

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: P934682

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-W2A-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934682
REPORT IS A COMBINATION OF REPORTS P933706 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-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

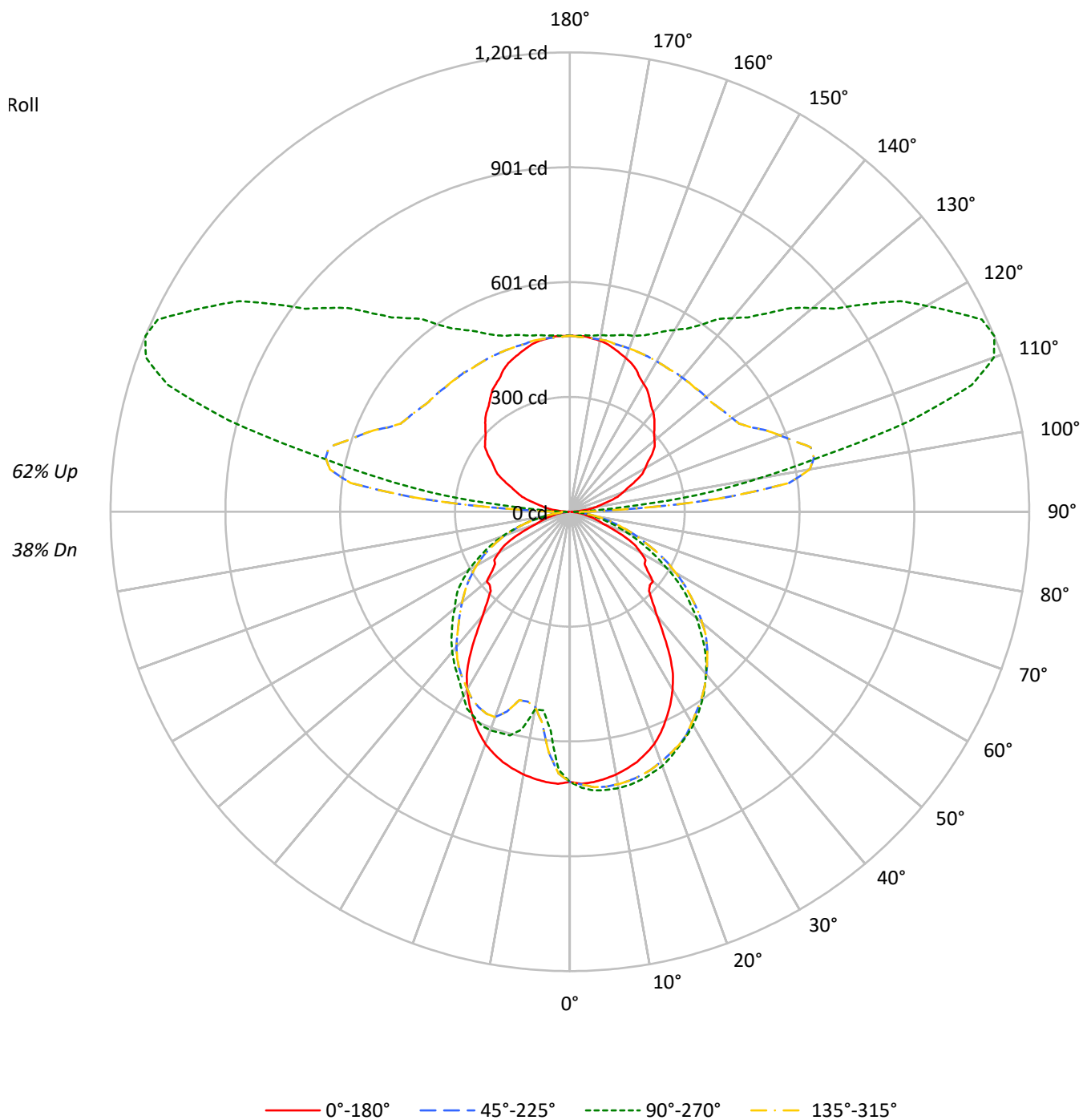
Lumens per Lamp: N/A
Luminaire Lumens: 4814.7 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.4
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: P934682

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-W2A-W-4-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P934682

