

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: P934283

Luminaire Tested: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934283
REPORT IS A COMBINATION OF REPORTS P933690 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

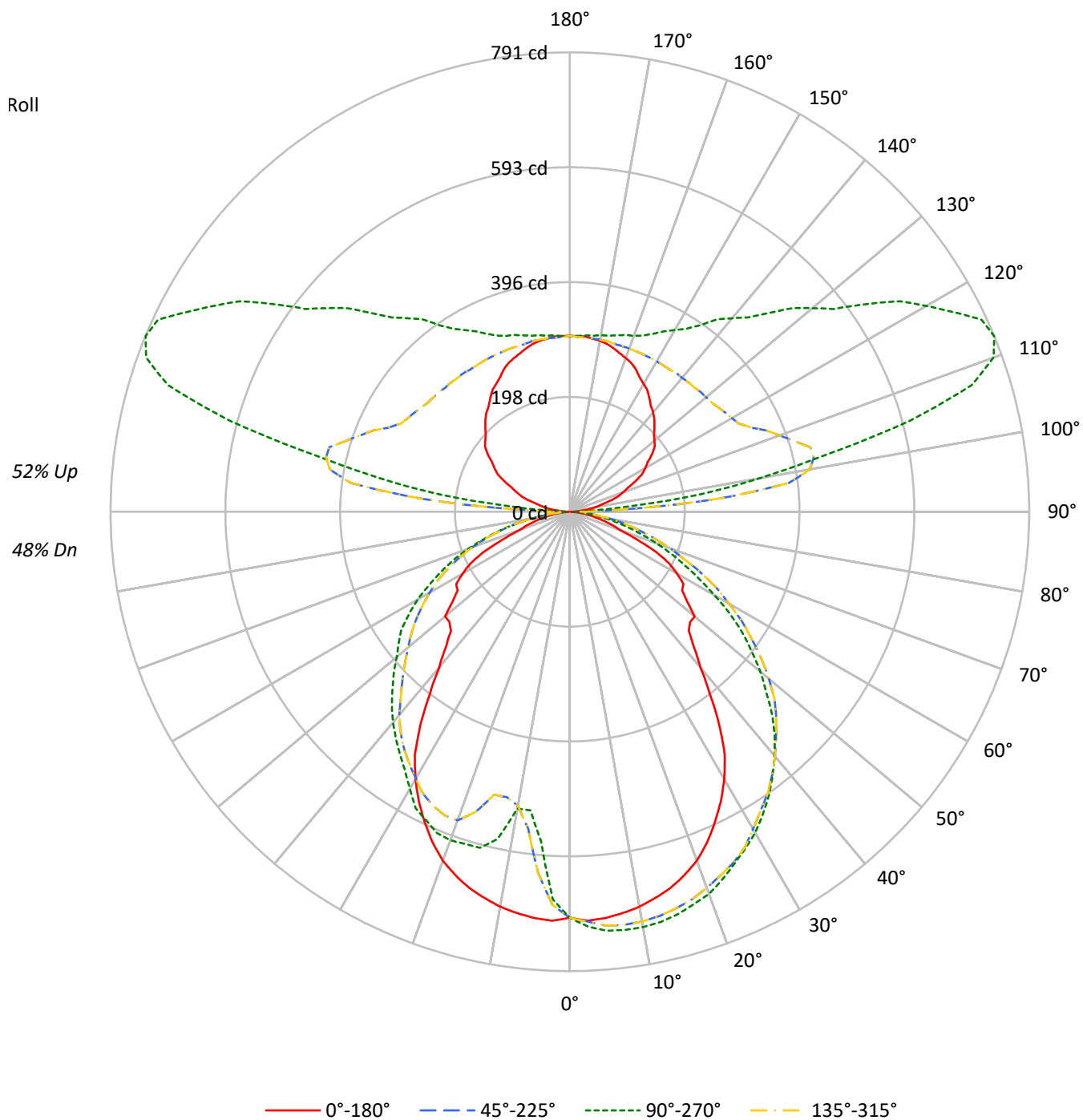
Lumens per Lamp: N/A
Luminaire Lumens: 3776.4 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 28.4
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: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54			48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46			41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39			34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33			29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28			25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25			21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22			19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19			17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17			15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16			13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14			12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6526	6547	6526	5148
10°	6477	6449	6477	4611
15°	6398	6310	6398	5269
20°	6257	6144	6257	5280
25°	5976	5903	5976	5168
30°	5616	5702	5616	4923
35°	4999	5448	4999	4653
40°	4157	5150	4157	4448
45°	3708	4801	3708	4214
50°	3931	4384	3931	3978
55°	3686	3935	3686	3843
60°	3789	3342	3789	3519
65°	3418	2763	3418	3087
70°	2351	2203	2351	2590
75°	2036	1627	2036	1949
80°	1610	1078	1610	1172
85°	878	569	878	485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.7
10°-20°	179.1	4.7
20°-30°	276.9	7.3
30°-40°	330.6	8.8
40°-50°	332.5	8.8
50°-60°	289.3	7.7
60°-70°	205.1	5.4
70°-80°	108.5	2.9
80°-90°	28.2	0.7
90°-100°	147.6	3.9
100°-110°	388.1	10.3
110°-120°	402.4	10.7
120°-130°	322.8	8.5
130°-140°	253.2	6.7
140°-150°	194.4	5.1
150°-160°	140.0	3.7
160°-170°	85.6	2.3
170°-180°	28.9	0.8
0°-30°	519.1	13.7
0°-40°	849.7	22.5
0°-60°	1471.6	39.0
0°-90°	1813.4	48.0
90°-120°	938.0	24.8
90°-150°	1708.4	45.2
90°-180°	1963.0	52.0
0°-180°	3776.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	699	699	699	699	699	
5°	702	724	702	569	702	67
15°	670	718	670	599	670	189
25°	590	669	590	586	590	271
35°	449	597	449	510	449	278
45°	290	492	290	432	290	232
55°	236	363	236	354	236	217
65°	164	219	164	245	164	157
75°	62	104	62	124	62	65
85°	11	26	11	22	11	14
90°	2	8	2	8	2	2
95°	20	89	20	89	20	22
105°	70	608	70	608	70	74
115°	124	782	124	782	124	123
125°	173	623	173	623	173	153
135°	206	483	206	483	206	159
145°	239	392	239	392	239	150
155°	270	338	270	338	270	124
165°	291	315	291	315	291	82
175°	303	305	303	305	303	29
180°	303	303	303	303	303	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	704.9	704.9	708.8	710.2	710.2	708.2	706.3	708.2	714.2	716.1	715.4
5°	702.2	707.6	714.8	716.1	717.5	716.8	715.4	716.8	723.4	724.7	725.4
7.5°	697.0	706.9	716.1	718.1	720.1	718.1	717.5	718.8	725.4	726.7	726.7
10°	690.4	704.2	714.8	716.1	718.1	716.1	716.1	718.8	725.4	726.7	727.4
12.5°	681.1	700.3	710.2	711.5	714.2	713.5	712.9	715.4	722.1	723.4	723.4
15°	670.5	693.0	702.2	703.6	708.2	706.9	706.9	709.5	716.8	718.8	718.1
17.5°	656.0	683.8	694.3	696.3	699.7	699.0	699.7	702.2	708.8	710.2	710.9
20°	639.4	671.2	683.8	685.8	689.0	689.0	689.0	692.4	699.0	701.6	701.6
22.5°	616.9	658.0	671.2	672.6	676.5	676.5	677.8	682.4	688.3	689.0	689.0
