

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: P935434

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935434
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-92765-1D-UNV-STD-W-4-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

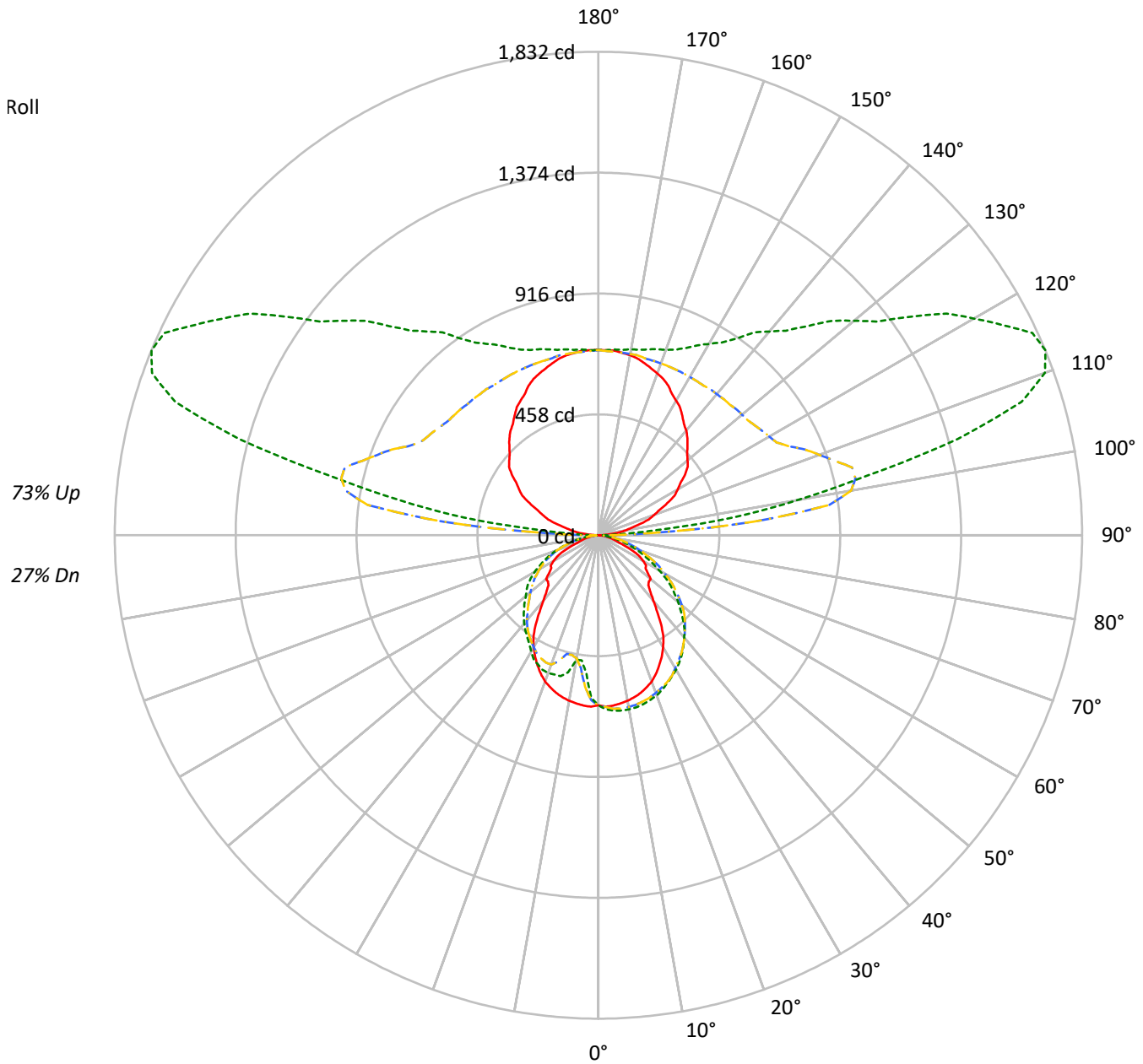
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6223.8 lumens
Efficiency: N/A
Efficacy: 130.8 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

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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										
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	50	30	10	0														
RCR																																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27						27														
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23						23														
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19						19														
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16						16														
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14						14														
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12						12														
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10						10														
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9						9														
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8						8														
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7						7														
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7						7														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6021	6040	6021	4749
10°	5975	5950	5975	4254
15°	5903	5821	5903	4860
20°	5773	5668	5773	4871
25°	5514	5446	5514	4767
30°	5181	5260	5181	4541
35°	4611	5027	4611	4292
40°	3836	4752	3836	4104
45°	3421	4429	3421	3887
50°	3627	4044	3627	3670
55°	3402	3630	3402	3545
60°	3495	3083	3495	3246
65°	3153	2548	3153	2849
70°	2168	2031	2168	2389
75°	1879	1502	1879	1798
80°	1484	993	1484	1081
85°	803	526	803	446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5253 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	0.9
10°-20°	165.3	2.7
20°-30°	255.5	4.1
30°-40°	305.0	4.9
40°-50°	306.8	4.9
50°-60°	266.9	4.3
60°-70°	189.3	3.0
70°-80°	100.1	1.6
80°-90°	27.6	0.4
90°-100°	342.1	5.5
100°-110°	899.3	14.4
110°-120°	932.5	15.0
120°-130°	748.0	12.0
130°-140°	586.9	9.4
140°-150°	450.5	7.2
150°-160°	324.4	5.2
160°-170°	198.5	3.2
170°-180°	67.1	1.1
0°-30°	478.9	7.7
0°-40°	783.9	12.6
0°-60°	1357.6	21.8
0°-90°	1674.6	26.9
90°-120°	2173.9	34.9
90°-150°	3959.2	63.6
90°-180°	4549.0	73.1
0°-180°	6223.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	645	645	645	645	645	
5°	648	668	648	525	648	61
15°	619	662	619	553	619	174
25°	545	617	545	540	545	250
35°	414	551	414	470	414	256
45°	267	454	267	398	267	214
55°	218	335	218	327	218	200
65°	151	202	151	226	151	145
75°	57	96	57	115	57	60
85°	10	24	10	21	10	13
90°	5	18	5	18	5	4
95°	45	207	45	207	45	50
105°	162	1408	162	1408	162	172
115°	288	1813	288	1813	288	284
125°	400	1444	400	1444	400	355
135°	477	1120	477	1120	477	369
145°	553	909	553	909	553	347
155°	626	783	626	783	626	287
165°	675	729	675	729	675	190
175°	702	706	702	706	702	67
180°	702	702	702	702	702	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8
2.5°	650.3	650.3	653.9	655.2	655.2	653.4	651.6	653.4	658.9	660.7	660.0
5°	647.8	652.8	659.5	660.7	661.9	661.3	660.0	661.3	667.4	668.6	669.2
7.5°	643.0	652.1	660.7	662.5	664.3	662.5	661.9	663.1	669.2	670.4	670.4
