

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: P935457

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935457
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-93050-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

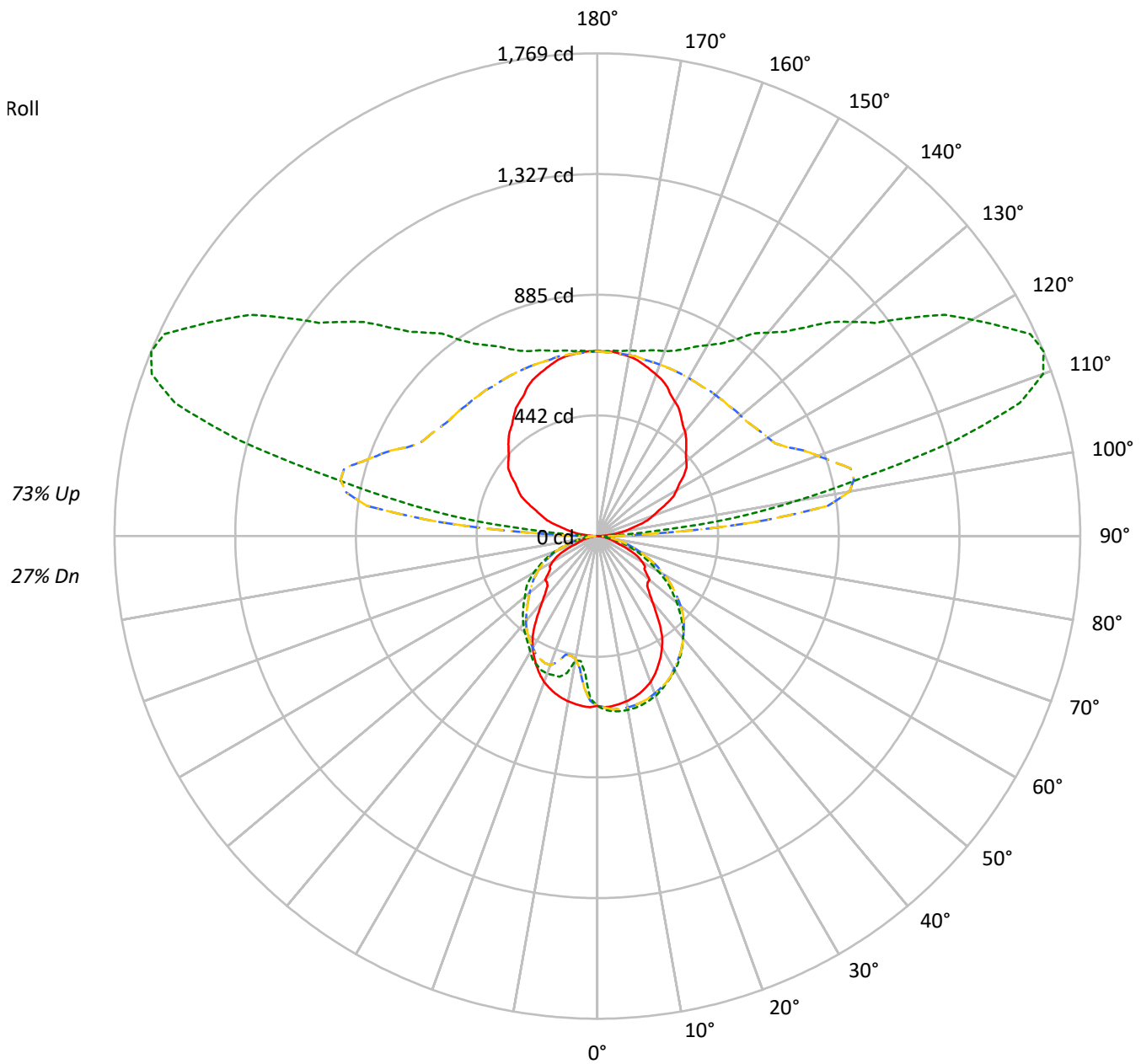
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6009.4 lumens
Efficiency: N/A
Efficacy: 126.2 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: P935457
CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	5777	5777	5777	5777
5°	5814	5832	5814	4585
10°	5769	5745	5769	4107
15°	5699	5620	5699	4693
20°	5574	5473	5574	4703
25°	5323	5258	5323	4603
30°	5002	5079	5002	4385
35°	4453	4853	4453	4144
40°	3703	4587	3703	3963
45°	3303	4277	3303	3753
50°	3502	3905	3502	3543
55°	3285	3506	3285	3422
60°	3374	2977	3374	3135
65°	3045	2461	3045	2750
70°	2094	1962	2094	2307
75°	1813	1450	1813	1737
80°	1437	958	1437	1043
85°	778	506	778	431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5072 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	0.9
10°-20°	159.6	2.7
20°-30°	246.7	4.1
30°-40°	294.5	4.9
40°-50°	296.2	4.9
50°-60°	257.7	4.3
60°-70°	182.7	3.0
70°-80°	96.7	1.6
80°-90°	26.7	0.4
90°-100°	330.3	5.5
100°-110°	868.4	14.4
110°-120°	900.4	15.0
120°-130°	722.2	12.0
130°-140°	566.7	9.4
140°-150°	434.9	7.2
150°-160°	313.2	5.2
160°-170°	191.7	3.2
170°-180°	64.7	1.1
0°-30°	462.4	7.7
0°-40°	756.9	12.6
0°-60°	1310.8	21.8
0°-90°	1616.9	26.9
90°-120°	2099.0	34.9
90°-150°	3822.8	63.6
90°-180°	4392.0	73.1
0°-180°	6009.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	623	623	623	623	623	
5°	626	645	626	507	626	59
15°	597	639	597	534	597	168
25°	526	596	526	522	526	242
35°	400	532	400	454	400	247
45°	258	438	258	385	258	207
55°	210	323	210	316	210	193
65°	146	195	146	218	146	140
75°	55	92	55	111	55	58
85°	9	24	9	20	9	13
90°	5	17	5	17	5	4
95°	44	200	44	200	44	48
105°	156	1360	156	1360	156	166
115°	278	1751	278	1751	278	274
125°	386	1394	386	1394	386	343
135°	461	1082	461	1082	461	356
145°	534	878	534	878	534	335
155°	604	756	604	756	604	277
165°	652	704	652	704	652	184
175°	678	682	678	682	678	64
180°	678	678	678	678	678	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6
2.5°	627.9	627.9	631.4	632.6	632.6	630.9	629.1	630.9	636.2	637.9	637.3
5°	625.5	630.3	636.8	637.9	639.1	638.5	637.3	638.5	644.4	645.6	646.2
7.5°	620.9	629.7	637.9	639.7	641.4	639.7	639.1	640.3	646.2	647.3	647.3
10°	615.0	627.3	636.8	637.9	639.7	637.9	637.9	640.3	646.2	647.3	647.9
12.5°	606.7	623.8	632.6	633.8	636.2	635.5	635.0	637.3	643.3	644.4	644.4
15°	597.2	617.3	625.5	626.8	630.9	629.7	629.7	632.0	638.5	640.3	639.7
17.5°	584.3	609.1	618.5	620.3	623.2	622.6	623.2	625.5	631.4	632.6	633.3
20°	569.6	597.9	609.1	610.9	613.8	613.8	613.8	616.7	622.6	625.0	625.0
22.5°	549.6	586.1	597.9	599.1	602.6	602.6	603.7	607.9	613.1	613.8	613.8
25°	526.0	573.1	583.1	586.7	590.2	592.0	593.7	596.1	597.9	597.2	597.9
27.5°	501.2	556.7	569.6	571.9	576.7	578.4	580.8	581.3	582.0	583.7	582.6
30°	473.6	533.7	553.1	555.4	563.1	564.3	561.9	563.1	566.1	567.2	568.4
32.5°	442.4	499.5	536.0	541.3	548.4	544.9	544.3	546.0	550.8	550.8	551.9
35°	400.0	473.0	520.1	524.9	530.1	526.0	528.4	528.9	531.9	533.7	533.0
37.5°	353.4	450.0	503.6	507.1	511.3	506.0	509.5	511.3	513.6	512.5	512.5
40°	312.1	414.1	484.2	486.6	490.1	486.0	489.5	490.7	491.8	490.7	490.1
42.5°	281.6	374.6	463.6	466.6	464.2	467.1	468.3	470.7	468.8	466.6	466.6
