

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: P935082

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935082
REPORT IS A COMBINATION OF REPORTS P933738 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

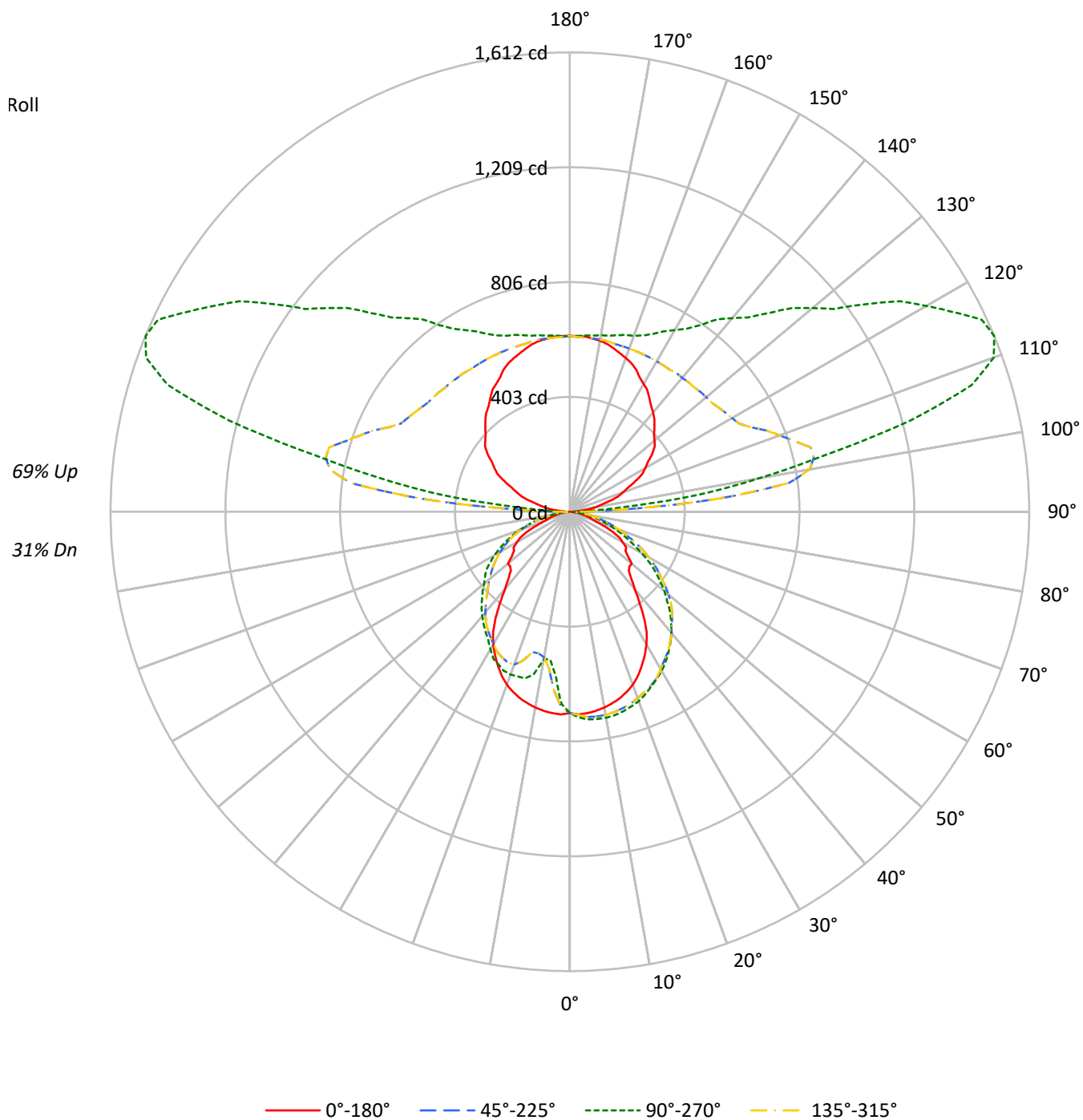
Lumens per Lamp: N/A
Luminaire Lumens: 5834.6 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	103	103	103	103	92	92	92	92		73	73	73		55	55	55		39	39	39
1	94	89	86	82	84	81	77	75		64	62	60		49	47	46		35	34	33
2	85	78	72	67	76	70	65	61		56	53	50		43	40	38		30	29	28
3	78	69	62	56	70	62	56	51		49	45	42		38	35	32		27	25	24
4	71	61	53	47	64	55	48	43		44	39	35		34	30	28		24	22	20
5	65	54	46	40	58	49	42	37		39	34	30		30	27	24		22	19	18
6	60	48	40	35	54	44	37	32		35	30	26		27	24	21		20	17	15
7	55	43	36	30	49	39	33	28		32	27	23		25	21	18		18	15	14
8	51	39	32	27	46	36	29	24		29	24	20		22	19	16		16	14	12
9	47	36	28	23	43	32	26	22		26	21	18		20	17	15		15	13	11
10	44	33	26	21	40	30	23	19		24	19	16		19	15	13		14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6552	6552	6552	6552
5°	6593	6614	6593	5200
10°	6542	6515	6542	4658
15°	6463	6374	6463	5322
20°	6321	6206	6321	5333
25°	6037	5962	6037	5220
30°	5672	5760	5672	4973
35°	5050	5504	5050	4699
40°	4200	5203	4200	4494
45°	3745	4850	3745	4255
50°	3971	4429	3971	4018
55°	3724	3975	3724	3882
60°	3826	3375	3826	3555
65°	3451	2791	3451	3119
70°	2374	2225	2374	2615
75°	2056	1645	2056	1969
80°	1629	1088	1629	1182
85°	886	575	886	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5752 cd/sqm