25°	590.5	643.4	654.6	658.6	662.6	664.6	666.5	669.2	671.2	670.5	671.2
27.5°	562.7	624.9	639.4	642.1	647.4	649.4	652.0	652.6	653.3	655.3	654.0
30°	531.7	599.1	620.9	623.5	632.1	633.5	630.8	632.1	635.5	636.8	638.1
32.5°	496.6	560.7	601.8	607.7	615.7	611.7	611.0	613.0	618.3	618.3	619.6
35°	449.0	531.0	583.9	589.2	595.1	590.5	593.2	593.8	597.1	599.1	598.4
37.5°	396.8	505.2	565.4	569.3	574.0	568.0	572.0	574.0	576.6	575.3	575.3
40°	350.4	464.9	543.6	546.2	550.2	545.6	549.5	550.9	552.2	550.9	550.2
42.5°	316.1	420.5	520.4	523.8	521.1	524.4	525.7	528.4	526.3	523.8	523.8
45°	289.6	408.7	495.3	499.2	495.3	500.6	502.6	502.6	496.6	495.3	494.6
47.5°	281.0	384.8	470.1	470.1	468.2	474.8	478.1	473.5	467.6	465.5	465.5
50°	280.4	358.4	435.8	433.1	442.4	450.3	447.1	442.4	437.8	430.5	430.5
52.5°	254.6	326.0	391.4	401.4	415.9	420.5	415.3	410.7	402.7	399.4	396.8
55°	236.0	292.3	351.1	370.9	386.2	392.1	382.2	377.5	365.7	363.7	362.4
57.5°	232.1	243.3	314.1	339.2	357.7	357.1	351.1	342.5	332.6	330.6	330.0
60°	213.0	175.9	274.4	304.2	323.3	321.3	316.1	308.1	298.9	297.6	296.3
62.5°	193.1	127.6	229.4	263.2	290.3	289.6	285.1	273.1	266.5	263.2	260.5
65°	164.0	107.1	163.4	218.9	257.9	259.2	249.3	240.7	233.4	229.4	228.8
67.5°	125.0	87.3	110.4	182.5	226.8	225.5	213.0	208.9	199.7	197.7	193.7
70°	92.6	58.2	76.7	148.1	196.4	193.1	183.2	178.6	170.0	165.4	162.7
72.5°	76.7	46.9	56.2	115.1	165.4	161.3	152.7	147.5	140.2	136.3	133.6
75°	62.1	49.6	43.0	85.3	134.2	131.6	123.6	118.3	112.4	107.1	107.8
77.5°	45.7	46.2	34.4	62.8	106.5	102.5	97.9	91.3	88.6	83.3	83.3
80°	34.4	36.4	25.8	43.0	76.7	76.7	72.8	68.1	63.5	60.8	60.8
82.5°	23.2	23.2	19.1	27.1	52.3	50.3	47.6	46.2	43.7	42.3	42.3
85°	10.6	13.2	11.9	16.6	28.4	29.8	29.8	28.4	27.8	26.4	27.1
87.5°	3.4	5.9	7.3	9.3	14.6	15.2	15.9	15.9	15.9	16.6	16.6
90°	2.1	3.6	5.3	5.7	9.0	13.3	15.5	13.7	10.3	7.7	7.7
92.5°	8.1	21.9	35.8	39.2	55.1	76.3	87.0	76.2	54.7	38.7	37.1
95°	19.5	44.8	70.1	76.4	135.7	214.7	254.2	226.8	172.1	131.0	126.4
97.5°	33.7	56.0	78.3	83.9	182.7	314.5	380.4	363.1	328.5	302.6	293.7
100°	44.7	64.9	85.2	90.2	199.9	346.1	419.2	420.5	423.1	425.0	414.4
102.5°	54.0	73.0	91.8	96.5	207.8	356.0	430.2	452.3	496.4	529.4	520.3
105°	69.9	85.9	101.9	105.9	213.6	357.2	429.0	478.4	577.2	651.4	646.5
107.5°	86.2	101.1	116.0	119.7	214.7	341.4	404.7	473.6	611.4	714.8	715.9
110°	97.1	110.5	124.0	127.4	213.1	327.3	384.3	461.3	615.5	731.0	736.0

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	107.9	120.7	133.5	136.8	213.1	314.9	365.8	444.7	602.3	720.7	728.5
115°	124.1	136.0	147.8	150.8	215.0	300.7	343.6	419.5	571.5	685.5	696.2
117.5°	140.2	151.0	161.7	164.4	219.1	292.0	328.4	397.0	534.0	636.9	648.8
120°	149.6	159.7	169.8	172.4	222.3	289.0	322.3	384.9	510.3	604.2	615.9
122.5°	158.7	169.0	179.2	181.7	227.0	287.4	317.6	374.0	486.9	571.5	582.9
125°	172.7	182.0	191.3	193.7	233.3	286.1	312.6	360.5	456.3	528.2	538.8
127.5°	184.1	193.6	202.9	205.3	239.6	285.4	308.3	349.4	431.7	493.4	502.3
130°	190.2	200.4	210.4	213.0	244.2	285.8	306.6	343.3	416.6	471.5	479.7
132.5°	196.5	206.7	216.7	219.3	248.0	286.1	305.3	338.0	403.6	452.8	460.2
135°	205.9	215.0	224.3	226.6	252.0	285.8	302.8	330.2	385.1	426.3	432.7
137.5°	215.4	224.5	233.7	235.9	258.1	287.6	302.4	325.6	372.0	406.8	412.0
140°	223.3	231.7	240.2	242.3	261.8	287.9	300.9	321.0	361.2	391.2	396.1
142.5°	229.4	237.2	244.9	246.9	264.9	288.9	300.9	318.6	353.8	380.2	384.3