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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	50	30	10
RCR																				
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45			38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38			32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32			27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27			23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24			20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20			17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16			13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13			11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.3
10°-20°	181.0	3.8
20°-30°	279.7	5.8
30°-40°	333.9	6.9
40°-50°	335.9	7.0
50°-60°	292.3	6.1
60°-70°	207.2	4.3
70°-80°	109.6	2.3
80°-90°	29.1	0.6
90°-100°	224.3	4.7
100°-110°	589.6	12.2
110°-120°	611.3	12.7
120°-130°	490.4	10.2
130°-140°	384.8	8.0
140°-150°	295.3	6.1
150°-160°	212.7	4.4
160°-170°	130.1	2.7
170°-180°	44.0	0.9
0°-30°	524.4	10.9
0°-40°	858.3	17.8
0°-60°	1486.5	30.9
0°-90°	1832.4	38.1
90°-120°	1425.1	29.6
90°-150°	2595.5	53.9
90°-180°	2982.0	61.9
0°-180°	4814.7	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°	3	12	3	12	3	3
95°	30	136	30	136	30	33
105°	106	923	106	923	106	113
115°	189	1189	189	1189	189	186
125°	262	947	262	947	262	233
135°	313	735	313	735	313	242
145°	363	596	363	596	363	227
155°	410	513	410	513	410	188
165°	442	478	442	478	442	125
175°	460	463	460	463	460	44
180°	460	460	460	460	460	

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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°	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6	11.8	11.8
92.5°	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2	58.7	56.4
95°	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4	199.1	192.0
97.5°	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2	459.8	446.3
100°	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7	645.6	629.6
102.5°	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1	804.3	790.5
105°	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0	989.5	982.2
107.5°	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8	1085.8	1087.6
110°	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9	1110.5	1118.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1	1094.8	1106.7
115°	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3	1041.4	1057.8
117.5°	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3	967.6	985.7
120°	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2	917.9	935.5
122.5°	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6	868.2	885.6
125°	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3	802.5	818.5
127.5°	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0	749.7	763.2
130°	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9	716.3	728.8
132.5°	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2	687.9	699.1
135°	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2	647.8	657.5
137.5°	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2	618.1	626.0
140°	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6	594.3	601.7
142.5°	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5	577.7	584.1
145°	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8	552.7	557.5
147.5°	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9	531.7	535.6
150°	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8	519.6	522.8
152.5°	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4	510.1	512.4
155°	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8	498.6	500.2
157.5°	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2	488.7	489.8
160°	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0	483.9	484.5
162.5°	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8	479.2	479.8
165°	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1	472.1	472.8
167.5°	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1	469.0	469.3
170°	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1	469.0	469.0
172.5°	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4	466.5	466.3
175°	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1	463.1	463.1
177.5°	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9	462.5	462.2
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1

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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°	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2	13.6	8.7
92.5°	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0	83.8	59.6
95°	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2	206.2	116.1
97.5°	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9	277.7	127.5
100°	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9	303.7	137.0
102.5°	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0	315.6	146.6
105°	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7	324.5	160.9
107.5°	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5	326.2	181.9
110°	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1	323.7	193.6

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5	323.8	207.8
115°	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0	326.8	229.1
117.5°	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5	332.9	249.8
120°	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0	337.7	261.8
122.5°	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6	344.8	276.0
125°	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8	354.5	294.2
127.5°	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7	364.0	311.8
130°	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3	371.0	323.6
132.5°	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8	376.7	333.2
135°	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4	382.9	344.2
137.5°	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0	392.1	358.5
140°	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4	397.8	368.0
142.5°	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0	402.5	375.1
145°	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0	408.7	386.0
147.5°	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0	417.7	399.5
150°	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6	422.5	406.7
152.5°	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6	425.6	411.2
155°	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9	432.4	421.4
157.5°	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2	439.1	431.7
160°	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2	442.2	436.2
162.5°	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3	445.5	441.2
165°	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9	450.3	448.3
167.5°	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2	454.0	452.3
170°	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2	457.1	457.0
172.5°	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9	459.2	460.1
177.5°	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4	459.4	460.1
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	8.1	5.6	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6
92.5°	54.3	33.4	12.4	33.4	54.3	59.6	83.8	116.0	132.2	115.8	83.2
95°	106.6	68.1	29.7	68.1	106.6	116.1	206.2	326.2	386.2	344.6	261.4
97.5°	119.0	85.2	51.3	85.2	119.0	127.5	277.7	477.9	578.0	551.7	499.2
100°	129.4	98.6	67.9	98.6	129.4	137.0	303.7	525.9	636.9	638.8	642.7
102.5°	139.4	110.9	82.2	110.9	139.4	146.6	315.6	541.0	653.7	687.1	754.1
105°	154.8	130.5	106.2	130.5	154.8	160.9	324.5	542.7	651.8	726.9	877.0
107.5°	176.2	153.6	130.9	153.6	176.2	181.9	326.2	518.5	614.7	719.4	928.8
110°	188.5	168.0	147.6	168.0	188.5	193.6	323.7	497.1	583.9	700.9	934.9