10°	636.9	649.7	659.5	660.7	662.5	660.7	660.7	663.1	669.2	670.4	671.0
12.5°	628.4	646.0	655.2	656.4	658.9	658.2	657.7	660.0	666.2	667.4	667.4
15°	618.6	639.3	647.8	649.1	653.4	652.1	652.1	654.6	661.3	663.1	662.5
17.5°	605.2	630.8	640.6	642.4	645.5	644.8	645.5	647.8	653.9	655.2	655.8
20°	589.9	619.2	630.8	632.7	635.7	635.7	635.7	638.7	644.8	647.3	647.3
22.5°	569.2	607.0	619.2	620.5	624.1	624.1	625.3	629.6	635.0	635.7	635.7
25°	544.8	593.5	603.9	607.6	611.3	613.1	614.9	617.4	619.2	618.6	619.2
27.5°	519.1	576.5	589.9	592.4	597.3	599.1	601.5	602.1	602.7	604.5	603.4
30°	490.5	552.7	572.8	575.3	583.2	584.4	582.0	583.2	586.3	587.4	588.7
32.5°	458.2	517.3	555.2	560.6	568.0	564.3	563.7	565.5	570.4	570.4	571.6
35°	414.2	489.8	538.7	543.6	549.1	544.8	547.2	547.8	550.9	552.7	552.1
37.5°	366.0	466.1	521.6	525.2	529.5	524.0	527.7	529.5	532.0	530.8	530.8
40°	323.3	428.9	501.5	503.9	507.6	503.3	506.9	508.2	509.4	508.2	507.6
42.5°	291.6	388.0	480.1	483.2	480.7	483.7	485.0	487.5	485.6	483.2	483.2
45°	267.2	377.0	456.9	460.5	456.9	461.8	463.6	463.6	458.2	456.9	456.3
47.5°	259.2	355.0	433.7	433.7	431.9	438.0	441.1	436.8	431.3	429.4	429.4
50°	258.7	330.7	402.1	399.6	408.2	415.4	412.4	408.2	403.9	397.1	397.1
52.5°	234.9	300.7	361.1	370.3	383.7	388.0	383.1	378.9	371.5	368.5	366.0
55°	217.8	269.6	323.9	342.2	356.3	361.8	352.6	348.3	337.4	335.6	334.3
57.5°	214.1	224.5	289.8	312.9	330.0	329.5	323.9	316.0	306.8	305.0	304.5
60°	196.5	162.3	253.2	280.6	298.3	296.5	291.6	284.3	275.7	274.5	273.3
62.5°	178.1	117.7	211.7	242.8	267.8	267.2	263.0	252.0	245.9	242.8	240.3
65°	151.3	98.8	150.7	201.9	238.0	239.1	230.0	222.0	215.3	211.7	211.0
67.5°	115.3	80.5	101.9	168.4	209.2	208.0	196.5	192.8	184.2	182.4	178.7
70°	85.4	53.7	70.8	136.6	181.2	178.1	169.0	164.7	156.8	152.5	150.1
72.5°	70.8	43.3	51.8	106.2	152.5	148.8	140.9	136.1	129.4	125.7	123.3
75°	57.3	45.8	39.7	78.7	123.8	121.4	114.1	109.2	103.7	98.8	99.4
77.5°	42.1	42.7	31.7	57.9	98.2	94.6	90.3	84.2	81.8	76.9	76.9
80°	31.7	33.6	23.8	39.7	70.8	70.8	67.1	62.9	58.6	56.1	56.1
82.5°	21.4	21.4	17.6	25.0	48.2	46.4	43.9	42.7	40.3	39.0	39.0
85°	9.7	12.2	11.0	15.3	26.2	27.5	27.5	26.2	25.7	24.4	25.0
87.5°	3.1	5.5	6.7	8.6	13.5	14.0	14.6	14.6	14.6	15.3	15.3
90°	4.7	8.5	12.3	13.2	20.7	30.7	35.7	31.7	23.8	17.9	17.9
92.5°	18.8	50.8	82.9	90.9	127.8	177.0	201.6	176.7	126.9	89.5	86.0
95°	45.2	103.8	162.5	177.1	314.5	497.6	589.2	525.8	399.0	303.8	293.0
97.5°	78.1	129.8	181.6	194.5	423.5	728.9	881.6	841.5	761.4	701.2	680.8
100°	103.6	150.5	197.4	209.1	463.3	802.1	971.6	974.5	980.4	984.8	960.3
102.5°	125.3	169.0	212.8	223.7	481.5	825.2	997.1	1048.2	1150.3	1226.9	1206.0
105°	162.0	199.1	236.1	245.4	495.0	827.9	994.2	1108.8	1337.7	1509.5	1498.2
107.5°	199.7	234.2	268.8	277.4	497.6	791.0	937.7	1097.5	1416.9	1656.4	1659.1
110°	225.1	256.3	287.4	295.3	493.8	758.4	890.6	1069.2	1426.3	1694.1	1705.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	250.1	279.8	309.5	316.9	493.8	729.8	847.8	1030.5	1396.0	1670.1	1688.1
115°	287.7	315.2	342.7	349.5	498.5	697.1	796.4	972.4	1324.5	1588.6	1613.5
117.5°	325.0	349.9	374.9	381.0	507.8	676.7	761.1	919.9	1237.7	1476.0	1503.6
120°	346.7	370.1	393.6	399.4	515.3	669.8	747.0	892.2	1182.4	1400.2	1427.1
122.5°	367.9	391.5	415.2	421.1	526.1	666.1	736.2	866.9	1128.3	1324.3	1350.9
125°	400.3	421.9	443.4	448.8	540.7	663.1	724.3	835.4	1057.5	1224.0	1248.5
127.5°	426.7	448.5	470.2	475.6	555.2	661.4	714.4	809.8	1000.5	1143.5	1164.2
130°	440.8	464.3	487.7	493.6	566.0	662.5	710.7	795.6	965.3	1092.7	1111.7