145°	238.8	245.5	252.3	254.0	269.0	289.0	299.0	313.4	342.1	363.7	366.9
147.5°	248.2	254.8	261.3	263.0	275.0	291.0	299.0	310.3	333.0	349.9	352.6
150°	254.2	260.1	266.1	267.6	278.1	292.0	299.0	308.5	327.6	342.0	344.2
152.5°	260.5	265.0	269.6	270.7	280.1	292.6	299.0	307.1	323.5	335.7	337.3
155°	269.9	273.2	276.6	277.4	284.6	294.1	299.0	305.5	318.5	328.2	329.3
157.5°	276.8	280.0	283.3	284.1	289.0	295.6	299.0	304.0	314.1	321.7	322.5
160°	281.5	284.0	286.5	287.1	291.1	296.3	299.0	303.3	312.0	318.5	318.9
162.5°	286.1	288.0	289.9	290.4	293.2	297.1	299.0	302.6	309.9	315.4	315.8
165°	291.3	292.9	294.7	295.1	296.4	298.1	299.0	301.5	306.7	310.7	311.1
167.5°	295.9	296.7	297.5	297.7	298.8	300.2	300.9	302.7	306.2	308.7	308.9
170°	299.0	299.7	300.5	300.7	300.8	300.9	300.9	302.7	306.2	308.7	308.7
172.5°	300.5	300.7	300.9	300.9	300.9	300.9	300.9	302.3	305.0	307.0	306.8
175°	302.8	302.8	302.8	302.8	302.2	301.3	300.9	301.8	303.6	304.9	304.9
177.5°	302.8	302.8	302.8	302.8	302.3	301.7	301.4	302.1	303.5	304.5	304.3
180°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	716.8	714.8	716.8	715.4	716.1	714.2	708.2	706.3	708.2	710.2	710.2
5°	725.4	724.1	725.4	725.4	724.7	723.4	716.8	715.4	716.8	717.5	716.1
7.5°	728.1	726.1	728.1	726.7	726.7	725.4	718.8	717.5	718.1	720.1	718.1
10°	728.1	726.1	728.1	727.4	726.7	725.4	718.8	716.1	716.1	718.1	716.1
12.5°	724.7	723.4	724.7	723.4	723.4	722.1	715.4	712.9	713.5	714.2	711.5
15°	719.5	717.5	719.5	718.1	718.8	716.8	709.5	706.9	706.9	708.2	703.6
17.5°	711.5	708.8	711.5	710.9	710.2	708.8	702.2	699.7	699.0	699.7	696.3
20°	702.2	700.3	702.2	701.6	701.6	699.0	692.4	689.0	689.0	689.0	685.8
22.5°	687.7	685.8	687.7	689.0	689.0	688.3	682.4	677.8	676.5	676.5	672.6
25°	671.2	669.2	671.2	671.2	670.5	671.2	669.2	666.5	664.6	662.6	658.6
27.5°	655.3	654.0	655.3	654.0	655.3	653.3	652.6	652.0	649.4	647.4	642.1
30°	639.4	638.1	639.4	638.1	636.8	635.5	632.1	630.8	633.5	632.1	623.5
32.5°	619.6	618.3	619.6	619.6	618.3	618.3	613.0	611.0	611.7	615.7	607.7
35°	599.1	597.1	599.1	598.4	599.1	597.1	593.8	593.2	590.5	595.1	589.2
37.5°	575.3	573.4	575.3	575.3	575.3	576.6	574.0	572.0	568.0	574.0	569.3
40°	550.9	548.2	550.9	550.2	550.9	552.2	550.9	549.5	545.6	550.2	546.2
42.5°	523.1	522.4	523.1	523.8	523.8	526.3	528.4	525.7	524.4	521.1	523.8
45°	493.3	492.0	493.3	494.6	495.3	496.6	502.6	502.6	500.6	495.3	499.2
47.5°	461.5	458.3	461.5	465.5	465.5	467.6	473.5	478.1	474.8	468.2	470.1
50°	427.8	428.5	427.8	430.5	430.5	437.8	442.4	447.1	450.3	442.4	433.1
52.5°	394.8	394.1	394.8	396.8	399.4	402.7	410.7	415.3	420.5	415.9	401.4
55°	361.7	363.0	361.7	362.4	363.7	365.7	377.5	382.2	392.1	386.2	370.9
57.5°	328.6	326.7	328.6	330.0	330.6	332.6	342.5	351.1	357.1	357.7	339.2
60°	290.3	287.6	290.3	296.3	297.6	298.9	308.1	316.1	321.3	323.3	304.2
62.5°	256.6	251.9	256.6	260.5	263.2	266.5	273.1	285.1	289.6	290.3	263.2
65°	220.9	218.9	220.9	228.8	229.4	233.4	240.7	249.3	259.2	257.9	218.9
67.5°	188.4	188.4	188.4	193.7	197.7	199.7	208.9	213.0	225.5	226.8	182.5
70°	158.7	158.1	158.7	162.7	165.4	170.0	178.6	183.2	193.1	196.4	148.1
72.5°	130.3	129.6	130.3	133.6	136.3	140.2	147.5	152.7	161.3	165.4	115.1
75°	105.1	103.8	105.1	107.8	107.1	112.4	118.3	123.6	131.6	134.2	85.3
77.5°	80.7	80.7	80.7	83.3	83.3	88.6	91.3	97.9	102.5	106.5	62.8
80°	60.1	59.6	60.1	60.8	60.8	63.5	68.1	72.8	76.7	76.7	43.0
82.5°	42.3	41.0	42.3	42.3	42.3	43.7	46.2	47.6	50.3	52.3	27.1