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	202.9	183.5	163.9	183.5	202.9	207.8	323.8	478.5	555.8	675.6	915.1
115°	224.6	206.6	188.6	206.6	224.6	229.1	326.8	457.0	522.1	637.5	868.3
117.5°	245.7	229.4	213.0	229.4	245.7	249.8	332.9	443.5	498.9	603.1	811.3
120°	258.0	242.6	227.3	242.6	258.0	261.8	337.7	439.0	489.6	584.9	775.2
122.5°	272.1	256.7	241.1	256.7	272.1	276.0	344.8	436.6	482.6	568.2	739.6
125°	290.7	276.6	262.4	276.6	290.7	294.2	354.5	434.8	474.9	547.7	693.3
127.5°	308.3	294.0	279.8	294.0	308.3	311.8	364.0	433.7	468.4	531.0	656.0
130°	319.7	304.4	289.0	304.4	319.7	323.6	371.0	434.3	465.9	521.6	632.9
132.5°	329.3	313.9	298.6	313.9	329.3	333.2	376.7	434.8	463.7	513.5	613.2
135°	340.7	326.7	312.7	326.7	340.7	344.2	382.9	434.4	460.1	501.8	585.2
137.5°	355.0	341.1	327.3	341.1	355.0	358.5	392.1	437.0	459.5	494.7	565.2
140°	364.8	352.1	339.3	352.1	364.8	368.0	397.8	437.4	457.3	487.7	548.6
142.5°	372.1	360.4	348.6	360.4	372.1	375.1	402.5	439.0	457.3	484.1	537.5
145°	383.4	373.1	362.7	373.1	383.4	386.0	408.7	439.0	454.2	476.1	519.8
147.5°	397.0	386.9	377.0	386.9	397.0	399.5	417.7	442.0	454.2	471.4	505.9
150°	404.4	395.3	386.2	395.3	404.4	406.7	422.5	443.6	454.2	468.7	497.8
152.5°	409.6	402.7	395.8	402.7	409.6	411.2	425.6	444.6	454.2	466.6	491.4
155°	420.1	415.1	410.1	415.1	420.1	421.4	432.4	446.9	454.2	464.0	483.8
157.5°	430.5	425.5	420.5	425.5	430.5	431.7	439.1	449.2	454.2	461.8	477.2
160°	435.3	431.5	427.6	431.5	435.3	436.2	442.2	450.2	454.2	460.7	474.0
162.5°	440.5	437.6	434.8	437.6	440.5	441.2	445.5	451.3	454.2	459.8	470.8
165°	447.6	445.0	442.4	445.0	447.6	448.3	450.3	452.9	454.2	458.2	466.1
167.5°	452.0	450.7	449.5	450.7	452.0	452.3	454.0	456.2	457.3	459.9	465.1
170°	456.7	455.4	454.2	455.4	456.7	457.0	457.1	457.2	457.3	459.9	465.1
172.5°	457.2	457.0	456.7	457.0	457.2	457.3	457.3	457.3	457.3	459.4	463.4
175°	460.1	460.1	460.1	460.1	460.1	460.1	459.2	457.9	457.3	458.6	461.1
177.5°	460.1	460.1	460.1	460.1	460.1	460.1	459.4	458.4	457.9	458.9	460.9
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	15.6	20.9	23.5	20.2
92.5°	58.7	56.4	47.0	37.6	47.0	56.4	58.7	83.2	115.8	132.2	116.0
95°	199.1	192.0	163.8	135.6	163.8	192.0	199.1	261.4	344.6	386.2	326.2
97.5°	459.8	446.3	392.5	338.7	392.5	446.3	459.8	499.2	551.7	578.0	477.9
100°	645.6	629.6	565.5	501.4	565.5	629.6	645.6	642.7	638.8	636.9	525.9
102.5°	804.3	790.5	735.6	680.8	735.6	790.5	804.3	754.1	687.1	653.7	541.0
105°	989.5	982.2	952.7	923.2	952.7	982.2	989.5	877.0	726.9	651.8	542.7
107.5°	1085.8	1087.6	1094.8	1102.0	1094.8	1087.6	1085.8	928.8	719.4	614.7	518.5
110°	1110.5	1118.2	1149.0	1179.8	1149.0	1118.2	1110.5	934.9	700.9	583.9	497.1

