

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: P935433

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935433
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-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

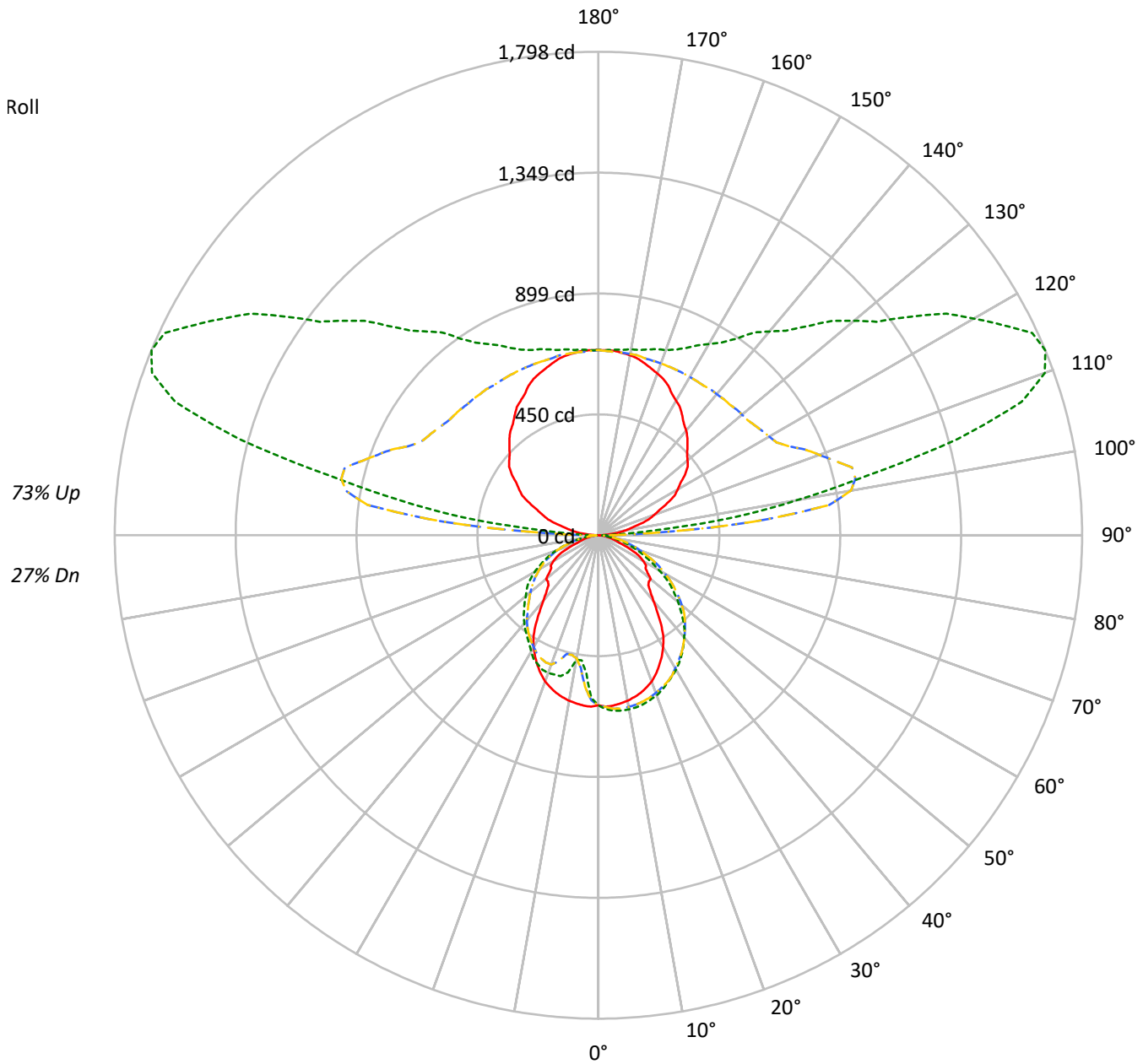
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.3 lumens
Efficiency: N/A
Efficacy: 128.3 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: P935433
CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

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°	5872	5872	5872	5872
5°	5908	5927	5908	4660
10°	5863	5838	5863	4175
15°	5792	5713	5792	4770
20°	5665	5562	5665	4780
25°	5410	5343	5410	4678
30°	5084	5162	5084	4456
35°	4526	4933	4526	4212
40°	3763	4663	3763	4027
45°	3357	4346	3357	3814
50°	3559	3969	3559	3601
55°	3338	3563	3338	3478
60°	3430	3026	3430	3186
65°	3093	2502	3093	2796
70°	2127	1994	2127	2345
75°	1843	1474	1843	1765
80°	1460	975	1460	1059
85°	795	515	795	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5155 cd/sqm



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	0.9
10°-20°	162.2	2.7
20°-30°	250.7	4.1
30°-40°	299.3	4.9
40°-50°	301.0	4.9
50°-60°	261.9	4.3
60°-70°	185.7	3.0
70°-80°	98.3	1.6
80°-90°	27.1	0.4
90°-100°	335.7	5.5
100°-110°	882.5	14.4
110°-120°	915.0	15.0
120°-130°	734.0	12.0
130°-140°	575.9	9.4
140°-150°	442.0	7.2
150°-160°	318.3	5.2
160°-170°	194.8	3.2
170°-180°	65.8	1.1
0°-30°	470.0	7.7
0°-40°	769.3	12.6
0°-60°	1332.2	21.8
0°-90°	1643.3	26.9
90°-120°	2133.2	34.9
90°-150°	3885.1	63.6
90°-180°	4464.0	73.1
0°-180°	6107.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	633	633	633	633	633	
5°	636	656	636	515	636	60
15°	607	650	607	542	607	171
25°	535	606	535	530	535	245
35°	406	541	406	462	406	251
45°	262	445	262	391	262	210
55°	214	329	214	321	214	196
65°	148	198	148	222	148	142
75°	56	94	56	113	56	59
85°	10	24	10	20	10	13
90°	5	18	5	18	5	4
95°	44	203	44	203	44	49
105°	159	1382	159	1382	159	169
115°	282	1779	282	1779	282	279
125°	393	1417	393	1417	393	349
135°	468	1099	468	1099	468	362
145°	543	892	543	892	543	340
155°	614	768	614	768	614	282
165°	662	715	662	715	662	187
175°	689	693	689	693	689	65
180°	689	689	689	689	689	



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
2.5°	638.1	638.1	641.7	643.0	643.0	641.2	639.4	641.2	646.5	648.3	647.7
5°	635.7	640.5	647.1	648.3	649.6	648.9	647.7	648.9	654.9	656.1	656.7
7.5°	631.0	639.9	648.3	650.1	651.9	650.1	649.6	650.7	656.7	657.9	657.9
10°	625.0	637.5	647.1	648.3	650.1	648.3	648.3	650.7	656.7	657.9	658.5
12.5°	616.6	633.9	643.0	644.1	646.5	645.9	645.4	647.7	653.8	654.9	654.9
15°	607.0	627.3	635.7	637.0	641.2	639.9	639.9	642.3	648.9	650.7	650.1
17.5°	593.9	619.0	628.6	630.4	633.4	632.8	633.4	635.7	641.7	643.0	643.6
20°	578.9	607.6	619.0	620.8	623.8	623.8	623.8	626.8	632.8	635.2	635.2
22.5°	558.5	595.6	607.6	608.9	612.4	612.4	613.6	617.8	623.1	623.8	623.8
25°	534.6	582.4	592.6	596.3	599.8	601.6	603.4	605.8	607.6	607.0	607.6
27.5°	509.4	565.7	578.9	581.3	586.1	587.9	590.3	590.8	591.5	593.2	592.1
30°	481.3	542.4	562.1	564.5	572.3	573.5	571.1	572.3	575.3	576.5	577.7
32.5°	449.6	507.6	544.8	550.1	557.4	553.8	553.2	554.9	559.8	559.8	560.9
35°	406.5	480.7	528.6	533.4	538.8	534.6	537.0	537.5	540.6	542.4	541.7