85°	26.4	26.4	26.4	27.1	26.4	27.8	28.4	29.8	29.8	28.4	16.6
87.5°	17.2	16.6	17.2	16.6	16.6	15.9	15.9	15.9	15.2	14.6	9.3
90°	7.7	7.7	7.7	7.7	7.7	10.3	13.7	15.5	13.3	9.0	5.7
92.5°	31.0	24.7	31.0	37.1	38.7	54.7	76.2	87.0	76.3	55.1	39.2
95°	107.8	89.2	107.8	126.4	131.0	172.1	226.8	254.2	214.7	135.7	76.4
97.5°	258.3	222.9	258.3	293.7	302.6	328.5	363.1	380.4	314.5	182.7	83.9
100°	372.2	330.0	372.2	414.4	425.0	423.1	420.5	419.2	346.1	199.9	90.2
102.5°	484.2	448.1	484.2	520.3	529.4	496.4	452.3	430.2	356.0	207.8	96.5
105°	627.1	607.7	627.1	646.5	651.4	577.2	478.4	429.0	357.2	213.6	105.9
107.5°	720.6	725.3	720.6	715.9	714.8	611.4	473.6	404.7	341.4	214.7	119.7
110°	756.3	776.5	756.3	736.0	731.0	615.5	461.3	384.3	327.3	213.1	127.4

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	759.5	790.6	759.5	728.5	720.7	602.3	444.7	365.8	314.9	213.1	136.8
115°	739.3	782.4	739.3	696.2	685.5	571.5	419.5	343.6	300.7	215.0	150.8
117.5°	696.6	744.4	696.6	648.8	636.9	534.0	397.0	328.4	292.0	219.1	164.4
120°	662.2	708.6	662.2	615.9	604.2	510.3	384.9	322.3	289.0	222.3	172.4
122.5°	628.8	674.5	628.8	582.9	571.5	486.9	374.0	317.6	287.4	227.0	181.7
125°	580.9	623.1	580.9	538.8	528.2	456.3	360.5	312.6	286.1	233.3	193.7
127.5°	537.9	573.5	537.9	502.3	493.4	431.7	349.4	308.3	285.4	239.6	205.3
130°	512.6	545.5	512.6	479.7	471.5	416.6	343.3	306.6	285.8	244.2	213.0
132.5°	489.5	519.0	489.5	460.2	452.8	403.6	338.0	305.3	286.1	248.0	219.3
135°	458.1	483.4	458.1	432.7	426.3	385.1	330.2	302.8	285.8	252.0	226.6
137.5°	432.8	453.6	432.8	412.0	406.8	372.0	325.6	302.4	287.6	258.1	235.9
140°	415.5	434.9	415.5	396.1	391.2	361.2	321.0	300.9	287.9	261.8	242.3
142.5°	401.1	417.9	401.1	384.3	380.2	353.8	318.6	300.9	288.9	264.9	246.9
145°	379.6	392.2	379.6	366.9	363.7	342.1	313.4	299.0	289.0	269.0	254.0
147.5°	363.0	373.5	363.0	352.6	349.9	333.0	310.3	299.0	291.0	275.0	263.0
150°	352.7	361.2	352.7	344.2	342.0	327.6	308.5	299.0	292.0	278.1	267.6
152.5°	343.7	350.1	343.7	337.3	335.7	323.5	307.1	299.0	292.6	280.1	270.7
155°	333.6	337.8	333.6	329.3	328.2	318.5	305.5	299.0	294.1	284.6	277.4
157.5°	325.5	328.4	325.5	322.5	321.7	314.1	304.0	299.0	295.6	289.0	284.1
160°	320.6	322.3	320.6	318.9	318.5	312.0	303.3	299.0	296.3	291.1	287.1
162.5°	317.5	319.1	317.5	315.8	315.4	309.9	302.6	299.0	297.1	293.2	290.4
165°	312.9	314.6	312.9	311.1	310.7	306.7	301.5	299.0	298.1	296.4	295.1
167.5°	309.6	310.3	309.6	308.9	308.7	306.2	302.7	300.9	300.2	298.8	297.7
170°	308.7	308.7	308.7	308.7	308.7	306.2	302.7	300.9	300.9	300.8	300.7
172.5°	306.3	305.7	306.3	306.8	307.0	305.0	302.3	300.9	300.9	300.9	300.9
175°	304.9	304.9	304.9	304.9	304.9	303.6	301.8	300.9	301.3	302.2	302.8
177.5°	303.6	302.8	303.6	304.3	304.5	303.5	302.1	301.4	301.7	302.3	302.8
180°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	708.8	704.9	704.9	698.3	695.6	693.7	690.4	680.4	677.8	675.1	679.2
5°	714.8	707.6	702.2	690.4	680.4	676.5	663.9	640.1	624.2	612.3	605.7
7.5°	716.1	706.9	697.0	678.5	654.6	644.1	605.7	562.1	550.2	539.6	532.9
10°	714.8	704.2	690.4	662.6	606.4	587.9	549.5	521.1	513.8	511.8	513.8
12.5°	710.2	700.3	681.1	634.8	556.1	543.6	521.1	504.5	503.3	506.5	524.4
15°	702.2	693.0	670.5	597.8	528.4	519.1	503.3	497.2	504.5	527.7	581.2
17.5°	694.3	683.8	656.0	561.4	507.2	500.6	489.4	501.3	542.2	573.4	591.2
20°	683.8	671.2	639.4	535.0	492.0	486.0	480.8	534.3	565.4	576.6	586.6