132.5°	455.5	478.9	502.4	508.2	574.6	663.1	707.4	783.4	935.4	1049.4	1066.4
135°	477.1	498.5	519.8	525.1	584.0	662.5	701.8	765.5	892.7	988.1	1002.9
137.5°	499.2	520.3	541.5	546.8	598.1	666.6	700.8	754.5	862.2	942.8	954.8
140°	517.6	537.0	556.5	561.4	606.8	667.3	697.5	744.0	837.0	906.6	917.9
142.5°	531.7	549.7	567.7	572.3	614.0	669.7	697.5	738.4	819.9	881.2	890.8
145°	553.4	569.1	584.8	588.7	623.4	669.7	692.8	726.2	792.9	843.1	850.4
147.5°	575.1	590.4	605.6	609.5	637.2	674.2	692.8	719.1	771.6	811.0	817.1
150°	589.2	603.0	616.8	620.3	644.5	676.7	692.8	715.0	759.4	792.7	797.6
152.5°	603.8	614.3	624.7	627.4	649.2	678.2	692.8	711.7	749.6	778.0	781.7
155°	625.5	633.2	640.9	642.8	659.5	681.7	692.8	707.9	738.0	760.6	763.1
157.5°	641.5	649.0	656.5	658.4	669.9	685.1	692.8	704.5	728.0	745.5	747.3
160°	652.3	658.1	664.0	665.5	674.6	686.7	692.8	702.8	722.9	738.0	739.0
162.5°	663.1	667.5	671.9	673.0	679.6	688.4	692.8	701.2	718.2	731.0	731.9
165°	674.9	678.9	682.9	683.9	686.9	690.8	692.8	698.9	711.0	720.1	721.1
167.5°	685.8	687.6	689.5	690.0	692.5	695.9	697.5	701.5	709.4	715.4	715.9
170°	692.8	694.7	696.6	697.1	697.2	697.4	697.5	701.5	709.4	715.4	715.4
172.5°	696.6	697.0	697.4	697.5	697.5	697.5	697.5	700.6	706.9	711.6	711.2
175°	701.8	701.8	701.8	701.8	700.3	698.4	697.5	699.5	703.4	706.4	706.4
177.5°	701.8	701.8	701.8	701.8	700.7	699.1	698.4	700.0	703.1	705.5	705.1
180°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8
2.5°	661.3	659.5	661.3	660.0	660.7	658.9	653.4	651.6	653.4	655.2	655.2
5°	669.2	668.0	669.2	669.2	668.6	667.4	661.3	660.0	661.3	661.9	660.7
7.5°	671.7	669.9	671.7	670.4	670.4	669.2	663.1	661.9	662.5	664.3	662.5
10°	671.7	669.9	671.7	671.0	670.4	669.2	663.1	660.7	660.7	662.5	660.7
12.5°	668.6	667.4	668.6	667.4	667.4	666.2	660.0	657.7	658.2	658.9	656.4
15°	663.8	661.9	663.8	662.5	663.1	661.3	654.6	652.1	652.1	653.4	649.1
17.5°	656.4	653.9	656.4	655.8	655.2	653.9	647.8	645.5	644.8	645.5	642.4
20°	647.8	646.0	647.8	647.3	647.3	644.8	638.7	635.7	635.7	635.7	632.7
22.5°	634.5	632.7	634.5	635.7	635.7	635.0	629.6	625.3	624.1	624.1	620.5
25°	619.2	617.4	619.2	619.2	618.6	619.2	617.4	614.9	613.1	611.3	607.6
27.5°	604.5	603.4	604.5	603.4	604.5	602.7	602.1	601.5	599.1	597.3	592.4
30°	589.9	588.7	589.9	588.7	587.4	586.3	583.2	582.0	584.4	583.2	575.3
32.5°	571.6	570.4	571.6	571.6	570.4	570.4	565.5	563.7	564.3	568.0	560.6
35°	552.7	550.9	552.7	552.1	552.7	550.9	547.8	547.2	544.8	549.1	543.6
37.5°	530.8	529.0	530.8	530.8	530.8	532.0	529.5	527.7	524.0	529.5	525.2
40°	508.2	505.8	508.2	507.6	508.2	509.4	508.2	506.9	503.3	507.6	503.9
42.5°	482.6	481.9	482.6	483.2	483.2	485.6	487.5	485.0	483.7	480.7	483.2
45°	455.1	453.9	455.1	456.3	456.9	458.2	463.6	463.6	461.8	456.9	460.5
47.5°	425.8	422.8	425.8	429.4	429.4	431.3	436.8	441.1	438.0	431.9	433.7
50°	394.7	395.3	394.7	397.1	397.1	403.9	408.2	412.4	415.4	408.2	399.6
52.5°	364.2	363.6	364.2	366.0	368.5	371.5	378.9	383.1	388.0	383.7	370.3
55°	333.7	334.9	333.7	334.3	335.6	337.4	348.3	352.6	361.8	356.3	342.2
57.5°	303.2	301.4	303.2	304.5	305.0	306.8	316.0	323.9	329.5	330.0	312.9
60°	267.8	265.3	267.8	273.3	274.5	275.7	284.3	291.6	296.5	298.3	280.6
62.5°	236.7	232.4	236.7	240.3	242.8	245.9	252.0	263.0	267.2	267.8	242.8
65°	203.8	201.9	203.8	211.0	211.7	215.3	222.0	230.0	239.1	238.0	201.9
67.5°	173.8	173.8	173.8	178.7	182.4	184.2	192.8	196.5	208.0	209.2	168.4
70°	146.5	145.8	146.5	150.1	152.5	156.8	164.7	169.0	178.1	181.2	136.6
72.5°	120.2	119.5	120.2	123.3	125.7	129.4	136.1	140.9	148.8	152.5	106.2