37.5°	359.2	457.4	511.8	515.4	519.6	514.2	517.8	519.6	522.0	520.8	520.8
40°	317.2	420.9	492.1	494.5	498.1	493.9	497.5	498.7	499.9	498.7	498.1
42.5°	286.2	380.7	471.1	474.2	471.7	474.7	475.9	478.4	476.5	474.2	474.2
45°	262.2	370.0	448.4	451.9	448.4	453.2	455.0	455.0	449.6	448.4	447.7
47.5°	254.4	348.4	425.6	425.6	423.8	429.8	432.8	428.6	423.3	421.4	421.4
50°	253.9	324.5	394.5	392.1	400.5	407.7	404.7	400.5	396.3	389.7	389.7
52.5°	230.5	295.1	354.4	363.4	376.5	380.7	376.0	371.8	364.5	361.6	359.2
55°	213.7	264.6	317.9	335.8	349.6	355.0	346.0	341.8	331.1	329.3	328.0
57.5°	210.1	220.3	284.4	307.1	323.8	323.3	317.9	310.1	301.1	299.3	298.8
60°	192.8	159.2	248.4	275.4	292.7	290.9	286.2	278.9	270.6	269.4	268.2
62.5°	174.8	115.5	207.7	238.2	262.8	262.2	258.1	247.3	241.3	238.2	235.8
65°	148.4	96.9	147.9	198.2	233.5	234.7	225.7	217.9	211.3	207.7	207.1
67.5°	113.2	79.0	100.0	165.2	205.3	204.1	192.8	189.1	180.8	179.0	175.4
70°	83.8	52.7	69.4	134.1	177.8	174.8	165.8	161.7	153.9	149.7	147.3
72.5°	69.4	42.5	50.9	104.2	149.7	146.0	138.3	133.5	126.9	123.4	121.0
75°	56.2	44.9	38.9	77.2	121.5	119.2	111.9	107.1	101.8	96.9	97.6
77.5°	41.3	41.9	31.2	56.9	96.4	92.8	88.6	82.7	80.2	75.4	75.4
80°	31.2	32.9	23.4	38.9	69.4	69.4	65.9	61.7	57.5	55.1	55.1
82.5°	21.0	21.0	17.3	24.5	47.3	45.5	43.1	41.9	39.5	38.3	38.3
85°	9.6	12.0	10.8	15.0	25.7	27.0	27.0	25.7	25.2	23.9	24.5
87.5°	3.0	5.4	6.6	8.4	13.2	13.7	14.4	14.4	14.4	15.0	15.0
90°	4.6	8.3	12.1	12.9	20.4	30.2	35.1	31.2	23.4	17.6	17.6
92.5°	18.5	49.9	81.3	89.2	125.4	173.7	197.8	173.3	124.5	87.8	84.4
95°	44.4	101.8	159.4	173.8	308.6	488.3	578.1	515.9	391.5	298.1	287.5
97.5°	76.7	127.4	178.2	190.8	415.6	715.3	865.1	825.8	747.1	688.1	668.0
100°	101.7	147.7	193.7	205.2	454.6	787.1	953.4	956.3	962.1	966.4	942.3
102.5°	122.9	165.8	208.8	219.5	472.5	809.8	978.4	1028.6	1128.8	1204.0	1183.4
105°	159.0	195.4	231.7	240.8	485.8	812.4	975.6	1088.0	1312.7	1481.2	1470.1
107.5°	195.9	229.8	263.8	272.2	488.3	776.2	920.2	1076.9	1390.3	1625.4	1628.0
110°	220.9	251.5	282.1	289.7	484.5	744.2	874.0	1049.2	1399.6	1662.4	1673.9



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	245.4	274.6	303.7	311.0	484.6	716.1	831.9	1011.2	1369.9	1638.9	1656.5
115°	282.3	309.3	336.2	342.9	489.2	684.0	781.5	954.2	1299.7	1558.9	1583.3
117.5°	318.9	343.4	367.8	373.9	498.3	664.0	746.9	902.7	1214.5	1448.4	1475.5
120°	340.2	363.2	386.2	391.9	505.7	657.2	733.0	875.5	1160.3	1374.0	1400.4
122.5°	361.0	384.2	407.4	413.2	516.3	653.7	722.4	850.7	1107.2	1299.6	1325.6
125°	392.8	414.0	435.2	440.4	530.6	650.7	710.8	819.8	1037.7	1201.1	1225.1
127.5°	418.7	440.1	461.4	466.8	544.9	649.0	701.1	794.6	981.8	1122.1	1142.4
130°	432.6	455.6	478.6	484.3	555.4	650.1	697.4	780.7	947.2	1072.2	1090.9
132.5°	446.9	470.0	493.0	498.7	563.9	650.7	694.2	768.7	917.9	1029.7	1046.4
135°	468.2	489.2	510.0	515.3	573.1	650.1	688.7	751.1	876.0	969.7	984.1
137.5°	489.9	510.6	531.4	536.6	586.9	654.1	687.7	740.4	846.0	925.2	937.0
140°	507.9	527.0	546.1	550.9	595.5	654.8	684.5	730.1	821.3	889.7	900.7
142.5°	521.7	539.4	557.1	561.5	602.5	657.1	684.5	724.5	804.6	864.7	874.1
145°	543.1	558.4	573.9	577.7	611.7	657.1	679.8	712.6	778.1	827.3	834.5
147.5°	564.3	579.3	594.3	598.1	625.3	661.6	679.8	705.6	757.2	795.9	801.8