45°	258.0	364.1	441.2	444.7	441.2	445.9	447.7	447.7	442.4	441.2	440.6
47.5°	250.3	342.8	418.8	418.8	417.0	422.9	425.9	421.8	416.5	414.6	414.6
50°	249.8	319.3	388.2	385.8	394.1	401.1	398.2	394.1	390.0	383.5	383.5
52.5°	226.8	290.4	348.7	357.6	370.5	374.6	369.9	365.8	358.7	355.8	353.4
55°	210.3	260.3	312.8	330.4	344.0	349.3	340.4	336.3	325.8	324.0	322.8
57.5°	206.8	216.8	279.8	302.1	318.6	318.1	312.8	305.1	296.3	294.5	294.0
60°	189.7	156.7	244.4	271.0	288.0	286.2	281.6	274.5	266.2	265.1	263.9
62.5°	172.0	113.7	204.4	234.4	258.6	258.0	253.9	243.3	237.4	234.4	232.0
65°	146.1	95.4	145.5	195.0	229.8	230.9	222.0	214.4	207.9	204.4	203.8
67.5°	111.4	77.7	98.4	162.6	202.0	200.9	189.7	186.1	177.9	176.1	172.6
70°	82.5	51.8	68.3	131.9	175.0	172.0	163.2	159.1	151.4	147.3	144.9
72.5°	68.3	41.8	50.1	102.5	147.3	143.7	136.0	131.4	124.9	121.4	119.0
75°	55.3	44.2	38.3	76.0	119.5	117.3	110.1	105.4	100.1	95.4	96.0
77.5°	40.7	41.2	30.7	55.9	94.9	91.3	87.2	81.3	79.0	74.2	74.2
80°	30.7	32.4	23.0	38.3	68.3	68.3	64.8	60.7	56.6	54.2	54.2
82.5°	20.6	20.6	17.0	24.2	46.5	44.8	42.4	41.2	38.9	37.7	37.7
85°	9.4	11.8	10.6	14.8	25.3	26.5	26.5	25.3	24.8	23.5	24.2
87.5°	3.0	5.3	6.5	8.3	13.0	13.5	14.1	14.1	14.1	14.8	14.8
90°	4.6	8.2	11.9	12.7	20.0	29.7	34.5	30.7	23.0	17.3	17.3
92.5°	18.2	49.1	80.0	87.7	123.4	170.9	194.6	170.6	122.5	86.4	83.0
95°	43.7	100.2	156.9	171.0	303.6	480.4	568.9	507.7	385.2	293.4	282.9
97.5°	75.4	125.3	175.3	187.8	408.9	703.8	851.2	812.5	735.1	677.1	657.3
100°	100.0	145.4	190.6	201.9	447.3	774.5	938.1	940.9	946.6	950.8	927.2
102.5°	120.9	163.2	205.4	216.0	464.9	796.8	962.7	1012.1	1110.7	1184.7	1164.5
105°	156.4	192.3	228.0	237.0	478.0	799.3	960.0	1070.6	1291.6	1457.5	1446.6
107.5°	192.8	226.2	259.5	267.9	480.4	763.8	905.4	1059.7	1368.0	1599.3	1601.9
110°	217.4	247.5	277.5	285.1	476.7	732.2	859.9	1032.4	1377.2	1635.7	1647.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	241.4	270.2	298.8	306.0	476.8	704.7	818.6	995.0	1347.9	1612.6	1630.0
115°	277.8	304.3	330.9	337.4	481.3	673.0	769.0	938.9	1278.9	1533.9	1557.9
117.5°	313.8	337.9	361.9	367.9	490.3	653.4	734.9	888.2	1195.0	1425.1	1451.8
120°	334.7	357.4	380.0	385.7	497.6	646.7	721.3	861.4	1141.7	1352.0	1378.0
122.5°	355.2	378.0	400.9	406.6	508.0	643.2	710.8	837.0	1089.4	1278.7	1304.4
125°	386.5	407.4	428.2	433.4	522.1	640.3	699.4	806.6	1021.0	1181.8	1205.5
127.5°	412.0	433.0	454.0	459.3	536.1	638.6	689.8	781.9	966.0	1104.1	1124.0
130°	425.6	448.3	470.9	476.6	546.5	639.7	686.2	768.2	932.1	1055.0	1073.4
132.5°	439.8	462.4	485.1	490.7	554.8	640.3	683.1	756.4	903.2	1013.2	1029.6
135°	460.7	481.3	501.9	507.0	563.9	639.7	677.6	739.1	862.0	954.1	968.3
137.5°	482.0	502.4	522.9	527.9	577.5	643.6	676.6	728.6	832.5	910.4	922.0
140°	499.8	518.5	537.3	542.1	585.9	644.3	673.5	718.4	808.1	875.4	886.3
142.5°	513.4	530.8	548.1	552.5	592.9	646.6	673.5	712.9	791.7	850.8	860.1
145°	534.4	549.5	564.7	568.4	601.9	646.6	668.9	701.1	765.6	814.0	821.1
147.5°	555.3	570.0	584.8	588.5	615.2	651.0	668.9	694.3	745.1	783.1	789.0
150°	568.9	582.2	595.6	598.9	622.3	653.4	668.9	690.3	733.2	765.4	770.1
152.5°	583.0	593.1	603.2	605.8	626.8	654.9	668.9	687.2	723.8	751.2	754.8
155°	603.9	611.4	618.9	620.7	636.8	658.2	668.9	683.5	712.6	734.4	736.8
157.5°	619.4	626.7	633.9	635.7	646.8	661.5	668.9	680.2	702.9	719.9	721.5
160°	629.8	635.5	641.2	642.6	651.3	663.0	668.9	678.6	698.0	712.6	713.5