22.5°	671.2	658.0	616.9	516.5	476.1	471.5	474.8	552.9	565.4	573.4	581.9
25°	654.6	643.4	590.5	501.9	463.5	458.3	470.8	550.9	558.1	560.0	577.3
27.5°	639.4	624.9	562.7	488.7	448.3	446.4	474.2	542.2	547.5	549.5	568.0
30°	620.9	599.1	531.7	474.8	432.5	431.8	474.8	531.7	530.4	535.6	554.1
32.5°	601.8	560.7	496.6	457.6	417.3	416.6	470.1	515.8	514.5	521.7	535.6
35°	583.9	531.0	449.0	437.8	398.0	398.7	458.9	497.2	497.9	504.5	513.1
37.5°	565.4	505.2	396.8	415.9	379.6	379.6	443.7	480.1	478.8	480.8	492.6
40°	543.6	464.9	350.4	387.5	362.4	360.4	425.2	461.5	456.9	456.3	472.8
42.5°	520.4	420.5	316.1	349.8	342.5	339.9	402.7	439.1	430.5	432.5	453.7
45°	495.3	408.7	289.6	295.6	322.0	320.1	378.2	413.3	407.3	412.6	434.4
47.5°	470.1	384.8	281.0	245.3	300.2	299.5	351.1	388.2	384.8	390.2	413.3
50°	435.8	358.4	280.4	210.3	275.8	278.3	318.8	363.7	363.7	368.4	392.8
52.5°	391.4	326.0	254.6	190.4	247.3	255.3	290.3	342.5	343.8	348.5	370.3
55°	351.1	292.3	236.0	175.2	213.6	230.8	262.5	320.7	323.3	327.9	347.9
57.5°	314.1	243.3	232.1	157.4	182.5	199.1	238.0	299.5	300.8	304.9	324.0
60°	274.4	175.9	213.0	138.2	155.4	167.9	215.5	274.4	279.0	281.7	298.3
62.5°	229.4	127.6	193.1	125.0	142.2	144.8	197.1	250.6	256.6	258.5	268.5
65°	163.4	107.1	164.0	113.8	128.3	129.0	177.2	226.2	231.4	234.8	242.1
67.5°	110.4	87.3	125.0	103.1	117.7	118.3	158.1	197.7	205.0	207.7	212.3
70°	76.7	58.2	92.6	91.9	105.8	107.1	137.5	172.0	178.6	180.5	183.2
72.5°	56.2	46.9	76.7	82.6	93.3	94.6	116.3	142.9	149.5	151.4	152.7
75°	43.0	49.6	62.1	72.1	79.4	80.0	95.2	116.3	121.0	122.4	123.0
77.5°	34.4	46.2	45.7	58.2	64.8	63.5	74.7	89.9	93.9	93.9	93.9
80°	25.8	36.4	34.4	41.7	47.6	46.2	53.5	64.2	65.5	66.8	66.2
82.5°	19.1	23.2	23.2	26.4	31.7	30.5	35.7	41.7	41.7	41.7	43.0
85°	11.9	13.2	10.6	13.9	17.8	17.2	19.8	22.5	23.2	23.2	21.8
87.5°	7.3	5.9	3.4	5.3	7.9	7.9	9.3	10.0	9.3	9.3	9.3
90°	5.3	3.6	2.1	3.6	5.3	5.7	9.0	13.3	15.5	13.7	10.3
92.5°	35.8	21.9	8.1	21.9	35.8	39.2	55.1	76.3	87.0	76.2	54.7
95°	70.1	44.8	19.5	44.8	70.1	76.4	135.7	214.7	254.2	226.8	172.1
97.5°	78.3	56.0	33.7	56.0	78.3	83.9	182.7	314.5	380.4	363.1	328.5
100°	85.2	64.9	44.7	64.9	85.2	90.2	199.9	346.1	419.2	420.5	423.1
102.5°	91.8	73.0	54.0	73.0	91.8	96.5	207.8	356.0	430.2	452.3	496.4
105°	101.9	85.9	69.9	85.9	101.9	105.9	213.6	357.2	429.0	478.4	577.2
107.5°	116.0	101.1	86.2	101.1	116.0	119.7	214.7	341.4	404.7	473.6	611.4
110°	124.0	110.5	97.1	110.5	124.0	127.4	213.1	327.3	384.3	461.3	615.5

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	133.5	120.7	107.9	120.7	133.5	136.8	213.1	314.9	365.8	444.7	602.3
115°	147.8	136.0	124.1	136.0	147.8	150.8	215.0	300.7	343.6	419.5	571.5
117.5°	161.7	151.0	140.2	151.0	161.7	164.4	219.1	292.0	328.4	397.0	534.0
120°	169.8	159.7	149.6	159.7	169.8	172.4	222.3	289.0	322.3	384.9	510.3
122.5°	179.2	169.0	158.7	169.0	179.2	181.7	227.0	287.4	317.6	374.0	486.9
125°	191.3	182.0	172.7	182.0	191.3	193.7	233.3	286.1	312.6	360.5	456.3
127.5°	202.9	193.6	184.1	193.6	202.9	205.3	239.6	285.4	308.3	349.4	431.7
130°	210.4	200.4	190.2	200.4	210.4	213.0	244.2	285.8	306.6	343.3	416.6
132.5°	216.7	206.7	196.5	206.7	216.7	219.3	248.0	286.1	305.3	338.0	403.6
135°	224.3	215.0	205.9	215.0	224.3	226.6	252.0	285.8	302.8	330.2	385.1
137.5°	233.7	224.5	215.4	224.5	233.7	235.9	258.1	287.6	302.4	325.6	372.0
140°	240.2	231.7	223.3	231.7	240.2	242.3	261.8	287.9	300.9	321.0	361.2
142.5°	244.9	237.2	229.4	237.2	244.9	246.9	264.9	288.9	300.9	318.6	353.8