150°	578.1	591.7	605.3	608.7	632.4	664.0	679.8	701.6	745.2	777.8	782.6
152.5°	592.5	602.8	613.1	615.6	637.1	665.5	679.8	698.4	735.6	763.5	767.1
155°	613.8	621.4	628.9	630.8	647.1	668.9	679.8	694.6	724.2	746.4	748.8
157.5°	629.5	636.9	644.2	646.1	657.3	672.3	679.8	691.3	714.4	731.6	733.3
160°	640.1	645.8	651.6	653.0	662.0	673.8	679.8	689.6	709.4	724.2	725.2
162.5°	650.7	655.0	659.4	660.4	666.9	675.5	679.8	688.1	704.8	717.3	718.2
165°	662.2	666.2	670.1	671.1	674.0	677.9	679.8	685.8	697.7	706.6	707.6
167.5°	672.9	674.7	676.6	677.1	679.6	682.9	684.5	688.4	696.2	702.0	702.5
170°	679.8	681.7	683.6	684.0	684.2	684.4	684.5	688.4	696.2	702.0	702.0
172.5°	683.6	683.9	684.4	684.5	684.5	684.5	684.5	687.5	693.7	698.3	697.9
175°	688.7	688.7	688.7	688.7	687.2	685.4	684.5	686.4	690.3	693.2	693.2
177.5°	688.7	688.7	688.7	688.7	687.6	686.1	685.4	686.9	690.0	692.3	691.9
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
2.5°	648.9	647.1	648.9	647.7	648.3	646.5	641.2	639.4	641.2	643.0	643.0
5°	656.7	655.5	656.7	656.7	656.1	654.9	648.9	647.7	648.9	649.6	648.3
7.5°	659.1	657.3	659.1	657.9	657.9	656.7	650.7	649.6	650.1	651.9	650.1
10°	659.1	657.3	659.1	658.5	657.9	656.7	650.7	648.3	648.3	650.1	648.3
12.5°	656.1	654.9	656.1	654.9	654.9	653.8	647.7	645.4	645.9	646.5	644.1
15°	651.3	649.6	651.3	650.1	650.7	648.9	642.3	639.9	639.9	641.2	637.0
17.5°	644.1	641.7	644.1	643.6	643.0	641.7	635.7	633.4	632.8	633.4	630.4
20°	635.7	633.9	635.7	635.2	635.2	632.8	626.8	623.8	623.8	623.8	620.8
22.5°	622.6	620.8	622.6	623.8	623.8	623.1	617.8	613.6	612.4	612.4	608.9
25°	607.6	605.8	607.6	607.6	607.0	607.6	605.8	603.4	601.6	599.8	596.3
27.5°	593.2	592.1	593.2	592.1	593.2	591.5	590.8	590.3	587.9	586.1	581.3
30°	578.9	577.7	578.9	577.7	576.5	575.3	572.3	571.1	573.5	572.3	564.5
32.5°	560.9	559.8	560.9	560.9	559.8	559.8	554.9	553.2	553.8	557.4	550.1
35°	542.4	540.6	542.4	541.7	542.4	540.6	537.5	537.0	534.6	538.8	533.4
37.5°	520.8	519.1	520.8	520.8	520.8	522.0	519.6	517.8	514.2	519.6	515.4
40°	498.7	496.3	498.7	498.1	498.7	499.9	498.7	497.5	493.9	498.1	494.5
42.5°	473.5	472.9	473.5	474.2	474.2	476.5	478.4	475.9	474.7	471.7	474.2
45°	446.6	445.4	446.6	447.7	448.4	449.6	455.0	455.0	453.2	448.4	451.9
47.5°	417.8	414.9	417.8	421.4	421.4	423.3	428.6	432.8	429.8	423.8	425.6
50°	387.3	387.9	387.3	389.7	389.7	396.3	400.5	404.7	407.7	400.5	392.1
52.5°	357.4	356.8	357.4	359.2	361.6	364.5	371.8	376.0	380.7	376.5	363.4
55°	327.4	328.7	327.4	328.0	329.3	331.1	341.8	346.0	355.0	349.6	335.8
57.5°	297.5	295.7	297.5	298.8	299.3	301.1	310.1	317.9	323.3	323.8	307.1
60°	262.8	260.4	262.8	268.2	269.4	270.6	278.9	286.2	290.9	292.7	275.4
62.5°	232.3	228.1	232.3	235.8	238.2	241.3	247.3	258.1	262.2	262.8	238.2
65°	199.9	198.2	199.9	207.1	207.7	211.3	217.9	225.7	234.7	233.5	198.2
67.5°	170.6	170.6	170.6	175.4	179.0	180.8	189.1	192.8	204.1	205.3	165.2
70°	143.7	143.1	143.7	147.3	149.7	153.9	161.7	165.8	174.8	177.8	134.1
72.5°	117.9	117.3	117.9	121.0	123.4	126.9	133.5	138.3	146.0	149.7	104.2
75°	95.2	94.0	95.2	97.6	96.9	101.8	107.1	111.9	119.2	121.5	77.2
77.5°	73.0	73.0	73.0	75.4	75.4	80.2	82.7	88.6	92.8	96.4	56.9
80°	54.4	53.9	54.4	55.1	55.1	57.5	61.7	65.9	69.4	69.4	38.9
82.5°	38.3	37.1	38.3	38.3	38.3	39.5	41.9	43.1	45.5	47.3	24.5