162.5°	640.3	644.5	648.8	649.9	656.2	664.7	668.9	677.1	693.5	705.8	706.7
165°	651.6	655.5	659.3	660.3	663.2	667.0	668.9	674.8	686.5	695.3	696.2
167.5°	662.2	663.9	665.8	666.2	668.7	671.9	673.5	677.3	685.0	690.8	691.2
170°	668.9	670.8	672.6	673.0	673.2	673.4	673.5	677.3	685.0	690.8	690.8
172.5°	672.6	673.0	673.4	673.5	673.5	673.5	673.5	676.5	682.5	687.1	686.7
175°	677.6	677.6	677.6	677.6	676.2	674.4	673.5	675.4	679.2	682.1	682.1
177.5°	677.6	677.6	677.6	677.6	676.6	675.1	674.4	675.9	678.9	681.2	680.8
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6
2.5°	638.5	636.8	638.5	637.3	637.9	636.2	630.9	629.1	630.9	632.6	632.6
5°	646.2	645.0	646.2	646.2	645.6	644.4	638.5	637.3	638.5	639.1	637.9
7.5°	648.5	646.8	648.5	647.3	647.3	646.2	640.3	639.1	639.7	641.4	639.7
10°	648.5	646.8	648.5	647.9	647.3	646.2	640.3	637.9	637.9	639.7	637.9
12.5°	645.6	644.4	645.6	644.4	644.4	643.3	637.3	635.0	635.5	636.2	633.8
15°	640.9	639.1	640.9	639.7	640.3	638.5	632.0	629.7	629.7	630.9	626.8
17.5°	633.8	631.4	633.8	633.3	632.6	631.4	625.5	623.2	622.6	623.2	620.3
20°	625.5	623.8	625.5	625.0	625.0	622.6	616.7	613.8	613.8	613.8	610.9
22.5°	612.6	610.9	612.6	613.8	613.8	613.1	607.9	603.7	602.6	602.6	599.1
25°	597.9	596.1	597.9	597.9	597.2	597.9	596.1	593.7	592.0	590.2	586.7
27.5°	583.7	582.6	583.7	582.6	583.7	582.0	581.3	580.8	578.4	576.7	571.9
30°	569.6	568.4	569.6	568.4	567.2	566.1	563.1	561.9	564.3	563.1	555.4
32.5°	551.9	550.8	551.9	551.9	550.8	550.8	546.0	544.3	544.9	548.4	541.3
35°	533.7	531.9	533.7	533.0	533.7	531.9	528.9	528.4	526.0	530.1	524.9
37.5°	512.5	510.7	512.5	512.5	512.5	513.6	511.3	509.5	506.0	511.3	507.1
40°	490.7	488.3	490.7	490.1	490.7	491.8	490.7	489.5	486.0	490.1	486.6
42.5°	465.9	465.3	465.9	466.6	466.6	468.8	470.7	468.3	467.1	464.2	466.6
45°	439.4	438.3	439.4	440.6	441.2	442.4	447.7	447.7	445.9	441.2	444.7
47.5°	411.1	408.2	411.1	414.6	414.6	416.5	421.8	425.9	422.9	417.0	418.8
50°	381.1	381.7	381.1	383.5	383.5	390.0	394.1	398.2	401.1	394.1	385.8
52.5°	351.7	351.1	351.7	353.4	355.8	358.7	365.8	369.9	374.6	370.5	357.6
55°	322.2	323.4	322.2	322.8	324.0	325.8	336.3	340.4	349.3	344.0	330.4
57.5°	292.7	291.0	292.7	294.0	294.5	296.3	305.1	312.8	318.1	318.6	302.1
60°	258.6	256.2	258.6	263.9	265.1	266.2	274.5	281.6	286.2	288.0	271.0
62.5°	228.5	224.4	228.5	232.0	234.4	237.4	243.3	253.9	258.0	258.6	234.4
65°	196.7	195.0	196.7	203.8	204.4	207.9	214.4	222.0	230.9	229.8	195.0
67.5°	167.8	167.8	167.8	172.6	176.1	177.9	186.1	189.7	200.9	202.0	162.6
70°	141.4	140.8	141.4	144.9	147.3	151.4	159.1	163.2	172.0	175.0	131.9
72.5°	116.0	115.4	116.0	119.0	121.4	124.9	131.4	136.0	143.7	147.3	102.5
75°	93.6	92.5	93.6	96.0	95.4	100.1	105.4	110.1	117.3	119.5	76.0
77.5°	71.8	71.8	71.8	74.2	74.2	79.0	81.3	87.2	91.3	94.9	55.9
80°	53.6	53.0	53.6	54.2	54.2	56.6	60.7	64.8	68.3	68.3	38.3
82.5°	37.7	36.5	37.7	37.7	37.7	38.9	41.2	42.4	44.8	46.5	24.2
85°	23.5	23.5	23.5	24.2	23.5	24.8	25.3	26.5	26.5	25.3	14.8
87.5°	15.3	14.8	15.3	14.8	14.8	14.1	14.1	14.1	13.5	13.0	8.3
90°	17.3	17.3	17.3	17.3	17.3	23.0	30.7	34.5	29.7	20.0	12.7
92.5°	69.2	55.5	69.2	83.0	86.4	122.5	170.6	194.6	170.9	123.4	87.7
95°	241.3	199.6	241.3	282.9	293.4	385.2	507.7	568.9	480.4	303.6	171.0
97.5°	578.1	498.9	578.1	657.3	677.1	735.1	812.5	851.2	703.8	408.9	187.8
100°	832.9	738.5	832.9	927.2	950.8	946.6	940.9	938.1	774.5	447.3	201.9
102.5°	1083.6	1002.8	1083.6	1164.5	1184.7	1110.7	1012.1	962.7	796.8	464.9	216.0