75°	97.0	95.8	97.0	99.4	98.8	103.7	109.2	114.1	121.4	123.8	78.7
77.5°	74.4	74.4	74.4	76.9	76.9	81.8	84.2	90.3	94.6	98.2	57.9
80°	55.5	54.9	55.5	56.1	56.1	58.6	62.9	67.1	70.8	70.8	39.7
82.5°	39.0	37.8	39.0	39.0	39.0	40.3	42.7	43.9	46.4	48.2	25.0
85°	24.4	24.4	24.4	25.0	24.4	25.7	26.2	27.5	27.5	26.2	15.3
87.5°	15.8	15.3	15.8	15.3	15.3	14.6	14.6	14.6	14.0	13.5	8.6
90°	17.9	17.9	17.9	17.9	17.9	23.8	31.7	35.7	30.7	20.7	13.2
92.5°	71.7	57.5	71.7	86.0	89.5	126.9	176.7	201.6	177.0	127.8	90.9
95°	249.9	206.8	249.9	293.0	303.8	399.0	525.8	589.2	497.6	314.5	177.1
97.5°	598.7	516.7	598.7	680.8	701.2	761.4	841.5	881.6	728.9	423.5	194.5
100°	862.6	764.8	862.6	960.3	984.8	980.4	974.5	971.6	802.1	463.3	209.1
102.5°	1122.2	1038.5	1122.2	1206.0	1226.9	1150.3	1048.2	997.1	825.2	481.5	223.7
105°	1453.2	1408.2	1453.2	1498.2	1509.5	1337.7	1108.8	994.2	827.9	495.0	245.4
107.5°	1670.0	1680.9	1670.0	1659.1	1656.4	1416.9	1097.5	937.7	791.0	497.6	277.4
110°	1752.7	1799.5	1752.7	1705.8	1694.1	1426.3	1069.2	890.6	758.4	493.8	295.3



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1760.1	1832.1	1760.1	1688.1	1670.1	1396.0	1030.5	847.8	729.8	493.8	316.9
115°	1713.4	1813.3	1713.4	1613.5	1588.6	1324.5	972.4	796.4	697.1	498.5	349.5
117.5°	1614.4	1725.1	1614.4	1503.6	1476.0	1237.7	919.9	761.1	676.7	507.8	381.0
120°	1534.6	1642.3	1534.6	1427.1	1400.2	1182.4	892.2	747.0	669.8	515.3	399.4
122.5°	1457.0	1563.1	1457.0	1350.9	1324.3	1128.3	866.9	736.2	666.1	526.1	421.1
125°	1346.2	1444.0	1346.2	1248.5	1224.0	1057.5	835.4	724.3	663.1	540.7	448.8
127.5°	1246.6	1329.1	1246.6	1164.2	1143.5	1000.5	809.8	714.4	661.4	555.2	475.6
130°	1187.9	1264.1	1187.9	1111.7	1092.7	965.3	795.6	710.7	662.5	566.0	493.6
132.5°	1134.6	1202.8	1134.6	1066.4	1049.4	935.4	783.4	707.4	663.1	574.6	508.2
135°	1061.6	1120.4	1061.6	1002.9	988.1	892.7	765.5	701.8	662.5	584.0	525.1
137.5°	1003.1	1051.2	1003.1	954.8	942.8	862.2	754.5	700.8	666.6	598.1	546.8
140°	962.9	1007.9	962.9	917.9	906.6	837.0	744.0	697.5	667.3	606.8	561.4
142.5°	929.6	968.3	929.6	890.8	881.2	819.9	738.4	697.5	669.7	614.0	572.3
145°	879.7	909.0	879.7	850.4	843.1	792.9	726.2	692.8	669.7	623.4	588.7
147.5°	841.3	865.6	841.3	817.1	811.0	771.6	719.1	692.8	674.2	637.2	609.5
150°	817.3	837.0	817.3	797.6	792.7	759.4	715.0	692.8	676.7	644.5	620.3
152.5°	796.6	811.5	796.6	781.7	778.0	749.6	711.7	692.8	678.2	649.2	627.4
155°	772.9	782.7	772.9	763.1	760.6	738.0	707.9	692.8	681.7	659.5	642.8
157.5°	754.2	761.1	754.2	747.3	745.5	728.0	704.5	692.8	685.1	669.9	658.4
160°	743.0	747.0	743.0	739.0	738.0	722.9	702.8	692.8	686.7	674.6	665.5
162.5°	735.7	739.4	735.7	731.9	731.0	718.2	701.2	692.8	688.4	679.6	673.0
165°	725.1	729.1	725.1	721.1	720.1	711.0	698.9	692.8	690.8	686.9	683.9
167.5°	717.5	719.2	717.5	715.9	715.4	709.4	701.5	697.5	695.9	692.5	690.0
170°	715.4	715.4	715.4	715.4	715.4	709.4	701.5	697.5	697.4	697.2	697.1
172.5°	709.8	708.3	709.8	711.2	711.6	706.9	700.6	697.5	697.5	697.5	697.5
175°	706.4	706.4	706.4	706.4	706.4	703.4	699.5	697.5	698.4	700.3	701.8
177.5°	703.4	701.8	703.4	705.1	705.5	703.1	700.0	698.4	699.1	700.7	701.8
180°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8
2.5°	653.9	650.3	650.3	644.2	641.7	639.9	636.9	627.7	625.3	622.8	626.6
5°	659.5	652.8	647.8	636.9	627.7	624.1	612.5	590.5	575.9	564.9	558.8
7.5°	660.7	652.1	643.0	625.9	603.9	594.2	558.8	518.6	507.6	497.8	491.7
10°	659.5	649.7	636.9	611.3	559.4	542.3	506.9	480.7	474.0	472.2	474.0
12.5°	655.2	646.0	628.4	585.6	513.0	501.5	480.7	465.5	464.3	467.3	483.7