145°	252.3	245.5	238.8	245.5	252.3	254.0	269.0	289.0	299.0	313.4	342.1
147.5°	261.3	254.8	248.2	254.8	261.3	263.0	275.0	291.0	299.0	310.3	333.0
150°	266.1	260.1	254.2	260.1	266.1	267.6	278.1	292.0	299.0	308.5	327.6
152.5°	269.6	265.0	260.5	265.0	269.6	270.7	280.1	292.6	299.0	307.1	323.5
155°	276.6	273.2	269.9	273.2	276.6	277.4	284.6	294.1	299.0	305.5	318.5
157.5°	283.3	280.0	276.8	280.0	283.3	284.1	289.0	295.6	299.0	304.0	314.1
160°	286.5	284.0	281.5	284.0	286.5	287.1	291.1	296.3	299.0	303.3	312.0
162.5°	289.9	288.0	286.1	288.0	289.9	290.4	293.2	297.1	299.0	302.6	309.9
165°	294.7	292.9	291.3	292.9	294.7	295.1	296.4	298.1	299.0	301.5	306.7
167.5°	297.5	296.7	295.9	296.7	297.5	297.7	298.8	300.2	300.9	302.7	306.2
170°	300.5	299.7	299.0	299.7	300.5	300.7	300.8	300.9	300.9	302.7	306.2
172.5°	300.9	300.7	300.5	300.7	300.9	300.9	300.9	300.9	300.9	302.3	305.0
175°	302.8	302.8	302.8	302.8	302.8	302.8	302.2	301.3	300.9	301.8	303.6
177.5°	302.8	302.8	302.8	302.8	302.8	302.8	302.3	301.7	301.4	302.1	303.5
180°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	674.5	672.6	675.1	667.9	675.1	672.6	674.5	679.2	675.1	677.8	680.4
5°	591.8	588.5	578.0	569.3	578.0	588.5	591.8	605.7	612.3	624.2	640.1
7.5°	529.0	526.3	523.8	518.4	523.8	526.3	529.0	532.9	539.6	550.2	562.1
10°	515.1	515.8	519.7	519.1	519.7	515.8	515.1	513.8	511.8	513.8	521.1
12.5°	550.9	556.8	578.6	577.3	578.6	556.8	550.9	524.4	506.5	503.3	504.5
15°	591.8	593.8	598.4	599.1	598.4	593.8	591.8	581.2	527.7	504.5	497.2
17.5°	595.8	596.4	599.8	599.8	599.8	596.4	595.8	591.2	573.4	542.2	501.3
20°	592.5	593.8	600.5	601.8	600.5	593.8	592.5	586.6	576.6	565.4	534.3
22.5°	591.2	593.8	599.1	598.4	599.1	593.8	591.2	581.9	573.4	565.4	552.9
25°	584.6	584.6	585.2	585.9	585.2	584.6	584.6	577.3	560.0	558.1	550.9
27.5°	570.7	572.0	575.9	575.3	575.9	572.0	570.7	568.0	549.5	547.5	542.2
30°	558.1	556.8	553.4	550.9	553.4	556.8	558.1	554.1	535.6	530.4	531.7
32.5°	537.0	533.6	530.4	528.4	530.4	533.6	537.0	535.6	521.7	514.5	515.8
35°	511.8	512.5	511.8	509.9	511.8	512.5	511.8	513.1	504.5	497.9	497.2
37.5°	494.0	495.3	494.6	492.0	494.6	495.3	494.0	492.6	480.8	478.8	480.1
40°	475.4	476.1	475.4	473.5	475.4	476.1	475.4	472.8	456.3	456.9	461.5
42.5°	457.6	456.9	454.9	453.7	454.9	456.9	457.6	453.7	432.5	430.5	439.1
45°	437.1	437.8	433.7	431.8	433.7	437.8	437.1	434.4	412.6	407.3	413.3
47.5°	416.6	416.6	413.3	411.3	413.3	416.6	416.6	413.3	390.2	384.8	388.2
50°	394.8	394.1	389.5	388.8	389.5	394.1	394.8	392.8	368.4	363.7	363.7
52.5°	369.7	369.7	370.3	371.6	370.3	369.7	369.7	370.3	348.5	343.8	342.5
55°	347.9	348.5	353.1	354.5	353.1	348.5	347.9	347.9	327.9	323.3	320.7
57.5°	325.4	325.4	328.6	328.6	328.6	325.4	325.4	324.0	304.9	300.8	299.5
60°	299.5	300.8	303.5	302.9	303.5	300.8	299.5	298.3	281.7	279.0	274.4
62.5°	272.4	273.8	274.4	273.1	274.4	273.8	272.4	268.5	258.5	256.6	250.6
65°	244.0	245.3	246.0	244.6	246.0	245.3	244.0	242.1	234.8	231.4	226.2
67.5°	214.9	214.3	213.6	216.2	213.6	214.3	214.9	212.3	207.7	205.0	197.7
70°	185.2	185.2	184.5	185.9	184.5	185.2	185.2	183.2	180.5	178.6	172.0
72.5°	153.4	152.7	155.4	153.4	155.4	152.7	153.4	152.7	151.4	149.5	142.9
75°	122.4	123.6	122.4	124.3	122.4	123.6	122.4	123.0	122.4	121.0	116.3
77.5°	93.3	94.6	93.3	93.3	93.3	94.6	93.3	93.9	93.9	93.9	89.9
80°	66.2	65.5	65.5	64.8	65.5	65.5	66.2	66.2	66.8	65.5	64.2
82.5°	42.3	41.7	41.7	43.0	41.7	41.7	42.3	43.0	41.7	41.7	41.7