105°	1403.2	1359.7	1403.2	1446.6	1457.5	1291.6	1070.6	960.0	799.3	478.0	237.0
107.5°	1612.5	1623.0	1612.5	1601.9	1599.3	1368.0	1059.7	905.4	763.8	480.4	267.9
110°	1692.3	1737.5	1692.3	1647.1	1635.7	1377.2	1032.4	859.9	732.2	476.7	285.1



TEST NUMBER: P935457

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1699.4	1769.0	1699.4	1630.0	1612.6	1347.9	995.0	818.6	704.7	476.8	306.0
115°	1654.4	1750.8	1654.4	1557.9	1533.9	1278.9	938.9	769.0	673.0	481.3	337.4
117.5°	1558.8	1665.7	1558.8	1451.8	1425.1	1195.0	888.2	734.9	653.4	490.3	367.9
120°	1481.8	1585.7	1481.8	1378.0	1352.0	1141.7	861.4	721.3	646.7	497.6	385.7
122.5°	1406.8	1509.3	1406.8	1304.4	1278.7	1089.4	837.0	710.8	643.2	508.0	406.6
125°	1299.8	1394.2	1299.8	1205.5	1181.8	1021.0	806.6	699.4	640.3	522.1	433.4
127.5°	1203.6	1283.3	1203.6	1124.0	1104.1	966.0	781.9	689.8	638.6	536.1	459.3
130°	1147.0	1220.6	1147.0	1073.4	1055.0	932.1	768.2	686.2	639.7	546.5	476.6
132.5°	1095.5	1161.4	1095.5	1029.6	1013.2	903.2	756.4	683.1	640.3	554.8	490.7
135°	1025.1	1081.8	1025.1	968.3	954.1	862.0	739.1	677.6	639.7	563.9	507.0
137.5°	968.5	1015.0	968.5	922.0	910.4	832.5	728.6	676.6	643.6	577.5	527.9
140°	929.7	973.2	929.7	886.3	875.4	808.1	718.4	673.5	644.3	585.9	542.1
142.5°	897.5	935.0	897.5	860.1	850.8	791.7	712.9	673.5	646.6	592.9	552.5
145°	849.4	877.7	849.4	821.1	814.0	765.6	701.1	668.9	646.6	601.9	568.4
147.5°	812.3	835.8	812.3	789.0	783.1	745.1	694.3	668.9	651.0	615.2	588.5
150°	789.2	808.1	789.2	770.1	765.4	733.2	690.3	668.9	653.4	622.3	598.9
152.5°	769.1	783.5	769.1	754.8	751.2	723.8	687.2	668.9	654.9	626.8	605.8
155°	746.3	755.8	746.3	736.8	734.4	712.6	683.5	668.9	658.2	636.8	620.7
157.5°	728.2	734.9	728.2	721.5	719.9	702.9	680.2	668.9	661.5	646.8	635.7
160°	717.4	721.3	717.4	713.5	712.6	698.0	678.6	668.9	663.0	651.3	642.6
162.5°	710.4	714.0	710.4	706.7	705.8	693.5	677.1	668.9	664.7	656.2	649.9
165°	700.1	704.0	700.1	696.2	695.3	686.5	674.8	668.9	667.0	663.2	660.3
167.5°	692.8	694.4	692.8	691.2	690.8	685.0	677.3	673.5	671.9	668.7	666.2
170°	690.8	690.8	690.8	690.8	690.8	685.0	677.3	673.5	673.4	673.2	673.0
172.5°	685.3	683.9	685.3	686.7	687.1	682.5	676.5	673.5	673.5	673.5	673.5
175°	682.1	682.1	682.1	682.1	682.1	679.2	675.4	673.5	674.4	676.2	677.6
177.5°	679.2	677.6	679.2	680.8	681.2	678.9	675.9	674.4	675.1	676.6	677.6
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6



TEST NUMBER: P935457

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6
2.5°	631.4	627.9	627.9	622.0	619.6	617.9	615.0	606.1	603.7	601.4	605.0
5°	636.8	630.3	625.5	615.0	606.1	602.6	591.4	570.2	556.1	545.4	539.5
7.5°	637.9	629.7	620.9	604.4	583.1	573.7	539.5	500.7	490.1	480.7	474.7
10°	636.8	627.3	615.0	590.2	540.2	523.6	489.5	464.2	457.7	455.9	457.7
12.5°	632.6	623.8	606.7	565.5	495.4	484.2	464.2	449.4	448.3	451.2	467.1
15°	625.5	617.3	597.2	532.5	470.7	462.4	448.3	442.9	449.4	470.1	517.8
17.5°	618.5	609.1	584.3	500.1	451.8	445.9	435.9	446.5	483.0	510.7	526.6
20°	609.1	597.9	569.6	476.6	438.3	432.9	428.3	476.0	503.6	513.6	522.5
22.5°	597.9	586.1	549.6	460.1	424.1	420.0	422.9	492.5	503.6	510.7	518.4
25°	583.1	573.1	526.0	447.1	412.9	408.2	419.4	490.7	497.1	498.9	514.2
27.5°	569.6	556.7	501.2	435.3	399.4	397.6	422.4	483.0	487.7	489.5	506.0
30°	553.1	533.7	473.6	422.9	385.2	384.6	422.9	473.6	472.4	477.1	493.6
32.5°	536.0	499.5	442.4	407.6	371.7	371.1	418.8	459.4	458.3	464.7	477.1