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.1
10°-20°	181.0	3.1
20°-30°	279.7	4.8
30°-40°	333.9	5.7
40°-50°	335.9	5.8
50°-60°	292.3	5.0
60°-70°	207.2	3.6
70°-80°	109.6	1.9
80°-90°	29.7	0.5
90°-100°	300.9	5.2
100°-110°	791.1	13.6
110°-120°	820.2	14.1
120°-130°	657.9	11.3
130°-140°	516.2	8.8
140°-150°	396.2	6.8
150°-160°	285.4	4.9
160°-170°	174.6	3.0
170°-180°	59.0	1.0
0°-30°	524.4	9.0
0°-40°	858.3	14.7
0°-60°	1486.5	25.5
0°-90°	1833.0	31.4
90°-120°	1912.2	32.8
90°-150°	3482.6	59.7
90°-180°	4002.0	68.6
0°-180°	5834.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	706	706	706	706	706	
5°	709	732	709	575	709	67
15°	677	725	677	605	677	191
25°	596	676	596	592	596	274
35°	454	603	454	515	454	281
45°	292	497	292	436	292	234
55°	238	367	238	358	238	219
65°	166	221	166	247	166	158
75°	63	105	63	126	63	66
85°	11	27	11	23	11	14
90°	4	16	4	16	4	4
95°	40	182	40	182	40	44
105°	142	1239	142	1239	142	151
115°	253	1595	253	1595	253	250
125°	352	1270	352	1270	352	313
135°	420	986	420	986	420	325
145°	487	800	487	800	487	305
155°	550	688	550	688	550	253
165°	594	641	594	641	594	168
175°	617	621	617	621	617	59
180°	617	617	617	617	617	

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	712.0	712.0	716.0	717.4	717.4	715.4	713.4	715.4	721.4	723.4	722.7
5°	709.4	714.7	722.1	723.4	724.8	724.1	722.7	724.1	730.8	732.1	732.8
7.5°	704.1	714.0	723.4	725.4	727.4	725.4	724.8	726.1	732.8	734.1	734.1
10°	697.4	711.3	722.1	723.4	725.4	723.4	723.4	726.1	732.8	734.1	734.7
12.5°	688.0	707.4	717.4	718.7	721.4	720.7	720.1	722.7	729.5	730.8	730.8
15°	677.3	700.0	709.4	710.7	715.4	714.0	714.0	716.7	724.1	726.1	725.4
17.5°	662.6	690.7	701.4	703.4	706.8	706.1	706.8	709.4	716.0	717.4	718.1
20°	645.9	678.0	690.7	692.7	696.0	696.0	696.0	699.4	706.1	708.8	708.8
22.5°	623.2	664.6	678.0	679.4	683.4	683.4	684.7	689.3	695.3	696.0	696.0
25°	596.5	649.9	661.2	665.3	669.3	671.3	673.3	676.0	678.0	677.3	678.0
27.5°	568.4	631.3	645.9	648.6	654.0	656.0	658.7	659.3	659.9	661.9	660.6
30°	537.0	605.2	627.2	629.9	638.5	639.9	637.2	638.5	641.9	643.2	644.6
32.5°	501.7	566.4	607.9	613.8	621.9	617.9	617.2	619.2	624.6	624.6	625.9
35°	453.6	536.3	589.8	595.2	601.2	596.5	599.2	599.8	603.2	605.2	604.5
37.5°	400.8	510.4	571.1	575.1	579.8	573.8	577.8	579.8	582.5	581.2	581.2
40°	354.0	469.6	549.1	551.8	555.8	551.1	555.1	556.5	557.8	556.5	555.8
42.5°	319.3	424.8	525.7	529.1	526.4	529.7	531.1	533.8	531.7	529.1	529.1
45°	292.5	412.8	500.3	504.3	500.3	505.7	507.7	507.7	501.7	500.3	499.6
47.5°	283.9	388.7	474.9	474.9	472.9	479.6	483.0	478.3	472.3	470.2	470.2
50°	283.3	362.0	440.2	437.5	446.9	454.9	451.6	446.9	442.2	434.9	434.9
52.5°	257.2	329.3	395.4	405.5	420.1	424.8	419.5	414.8	406.8	403.5	400.8
55°	238.4	295.2	354.7	374.7	390.1	396.1	386.0	381.4	369.4	367.4	366.0
57.5°	234.5	245.8	317.3	342.6	361.3	360.8	354.7	346.0	336.0	334.0	333.4
60°	215.1	177.7	277.2	307.3	326.6	324.6	319.3	311.2	301.9	300.6	299.3
62.5°	195.0	128.9	231.8	265.8	293.2	292.5	287.9	275.9	269.2	265.8	263.1
65°	165.6	108.2	165.0	221.1	260.6	261.8	251.8	243.1	235.8	231.8	231.1
67.5°	126.3	88.1	111.6	184.4	229.1	227.8	215.1	211.1	201.7	199.7	195.7
70°	93.5	58.8	77.5	149.6	198.4	195.0	185.1	180.4	171.7	167.0	164.3
72.5°	77.5	47.4	56.8	116.2	167.0	162.9	154.3	149.0	141.6	137.6	135.0
75°	62.7	50.1	43.4	86.2	135.6	133.0	124.9	119.5	113.5	108.2	108.9
77.5°	46.1	46.7	34.8	63.4	107.6	103.6	98.9	92.2	89.5	84.2	84.2
80°	34.8	36.8	26.1	43.4	77.5	77.5	73.5	68.8	64.1	61.5	61.5
82.5°	23.4	23.4	19.3	27.4	52.8	50.8	48.1	46.7	44.1	42.7	42.7
85°	10.7	13.3	12.1	16.7	28.7	30.1	30.1	28.7	28.1	26.7	27.4
87.5°	3.4	6.0	7.4	9.4	14.7	15.3	16.0	16.0	16.0	16.7	16.7
90°	4.2	7.5	10.8	11.6	18.2	27.1	31.5	28.0	21.0	15.7	15.7
92.5°	16.5	44.7	72.9	80.0	112.4	155.7	177.3	155.4	111.6	78.7	75.6
95°	39.7	91.3	142.9	155.8	276.6	437.6	518.2	462.4	350.9	267.2	257.8
97.5°	68.7	114.2	159.8	171.1	372.6	641.2	775.5	740.2	669.7	616.8	598.8
100°	91.1	132.4	173.6	184.0	407.6	705.7	854.7	857.3	862.3	866.2	844.7
102.5°	110.2	148.7	187.1	196.8	423.6	725.9	877.1	922.0	1011.8	1079.2	1060.7
105°	142.5	175.1	207.7	215.8	435.5	728.2	874.6	975.3	1176.7	1327.8	1317.9
107.5°	175.7	206.1	236.5	244.0	437.6	695.7	824.8	965.3	1246.3	1457.0	1459.4
110°	198.0	225.5	252.9	259.8	434.3	667.0	783.4	940.4	1254.6	1490.1	1500.5