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	1094.8	1106.7	1153.9	1201.1	1153.9	1106.7	1094.8	915.1	675.6	555.8	478.5
115°	1041.4	1057.8	1123.3	1188.7	1123.3	1057.8	1041.4	868.3	637.5	522.1	457.0
117.5°	967.6	985.7	1058.3	1131.0	1058.3	985.7	967.6	811.3	603.1	498.9	443.5
120°	917.9	935.5	1006.1	1076.6	1006.1	935.5	917.9	775.2	584.9	489.6	439.0
122.5°	868.2	885.6	955.2	1024.8	955.2	885.6	868.2	739.6	568.2	482.6	436.6
125°	802.5	818.5	882.6	946.6	882.6	818.5	802.5	693.3	547.7	474.9	434.8
127.5°	749.7	763.2	817.2	871.3	817.2	763.2	749.7	656.0	531.0	468.4	433.7
130°	716.3	728.8	778.8	828.7	778.8	728.8	716.3	632.9	521.6	465.9	434.3
132.5°	687.9	699.1	743.8	788.5	743.8	699.1	687.9	613.2	513.5	463.7	434.8
135°	647.8	657.5	696.0	734.6	696.0	657.5	647.8	585.2	501.8	460.1	434.4
137.5°	618.1	626.0	657.6	689.1	657.6	626.0	618.1	565.2	494.7	459.5	437.0
140°	594.3	601.7	631.3	660.7	631.3	601.7	594.3	548.6	487.7	457.3	437.4
142.5°	577.7	584.1	609.4	634.8	609.4	584.1	577.7	537.5	484.1	457.3	439.0
145°	552.7	557.5	576.7	595.9	576.7	557.5	552.7	519.8	476.1	454.2	439.0
147.5°	531.7	535.6	551.6	567.5	551.6	535.6	531.7	505.9	471.4	454.2	442.0
150°	519.6	522.8	535.7	548.7	535.7	522.8	519.6	497.8	468.7	454.2	443.6
152.5°	510.1	512.4	522.2	532.0	522.2	512.4	510.1	491.4	466.6	454.2	444.6
155°	498.6	500.2	506.7	513.1	506.7	500.2	498.6	483.8	464.0	454.2	446.9
157.5°	488.7	489.8	494.4	498.9	494.4	489.8	488.7	477.2	461.8	454.2	449.2
160°	483.9	484.5	487.0	489.6	487.0	484.5	483.9	474.0	460.7	454.2	450.2
162.5°	479.2	479.8	482.3	484.8	482.3	479.8	479.2	470.8	459.8	454.2	451.3
165°	472.1	472.8	475.4	478.0	475.4	472.8	472.1	466.1	458.2	454.2	452.9
167.5°	469.0	469.3	470.4	471.5	470.4	469.3	469.0	465.1	459.9	457.3	456.2
170°	469.0	469.0	469.0	469.0	469.0	469.0	469.0	465.1	459.9	457.3	457.2
172.5°	466.5	466.3	465.3	464.3	465.3	466.3	466.5	463.4	459.4	457.3	457.3
175°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	461.1	458.6	457.3	457.9
177.5°	462.5	462.2	461.1	460.1	461.1	462.2	462.5	460.9	458.9	457.9	458.4
180°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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°	13.6	8.7	8.1	5.6	3.1
92.5°	83.8	59.6	54.3	33.4	12.4
95°	206.2	116.1	106.6	68.1	29.7
97.5°	277.7	127.5	119.0	85.2	51.3
100°	303.7	137.0	129.4	98.6	67.9
102.5°	315.6	146.6	139.4	110.9	82.2
105°	324.5	160.9	154.8	130.5	106.2
107.5°	326.2	181.9	176.2	153.6	130.9
110°	323.7	193.6	188.5	168.0	147.6