15°	647.8	639.3	618.6	551.5	487.5	478.9	464.3	458.7	465.5	486.8	536.2
17.5°	640.6	630.8	605.2	517.9	467.9	461.8	451.5	462.5	500.2	529.0	545.4
20°	630.8	619.2	589.9	493.6	453.9	448.4	443.5	492.9	521.6	532.0	541.1
22.5°	619.2	607.0	569.2	476.5	439.3	435.0	438.0	510.0	521.6	529.0	536.9
25°	603.9	593.5	544.8	463.0	427.6	422.8	434.4	508.2	514.9	516.7	532.6
27.5°	589.9	576.5	519.1	450.8	413.6	411.8	437.4	500.2	505.1	506.9	524.0
30°	572.8	552.7	490.5	438.0	399.0	398.3	438.0	490.5	489.3	494.1	511.2
32.5°	555.2	517.3	458.2	422.2	385.0	384.3	433.7	475.8	474.6	481.3	494.1
35°	538.7	489.8	414.2	403.9	367.2	367.9	423.3	458.7	459.4	465.5	473.4
37.5°	521.6	466.1	366.0	383.7	350.2	350.2	409.3	442.9	441.7	443.5	454.5
40°	501.5	428.9	323.3	357.5	334.3	332.5	392.2	425.8	421.5	421.0	436.2
42.5°	480.1	388.0	291.6	322.7	316.0	313.6	371.5	405.1	397.1	399.0	418.5
45°	456.9	377.0	267.2	272.7	297.1	295.3	348.9	381.3	375.8	380.7	400.8
47.5°	433.7	355.0	259.2	226.3	277.0	276.3	323.9	358.1	355.0	359.9	381.3
50°	402.1	330.7	258.7	194.0	254.4	256.8	294.1	335.6	335.6	339.8	362.4
52.5°	361.1	300.7	234.9	175.7	228.1	235.5	267.8	316.0	317.2	321.5	341.7
55°	323.9	269.6	217.8	161.6	197.0	212.9	242.1	295.9	298.3	302.5	320.9
57.5°	289.8	224.5	214.1	145.2	168.4	183.7	219.6	276.3	277.5	281.3	298.9
60°	253.2	162.3	196.5	127.5	143.4	154.9	198.8	253.2	257.4	259.9	275.2
62.5°	211.7	117.7	178.1	115.3	131.2	133.6	181.8	231.2	236.7	238.5	247.7
65°	150.7	98.8	151.3	105.0	118.3	119.0	163.5	208.7	213.5	216.6	223.3
67.5°	101.9	80.5	115.3	95.1	108.6	109.2	145.8	182.4	189.1	191.6	195.8
70°	70.8	53.7	85.4	84.8	97.6	98.8	126.9	158.6	164.7	166.6	169.0
72.5°	51.8	43.3	70.8	76.2	86.1	87.2	107.3	131.8	137.9	139.7	140.9
75°	39.7	45.8	57.3	66.5	73.2	73.8	87.9	107.3	111.6	112.9	113.4
77.5°	31.7	42.7	42.1	53.7	59.8	58.6	69.0	83.0	86.6	86.6	86.6
80°	23.8	33.6	31.7	38.5	43.9	42.7	49.4	59.2	60.4	61.6	61.0
82.5°	17.6	21.4	21.4	24.4	29.3	28.1	32.9	38.5	38.5	38.5	39.7
85°	11.0	12.2	9.7	12.8	16.5	15.8	18.3	20.7	21.4	21.4	20.1
87.5°	6.7	5.5	3.1	4.9	7.3	7.3	8.6	9.2	8.6	8.6	8.6
90°	12.3	8.5	4.7	8.5	12.3	13.2	20.7	30.7	35.7	31.7	23.8
92.5°	82.9	50.8	18.8	50.8	82.9	90.9	127.8	177.0	201.6	176.7	126.9
95°	162.5	103.8	45.2	103.8	162.5	177.1	314.5	497.6	589.2	525.8	399.0
97.5°	181.6	129.8	78.1	129.8	181.6	194.5	423.5	728.9	881.6	841.5	761.4
100°	197.4	150.5	103.6	150.5	197.4	209.1	463.3	802.1	971.6	974.5	980.4
102.5°	212.8	169.0	125.3	169.0	212.8	223.7	481.5	825.2	997.1	1048.2	1150.3
105°	236.1	199.1	162.0	199.1	236.1	245.4	495.0	827.9	994.2	1108.8	1337.7
107.5°	268.8	234.2	199.7	234.2	268.8	277.4	497.6	791.0	937.7	1097.5	1416.9
110°	287.4	256.3	225.1	256.3	287.4	295.3	493.8	758.4	890.6	1069.2	1426.3



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	309.5	279.8	250.1	279.8	309.5	316.9	493.8	729.8	847.8	1030.5	1396.0
115°	342.7	315.2	287.7	315.2	342.7	349.5	498.5	697.1	796.4	972.4	1324.5
117.5°	374.9	349.9	325.0	349.9	374.9	381.0	507.8	676.7	761.1	919.9	1237.7
120°	393.6	370.1	346.7	370.1	393.6	399.4	515.3	669.8	747.0	892.2	1182.4
122.5°	415.2	391.5	367.9	391.5	415.2	421.1	526.1	666.1	736.2	866.9	1128.3
125°	443.4	421.9	400.3	421.9	443.4	448.8	540.7	663.1	724.3	835.4	1057.5
127.5°	470.2	448.5	426.7	448.5	470.2	475.6	555.2	661.4	714.4	809.8	1000.5
130°	487.7	464.3	440.8	464.3	487.7	493.6	566.0	662.5	710.7	795.6	965.3
132.5°	502.4	478.9	455.5	478.9	502.4	508.2	574.6	663.1	707.4	783.4	935.4
135°	519.8	498.5	477.1	498.5	519.8	525.1	584.0	662.5	701.8	765.5	892.7