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	220.0	246.1	272.2	278.8	434.5	641.9	745.7	906.5	1227.9	1469.0	1484.8
115°	253.1	277.2	301.3	307.4	438.4	613.2	700.6	855.5	1165.1	1397.4	1419.3
117.5°	285.9	307.8	329.7	335.2	446.6	595.2	669.5	809.2	1088.7	1298.4	1322.7
120°	304.9	325.5	346.1	351.3	453.2	589.1	657.1	784.7	1040.1	1231.7	1255.4
122.5°	323.6	344.4	365.2	370.4	462.7	585.9	647.5	762.4	992.4	1164.9	1188.2
125°	352.2	371.1	390.0	394.8	475.6	583.3	637.1	734.8	930.2	1076.7	1098.2
127.5°	375.3	394.4	413.6	418.4	488.4	581.8	628.5	712.3	880.1	1005.9	1024.0
130°	387.7	408.4	429.0	434.2	497.8	582.8	625.2	699.9	849.2	961.1	977.9
132.5°	400.6	421.2	441.8	447.0	505.4	583.3	622.2	689.0	822.7	923.0	938.0
135°	419.7	438.4	457.3	461.9	513.7	582.8	617.3	673.3	785.1	869.1	882.1
137.5°	439.1	457.8	476.3	481.0	526.1	586.3	616.4	663.7	758.4	829.4	839.9
140°	455.3	472.4	489.5	493.8	533.8	586.9	613.5	654.4	736.1	797.5	807.4
142.5°	467.7	483.6	499.4	503.4	540.1	589.0	613.5	649.4	721.2	775.1	783.7
145°	486.7	500.6	514.3	517.8	548.4	589.1	609.5	638.8	697.5	741.5	748.0
147.5°	505.9	519.3	532.7	536.0	560.5	593.1	609.5	632.6	678.8	713.4	718.8
150°	518.2	530.4	542.5	545.6	566.9	595.3	609.5	629.0	667.9	697.2	701.5
152.5°	531.1	540.2	549.5	551.8	571.0	596.6	609.5	626.1	659.4	684.4	687.6
155°	550.2	557.0	563.8	565.5	580.2	599.7	609.5	622.7	649.2	669.0	671.2
157.5°	564.2	570.9	577.5	579.2	589.2	602.7	609.5	619.7	640.3	655.8	657.3
160°	573.8	579.0	584.1	585.3	593.4	604.1	609.5	618.3	635.9	649.2	650.1
162.5°	583.3	587.1	591.0	592.0	597.8	605.6	609.5	616.9	631.8	642.9	643.7
165°	593.6	597.1	600.6	601.5	604.2	607.7	609.5	614.8	625.5	633.5	634.4
167.5°	603.2	604.9	606.6	607.0	609.2	612.0	613.5	617.0	624.0	629.3	629.7
170°	609.5	611.0	612.7	613.1	613.2	613.4	613.5	617.0	624.0	629.3	629.3
172.5°	612.7	613.1	613.4	613.5	613.5	613.5	613.5	616.3	621.8	626.0	625.7
175°	617.3	617.3	617.3	617.3	616.0	614.3	613.5	615.3	618.8	621.4	621.4
177.5°	617.3	617.3	617.3	617.3	616.3	615.0	614.3	615.7	618.5	620.6	620.2
180°	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3