85°	23.9	23.9	23.9	24.5	23.9	25.2	25.7	27.0	27.0	25.7	15.0
87.5°	15.5	15.0	15.5	15.0	15.0	14.4	14.4	14.4	13.7	13.2	8.4
90°	17.6	17.6	17.6	17.6	17.6	23.4	31.2	35.1	30.2	20.4	12.9
92.5°	70.3	56.4	70.3	84.4	87.8	124.5	173.3	197.8	173.7	125.4	89.2
95°	245.2	202.9	245.2	287.5	298.1	391.5	515.9	578.1	488.3	308.6	173.8
97.5°	587.5	507.0	587.5	668.0	688.1	747.1	825.8	865.1	715.3	415.6	190.8
100°	846.5	750.5	846.5	942.3	966.4	962.1	956.3	953.4	787.1	454.6	205.2
102.5°	1101.2	1019.1	1101.2	1183.4	1204.0	1128.8	1028.6	978.4	809.8	472.5	219.5
105°	1426.0	1381.9	1426.0	1470.1	1481.2	1312.7	1088.0	975.6	812.4	485.8	240.8
107.5°	1638.8	1649.5	1638.8	1628.0	1625.4	1390.3	1076.9	920.2	776.2	488.3	272.2
110°	1719.9	1765.9	1719.9	1673.9	1662.4	1399.6	1049.2	874.0	744.2	484.5	289.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1727.1	1797.8	1727.1	1656.5	1638.9	1369.9	1011.2	831.9	716.1	484.6	311.0
115°	1681.3	1779.3	1681.3	1583.3	1558.9	1299.7	954.2	781.5	684.0	489.2	342.9
117.5°	1584.2	1692.9	1584.2	1475.5	1448.4	1214.5	902.7	746.9	664.0	498.3	373.9
120°	1505.9	1611.5	1505.9	1400.4	1374.0	1160.3	875.5	733.0	657.2	505.7	391.9
122.5°	1429.7	1533.9	1429.7	1325.6	1299.6	1107.2	850.7	722.4	653.7	516.3	413.2
125°	1321.0	1416.9	1321.0	1225.1	1201.1	1037.7	819.8	710.8	650.7	530.6	440.4
127.5°	1223.2	1304.2	1223.2	1142.4	1122.1	981.8	794.6	701.1	649.0	544.9	466.8
130°	1165.7	1240.5	1165.7	1090.9	1072.2	947.2	780.7	697.4	650.1	555.4	484.3
132.5°	1113.4	1180.3	1113.4	1046.4	1029.7	917.9	768.7	694.2	650.7	563.9	498.7
135°	1041.8	1099.4	1041.8	984.1	969.7	876.0	751.1	688.7	650.1	573.1	515.3
137.5°	984.3	1031.5	984.3	937.0	925.2	846.0	740.4	687.7	654.1	586.9	536.6
140°	944.8	989.0	944.8	900.7	889.7	821.3	730.1	684.5	654.8	595.5	550.9
142.5°	912.2	950.2	912.2	874.1	864.7	804.6	724.5	684.5	657.1	602.5	561.5
145°	863.3	892.0	863.3	834.5	827.3	778.1	712.6	679.8	657.1	611.7	577.7
147.5°	825.6	849.4	825.6	801.8	795.9	757.2	705.6	679.8	661.6	625.3	598.1
150°	802.0	821.3	802.0	782.6	777.8	745.2	701.6	679.8	664.0	632.4	608.7
152.5°	781.7	796.3	781.7	767.1	763.5	735.6	698.4	679.8	665.5	637.1	615.6
155°	758.5	768.1	758.5	748.8	746.4	724.2	694.6	679.8	668.9	647.1	630.8
157.5°	740.1	746.9	740.1	733.3	731.6	714.4	691.3	679.8	672.3	657.3	646.1
160°	729.1	733.0	729.1	725.2	724.2	709.4	689.6	679.8	673.8	662.0	653.0
162.5°	722.0	725.6	722.0	718.2	717.3	704.8	688.1	679.8	675.5	666.9	660.4
165°	711.5	715.4	711.5	707.6	706.6	697.7	685.8	679.8	677.9	674.0	671.1
167.5°	704.1	705.7	704.1	702.5	702.0	696.2	688.4	684.5	682.9	679.6	677.1
170°	702.0	702.0	702.0	702.0	702.0	696.2	688.4	684.5	684.4	684.2	684.0
172.5°	696.5	695.1	696.5	697.9	698.3	693.7	687.5	684.5	684.5	684.5	684.5
175°	693.2	693.2	693.2	693.2	693.2	690.3	686.4	684.5	685.4	687.2	688.7
177.5°	690.3	688.7	690.3	691.9	692.3	690.0	686.9	685.4	686.1	687.6	688.7
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
2.5°	641.7	638.1	638.1	632.2	629.7	628.0	625.0	616.0	613.6	611.2	614.8
5°	647.1	640.5	635.7	625.0	616.0	612.4	601.0	579.5	565.1	554.3	548.3
7.5°	648.3	639.9	631.0	614.2	592.6	583.1	548.3	508.9	498.1	488.5	482.5
10°	647.1	637.5	625.0	599.8	549.0	532.2	497.5	471.7	465.1	463.4	465.1