137.5°	541.5	520.3	499.2	520.3	541.5	546.8	598.1	666.6	700.8	754.5	862.2
140°	556.5	537.0	517.6	537.0	556.5	561.4	606.8	667.3	697.5	744.0	837.0
142.5°	567.7	549.7	531.7	549.7	567.7	572.3	614.0	669.7	697.5	738.4	819.9
145°	584.8	569.1	553.4	569.1	584.8	588.7	623.4	669.7	692.8	726.2	792.9
147.5°	605.6	590.4	575.1	590.4	605.6	609.5	637.2	674.2	692.8	719.1	771.6
150°	616.8	603.0	589.2	603.0	616.8	620.3	644.5	676.7	692.8	715.0	759.4
152.5°	624.7	614.3	603.8	614.3	624.7	627.4	649.2	678.2	692.8	711.7	749.6
155°	640.9	633.2	625.5	633.2	640.9	642.8	659.5	681.7	692.8	707.9	738.0
157.5°	656.5	649.0	641.5	649.0	656.5	658.4	669.9	685.1	692.8	704.5	728.0
160°	664.0	658.1	652.3	658.1	664.0	665.5	674.6	686.7	692.8	702.8	722.9
162.5°	671.9	667.5	663.1	667.5	671.9	673.0	679.6	688.4	692.8	701.2	718.2
165°	682.9	678.9	674.9	678.9	682.9	683.9	686.9	690.8	692.8	698.9	711.0
167.5°	689.5	687.6	685.8	687.6	689.5	690.0	692.5	695.9	697.5	701.5	709.4
170°	696.6	694.7	692.8	694.7	696.6	697.1	697.2	697.4	697.5	701.5	709.4
172.5°	697.4	697.0	696.6	697.0	697.4	697.5	697.5	697.5	697.5	700.6	706.9
175°	701.8	701.8	701.8	701.8	701.8	701.8	700.3	698.4	697.5	699.5	703.4
177.5°	701.8	701.8	701.8	701.8	701.8	701.8	700.7	699.1	698.4	700.0	703.1
180°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8	644.8
2.5°	622.3	620.5	622.8	616.2	622.8	620.5	622.3	626.6	622.8	625.3	627.7
5°	546.0	543.0	533.2	525.2	533.2	543.0	546.0	558.8	564.9	575.9	590.5
7.5°	488.0	485.6	483.2	478.3	483.2	485.6	488.0	491.7	497.8	507.6	518.6
10°	475.2	475.8	479.5	478.9	479.5	475.8	475.2	474.0	472.2	474.0	480.7
12.5°	508.2	513.7	533.8	532.6	533.8	513.7	508.2	483.7	467.3	464.3	465.5
15°	546.0	547.8	552.1	552.7	552.1	547.8	546.0	536.2	486.8	465.5	458.7
17.5°	549.7	550.2	553.3	553.3	553.3	550.2	549.7	545.4	529.0	500.2	462.5
20°	546.6	547.8	554.0	555.2	554.0	547.8	546.6	541.1	532.0	521.6	492.9
22.5°	545.4	547.8	552.7	552.1	552.7	547.8	545.4	536.9	529.0	521.6	510.0
25°	539.3	539.3	539.9	540.5	539.9	539.3	539.3	532.6	516.7	514.9	508.2
27.5°	526.5	527.7	531.3	530.8	531.3	527.7	526.5	524.0	506.9	505.1	500.2
30°	514.9	513.7	510.6	508.2	510.6	513.7	514.9	511.2	494.1	489.3	490.5
32.5°	495.4	492.3	489.3	487.5	489.3	492.3	495.4	494.1	481.3	474.6	475.8
35°	472.2	472.8	472.2	470.4	472.2	472.8	472.2	473.4	465.5	459.4	458.7
37.5°	455.7	456.9	456.3	453.9	456.3	456.9	455.7	454.5	443.5	441.7	442.9
40°	438.6	439.3	438.6	436.8	438.6	439.3	438.6	436.2	421.0	421.5	425.8
42.5°	422.2	421.5	419.7	418.5	419.7	421.5	422.2	418.5	399.0	397.1	405.1
45°	403.2	403.9	400.1	398.3	400.1	403.9	403.2	400.8	380.7	375.8	381.3
47.5°	384.3	384.3	381.3	379.4	381.3	384.3	384.3	381.3	359.9	355.0	358.1
50°	364.2	363.6	359.3	358.7	359.3	363.6	364.2	362.4	339.8	335.6	335.6
52.5°	341.0	341.0	341.7	342.8	341.7	341.0	341.0	341.7	321.5	317.2	316.0
55°	320.9	321.5	325.7	327.0	325.7	321.5	320.9	320.9	302.5	298.3	295.9
57.5°	300.2	300.2	303.2	303.2	303.2	300.2	300.2	298.9	281.3	277.5	276.3
60°	276.3	277.5	280.0	279.4	280.0	277.5	276.3	275.2	259.9	257.4	253.2
62.5°	251.3	252.6	253.2	252.0	253.2	252.6	251.3	247.7	238.5	236.7	231.2
65°	225.1	226.3	227.0	225.7	227.0	226.3	225.1	223.3	216.6	213.5	208.7
67.5°	198.3	197.7	197.0	199.5	197.0	197.7	198.3	195.8	191.6	189.1	182.4
70°	170.8	170.8	170.2	171.5	170.2	170.8	170.8	169.0	166.6	164.7	158.6
72.5°	141.5	140.9	143.4	141.5	143.4	140.9	141.5	140.9	139.7	137.9	131.8
75°	112.9	114.1	112.9	114.7	112.9	114.1	112.9	113.4	112.9	111.6	107.3
77.5°	86.1	87.2	86.1	86.1	86.1	87.2	86.1	86.6	86.6	86.6	83.0