TEST NUMBER: P935082

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	724.1	722.1	724.1	722.7	723.4	721.4	715.4	713.4	715.4	717.4	717.4
5°	732.8	731.5	732.8	732.8	732.1	730.8	724.1	722.7	724.1	724.8	723.4
7.5°	735.4	733.5	735.4	734.1	734.1	732.8	726.1	724.8	725.4	727.4	725.4
10°	735.4	733.5	735.4	734.7	734.1	732.8	726.1	723.4	723.4	725.4	723.4
12.5°	732.1	730.8	732.1	730.8	730.8	729.5	722.7	720.1	720.7	721.4	718.7
15°	726.8	724.8	726.8	725.4	726.1	724.1	716.7	714.0	714.0	715.4	710.7
17.5°	718.7	716.0	718.7	718.1	717.4	716.0	709.4	706.8	706.1	706.8	703.4
20°	709.4	707.4	709.4	708.8	708.8	706.1	699.4	696.0	696.0	696.0	692.7
22.5°	694.7	692.7	694.7	696.0	696.0	695.3	689.3	684.7	683.4	683.4	679.4
25°	678.0	676.0	678.0	678.0	677.3	678.0	676.0	673.3	671.3	669.3	665.3
27.5°	661.9	660.6	661.9	660.6	661.9	659.9	659.3	658.7	656.0	654.0	648.6
30°	645.9	644.6	645.9	644.6	643.2	641.9	638.5	637.2	639.9	638.5	629.9
32.5°	625.9	624.6	625.9	625.9	624.6	624.6	619.2	617.2	617.9	621.9	613.8
35°	605.2	603.2	605.2	604.5	605.2	603.2	599.8	599.2	596.5	601.2	595.2
37.5°	581.2	579.2	581.2	581.2	581.2	582.5	579.8	577.8	573.8	579.8	575.1
40°	556.5	553.8	556.5	555.8	556.5	557.8	556.5	555.1	551.1	555.8	551.8
42.5°	528.4	527.7	528.4	529.1	529.1	531.7	533.8	531.1	529.7	526.4	529.1
45°	498.3	497.0	498.3	499.6	500.3	501.7	507.7	507.7	505.7	500.3	504.3
47.5°	466.2	462.9	466.2	470.2	470.2	472.3	478.3	483.0	479.6	472.9	474.9
50°	432.2	432.9	432.2	434.9	434.9	442.2	446.9	451.6	454.9	446.9	437.5
52.5°	398.8	398.1	398.8	400.8	403.5	406.8	414.8	419.5	424.8	420.1	405.5
55°	365.3	366.7	365.3	366.0	367.4	369.4	381.4	386.0	396.1	390.1	374.7
57.5°	332.0	330.0	332.0	333.4	334.0	336.0	346.0	354.7	360.8	361.3	342.6
60°	293.2	290.5	293.2	299.3	300.6	301.9	311.2	319.3	324.6	326.6	307.3
62.5°	259.2	254.5	259.2	263.1	265.8	269.2	275.9	287.9	292.5	293.2	265.8
65°	223.1	221.1	223.1	231.1	231.8	235.8	243.1	251.8	261.8	260.6	221.1
67.5°	190.3	190.3	190.3	195.7	199.7	201.7	211.1	215.1	227.8	229.1	184.4
70°	160.4	159.7	160.4	164.3	167.0	171.7	180.4	185.1	195.0	198.4	149.6
72.5°	131.6	130.9	131.6	135.0	137.6	141.6	149.0	154.3	162.9	167.0	116.2
75°	106.2	104.9	106.2	108.9	108.2	113.5	119.5	124.9	133.0	135.6	86.2
77.5°	81.5	81.5	81.5	84.2	84.2	89.5	92.2	98.9	103.6	107.6	63.4
80°	60.8	60.2	60.8	61.5	61.5	64.1	68.8	73.5	77.5	77.5	43.4
82.5°	42.7	41.4	42.7	42.7	42.7	44.1	46.7	48.1	50.8	52.8	27.4
85°	26.7	26.7	26.7	27.4	26.7	28.1	28.7	30.1	30.1	28.7	16.7
87.5°	17.3	16.7	17.3	16.7	16.7	16.0	16.0	16.0	15.3	14.7	9.4
90°	15.7	15.7	15.7	15.7	15.7	21.0	28.0	31.5	27.1	18.2	11.6
92.5°	63.0	50.5	63.0	75.6	78.7	111.6	155.4	177.3	155.7	112.4	80.0
95°	219.8	181.9	219.8	257.8	267.2	350.9	462.4	518.2	437.6	276.6	155.8
97.5°	526.6	454.5	526.6	598.8	616.8	669.7	740.2	775.5	641.2	372.6	171.1
100°	758.8	672.8	758.8	844.7	866.2	862.3	857.3	854.7	705.7	407.6	184.0
102.5°	987.1	913.5	987.1	1060.7	1079.2	1011.8	922.0	877.1	725.9	423.6	196.8
105°	1278.3	1238.7	1278.3	1317.9	1327.8	1176.7	975.3	874.6	728.2	435.5	215.8
107.5°	1469.0	1478.6	1469.0	1459.4	1457.0	1246.3	965.3	824.8	695.7	437.6	244.0
110°	1541.7	1582.9	1541.7	1500.5	1490.1	1254.6	940.4	783.4	667.0	434.3	259.8



TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1548.2	1611.5	1548.2	1484.8	1469.0	1227.9	906.5	745.7	641.9	434.5	278.8
115°	1507.1	1595.0	1507.1	1419.3	1397.4	1165.1	855.5	700.6	613.2	438.4	307.4
117.5°	1420.1	1517.5	1420.1	1322.7	1298.4	1088.7	809.2	669.5	595.2	446.6	335.2
120°	1350.0	1444.6	1350.0	1255.4	1231.7	1040.1	784.7	657.1	589.1	453.2	351.3
122.5°	1281.7	1375.0	1281.7	1188.2	1164.9	992.4	762.4	647.5	585.9	462.7	370.4
125°	1184.1	1270.2	1184.1	1098.2	1076.7	930.2	734.8	637.1	583.3	475.6	394.8
127.5°	1096.6	1169.1	1096.6	1024.0	1005.9	880.1	712.3	628.5	581.8	488.4	418.4
130°	1044.9	1111.9	1044.9	977.9	961.1	849.2	699.9	625.2	582.8	497.8	434.2
132.5°	998.0	1058.1	998.0	938.0	923.0	822.7	689.0	622.2	583.3	505.4	447.0
135°	933.8	985.5	933.8	882.1	869.1	785.1	673.3	617.3	582.8	513.7	461.9
137.5°	882.4	924.7	882.4	839.9	829.4	758.4	663.7	616.4	586.3	526.1	481.0
140°	847.0	886.5	847.0	807.4	797.5	736.1	654.4	613.5	586.9	533.8	493.8
142.5°	817.7	851.8	817.7	783.7	775.1	721.2	649.4	613.5	589.0	540.1	503.4
145°	773.8	799.6	773.8	748.0	741.5	697.5	638.8	609.5	589.1	548.4	517.8
147.5°	740.1	761.4	740.1	718.8	713.4	678.8	632.6	609.5	593.1	560.5	536.0
150°	718.8	736.1	718.8	701.5	697.2	667.9	629.0	609.5	595.3	566.9	545.6
152.5°	700.7	713.8	700.7	687.6	684.4	659.4	626.1	609.5	596.6	571.0	551.8
155°	679.9	688.5	679.9	671.2	669.0	649.2	622.7	609.5	599.7	580.2	565.5
157.5°	663.4	669.5	663.4	657.3	655.8	640.3	619.7	609.5	602.7	589.2	579.2
160°	653.6	657.1	653.6	650.1	649.2	635.9	618.3	609.5	604.1	593.4	585.3
162.5°	647.1	650.4	647.1	643.7	642.9	631.8	616.9	609.5	605.6	597.8	592.0
165°	637.8	641.3	637.8	634.4	633.5	625.5	614.8	609.5	607.7	604.2	601.5
167.5°	631.1	632.6	631.1	629.7	629.3	624.0	617.0	613.5	612.0	609.2	607.0
170°	629.3	629.3	629.3	629.3	629.3	624.0	617.0	613.5	613.4	613.2	613.1
172.5°	624.4	623.1	624.4	625.7	626.0	621.8	616.3	613.5	613.5	613.5	613.5
175°	621.4	621.4	621.4	621.4	621.4	618.8	615.3	613.5	614.3	616.0	617.3
177.5°	618.8	617.3	618.8	620.2	620.6	618.5	615.7	614.3	615.0	616.3	617.3
180°	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	716.0	712.0	712.0	705.4	702.7	700.7	697.4	687.3	684.7	682.0	686.0
5°	722.1	714.7	709.4	697.4	687.3	683.4	670.6	646.6	630.6	618.5	611.8
7.5°	723.4	714.0	704.1	685.3	661.2	650.6	611.8	567.8	555.8	545.1	538.3
10°	722.1	711.3	697.4	669.3	612.5	593.8	555.1	526.4	519.0	517.0	519.0
12.5°	717.4	707.4	688.0	641.2	561.7	549.1	526.4	509.7	508.4	511.6	529.7
15°	709.4	700.0	677.3	603.9	533.8	524.4	508.4	502.3	509.7	533.1	587.1
17.5°	701.4	690.7	662.6	567.1	512.3	505.7	494.3	506.4	547.7	579.2	597.2
20°	690.7	678.0	645.9	540.4	497.0	490.9	485.6	539.7	571.1	582.5	592.5
22.5°	678.0	664.6	623.2	521.7	481.0	476.3	479.6	558.5	571.1	579.2	587.8
25°	661.2	649.9	596.5	507.0	468.2	462.9	475.6	556.5	563.7	565.7	583.2
27.5°	645.9	631.3	568.4	493.6	452.9	450.9	479.0	547.7	553.1	555.1	573.8
30°	627.2	605.2	537.0	479.6	436.8	436.1	479.6	537.0	535.7	541.0	559.8
32.5°	607.9	566.4	501.7	462.2	421.5	420.8	474.9	521.0	519.7	527.0	541.0
35°	589.8	536.3	453.6	442.2	402.1	402.8	463.5	502.3	503.0	509.7	518.3
37.5°	571.1	510.4	400.8	420.1	383.5	383.5	448.2	485.0	483.7	485.6	497.6
40°	549.1	469.6	354.0	391.4	366.0	364.0	429.5	466.2	461.5	460.9	477.6
42.5°	525.7	424.8	319.3	353.4	346.0	343.3	406.8	443.5	434.9	436.8	458.3
45°	500.3	412.8	292.5	298.6	325.3	323.3	382.1	417.5	411.4	416.8	438.8
47.5°	474.9	388.7	283.9	247.8	303.3	302.6	354.7	392.1	388.7	394.1	417.5
50°	440.2	362.0	283.3	212.4	278.6	281.2	322.0	367.4	367.4	372.1	396.8
52.5°	395.4	329.3	257.2	192.3	249.8	257.9	293.2	346.0	347.3	352.0	374.1
55°	354.7	295.2	238.4	177.0	215.7	233.2	265.1	324.0	326.6	331.3	351.4
57.5°	317.3	245.8	234.5	159.0	184.4	201.1	240.4	302.6	303.9	308.0	327.3
60°	277.2	177.7	215.1	139.6	157.0	169.6	217.7	277.2	281.9	284.6	301.3
62.5°	231.8	128.9	195.0	126.3	143.6	146.3	199.1	253.2	259.2	261.2	271.2
65°	165.0	108.2	165.6	114.9	129.6	130.3	179.0	228.5	233.8	237.1	244.5
67.5°	111.6	88.1	126.3	104.2	118.9	119.5	159.7	199.7	207.1	209.8	214.4
70°	77.5	58.8	93.5	92.8	106.9	108.2	138.9	173.7	180.4	182.4	185.1
72.5°	56.8	47.4	77.5	83.5	94.2	95.5	117.5	144.3	151.0	153.0	154.3
75°	43.4	50.1	62.7	72.8	80.2	80.8	96.2	117.5	122.2	123.6	124.2
77.5°	34.8	46.7	46.1	58.8	65.4	64.1	75.5	90.8	94.8	94.8	94.8
80°	26.1	36.8	34.8	42.1	48.1	46.7	54.1	64.8	66.1	67.4	66.8
82.5°	19.3	23.4	23.4	26.7	32.1	30.8	36.1	42.1	42.1	42.1	43.4
85°	12.1	13.3	10.7	14.0	18.0	17.3	20.0	22.7	23.4	23.4	22.0
87.5°	7.4	6.0	3.4	5.4	8.0	8.0	9.4	10.1	9.4	9.4	9.4
90°	10.8	7.5	4.2	7.5	10.8	11.6	18.2	27.1	31.5	28.0	21.0
92.5°	72.9	44.7	16.5	44.7	72.9	80.0	112.4	155.7	177.3	155.4	111.6
95°	142.9	91.3	39.7	91.3	142.9	155.8	276.6	437.6	518.2	462.4	350.9
97.5°	159.8	114.2	68.7	114.2	159.8	171.1	372.6	641.2	775.5	740.2	669.7
100°	173.6	132.4	91.1	132.4	173.6	184.0	407.6	705.7	854.7	857.3	862.3
102.5°	187.1	148.7	110.2	148.7	187.1	196.8	423.6	725.9	877.1	922.0	1011.8
105°	207.7	175.1	142.5	175.1	207.7	215.8	435.5	728.2	874.6	975.3	1176.7
107.5°	236.5	206.1	175.7	206.1	236.5	244.0	437.6	695.7	824.8	965.3	1246.3
110°	252.9	225.5	198.0	225.5	252.9	259.8	434.3	667.0	783.4	940.4	1254.6