12.5°	643.0	633.9	616.6	574.7	503.4	492.1	471.7	456.8	455.6	458.5	474.7
15°	635.7	627.3	607.0	541.2	478.4	470.0	455.6	450.1	456.8	477.7	526.2
17.5°	628.6	619.0	593.9	508.3	459.2	453.2	443.0	453.8	490.9	519.1	535.2
20°	619.0	607.6	578.9	484.3	445.4	440.0	435.2	483.7	511.8	522.0	531.0
22.5°	607.6	595.6	558.5	467.6	431.0	426.9	429.8	500.5	511.8	519.1	526.8
25°	592.6	582.4	534.6	454.3	419.6	414.9	426.2	498.7	505.2	507.0	522.6
27.5°	578.9	565.7	509.4	442.4	405.9	404.1	429.3	490.9	495.7	497.5	514.2
30°	562.1	542.4	481.3	429.8	391.5	390.9	429.8	481.3	480.1	484.9	501.7
32.5°	544.8	507.6	449.6	414.3	377.8	377.1	425.6	466.9	465.8	472.3	484.9
35°	528.6	480.7	406.5	396.3	360.4	361.0	415.4	450.1	450.8	456.8	464.5
37.5°	511.8	457.4	359.2	376.5	343.7	343.7	401.7	434.6	433.5	435.2	446.0
40°	492.1	420.9	317.2	350.8	328.0	326.3	384.9	417.8	413.6	413.1	428.0
42.5°	471.1	380.7	286.2	316.7	310.1	307.7	364.5	397.5	389.7	391.5	410.7
45°	448.4	370.0	262.2	267.6	291.5	289.7	342.4	374.2	368.7	373.6	393.3
47.5°	425.6	348.4	254.4	222.1	271.8	271.2	317.9	351.4	348.4	353.2	374.2
50°	394.5	324.5	253.9	190.4	249.7	252.0	288.6	329.3	329.3	333.5	355.6
52.5°	354.4	295.1	230.5	172.4	223.9	231.1	262.8	310.1	311.3	315.5	335.3
55°	317.9	264.6	213.7	158.6	193.3	209.0	237.6	290.4	292.7	296.9	314.9
57.5°	284.4	220.3	210.1	142.5	165.2	180.2	215.5	271.2	272.3	276.0	293.3
60°	248.4	159.2	192.8	125.1	140.7	152.0	195.1	248.4	252.6	255.0	270.0
62.5°	207.7	115.5	174.8	113.2	128.7	131.1	178.4	226.9	232.3	234.0	243.1
65°	147.9	96.9	148.4	103.0	116.1	116.8	160.4	204.8	209.5	212.5	219.1
67.5°	100.0	79.0	113.2	93.4	106.6	107.1	143.1	179.0	185.6	188.0	192.2
70°	69.4	52.7	83.8	83.2	95.8	96.9	124.5	155.7	161.7	163.4	165.8
72.5°	50.9	42.5	69.4	74.8	84.4	85.6	105.3	129.3	135.3	137.1	138.3
75°	38.9	44.9	56.2	65.3	71.9	72.4	86.2	105.3	109.5	110.8	111.3
77.5°	31.2	41.9	41.3	52.7	58.6	57.5	67.7	81.4	85.0	85.0	85.0
80°	23.4	32.9	31.2	37.8	43.1	41.9	48.5	58.1	59.3	60.4	59.9
82.5°	17.3	21.0	21.0	23.9	28.7	27.6	32.3	37.8	37.8	37.8	38.9
85°	10.8	12.0	9.6	12.6	16.2	15.5	17.9	20.4	21.0	21.0	19.7
87.5°	6.6	5.4	3.0	4.8	7.1	7.1	8.4	9.0	8.4	8.4	8.4
90°	12.1	8.3	4.6	8.3	12.1	12.9	20.4	30.2	35.1	31.2	23.4
92.5°	81.3	49.9	18.5	49.9	81.3	89.2	125.4	173.7	197.8	173.3	124.5
95°	159.4	101.8	44.4	101.8	159.4	173.8	308.6	488.3	578.1	515.9	391.5
97.5°	178.2	127.4	76.7	127.4	178.2	190.8	415.6	715.3	865.1	825.8	747.1
100°	193.7	147.7	101.7	147.7	193.7	205.2	454.6	787.1	953.4	956.3	962.1
102.5°	208.8	165.8	122.9	165.8	208.8	219.5	472.5	809.8	978.4	1028.6	1128.8
105°	231.7	195.4	159.0	195.4	231.7	240.8	485.8	812.4	975.6	1088.0	1312.7
107.5°	263.8	229.8	195.9	229.8	263.8	272.2	488.3	776.2	920.2	1076.9	1390.3
110°	282.1	251.5	220.9	251.5	282.1	289.7	484.5	744.2	874.0	1049.2	1399.6



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	303.7	274.6	245.4	274.6	303.7	311.0	484.6	716.1	831.9	1011.2	1369.9
115°	336.2	309.3	282.3	309.3	336.2	342.9	489.2	684.0	781.5	954.2	1299.7
117.5°	367.8	343.4	318.9	343.4	367.8	373.9	498.3	664.0	746.9	902.7	1214.5
120°	386.2	363.2	340.2	363.2	386.2	391.9	505.7	657.2	733.0	875.5	1160.3
122.5°	407.4	384.2	361.0	384.2	407.4	413.2	516.3	653.7	722.4	850.7	1107.2
125°	435.2	414.0	392.8	414.0	435.2	440.4	530.6	650.7	710.8	819.8	1037.7