80°	61.0	60.4	60.4	59.8	60.4	60.4	61.0	61.0	61.6	60.4	59.2
82.5°	39.0	38.5	38.5	39.7	38.5	38.5	39.0	39.7	38.5	38.5	38.5
85°	21.4	21.9	20.7	20.7	20.7	21.9	21.4	20.1	21.4	21.4	20.7
87.5°	7.9	7.3	7.3	7.3	7.3	7.3	7.9	8.6	8.6	8.6	9.2
90°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23.8	31.7	35.7	30.7
92.5°	89.5	86.0	71.7	57.5	71.7	86.0	89.5	126.9	176.7	201.6	177.0
95°	303.8	293.0	249.9	206.8	249.9	293.0	303.8	399.0	525.8	589.2	497.6
97.5°	701.2	680.8	598.7	516.7	598.7	680.8	701.2	761.4	841.5	881.6	728.9
100°	984.8	960.3	862.6	764.8	862.6	960.3	984.8	980.4	974.5	971.6	802.1
102.5°	1226.9	1206.0	1122.2	1038.5	1122.2	1206.0	1226.9	1150.3	1048.2	997.1	825.2
105°	1509.5	1498.2	1453.2	1408.2	1453.2	1498.2	1509.5	1337.7	1108.8	994.2	827.9
107.5°	1656.4	1659.1	1670.0	1680.9	1670.0	1659.1	1656.4	1416.9	1097.5	937.7	791.0
110°	1694.1	1705.8	1752.7	1799.5	1752.7	1705.8	1694.1	1426.3	1069.2	890.6	758.4



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1670.1	1688.1	1760.1	1832.1	1760.1	1688.1	1670.1	1396.0	1030.5	847.8	729.8
115°	1588.6	1613.5	1713.4	1813.3	1713.4	1613.5	1588.6	1324.5	972.4	796.4	697.1
117.5°	1476.0	1503.6	1614.4	1725.1	1614.4	1503.6	1476.0	1237.7	919.9	761.1	676.7
120°	1400.2	1427.1	1534.6	1642.3	1534.6	1427.1	1400.2	1182.4	892.2	747.0	669.8
122.5°	1324.3	1350.9	1457.0	1563.1	1457.0	1350.9	1324.3	1128.3	866.9	736.2	666.1
125°	1224.0	1248.5	1346.2	1444.0	1346.2	1248.5	1224.0	1057.5	835.4	724.3	663.1
127.5°	1143.5	1164.2	1246.6	1329.1	1246.6	1164.2	1143.5	1000.5	809.8	714.4	661.4
130°	1092.7	1111.7	1187.9	1264.1	1187.9	1111.7	1092.7	965.3	795.6	710.7	662.5
132.5°	1049.4	1066.4	1134.6	1202.8	1134.6	1066.4	1049.4	935.4	783.4	707.4	663.1
135°	988.1	1002.9	1061.6	1120.4	1061.6	1002.9	988.1	892.7	765.5	701.8	662.5
137.5°	942.8	954.8	1003.1	1051.2	1003.1	954.8	942.8	862.2	754.5	700.8	666.6
140°	906.6	917.9	962.9	1007.9	962.9	917.9	906.6	837.0	744.0	697.5	667.3
142.5°	881.2	890.8	929.6	968.3	929.6	890.8	881.2	819.9	738.4	697.5	669.7
145°	843.1	850.4	879.7	909.0	879.7	850.4	843.1	792.9	726.2	692.8	669.7
147.5°	811.0	817.1	841.3	865.6	841.3	817.1	811.0	771.6	719.1	692.8	674.2
150°	792.7	797.6	817.3	837.0	817.3	797.6	792.7	759.4	715.0	692.8	676.7
152.5°	778.0	781.7	796.6	811.5	796.6	781.7	778.0	749.6	711.7	692.8	678.2
155°	760.6	763.1	772.9	782.7	772.9	763.1	760.6	738.0	707.9	692.8	681.7
157.5°	745.5	747.3	754.2	761.1	754.2	747.3	745.5	728.0	704.5	692.8	685.1
160°	738.0	739.0	743.0	747.0	743.0	739.0	738.0	722.9	702.8	692.8	686.7
162.5°	731.0	731.9	735.7	739.4	735.7	731.9	731.0	718.2	701.2	692.8	688.4
165°	720.1	721.1	725.1	729.1	725.1	721.1	720.1	711.0	698.9	692.8	690.8
167.5°	715.4	715.9	717.5	719.2	717.5	715.9	715.4	709.4	701.5	697.5	695.9
170°	715.4	715.4	715.4	715.4	715.4	715.4	715.4	709.4	701.5	697.5	697.4
172.5°	711.6	711.2	709.8	708.3	709.8	711.2	711.6	706.9	700.6	697.5	697.5
175°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	703.4	699.5	697.5	698.4
177.5°	705.5	705.1	703.4	701.8	703.4	705.1	705.5	703.1	700.0	698.4	699.1
180°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	644.8	644.8	644.8	644.8	644.8
2.5°	636.9	639.9	641.7	644.2	650.3
5°	612.5	624.1	627.7	636.9	647.8
7.5°	558.8	594.2	603.9	625.9	643.0
10°	506.9	542.3	559.4	611.3	636.9
12.5°	480.7	501.5	513.0	585.6	628.4
15°	464.3	478.9	487.5	551.5	618.6
17.5°	451.5	461.8	467.9	517.9	605.2
20°	443.5	448.4	453.9	493.6	589.9
22.5°	438.0	435.0	439.3	476.5	569.2
25°	434.4	422.8	427.6	463.0	544.8
27.5°	437.4	411.8	413.6	450.8	519.1
30°	438.0	398.3	399.0	438.0	490.5