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	272.2	246.1	220.0	246.1	272.2	278.8	434.5	641.9	745.7	906.5	1227.9
115°	301.3	277.2	253.1	277.2	301.3	307.4	438.4	613.2	700.6	855.5	1165.1
117.5°	329.7	307.8	285.9	307.8	329.7	335.2	446.6	595.2	669.5	809.2	1088.7
120°	346.1	325.5	304.9	325.5	346.1	351.3	453.2	589.1	657.1	784.7	1040.1
122.5°	365.2	344.4	323.6	344.4	365.2	370.4	462.7	585.9	647.5	762.4	992.4
125°	390.0	371.1	352.2	371.1	390.0	394.8	475.6	583.3	637.1	734.8	930.2
127.5°	413.6	394.4	375.3	394.4	413.6	418.4	488.4	581.8	628.5	712.3	880.1
130°	429.0	408.4	387.7	408.4	429.0	434.2	497.8	582.8	625.2	699.9	849.2
132.5°	441.8	421.2	400.6	421.2	441.8	447.0	505.4	583.3	622.2	689.0	822.7
135°	457.3	438.4	419.7	438.4	457.3	461.9	513.7	582.8	617.3	673.3	785.1
137.5°	476.3	457.8	439.1	457.8	476.3	481.0	526.1	586.3	616.4	663.7	758.4
140°	489.5	472.4	455.3	472.4	489.5	493.8	533.8	586.9	613.5	654.4	736.1
142.5°	499.4	483.6	467.7	483.6	499.4	503.4	540.1	589.0	613.5	649.4	721.2
145°	514.3	500.6	486.7	500.6	514.3	517.8	548.4	589.1	609.5	638.8	697.5
147.5°	532.7	519.3	505.9	519.3	532.7	536.0	560.5	593.1	609.5	632.6	678.8
150°	542.5	530.4	518.2	530.4	542.5	545.6	566.9	595.3	609.5	629.0	667.9
152.5°	549.5	540.2	531.1	540.2	549.5	551.8	571.0	596.6	609.5	626.1	659.4
155°	563.8	557.0	550.2	557.0	563.8	565.5	580.2	599.7	609.5	622.7	649.2
157.5°	577.5	570.9	564.2	570.9	577.5	579.2	589.2	602.7	609.5	619.7	640.3
160°	584.1	579.0	573.8	579.0	584.1	585.3	593.4	604.1	609.5	618.3	635.9
162.5°	591.0	587.1	583.3	587.1	591.0	592.0	597.8	605.6	609.5	616.9	631.8
165°	600.6	597.1	593.6	597.1	600.6	601.5	604.2	607.7	609.5	614.8	625.5
167.5°	606.6	604.9	603.2	604.9	606.6	607.0	609.2	612.0	613.5	617.0	624.0
170°	612.7	611.0	609.5	611.0	612.7	613.1	613.2	613.4	613.5	617.0	624.0
172.5°	613.4	613.1	612.7	613.1	613.4	613.5	613.5	613.5	613.5	616.3	621.8
175°	617.3	617.3	617.3	617.3	617.3	617.3	616.0	614.3	613.5	615.3	618.8
177.5°	617.3	617.3	617.3	617.3	617.3	617.3	616.3	615.0	614.3	615.7	618.5
180°	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	681.4	679.4	682.0	674.7	682.0	679.4	681.4	686.0	682.0	684.7	687.3
5°	597.8	594.5	583.9	575.1	583.9	594.5	597.8	611.8	618.5	630.6	646.6
7.5°	534.4	531.7	529.1	523.7	529.1	531.7	534.4	538.3	545.1	555.8	567.8
10°	520.3	521.0	525.0	524.4	525.0	521.0	520.3	519.0	517.0	519.0	526.4
12.5°	556.5	562.4	584.5	583.2	584.5	562.4	556.5	529.7	511.6	508.4	509.7
15°	597.8	599.8	604.5	605.2	604.5	599.8	597.8	587.1	533.1	509.7	502.3
17.5°	601.9	602.5	605.9	605.9	605.9	602.5	601.9	597.2	579.2	547.7	506.4
20°	598.5	599.8	606.6	607.9	606.6	599.8	598.5	592.5	582.5	571.1	539.7
22.5°	597.2	599.8	605.2	604.5	605.2	599.8	597.2	587.8	579.2	571.1	558.5
25°	590.5	590.5	591.1	591.8	591.1	590.5	590.5	583.2	565.7	563.7	556.5
27.5°	576.5	577.8	581.8	581.2	581.8	577.8	576.5	573.8	555.1	553.1	547.7
30°	563.7	562.4	559.1	556.5	559.1	562.4	563.7	559.8	541.0	535.7	537.0
32.5°	542.4	539.0	535.7	533.8	535.7	539.0	542.4	541.0	527.0	519.7	521.0
35°	517.0	517.7	517.0	515.0	517.0	517.7	517.0	518.3	509.7	503.0	502.3
37.5°	499.0	500.3	499.6	497.0	499.6	500.3	499.0	497.6	485.6	483.7	485.0
40°	480.3	481.0	480.3	478.3	480.3	481.0	480.3	477.6	460.9	461.5	466.2
42.5°	462.2	461.5	459.6	458.3	459.6	461.5	462.2	458.3	436.8	434.9	443.5
45°	441.5	442.2	438.1	436.1	438.1	442.2	441.5	438.8	416.8	411.4	417.5
47.5°	420.8	420.8	417.5	415.4	417.5	420.8	420.8	417.5	394.1	388.7	392.1
50°	398.8	398.1	393.4	392.7	393.4	398.1	398.8	396.8	372.1	367.4	367.4
52.5°	373.4	373.4	374.1	375.4	374.1	373.4	373.4	374.1	352.0	347.3	346.0
55°	351.4	352.0	356.7	358.1	356.7	352.0	351.4	351.4	331.3	326.6	324.0
57.5°	328.7	328.7	332.0	332.0	332.0	328.7	328.7	327.3	308.0	303.9	302.6
60°	302.6	303.9	306.6	306.0	306.6	303.9	302.6	301.3	284.6	281.9	277.2
62.5°	275.2	276.6	277.2	275.9	277.2	276.6	275.2	271.2	261.2	259.2	253.2
65°	246.5	247.8	248.5	247.1	248.5	247.8	246.5	244.5	237.1	233.8	228.5
67.5°	217.1	216.4	215.7	218.4	215.7	216.4	217.1	214.4	209.8	207.1	199.7
70°	187.0	187.0	186.4	187.7	186.4	187.0	187.0	185.1	182.4	180.4	173.7
72.5°	155.0	154.3	157.0	155.0	157.0	154.3	155.0	154.3	153.0	151.0	144.3
75°	123.6	124.9	123.6	125.6	123.6	124.9	123.6	124.2	123.6	122.2	117.5
77.5°	94.2	95.5	94.2	94.2	94.2	95.5	94.2	94.8	94.8	94.8	90.8
80°	66.8	66.1	66.1	65.4	66.1	66.1	66.8	66.8	67.4	66.1	64.8
82.5°	42.7	42.1	42.1	43.4	42.1	42.1	42.7	43.4	42.1	42.1	42.1
85°	23.4	24.0	22.7	22.7	22.7	24.0	23.4	22.0	23.4	23.4	22.7
87.5°	8.7	8.0	8.0	8.0	8.0	8.0	8.7	9.4	9.4	9.4	10.1
90°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	21.0	28.0	31.5	27.1
92.5°	78.7	75.6	63.0	50.5	63.0	75.6	78.7	111.6	155.4	177.3	155.7
95°	267.2	257.8	219.8	181.9	219.8	257.8	267.2	350.9	462.4	518.2	437.6
97.5°	616.8	598.8	526.6	454.5	526.6	598.8	616.8	669.7	740.2	775.5	641.2
100°	866.2	844.7	758.8	672.8	758.8	844.7	866.2	862.3	857.3	854.7	705.7
102.5°	1079.2	1060.7	987.1	913.5	987.1	1060.7	1079.2	1011.8	922.0	877.1	725.9
105°	1327.8	1317.9	1278.3	1238.7	1278.3	1317.9	1327.8	1176.7	975.3	874.6	728.2
107.5°	1457.0	1459.4	1469.0	1478.6	1469.0	1459.4	1457.0	1246.3	965.3	824.8	695.7
110°	1490.1	1500.5	1541.7	1582.9	1541.7	1500.5	1490.1	1254.6	940.4	783.4	667.0