35°	520.1	473.0	400.0	390.0	354.6	355.2	408.8	442.9	443.5	449.4	457.1
37.5°	503.6	450.0	353.4	370.5	338.1	338.1	395.2	427.6	426.5	428.3	438.8
40°	484.2	414.1	312.1	345.2	322.8	321.0	378.7	411.1	407.0	406.5	421.1
42.5°	463.6	374.6	281.6	311.6	305.1	302.8	358.7	391.1	383.5	385.2	404.1
45°	441.2	364.1	258.0	263.3	286.9	285.1	336.9	368.2	362.8	367.6	387.0
47.5°	418.8	342.8	250.3	218.5	267.4	266.8	312.8	345.8	342.8	347.5	368.2
50°	388.2	319.3	249.8	187.3	245.7	247.9	284.0	324.0	324.0	328.1	349.9
52.5°	348.7	290.4	226.8	169.6	220.3	227.4	258.6	305.1	306.3	310.4	329.9
55°	312.8	260.3	210.3	156.1	190.2	205.6	233.8	285.7	288.0	292.1	309.9
57.5°	279.8	216.8	206.8	140.2	162.6	177.3	212.0	266.8	268.0	271.6	288.6
60°	244.4	156.7	189.7	123.1	138.4	149.6	192.0	244.4	248.6	250.9	265.7
62.5°	204.4	113.7	172.0	111.4	126.7	129.0	175.6	223.3	228.5	230.3	239.2
65°	145.5	95.4	146.1	101.4	114.3	114.9	157.8	201.5	206.1	209.1	215.6
67.5°	98.4	77.7	111.4	91.9	104.9	105.4	140.8	176.1	182.6	185.0	189.1
70°	68.3	51.8	82.5	81.9	94.2	95.4	122.5	153.2	159.1	160.8	163.2
72.5°	50.1	41.8	68.3	73.6	83.1	84.2	103.6	127.3	133.2	134.9	136.0
75°	38.3	44.2	55.3	64.2	70.7	71.2	84.8	103.6	107.8	109.0	109.5
77.5°	30.7	41.2	40.7	51.8	57.7	56.6	66.6	80.1	83.6	83.6	83.6
80°	23.0	32.4	30.7	37.2	42.4	41.2	47.7	57.2	58.3	59.5	58.9
82.5°	17.0	20.6	20.6	23.5	28.3	27.1	31.8	37.2	37.2	37.2	38.3
85°	10.6	11.8	9.4	12.4	15.9	15.3	17.7	20.0	20.6	20.6	19.4
87.5°	6.5	5.3	3.0	4.7	7.0	7.0	8.3	8.9	8.3	8.3	8.3
90°	11.9	8.2	4.6	8.2	11.9	12.7	20.0	29.7	34.5	30.7	23.0
92.5°	80.0	49.1	18.2	49.1	80.0	87.7	123.4	170.9	194.6	170.6	122.5
95°	156.9	100.2	43.7	100.2	156.9	171.0	303.6	480.4	568.9	507.7	385.2
97.5°	175.3	125.3	75.4	125.3	175.3	187.8	408.9	703.8	851.2	812.5	735.1
100°	190.6	145.4	100.0	145.4	190.6	201.9	447.3	774.5	938.1	940.9	946.6
102.5°	205.4	163.2	120.9	163.2	205.4	216.0	464.9	796.8	962.7	1012.1	1110.7
105°	228.0	192.3	156.4	192.3	228.0	237.0	478.0	799.3	960.0	1070.6	1291.6
107.5°	259.5	226.2	192.8	226.2	259.5	267.9	480.4	763.8	905.4	1059.7	1368.0
110°	277.5	247.5	217.4	247.5	277.5	285.1	476.7	732.2	859.9	1032.4	1377.2



TEST NUMBER: P935457

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	298.8	270.2	241.4	270.2	298.8	306.0	476.8	704.7	818.6	995.0	1347.9
115°	330.9	304.3	277.8	304.3	330.9	337.4	481.3	673.0	769.0	938.9	1278.9
117.5°	361.9	337.9	313.8	337.9	361.9	367.9	490.3	653.4	734.9	888.2	1195.0
120°	380.0	357.4	334.7	357.4	380.0	385.7	497.6	646.7	721.3	861.4	1141.7
122.5°	400.9	378.0	355.2	378.0	400.9	406.6	508.0	643.2	710.8	837.0	1089.4
125°	428.2	407.4	386.5	407.4	428.2	433.4	522.1	640.3	699.4	806.6	1021.0
127.5°	454.0	433.0	412.0	433.0	454.0	459.3	536.1	638.6	689.8	781.9	966.0
130°	470.9	448.3	425.6	448.3	470.9	476.6	546.5	639.7	686.2	768.2	932.1
132.5°	485.1	462.4	439.8	462.4	485.1	490.7	554.8	640.3	683.1	756.4	903.2
135°	501.9	481.3	460.7	481.3	501.9	507.0	563.9	639.7	677.6	739.1	862.0
137.5°	522.9	502.4	482.0	502.4	522.9	527.9	577.5	643.6	676.6	728.6	832.5
140°	537.3	518.5	499.8	518.5	537.3	542.1	585.9	644.3	673.5	718.4	808.1
142.5°	548.1	530.8	513.4	530.8	548.1	552.5	592.9	646.6	673.5	712.9	791.7
145°	564.7	549.5	534.4	549.5	564.7	568.4	601.9	646.6	668.9	701.1	765.6
147.5°	584.8	570.0	555.3	570.0	584.8	588.5	615.2	651.0	668.9	694.3	745.1
150°	595.6	582.2	568.9	582.2	595.6	598.9	622.3	653.4	668.9	690.3	733.2
152.5°	603.2	593.1	583.0	593.1	603.2	605.8	626.8	654.9	668.9	687.2	723.8