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-W2A-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	323.8	207.8	202.9	183.5	163.9
115°	326.8	229.1	224.6	206.6	188.6
117.5°	332.9	249.8	245.7	229.4	213.0
120°	337.7	261.8	258.0	242.6	227.3
122.5°	344.8	276.0	272.1	256.7	241.1
125°	354.5	294.2	290.7	276.6	262.4
127.5°	364.0	311.8	308.3	294.0	279.8
130°	371.0	323.6	319.7	304.4	289.0
132.5°	376.7	333.2	329.3	313.9	298.6
135°	382.9	344.2	340.7	326.7	312.7
137.5°	392.1	358.5	355.0	341.1	327.3
140°	397.8	368.0	364.8	352.1	339.3
142.5°	402.5	375.1	372.1	360.4	348.6
145°	408.7	386.0	383.4	373.1	362.7
147.5°	417.7	399.5	397.0	386.9	377.0
150°	422.5	406.7	404.4	395.3	386.2
152.5°	425.6	411.2	409.6	402.7	395.8
155°	432.4	421.4	420.1	415.1	410.1
157.5°	439.1	431.7	430.5	425.5	420.5
160°	442.2	436.2	435.3	431.5	427.6
162.5°	445.5	441.2	440.5	437.6	434.8
165°	450.3	448.3	447.6	445.0	442.4
167.5°	454.0	452.3	452.0	450.7	449.5
170°	457.1	457.0	456.7	455.4	454.2
172.5°	457.3	457.3	457.2	457.0	456.7
175°	459.2	460.1	460.1	460.1	460.1
177.5°	459.4	460.1	460.1	460.1	460.1
180°	460.1	460.1	460.1	460.1	460.1

TEST NUMBER: P934682

CATALOG NUMBER: SQ4-FA-075U-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	10.11	10.87	11.16	11.93	13.36	12.91	13.67	13.96	14.73	16.16
	3H	10.58	11.26	11.64	12.33	13.78	14.23	14.92	15.30	15.98	17.43
	4H	10.76	11.41	11.84	12.48	13.94	14.67	15.32	15.74	16.38	17.84
	6H	10.88	11.47	11.96	12.55	14.02	14.94	15.54	16.02	16.61	18.08
	8H	10.88	11.44	11.97	12.53	14.00	15.01	15.57	16.09	16.66	18.13
	12H	10.84	11.38	11.94	12.47	13.95	15.04	15.58	16.13	16.66	18.15
4H	2H	11.12	11.77	12.20	12.84	14.29	13.31	13.95	14.39	15.02	16.48
	3H	12.14	12.68	13.23	13.77	15.24	14.79	15.33	15.88	16.43	17.90
	4H	12.41	12.91	13.50	13.99	15.48	15.31	15.80	16.40	16.89	18.38
	6H	12.53	12.96	13.63	14.06	15.55	15.66	16.09	16.76	17.19	18.68
	8H	12.53	12.93	13.64	14.03	15.53	15.76	16.16	16.86	17.26	18.76
	12H	12.50	12.86	13.62	13.97	15.47	15.81	16.17	16.93	17.28	18.79
8H	4H	12.85	13.25	13.95	14.35	15.85	15.43	15.82	16.53	16.92	18.42
	6H	13.11	13.44	14.23	14.58	16.08	15.85	16.18	16.97	17.32	18.82
	8H	13.15	13.44	14.28	14.56	16.08	16.00	16.28	17.13	17.41	18.92
	12H	13.13	13.38	14.26	14.50	16.06	16.08	16.34	17.22	17.46	19.01
12H	4H	12.85	13.21	13.97	14.32	15.83	15.39	15.75	16.51	16.86	18.36
	6H	13.17	13.45	14.30	14.58	16.10	15.85	16.13	16.98	17.26	18.78
	8H	13.23	13.48	14.36	14.60	16.16	16.00	16.25	17.13	17.37	18.93

END OF REPORT