85°	23.2	23.8	22.5	22.5	22.5	23.8	23.2	21.8	23.2	23.2	22.5
87.5°	8.6	7.9	7.9	7.9	7.9	7.9	8.6	9.3	9.3	9.3	10.0
90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.3	13.7	15.5	13.3
92.5°	38.7	37.1	31.0	24.7	31.0	37.1	38.7	54.7	76.2	87.0	76.3
95°	131.0	126.4	107.8	89.2	107.8	126.4	131.0	172.1	226.8	254.2	214.7
97.5°	302.6	293.7	258.3	222.9	258.3	293.7	302.6	328.5	363.1	380.4	314.5
100°	425.0	414.4	372.2	330.0	372.2	414.4	425.0	423.1	420.5	419.2	346.1
102.5°	529.4	520.3	484.2	448.1	484.2	520.3	529.4	496.4	452.3	430.2	356.0
105°	651.4	646.5	627.1	607.7	627.1	646.5	651.4	577.2	478.4	429.0	357.2
107.5°	714.8	715.9	720.6	725.3	720.6	715.9	714.8	611.4	473.6	404.7	341.4
110°	731.0	736.0	756.3	776.5	756.3	736.0	731.0	615.5	461.3	384.3	327.3

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	720.7	728.5	759.5	790.6	759.5	728.5	720.7	602.3	444.7	365.8	314.9
115°	685.5	696.2	739.3	782.4	739.3	696.2	685.5	571.5	419.5	343.6	300.7
117.5°	636.9	648.8	696.6	744.4	696.6	648.8	636.9	534.0	397.0	328.4	292.0
120°	604.2	615.9	662.2	708.6	662.2	615.9	604.2	510.3	384.9	322.3	289.0
122.5°	571.5	582.9	628.8	674.5	628.8	582.9	571.5	486.9	374.0	317.6	287.4
125°	528.2	538.8	580.9	623.1	580.9	538.8	528.2	456.3	360.5	312.6	286.1
127.5°	493.4	502.3	537.9	573.5	537.9	502.3	493.4	431.7	349.4	308.3	285.4
130°	471.5	479.7	512.6	545.5	512.6	479.7	471.5	416.6	343.3	306.6	285.8
132.5°	452.8	460.2	489.5	519.0	489.5	460.2	452.8	403.6	338.0	305.3	286.1
135°	426.3	432.7	458.1	483.4	458.1	432.7	426.3	385.1	330.2	302.8	285.8
137.5°	406.8	412.0	432.8	453.6	432.8	412.0	406.8	372.0	325.6	302.4	287.6
140°	391.2	396.1	415.5	434.9	415.5	396.1	391.2	361.2	321.0	300.9	287.9
142.5°	380.2	384.3	401.1	417.9	401.1	384.3	380.2	353.8	318.6	300.9	288.9
145°	363.7	366.9	379.6	392.2	379.6	366.9	363.7	342.1	313.4	299.0	289.0
147.5°	349.9	352.6	363.0	373.5	363.0	352.6	349.9	333.0	310.3	299.0	291.0
150°	342.0	344.2	352.7	361.2	352.7	344.2	342.0	327.6	308.5	299.0	292.0
152.5°	335.7	337.3	343.7	350.1	343.7	337.3	335.7	323.5	307.1	299.0	292.6
155°	328.2	329.3	333.6	337.8	333.6	329.3	328.2	318.5	305.5	299.0	294.1
157.5°	321.7	322.5	325.5	328.4	325.5	322.5	321.7	314.1	304.0	299.0	295.6
160°	318.5	318.9	320.6	322.3	320.6	318.9	318.5	312.0	303.3	299.0	296.3
162.5°	315.4	315.8	317.5	319.1	317.5	315.8	315.4	309.9	302.6	299.0	297.1
165°	310.7	311.1	312.9	314.6	312.9	311.1	310.7	306.7	301.5	299.0	298.1
167.5°	308.7	308.9	309.6	310.3	309.6	308.9	308.7	306.2	302.7	300.9	300.2
170°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	306.2	302.7	300.9	300.9
172.5°	307.0	306.8	306.3	305.7	306.3	306.8	307.0	305.0	302.3	300.9	300.9
175°	304.9	304.9	304.9	304.9	304.9	304.9	304.9	303.6	301.8	300.9	301.3
177.5°	304.5	304.3	303.6	302.8	303.6	304.3	304.5	303.5	302.1	301.4	301.7
180°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	699.0	699.0	699.0	699.0	699.0
2.5°	690.4	693.7	695.6	698.3	704.9
5°	663.9	676.5	680.4	690.4	702.2
7.5°	605.7	644.1	654.6	678.5	697.0
10°	549.5	587.9	606.4	662.6	690.4
12.5°	521.1	543.6	556.1	634.8	681.1
15°	503.3	519.1	528.4	597.8	670.5
17.5°	489.4	500.6	507.2	561.4	656.0
20°	480.8	486.0	492.0	535.0	639.4
22.5°	474.8	471.5	476.1	516.5	616.9
25°	470.8	458.3	463.5	501.9	590.5
27.5°	474.2	446.4	448.3	488.7	562.7
30°	474.8	431.8	432.5	474.8	531.7
32.5°	470.1	416.6	417.3	457.6	496.6
35°	458.9	398.7	398.0	437.8	449.0
37.5°	443.7	379.6	379.6	415.9	396.8