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1469.0	1484.8	1548.2	1611.5	1548.2	1484.8	1469.0	1227.9	906.5	745.7	641.9
115°	1397.4	1419.3	1507.1	1595.0	1507.1	1419.3	1397.4	1165.1	855.5	700.6	613.2
117.5°	1298.4	1322.7	1420.1	1517.5	1420.1	1322.7	1298.4	1088.7	809.2	669.5	595.2
120°	1231.7	1255.4	1350.0	1444.6	1350.0	1255.4	1231.7	1040.1	784.7	657.1	589.1
122.5°	1164.9	1188.2	1281.7	1375.0	1281.7	1188.2	1164.9	992.4	762.4	647.5	585.9
125°	1076.7	1098.2	1184.1	1270.2	1184.1	1098.2	1076.7	930.2	734.8	637.1	583.3
127.5°	1005.9	1024.0	1096.6	1169.1	1096.6	1024.0	1005.9	880.1	712.3	628.5	581.8
130°	961.1	977.9	1044.9	1111.9	1044.9	977.9	961.1	849.2	699.9	625.2	582.8
132.5°	923.0	938.0	998.0	1058.1	998.0	938.0	923.0	822.7	689.0	622.2	583.3
135°	869.1	882.1	933.8	985.5	933.8	882.1	869.1	785.1	673.3	617.3	582.8
137.5°	829.4	839.9	882.4	924.7	882.4	839.9	829.4	758.4	663.7	616.4	586.3
140°	797.5	807.4	847.0	886.5	847.0	807.4	797.5	736.1	654.4	613.5	586.9
142.5°	775.1	783.7	817.7	851.8	817.7	783.7	775.1	721.2	649.4	613.5	589.0
145°	741.5	748.0	773.8	799.6	773.8	748.0	741.5	697.5	638.8	609.5	589.1
147.5°	713.4	718.8	740.1	761.4	740.1	718.8	713.4	678.8	632.6	609.5	593.1
150°	697.2	701.5	718.8	736.1	718.8	701.5	697.2	667.9	629.0	609.5	595.3
152.5°	684.4	687.6	700.7	713.8	700.7	687.6	684.4	659.4	626.1	609.5	596.6
155°	669.0	671.2	679.9	688.5	679.9	671.2	669.0	649.2	622.7	609.5	599.7
157.5°	655.8	657.3	663.4	669.5	663.4	657.3	655.8	640.3	619.7	609.5	602.7
160°	649.2	650.1	653.6	657.1	653.6	650.1	649.2	635.9	618.3	609.5	604.1
162.5°	642.9	643.7	647.1	650.4	647.1	643.7	642.9	631.8	616.9	609.5	605.6
165°	633.5	634.4	637.8	641.3	637.8	634.4	633.5	625.5	614.8	609.5	607.7
167.5°	629.3	629.7	631.1	632.6	631.1	629.7	629.3	624.0	617.0	613.5	612.0
170°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	624.0	617.0	613.5	613.4
172.5°	626.0	625.7	624.4	623.1	624.4	625.7	626.0	621.8	616.3	613.5	613.5
175°	621.4	621.4	621.4	621.4	621.4	621.4	621.4	618.8	615.3	613.5	614.3
177.5°	620.6	620.2	618.8	617.3	618.8	620.2	620.6	618.5	615.7	614.3	615.0
180°	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3	617.3