127.5°	461.4	440.1	418.7	440.1	461.4	466.8	544.9	649.0	701.1	794.6	981.8
130°	478.6	455.6	432.6	455.6	478.6	484.3	555.4	650.1	697.4	780.7	947.2
132.5°	493.0	470.0	446.9	470.0	493.0	498.7	563.9	650.7	694.2	768.7	917.9
135°	510.0	489.2	468.2	489.2	510.0	515.3	573.1	650.1	688.7	751.1	876.0
137.5°	531.4	510.6	489.9	510.6	531.4	536.6	586.9	654.1	687.7	740.4	846.0
140°	546.1	527.0	507.9	527.0	546.1	550.9	595.5	654.8	684.5	730.1	821.3
142.5°	557.1	539.4	521.7	539.4	557.1	561.5	602.5	657.1	684.5	724.5	804.6
145°	573.9	558.4	543.1	558.4	573.9	577.7	611.7	657.1	679.8	712.6	778.1
147.5°	594.3	579.3	564.3	579.3	594.3	598.1	625.3	661.6	679.8	705.6	757.2
150°	605.3	591.7	578.1	591.7	605.3	608.7	632.4	664.0	679.8	701.6	745.2
152.5°	613.1	602.8	592.5	602.8	613.1	615.6	637.1	665.5	679.8	698.4	735.6
155°	628.9	621.4	613.8	621.4	628.9	630.8	647.1	668.9	679.8	694.6	724.2
157.5°	644.2	636.9	629.5	636.9	644.2	646.1	657.3	672.3	679.8	691.3	714.4
160°	651.6	645.8	640.1	645.8	651.6	653.0	662.0	673.8	679.8	689.6	709.4
162.5°	659.4	655.0	650.7	655.0	659.4	660.4	666.9	675.5	679.8	688.1	704.8
165°	670.1	666.2	662.2	666.2	670.1	671.1	674.0	677.9	679.8	685.8	697.7
167.5°	676.6	674.7	672.9	674.7	676.6	677.1	679.6	682.9	684.5	688.4	696.2
170°	683.6	681.7	679.8	681.7	683.6	684.0	684.2	684.4	684.5	688.4	696.2
172.5°	684.4	683.9	683.6	683.9	684.4	684.5	684.5	684.5	684.5	687.5	693.7
175°	688.7	688.7	688.7	688.7	688.7	688.7	687.2	685.4	684.5	686.4	690.3
177.5°	688.7	688.7	688.7	688.7	688.7	688.7	687.6	686.1	685.4	686.9	690.0
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
2.5°	610.6	608.9	611.2	604.7	611.2	608.9	610.6	614.8	611.2	613.6	616.0
5°	535.8	532.8	523.3	515.4	523.3	532.8	535.8	548.3	554.3	565.1	579.5
7.5°	478.9	476.5	474.2	469.3	474.2	476.5	478.9	482.5	488.5	498.1	508.9
10°	466.3	466.9	470.5	470.0	470.5	466.9	466.3	465.1	463.4	465.1	471.7
12.5°	498.7	504.1	523.8	522.6	523.8	504.1	498.7	474.7	458.5	455.6	456.8
15°	535.8	537.5	541.7	542.4	541.7	537.5	535.8	526.2	477.7	456.8	450.1
17.5°	539.4	539.9	543.0	543.0	543.0	539.9	539.4	535.2	519.1	490.9	453.8
20°	536.4	537.5	543.6	544.8	543.6	537.5	536.4	531.0	522.0	511.8	483.7
22.5°	535.2	537.5	542.4	541.7	542.4	537.5	535.2	526.8	519.1	511.8	500.5
25°	529.2	529.2	529.8	530.4	529.8	529.2	529.2	522.6	507.0	505.2	498.7
27.5°	516.6	517.8	521.4	520.8	521.4	517.8	516.6	514.2	497.5	495.7	490.9
30°	505.2	504.1	501.0	498.7	501.0	504.1	505.2	501.7	484.9	480.1	481.3
32.5°	486.1	483.1	480.1	478.4	480.1	483.1	486.1	484.9	472.3	465.8	466.9
35°	463.4	464.0	463.4	461.6	463.4	464.0	463.4	464.5	456.8	450.8	450.1
37.5°	447.2	448.4	447.7	445.4	447.7	448.4	447.2	446.0	435.2	433.5	434.6
40°	430.4	431.0	430.4	428.6	430.4	431.0	430.4	428.0	413.1	413.6	417.8
42.5°	414.3	413.6	411.9	410.7	411.9	413.6	414.3	410.7	391.5	389.7	397.5
45°	395.7	396.3	392.7	390.9	392.7	396.3	395.7	393.3	373.6	368.7	374.2
47.5°	377.1	377.1	374.2	372.3	374.2	377.1	377.1	374.2	353.2	348.4	351.4
50°	357.4	356.8	352.6	352.0	352.6	356.8	357.4	355.6	333.5	329.3	329.3
52.5°	334.6	334.6	335.3	336.4	335.3	334.6	334.6	335.3	315.5	311.3	310.1
55°	314.9	315.5	319.6	320.9	319.6	315.5	314.9	314.9	296.9	292.7	290.4
57.5°	294.6	294.6	297.5	297.5	297.5	294.6	294.6	293.3	276.0	272.3	271.2