40°	425.2	360.4	362.4	387.5	350.4
42.5°	402.7	339.9	342.5	349.8	316.1
45°	378.2	320.1	322.0	295.6	289.6
47.5°	351.1	299.5	300.2	245.3	281.0
50°	318.8	278.3	275.8	210.3	280.4
52.5°	290.3	255.3	247.3	190.4	254.6
55°	262.5	230.8	213.6	175.2	236.0
57.5°	238.0	199.1	182.5	157.4	232.1
60°	215.5	167.9	155.4	138.2	213.0
62.5°	197.1	144.8	142.2	125.0	193.1
65°	177.2	129.0	128.3	113.8	164.0
67.5°	158.1	118.3	117.7	103.1	125.0
70°	137.5	107.1	105.8	91.9	92.6
72.5°	116.3	94.6	93.3	82.6	76.7
75°	95.2	80.0	79.4	72.1	62.1
77.5°	74.7	63.5	64.8	58.2	45.7
80°	53.5	46.2	47.6	41.7	34.4
82.5°	35.7	30.5	31.7	26.4	23.2
85°	19.8	17.2	17.8	13.9	10.6
87.5°	9.3	7.9	7.9	5.3	3.4
90°	9.0	5.7	5.3	3.6	2.1
92.5°	55.1	39.2	35.8	21.9	8.1
95°	135.7	76.4	70.1	44.8	19.5
97.5°	182.7	83.9	78.3	56.0	33.7
100°	199.9	90.2	85.2	64.9	44.7
102.5°	207.8	96.5	91.8	73.0	54.0
105°	213.6	105.9	101.9	85.9	69.9
107.5°	214.7	119.7	116.0	101.1	86.2
110°	213.1	127.4	124.0	110.5	97.1

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	213.1	136.8	133.5	120.7	107.9
115°	215.0	150.8	147.8	136.0	124.1
117.5°	219.1	164.4	161.7	151.0	140.2
120°	222.3	172.4	169.8	159.7	149.6
122.5°	227.0	181.7	179.2	169.0	158.7
125°	233.3	193.7	191.3	182.0	172.7
127.5°	239.6	205.3	202.9	193.6	184.1
130°	244.2	213.0	210.4	200.4	190.2
132.5°	248.0	219.3	216.7	206.7	196.5
135°	252.0	226.6	224.3	215.0	205.9
137.5°	258.1	235.9	233.7	224.5	215.4
140°	261.8	242.3	240.2	231.7	223.3
142.5°	264.9	246.9	244.9	237.2	229.4
145°	269.0	254.0	252.3	245.5	238.8
147.5°	275.0	263.0	261.3	254.8	248.2
150°	278.1	267.6	266.1	260.1	254.2
152.5°	280.1	270.7	269.6	265.0	260.5
155°	284.6	277.4	276.6	273.2	269.9
157.5°	289.0	284.1	283.3	280.0	276.8
160°	291.1	287.1	286.5	284.0	281.5
162.5°	293.2	290.4	289.9	288.0	286.1
165°	296.4	295.1	294.7	292.9	291.3
167.5°	298.8	297.7	297.5	296.7	295.9
170°	300.8	300.7	300.5	299.7	299.0
172.5°	300.9	300.9	300.9	300.7	300.5
175°	302.2	302.8	302.8	302.8	302.8
177.5°	302.3	302.8	302.8	302.8	302.8
180°	302.8	302.8	302.8	302.8	302.8

TEST NUMBER: P934283

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-W2A-W-4-3000K

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	11.10	11.95	12.08	12.93	14.23	13.90	14.74	14.87	15.73	17.03
	3H	11.58	12.33	12.56	13.33	14.65	15.23	15.99	16.22	16.99	18.31
	4H	11.77	12.48	12.77	13.48	14.81	15.67	16.39	16.67	17.39	18.72
	6H	11.89	12.55	12.90	13.55	14.89	15.95	16.61	16.96	17.61	18.95
	8H	11.89	12.52	12.90	13.54	14.88	16.02	16.64	17.03	17.67	19.00
	12H	11.86	12.46	12.88	13.47	14.83	16.05	16.65	17.07	17.66	19.03
4H	2H	12.13	12.84	13.13	13.84	15.17	14.31	15.03	15.31	16.03	17.35
	3H	13.15	13.75	14.16	14.78	16.12	15.80	16.40	16.82	17.43	18.77
	4H	13.43	13.97	14.45	14.99	16.36	16.32	16.87	17.35	17.89	19.26
	6H	13.55	14.02	14.58	15.06	16.43	16.68	17.15	17.71	18.19	19.56
	8H	13.56	13.99	14.59	15.03	16.41	16.78	17.22	17.82	18.26	19.64
	12H	13.52	13.92	14.57	14.97	16.35	16.83	17.23	17.88	18.28	19.66
8H	4H	13.87	14.31	14.91	15.35	16.73	16.45	16.89	17.48	17.92	19.30
	6H	14.13	14.50	15.19	15.58	16.95	16.88	17.24	17.93	18.32	19.69
	8H	14.18	14.50	15.24	15.56	16.95	17.02	17.34	18.09	18.41	19.80
	12H	14.16	14.44	15.23	15.50	16.94	17.11	17.39	18.18	18.45	19.89
12H	4H	13.88	14.27	14.93	15.33	16.71	16.41	16.81	17.46	17.86	19.24
	6H	14.19	14.51	15.26	15.58	16.97	16.87	17.19	17.94	18.26	19.65
	8H	14.26	14.54	15.33	15.60	17.03	17.03	17.31	18.10	18.37	19.80