155°	618.9	611.4	603.9	611.4	618.9	620.7	636.8	658.2	668.9	683.5	712.6
157.5°	633.9	626.7	619.4	626.7	633.9	635.7	646.8	661.5	668.9	680.2	702.9
160°	641.2	635.5	629.8	635.5	641.2	642.6	651.3	663.0	668.9	678.6	698.0
162.5°	648.8	644.5	640.3	644.5	648.8	649.9	656.2	664.7	668.9	677.1	693.5
165°	659.3	655.5	651.6	655.5	659.3	660.3	663.2	667.0	668.9	674.8	686.5
167.5°	665.8	663.9	662.2	663.9	665.8	666.2	668.7	671.9	673.5	677.3	685.0
170°	672.6	670.8	668.9	670.8	672.6	673.0	673.2	673.4	673.5	677.3	685.0
172.5°	673.4	673.0	672.6	673.0	673.4	673.5	673.5	673.5	673.5	676.5	682.5
175°	677.6	677.6	677.6	677.6	677.6	677.6	676.2	674.4	673.5	675.4	679.2
177.5°	677.6	677.6	677.6	677.6	677.6	677.6	676.6	675.1	674.4	675.9	678.9
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6



TEST NUMBER: P935457

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6	622.6
2.5°	600.8	599.1	601.4	595.0	601.4	599.1	600.8	605.0	601.4	603.7	606.1
5°	527.2	524.3	514.9	507.1	514.9	524.3	527.2	539.5	545.4	556.1	570.2
7.5°	471.2	468.8	466.6	461.8	466.6	468.8	471.2	474.7	480.7	490.1	500.7
10°	458.8	459.4	463.0	462.4	463.0	459.4	458.8	457.7	455.9	457.7	464.2
12.5°	490.7	496.0	515.4	514.2	515.4	496.0	490.7	467.1	451.2	448.3	449.4
15°	527.2	528.9	533.0	533.7	533.0	528.9	527.2	517.8	470.1	449.4	442.9
17.5°	530.8	531.3	534.3	534.3	534.3	531.3	530.8	526.6	510.7	483.0	446.5
20°	527.8	528.9	534.9	536.0	534.9	528.9	527.8	522.5	513.6	503.6	476.0
22.5°	526.6	528.9	533.7	533.0	533.7	528.9	526.6	518.4	510.7	503.6	492.5
25°	520.7	520.7	521.3	521.9	521.3	520.7	520.7	514.2	498.9	497.1	490.7
27.5°	508.4	509.5	513.0	512.5	513.0	509.5	508.4	506.0	489.5	487.7	483.0
30°	497.1	496.0	493.0	490.7	493.0	496.0	497.1	493.6	477.1	472.4	473.6
32.5°	478.3	475.3	472.4	470.7	472.4	475.3	478.3	477.1	464.7	458.3	459.4
35°	455.9	456.5	455.9	454.2	455.9	456.5	455.9	457.1	449.4	443.5	442.9
37.5°	440.0	441.2	440.6	438.3	440.6	441.2	440.0	438.8	428.3	426.5	427.6
40°	423.5	424.1	423.5	421.8	423.5	424.1	423.5	421.1	406.5	407.0	411.1
42.5°	407.6	407.0	405.2	404.1	405.2	407.0	407.6	404.1	385.2	383.5	391.1
45°	389.4	390.0	386.4	384.6	386.4	390.0	389.4	387.0	367.6	362.8	368.2
47.5°	371.1	371.1	368.2	366.3	368.2	371.1	371.1	368.2	347.5	342.8	345.8
50°	351.7	351.1	346.9	346.3	346.9	351.1	351.7	349.9	328.1	324.0	324.0
52.5°	329.3	329.3	329.9	331.0	329.9	329.3	329.3	329.9	310.4	306.3	305.1
55°	309.9	310.4	314.5	315.7	314.5	310.4	309.9	309.9	292.1	288.0	285.7
57.5°	289.8	289.8	292.7	292.7	292.7	289.8	289.8	288.6	271.6	268.0	266.8
60°	266.8	268.0	270.3	269.8	270.3	268.0	266.8	265.7	250.9	248.6	244.4
62.5°	242.7	243.9	244.4	243.3	244.4	243.9	242.7	239.2	230.3	228.5	223.3
65°	217.4	218.5	219.1	217.9	219.1	218.5	217.4	215.6	209.1	206.1	201.5
67.5°	191.5	190.9	190.2	192.6	190.2	190.9	191.5	189.1	185.0	182.6	176.1
70°	164.9	164.9	164.3	165.6	164.3	164.9	164.9	163.2	160.8	159.1	153.2
72.5°	136.7	136.0	138.4	136.7	138.4	136.0	136.7	136.0	134.9	133.2	127.3
75°	109.0	110.1	109.0	110.8	109.0	110.1	109.0	109.5	109.0	107.8	103.6
77.5°	83.1	84.2	83.1	83.1	83.1	84.2	83.1	83.6	83.6	83.6	80.1
80°	58.9	58.3	58.3	57.7	58.3	58.3	58.9	58.9	59.5	58.3	57.2
82.5°	37.7	37.2	37.2	38.3	37.2	37.2	37.7	38.3	37.2	37.2	37.2
85°	20.6	21.2	20.0	20.0	20.0	21.2	20.6	19.4	20.6	20.6	20.0
87.5°	7.6	7.0	7.0	7.0	7.0	7.0	7.6	8.3	8.3	8.3	8.9
90°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	23.0	30.7	34.5	29.7
