.0	595.0	591.2	576.3	561.4
150°	629.1	605.5	602.2	588.7	575.2
152.5°	633.8	612.5	609.9	599.7	589.5
155°	643.8	627.5	625.7	618.1	610.6
157.5°	653.9	642.7	640.9	633.6	626.2
160°	658.5	649.7	648.2	642.5	636.8
162.5°	663.4	657.0	656.0	651.6	647.4
165°	670.5	667.6	666.6	662.7	658.8
167.5°	676.0	673.5	673.1	671.2	669.5
170°	680.7	680.5	680.0	678.2	676.3
172.5°	680.9	680.9	680.8	680.4	680.0
175°	683.7	685.1	685.1	685.1	685.1
177.5°	684.0	685.1	685.1	685.1	685.1
180°	685.1	685.1	685.1	685.1	685.1



TEST NUMBER: P935474
 CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-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	8.27	8.96	9.40	10.08	11.65	11.07	11.75	12.20	12.88	14.45
	3H	8.73	9.35	9.87	10.48	12.06	12.39	13.00	13.53	14.14	15.72
	4H	8.92	9.50	10.07	10.63	12.22	12.82	13.40	13.97	14.54	16.12
	6H	9.03	9.56	10.19	10.70	12.30	13.09	13.62	14.24	14.76	16.36
	8H	9.02	9.53	10.18	10.68	12.28	13.15	13.66	14.31	14.81	16.40
	12H	8.99	9.47	10.15	10.62	12.23	13.18	13.66	14.34	14.81	16.42
4H	2H	9.27	9.86	10.43	10.99	12.58	11.46	12.04	12.61	13.17	14.76
	3H	10.28	10.77	11.45	11.93	13.53	12.94	13.42	14.10	14.58	16.18
	4H	10.55	11.00	11.72	12.15	13.77	13.45	13.90	14.62	15.04	16.66
	6H	10.67	11.05	11.84	12.22	13.83	13.80	14.18	14.97	15.35	16.96
	8H	10.67	11.03	11.84	12.19	13.81	13.89	14.25	15.06	15.41	17.04
	12H	10.63	10.95	11.81	12.12	13.76	13.94	14.26	15.12	15.43	17.06
8H	4H	10.99	11.34	12.16	12.50	14.13	13.56	13.92	14.73	15.08	16.71
	6H	11.24	11.54	12.43	12.74	14.36	13.98	14.28	15.17	15.48	17.10
	8H	11.28	11.54	12.48	12.72	14.36	14.13	14.38	15.32	15.57	17.21
	12H	11.26	11.48	12.46	12.66	14.34	14.21	14.44	15.41	15.62	17.29
12H	4H	10.98	11.31	12.17	12.48	14.11	13.52	13.84	14.70	15.01	16.64
	6H	11.30	11.56	12.49	12.74	14.38	13.98	14.23	15.17	15.42	17.06
	8H	11.36	11.58	12.56	12.76	14.44	14.13	14.35	15.32	15.53	17.21