60°	271.2	272.3	274.7	274.2	274.7	272.3	271.2	270.0	255.0	252.6	248.4
62.5°	246.6	247.9	248.4	247.3	248.4	247.9	246.6	243.1	234.0	232.3	226.9
65°	220.9	222.1	222.7	221.5	222.7	222.1	220.9	219.1	212.5	209.5	204.8
67.5°	194.6	194.0	193.3	195.8	193.3	194.0	194.6	192.2	188.0	185.6	179.0
70°	167.6	167.6	167.0	168.3	167.0	167.6	167.6	165.8	163.4	161.7	155.7
72.5°	138.9	138.3	140.7	138.9	140.7	138.3	138.9	138.3	137.1	135.3	129.3
75°	110.8	111.9	110.8	112.6	110.8	111.9	110.8	111.3	110.8	109.5	105.3
77.5°	84.4	85.6	84.4	84.4	84.4	85.6	84.4	85.0	85.0	85.0	81.4
80°	59.9	59.3	59.3	58.6	59.3	59.3	59.9	59.9	60.4	59.3	58.1
82.5°	38.3	37.8	37.8	38.9	37.8	37.8	38.3	38.9	37.8	37.8	37.8
85°	21.0	21.5	20.4	20.4	20.4	21.5	21.0	19.7	21.0	21.0	20.4
87.5°	7.8	7.1	7.1	7.1	7.1	7.1	7.8	8.4	8.4	8.4	9.0
90°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	23.4	31.2	35.1	30.2
92.5°	87.8	84.4	70.3	56.4	70.3	84.4	87.8	124.5	173.3	197.8	173.7
95°	298.1	287.5	245.2	202.9	245.2	287.5	298.1	391.5	515.9	578.1	488.3
97.5°	688.1	668.0	587.5	507.0	587.5	668.0	688.1	747.1	825.8	865.1	715.3
100°	966.4	942.3	846.5	750.5	846.5	942.3	966.4	962.1	956.3	953.4	787.1
102.5°	1204.0	1183.4	1101.2	1019.1	1101.2	1183.4	1204.0	1128.8	1028.6	978.4	809.8
105°	1481.2	1470.1	1426.0	1381.9	1426.0	1470.1	1481.2	1312.7	1088.0	975.6	812.4
107.5°	1625.4	1628.0	1638.8	1649.5	1638.8	1628.0	1625.4	1390.3	1076.9	920.2	776.2
110°	1662.4	1673.9	1719.9	1765.9	1719.9	1673.9	1662.4	1399.6	1049.2	874.0	744.2



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1638.9	1656.5	1727.1	1797.8	1727.1	1656.5	1638.9	1369.9	1011.2	831.9	716.1
115°	1558.9	1583.3	1681.3	1779.3	1681.3	1583.3	1558.9	1299.7	954.2	781.5	684.0
117.5°	1448.4	1475.5	1584.2	1692.9	1584.2	1475.5	1448.4	1214.5	902.7	746.9	664.0
120°	1374.0	1400.4	1505.9	1611.5	1505.9	1400.4	1374.0	1160.3	875.5	733.0	657.2
122.5°	1299.6	1325.6	1429.7	1533.9	1429.7	1325.6	1299.6	1107.2	850.7	722.4	653.7
125°	1201.1	1225.1	1321.0	1416.9	1321.0	1225.1	1201.1	1037.7	819.8	710.8	650.7
127.5°	1122.1	1142.4	1223.2	1304.2	1223.2	1142.4	1122.1	981.8	794.6	701.1	649.0
130°	1072.2	1090.9	1165.7	1240.5	1165.7	1090.9	1072.2	947.2	780.7	697.4	650.1
132.5°	1029.7	1046.4	1113.4	1180.3	1113.4	1046.4	1029.7	917.9	768.7	694.2	650.7
135°	969.7	984.1	1041.8	1099.4	1041.8	984.1	969.7	876.0	751.1	688.7	650.1
137.5°	925.2	937.0	984.3	1031.5	984.3	937.0	925.2	846.0	740.4	687.7	654.1
140°	889.7	900.7	944.8	989.0	944.8	900.7	889.7	821.3	730.1	684.5	654.8
142.5°	864.7	874.1	912.2	950.2	912.2	874.1	864.7	804.6	724.5	684.5	657.1
145°	827.3	834.5	863.3	892.0	863.3	834.5	827.3	778.1	712.6	679.8	657.1
147.5°	795.9	801.8	825.6	849.4	825.6	801.8	795.9	757.2	705.6	679.8	661.6
150°	777.8	782.6	802.0	821.3	802.0	782.6	777.8	745.2	701.6	679.8	664.0
152.5°	763.5	767.1	781.7	796.3	781.7	767.1	763.5	735.6	698.4	679.8	665.5
155°	746.4	748.8	758.5	768.1	758.5	748.8	746.4	724.2	694.6	679.8	668.9
157.5°	731.6	733.3	740.1	746.9	740.1	733.3	731.6	714.4	691.3	679.8	672.3
160°	724.2	725.2	729.1	733.0	729.1	725.2	724.2	709.4	689.6	679.8	673.8
162.5°	717.3	718.2	722.0	725.6	722.0	718.2	717.3	704.8	688.1	679.8	675.5
165°	706.6	707.6	711.5	715.4	711.5	707.6	706.6	697.7	685.8	679.8	677.9
167.5°	702.0	702.5	704.1	705.7	704.1	702.5	702.0	696.2	688.4	684.5	682.9