92.5°	86.4	83.0	69.2	55.5	69.2	83.0	86.4	122.5	170.6	194.6	170.9
95°	293.4	282.9	241.3	199.6	241.3	282.9	293.4	385.2	507.7	568.9	480.4
97.5°	677.1	657.3	578.1	498.9	578.1	657.3	677.1	735.1	812.5	851.2	703.8
100°	950.8	927.2	832.9	738.5	832.9	927.2	950.8	946.6	940.9	938.1	774.5
102.5°	1184.7	1164.5	1083.6	1002.8	1083.6	1164.5	1184.7	1110.7	1012.1	962.7	796.8
105°	1457.5	1446.6	1403.2	1359.7	1403.2	1446.6	1457.5	1291.6	1070.6	960.0	799.3
107.5°	1599.3	1601.9	1612.5	1623.0	1612.5	1601.9	1599.3	1368.0	1059.7	905.4	763.8
110°	1635.7	1647.1	1692.3	1737.5	1692.3	1647.1	1635.7	1377.2	1032.4	859.9	732.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1612.6	1630.0	1699.4	1769.0	1699.4	1630.0	1612.6	1347.9	995.0	818.6	704.7
115°	1533.9	1557.9	1654.4	1750.8	1654.4	1557.9	1533.9	1278.9	938.9	769.0	673.0
117.5°	1425.1	1451.8	1558.8	1665.7	1558.8	1451.8	1425.1	1195.0	888.2	734.9	653.4
120°	1352.0	1378.0	1481.8	1585.7	1481.8	1378.0	1352.0	1141.7	861.4	721.3	646.7
122.5°	1278.7	1304.4	1406.8	1509.3	1406.8	1304.4	1278.7	1089.4	837.0	710.8	643.2
125°	1181.8	1205.5	1299.8	1394.2	1299.8	1205.5	1181.8	1021.0	806.6	699.4	640.3
127.5°	1104.1	1124.0	1203.6	1283.3	1203.6	1124.0	1104.1	966.0	781.9	689.8	638.6
130°	1055.0	1073.4	1147.0	1220.6	1147.0	1073.4	1055.0	932.1	768.2	686.2	639.7
132.5°	1013.2	1029.6	1095.5	1161.4	1095.5	1029.6	1013.2	903.2	756.4	683.1	640.3
135°	954.1	968.3	1025.1	1081.8	1025.1	968.3	954.1	862.0	739.1	677.6	639.7
137.5°	910.4	922.0	968.5	1015.0	968.5	922.0	910.4	832.5	728.6	676.6	643.6
140°	875.4	886.3	929.7	973.2	929.7	886.3	875.4	808.1	718.4	673.5	644.3
142.5°	850.8	860.1	897.5	935.0	897.5	860.1	850.8	791.7	712.9	673.5	646.6
145°	814.0	821.1	849.4	877.7	849.4	821.1	814.0	765.6	701.1	668.9	646.6
147.5°	783.1	789.0	812.3	835.8	812.3	789.0	783.1	745.1	694.3	668.9	651.0
150°	765.4	770.1	789.2	808.1	789.2	770.1	765.4	733.2	690.3	668.9	653.4
152.5°	751.2	754.8	769.1	783.5	769.1	754.8	751.2	723.8	687.2	668.9	654.9
155°	734.4	736.8	746.3	755.8	746.3	736.8	734.4	712.6	683.5	668.9	658.2
157.5°	719.9	721.5	728.2	734.9	728.2	721.5	719.9	702.9	680.2	668.9	661.5
160°	712.6	713.5	717.4	721.3	717.4	713.5	712.6	698.0	678.6	668.9	663.0
162.5°	705.8	706.7	710.4	714.0	710.4	706.7	705.8	693.5	677.1	668.9	664.7
165°	695.3	696.2	700.1	704.0	700.1	696.2	695.3	686.5	674.8	668.9	667.0
167.5°	690.8	691.2	692.8	694.4	692.8	691.2	690.8	685.0	677.3	673.5	671.9
170°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	685.0	677.3	673.5	673.4
172.5°	687.1	686.7	685.3	683.9	685.3	686.7	687.1	682.5	676.5	673.5	673.5
175°	682.1	682.1	682.1	682.1	682.1	682.1	682.1	679.2	675.4	673.5	674.4
177.5°	681.2	680.8	679.2	677.6	679.2	680.8	681.2	678.9	675.9	674.4	675.1
180°	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6	677.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	622.6	622.6	622.6	622.6	622.6
2.5°	615.0	617.9	619.6	622.0	627.9
5°	591.4	602.6	606.1	615.0	625.5
7.5°	539.5	573.7	583.1	604.4	620.9
10°	489.5	523.6	540.2	590.2	615.0
12.5°	464.2	484.2	495.4	565.5	606.7
15°	448.3	462.4	470.7	532.5	597.2
17.5°	435.9	445.9	451.8	500.1	584.3
20°	428.3	432.9	438.3	476.6	569.6
22.5°	422.9	420.0	424.1	460.1	549.6
25°	419.4	408.2	412.9	447.1	526.0
27.5°	422.4	397.6	399.4	435.3	501.2
30°	422.9	384.6	385.2	422.9	473.6
32.5°	418.8	371.1	371.7	407.6	442.4
35°	408.8	355.2	354.6	390.0	400.0
37.5°	395.2	338.1	338.1	370.5	353.4
40°	378.7	321.0	322.8	345.2	312.1