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	706.1	706.1	706.1	706.1	706.1
2.5°	697.4	700.7	702.7	705.4	712.0
5°	670.6	683.4	687.3	697.4	709.4
7.5°	611.8	650.6	661.2	685.3	704.1
10°	555.1	593.8	612.5	669.3	697.4
12.5°	526.4	549.1	561.7	641.2	688.0
15°	508.4	524.4	533.8	603.9	677.3
17.5°	494.3	505.7	512.3	567.1	662.6
20°	485.6	490.9	497.0	540.4	645.9
22.5°	479.6	476.3	481.0	521.7	623.2
25°	475.6	462.9	468.2	507.0	596.5
27.5°	479.0	450.9	452.9	493.6	568.4
30°	479.6	436.1	436.8	479.6	537.0
32.5°	474.9	420.8	421.5	462.2	501.7
35°	463.5	402.8	402.1	442.2	453.6
37.5°	448.2	383.5	383.5	420.1	400.8
40°	429.5	364.0	366.0	391.4	354.0
42.5°	406.8	343.3	346.0	353.4	319.3
45°	382.1	323.3	325.3	298.6	292.5
47.5°	354.7	302.6	303.3	247.8	283.9
50°	322.0	281.2	278.6	212.4	283.3
52.5°	293.2	257.9	249.8	192.3	257.2
55°	265.1	233.2	215.7	177.0	238.4
57.5°	240.4	201.1	184.4	159.0	234.5
60°	217.7	169.6	157.0	139.6	215.1
62.5°	199.1	146.3	143.6	126.3	195.0
65°	179.0	130.3	129.6	114.9	165.6
67.5°	159.7	119.5	118.9	104.2	126.3
70°	138.9	108.2	106.9	92.8	93.5
72.5°	117.5	95.5	94.2	83.5	77.5
75°	96.2	80.8	80.2	72.8	62.7
77.5°	75.5	64.1	65.4	58.8	46.1
80°	54.1	46.7	48.1	42.1	34.8
82.5°	36.1	30.8	32.1	26.7	23.4
85°	20.0	17.3	18.0	14.0	10.7
87.5°	9.4	8.0	8.0	5.4	3.4
90°	18.2	11.6	10.8	7.5	4.2
92.5°	112.4	80.0	72.9	44.7	16.5
95°	276.6	155.8	142.9	91.3	39.7
97.5°	372.6	171.1	159.8	114.2	68.7
100°	407.6	184.0	173.6	132.4	91.1
102.5°	423.6	196.8	187.1	148.7	110.2
105°	435.5	215.8	207.7	175.1	142.5
107.5°	437.6	244.0	236.5	206.1	175.7
110°	434.3	259.8	252.9	225.5	198.0

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	434.5	278.8	272.2	246.1	220.0
115°	438.4	307.4	301.3	277.2	253.1
117.5°	446.6	335.2	329.7	307.8	285.9
120°	453.2	351.3	346.1	325.5	304.9
122.5°	462.7	370.4	365.2	344.4	323.6
125°	475.6	394.8	390.0	371.1	352.2
127.5°	488.4	418.4	413.6	394.4	375.3
130°	497.8	434.2	429.0	408.4	387.7
132.5°	505.4	447.0	441.8	421.2	400.6
135°	513.7	461.9	457.3	438.4	419.7
137.5°	526.1	481.0	476.3	457.8	439.1
140°	533.8	493.8	489.5	472.4	455.3
142.5°	540.1	503.4	499.4	483.6	467.7
145°	548.4	517.8	514.3	500.6	486.7
147.5°	560.5	536.0	532.7	519.3	505.9
150°	566.9	545.6	542.5	530.4	518.2
152.5°	571.0	551.8	549.5	540.2	531.1
155°	580.2	565.5	563.8	557.0	550.2
157.5°	589.2	579.2	577.5	570.9	564.2
160°	593.4	585.3	584.1	579.0	573.8
162.5°	597.8	592.0	591.0	587.1	583.3
165°	604.2	601.5	600.6	597.1	593.6
167.5°	609.2	607.0	606.6	604.9	603.2
170°	613.2	613.1	612.7	611.0	609.5
172.5°	613.5	613.5	613.4	613.1	612.7
175°	616.0	617.3	617.3	617.3	617.3
177.5°	616.3	617.3	617.3	617.3	617.3
180°	617.3	617.3	617.3	617.3	617.3

TEST NUMBER: P935082

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-4-2700K

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	9.30	10.02	10.40	11.11	12.63	12.10	12.82	13.20	13.91	15.43
	3H	9.77	10.41	10.88	11.51	13.04	13.42	14.06	14.53	15.17	16.70
	4H	9.95	10.56	11.07	11.67	13.20	13.85	14.46	14.97	15.57	17.11
	6H	10.06	10.62	11.19	11.73	13.28	14.12	14.68	15.25	15.79	17.34
	8H	10.06	10.59	11.19	11.72	13.26	14.19	14.72	15.32	15.85	17.39
	12H	10.03	10.53	11.16	11.65	13.22	14.22	14.72	15.36	15.84	17.41
4H	2H	10.31	10.92	11.44	12.02	13.56	12.49	13.10	13.62	14.21	15.74
	3H	11.32	11.83	12.45	12.96	14.51	13.97	14.48	15.11	15.61	17.16
	4H	11.59	12.06	12.73	13.18	14.75	14.49	14.95	15.63	16.08	17.65
	6H	11.71	12.11	12.85	13.25	14.81	14.84	15.24	15.98	16.38	17.94
	8H	11.71	12.08	12.85	13.22	14.80	14.94	15.31	16.08	16.45	18.02
	12H	11.67	12.01	12.83	13.16	14.74	14.98	15.32	16.14	16.47	18.05
8H	4H	12.03	12.40	13.17	13.54	15.11	14.60	14.97	15.75	16.11	17.69
	6H	12.28	12.59	13.45	13.77	15.34	15.02	15.33	16.19	16.51	18.09
	8H	12.32	12.59	13.49	13.75	15.34	15.17	15.44	16.34	16.60	18.19
	12H	12.30	12.54	13.47	13.69	15.32	15.26	15.49	16.43	16.65	18.28
12H	4H	12.02	12.36	13.18	13.51	15.09	14.56	14.90	15.72	16.05	17.63
	6H	12.34	12.61	13.51	13.77	15.36	15.02	15.29	16.19	16.45	18.04
	8H	12.40	12.64	13.57	13.79	15.42	15.17	15.41	16.34	16.56	18.19

END OF REPORT