32.5°	433.7	384.3	385.0	422.2	458.2
35°	423.3	367.9	367.2	403.9	414.2
37.5°	409.3	350.2	350.2	383.7	366.0
40°	392.2	332.5	334.3	357.5	323.3
42.5°	371.5	313.6	316.0	322.7	291.6
45°	348.9	295.3	297.1	272.7	267.2
47.5°	323.9	276.3	277.0	226.3	259.2
50°	294.1	256.8	254.4	194.0	258.7
52.5°	267.8	235.5	228.1	175.7	234.9
55°	242.1	212.9	197.0	161.6	217.8
57.5°	219.6	183.7	168.4	145.2	214.1
60°	198.8	154.9	143.4	127.5	196.5
62.5°	181.8	133.6	131.2	115.3	178.1
65°	163.5	119.0	118.3	105.0	151.3
67.5°	145.8	109.2	108.6	95.1	115.3
70°	126.9	98.8	97.6	84.8	85.4
72.5°	107.3	87.2	86.1	76.2	70.8
75°	87.9	73.8	73.2	66.5	57.3
77.5°	69.0	58.6	59.8	53.7	42.1
80°	49.4	42.7	43.9	38.5	31.7
82.5°	32.9	28.1	29.3	24.4	21.4
85°	18.3	15.8	16.5	12.8	9.7
87.5°	8.6	7.3	7.3	4.9	3.1
90°	20.7	13.2	12.3	8.5	4.7
92.5°	127.8	90.9	82.9	50.8	18.8
95°	314.5	177.1	162.5	103.8	45.2
97.5°	423.5	194.5	181.6	129.8	78.1
100°	463.3	209.1	197.4	150.5	103.6
102.5°	481.5	223.7	212.8	169.0	125.3
105°	495.0	245.4	236.1	199.1	162.0
107.5°	497.6	277.4	268.8	234.2	199.7
110°	493.8	295.3	287.4	256.3	225.1



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	493.8	316.9	309.5	279.8	250.1
115°	498.5	349.5	342.7	315.2	287.7
117.5°	507.8	381.0	374.9	349.9	325.0
120°	515.3	399.4	393.6	370.1	346.7
122.5°	526.1	421.1	415.2	391.5	367.9
125°	540.7	448.8	443.4	421.9	400.3
127.5°	555.2	475.6	470.2	448.5	426.7
130°	566.0	493.6	487.7	464.3	440.8
132.5°	574.6	508.2	502.4	478.9	455.5
135°	584.0	525.1	519.8	498.5	477.1
137.5°	598.1	546.8	541.5	520.3	499.2
140°	606.8	561.4	556.5	537.0	517.6
142.5°	614.0	572.3	567.7	549.7	531.7
145°	623.4	588.7	584.8	569.1	553.4
147.5°	637.2	609.5	605.6	590.4	575.1
150°	644.5	620.3	616.8	603.0	589.2
152.5°	649.2	627.4	624.7	614.3	603.8
155°	659.5	642.8	640.9	633.2	625.5
157.5°	669.9	658.4	656.5	649.0	641.5
160°	674.6	665.5	664.0	658.1	652.3
162.5°	679.6	673.0	671.9	667.5	663.1
165°	686.9	683.9	682.9	678.9	674.9
167.5°	692.5	690.0	689.5	687.6	685.8
170°	697.2	697.1	696.6	694.7	692.8
172.5°	697.5	697.5	697.4	697.0	696.6
175°	700.3	701.8	701.8	701.8	701.8
177.5°	700.7	701.8	701.8	701.8	701.8
180°	701.8	701.8	701.8	701.8	701.8



TEST NUMBER: P935434

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-4000K

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	8.35	9.04	9.49	10.16	11.73	11.15	11.84	12.29	12.96	14.53
	3H	8.82	9.43	9.96	10.56	12.15	12.47	13.09	13.61	14.22	15.80
	4H	9.00	9.58	10.15	10.72	12.30	12.90	13.49	14.05	14.62	16.21
	6H	9.11	9.65	10.27	10.78	12.38	13.17	13.71	14.33	14.84	16.44
	8H	9.11	9.62	10.27	10.77	12.36	13.24	13.75	14.40	14.90	16.49
	12H	9.07	9.56	10.24	10.70	12.31	13.26	13.75	14.43	14.89	16.51
4H	2H	9.36	9.94	10.52	11.07	12.66	11.54	12.12	12.70	13.26	14.85
	3H	10.37	10.85	11.53	12.01	13.61	13.02	13.51	14.18	14.67	16.26
	4H	10.64	11.08	11.80	12.23	13.85	13.53	13.98	14.70	15.13	16.75
	6H	10.75	11.13	11.92	12.30	13.91	13.88	14.26	15.05	15.43	17.04
	8H	10.75	11.11	11.92	12.27	13.90	13.98	14.34	15.15	15.50	17.12
	12H	10.71	11.04	11.90	12.21	13.84	14.02	14.35	15.21	15.52	17.15
8H	4H	11.07	11.43	12.24	12.59	14.21	13.65	14.00	14.81	15.16	16.79
	6H	11.32	11.62	12.51	12.82	14.44	14.07	14.36	15.26	15.56	17.19
	8H	11.37	11.62	12.56	12.80	14.45	14.21	14.47	15.41	15.65	17.29
	12H	11.34	11.57	12.54	12.75	14.42	14.30	14.52	15.49	15.70	17.38
12H	4H	11.07	11.39	12.25	12.56	14.19	13.60	13.93	14.79	15.10	16.73
	6H	11.38	11.64	12.58	12.82	14.46	14.06	14.32	15.26	15.50	17.14
	8H	11.44	11.67	12.64	12.84	14.52	14.21	14.44	15.41	15.61	17.29