42.5°	358.7	302.8	305.1	311.6	281.6
45°	336.9	285.1	286.9	263.3	258.0
47.5°	312.8	266.8	267.4	218.5	250.3
50°	284.0	247.9	245.7	187.3	249.8
52.5°	258.6	227.4	220.3	169.6	226.8
55°	233.8	205.6	190.2	156.1	210.3
57.5°	212.0	177.3	162.6	140.2	206.8
60°	192.0	149.6	138.4	123.1	189.7
62.5°	175.6	129.0	126.7	111.4	172.0
65°	157.8	114.9	114.3	101.4	146.1
67.5°	140.8	105.4	104.9	91.9	111.4
70°	122.5	95.4	94.2	81.9	82.5
72.5°	103.6	84.2	83.1	73.6	68.3
75°	84.8	71.2	70.7	64.2	55.3
77.5°	66.6	56.6	57.7	51.8	40.7
80°	47.7	41.2	42.4	37.2	30.7
82.5°	31.8	27.1	28.3	23.5	20.6
85°	17.7	15.3	15.9	12.4	9.4
87.5°	8.3	7.0	7.0	4.7	3.0
90°	20.0	12.7	11.9	8.2	4.6
92.5°	123.4	87.7	80.0	49.1	18.2
95°	303.6	171.0	156.9	100.2	43.7
97.5°	408.9	187.8	175.3	125.3	75.4
100°	447.3	201.9	190.6	145.4	100.0
102.5°	464.9	216.0	205.4	163.2	120.9
105°	478.0	237.0	228.0	192.3	156.4
107.5°	480.4	267.9	259.5	226.2	192.8
110°	476.7	285.1	277.5	247.5	217.4



TEST NUMBER: P935457

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	476.8	306.0	298.8	270.2	241.4
115°	481.3	337.4	330.9	304.3	277.8
117.5°	490.3	367.9	361.9	337.9	313.8
120°	497.6	385.7	380.0	357.4	334.7
122.5°	508.0	406.6	400.9	378.0	355.2
125°	522.1	433.4	428.2	407.4	386.5
127.5°	536.1	459.3	454.0	433.0	412.0
130°	546.5	476.6	470.9	448.3	425.6
132.5°	554.8	490.7	485.1	462.4	439.8
135°	563.9	507.0	501.9	481.3	460.7
137.5°	577.5	527.9	522.9	502.4	482.0
140°	585.9	542.1	537.3	518.5	499.8
142.5°	592.9	552.5	548.1	530.8	513.4
145°	601.9	568.4	564.7	549.5	534.4
147.5°	615.2	588.5	584.8	570.0	555.3
150°	622.3	598.9	595.6	582.2	568.9
152.5°	626.8	605.8	603.2	593.1	583.0
155°	636.8	620.7	618.9	611.4	603.9
157.5°	646.8	635.7	633.9	626.7	619.4
160°	651.3	642.6	641.2	635.5	629.8
162.5°	656.2	649.9	648.8	644.5	640.3
165°	663.2	660.3	659.3	655.5	651.6
167.5°	668.7	666.2	665.8	663.9	662.2
170°	673.2	673.0	672.6	670.8	668.9
172.5°	673.5	673.5	673.4	673.0	672.6
175°	676.2	677.6	677.6	677.6	677.6
177.5°	676.6	677.6	677.6	677.6	677.6
180°	677.6	677.6	677.6	677.6	677.6



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CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-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	8.23	8.92	9.37	10.04	11.61	11.03	11.72	12.16	12.84	14.41
	3H	8.70	9.31	9.84	10.44	12.02	12.35	12.97	13.49	14.10	15.68
	4H	8.88	9.46	10.03	10.59	12.18	12.78	13.36	13.93	14.50	16.08
	6H	8.99	9.52	10.15	10.66	12.26	13.05	13.58	14.21	14.72	16.32
	8H	8.98	9.49	10.15	10.65	12.24	13.11	13.62	14.27	14.77	16.37
	12H	8.95	9.43	10.11	10.58	12.19	13.14	13.62	14.31	14.77	16.38
4H	2H	9.23	9.82	10.39	10.95	12.54	11.42	12.00	12.58	13.14	14.72
	3H	10.24	10.73	11.41	11.89	13.49	12.90	13.38	14.06	14.54	16.14
	4H	10.51	10.96	11.68	12.11	13.73	13.41	13.86	14.58	15.01	16.62
	6H	10.63	11.01	11.80	12.18	13.79	13.76	14.14	14.93	15.31	16.92
	8H	10.63	10.99	11.80	12.15	13.78	13.86	14.21	15.03	15.37	17.00
	12H	10.59	10.91	11.77	12.09	13.72	13.90	14.22	15.08	15.40	17.03
8H	4H	10.95	11.30	12.12	12.47	14.09	13.52	13.88	14.69	15.04	16.67
	6H	11.20	11.50	12.39	12.70	14.32	13.94	14.24	15.13	15.44	17.06
	8H	11.24	11.50	12.44	12.68	14.32	14.09	14.35	15.28	15.53	17.17
	12H	11.22	11.44	12.42	12.62	14.30	14.17	14.40	15.37	15.58	17.25
12H	4H	10.94	11.27	12.13	12.44	14.07	13.48	13.80	14.66	14.98	16.61
	6H	11.26	11.52	12.45	12.70	14.34	13.94	14.20	15.13	15.38	17.02
	8H	11.32	11.54	12.52	12.72	14.40	14.09	14.31	15.29	15.49	17.17