170°	702.0	702.0	702.0	702.0	702.0	702.0	702.0	696.2	688.4	684.5	684.4
172.5°	698.3	697.9	696.5	695.1	696.5	697.9	698.3	693.7	687.5	684.5	684.5
175°	693.2	693.2	693.2	693.2	693.2	693.2	693.2	690.3	686.4	684.5	685.4
177.5°	692.3	691.9	690.3	688.7	690.3	691.9	692.3	690.0	686.9	685.4	686.1
180°	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	632.8	632.8	632.8	632.8	632.8
2.5°	625.0	628.0	629.7	632.2	638.1
5°	601.0	612.4	616.0	625.0	635.7
7.5°	548.3	583.1	592.6	614.2	631.0
10°	497.5	532.2	549.0	599.8	625.0
12.5°	471.7	492.1	503.4	574.7	616.6
15°	455.6	470.0	478.4	541.2	607.0
17.5°	443.0	453.2	459.2	508.3	593.9
20°	435.2	440.0	445.4	484.3	578.9
22.5°	429.8	426.9	431.0	467.6	558.5
25°	426.2	414.9	419.6	454.3	534.6
27.5°	429.3	404.1	405.9	442.4	509.4
30°	429.8	390.9	391.5	429.8	481.3
32.5°	425.6	377.1	377.8	414.3	449.6
35°	415.4	361.0	360.4	396.3	406.5
37.5°	401.7	343.7	343.7	376.5	359.2
40°	384.9	326.3	328.0	350.8	317.2
42.5°	364.5	307.7	310.1	316.7	286.2
45°	342.4	289.7	291.5	267.6	262.2
47.5°	317.9	271.2	271.8	222.1	254.4
50°	288.6	252.0	249.7	190.4	253.9
52.5°	262.8	231.1	223.9	172.4	230.5
55°	237.6	209.0	193.3	158.6	213.7
57.5°	215.5	180.2	165.2	142.5	210.1
60°	195.1	152.0	140.7	125.1	192.8
62.5°	178.4	131.1	128.7	113.2	174.8
65°	160.4	116.8	116.1	103.0	148.4
67.5°	143.1	107.1	106.6	93.4	113.2
70°	124.5	96.9	95.8	83.2	83.8
72.5°	105.3	85.6	84.4	74.8	69.4
75°	86.2	72.4	71.9	65.3	56.2
77.5°	67.7	57.5	58.6	52.7	41.3
80°	48.5	41.9	43.1	37.8	31.2
82.5°	32.3	27.6	28.7	23.9	21.0
85°	17.9	15.5	16.2	12.6	9.6
87.5°	8.4	7.1	7.1	4.8	3.0
90°	20.4	12.9	12.1	8.3	4.6
92.5°	125.4	89.2	81.3	49.9	18.5
95°	308.6	173.8	159.4	101.8	44.4
97.5°	415.6	190.8	178.2	127.4	76.7
100°	454.6	205.2	193.7	147.7	101.7
102.5°	472.5	219.5	208.8	165.8	122.9
105°	485.8	240.8	231.7	195.4	159.0
107.5°	488.3	272.2	263.8	229.8	195.9
110°	484.5	289.7	282.1	251.5	220.9



TEST NUMBER: P935433
 CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	484.6	311.0	303.7	274.6	245.4
115°	489.2	342.9	336.2	309.3	282.3
117.5°	498.3	373.9	367.8	343.4	318.9
120°	505.7	391.9	386.2	363.2	340.2
122.5°	516.3	413.2	407.4	384.2	361.0
125°	530.6	440.4	435.2	414.0	392.8
127.5°	544.9	466.8	461.4	440.1	418.7
130°	555.4	484.3	478.6	455.6	432.6
132.5°	563.9	498.7	493.0	470.0	446.9
135°	573.1	515.3	510.0	489.2	468.2
137.5°	586.9	536.6	531.4	510.6	489.9
140°	595.5	550.9	546.1	527.0	507.9
142.5°	602.5	561.5	557.1	539.4	521.7
145°	611.7	577.7	573.9	558.4	543.1
147.5°	625.3	598.1	594.3	579.3	564.3
150°	632.4	608.7	605.3	591.7	578.1
152.5°	637.1	615.6	613.1	602.8	592.5
155°	647.1	630.8	628.9	621.4	613.8
157.5°	657.3	646.1	644.2	636.9	629.5
160°	662.0	653.0	651.6	645.8	640.1
162.5°	666.9	660.4	659.4	655.0	650.7
165°	674.0	671.1	670.1	666.2	662.2
167.5°	679.6	677.1	676.6	674.7	672.9
170°	684.2	684.0	683.6	681.7	679.8
172.5°	684.5	684.5	684.4	683.9	683.6
175°	687.2	688.7	688.7	688.7	688.7
177.5°	687.6	688.7	688.7	688.7	688.7
180°	688.7	688.7	688.7	688.7	688.7



TEST NUMBER: P935433

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3500K

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	8.29	8.97	9.42	10.10	11.67	11.09	11.77	12.22	12.90	14.46
	3H	8.75	9.37	9.89	10.50	12.08	12.41	13.02	13.55	14.16	15.74
	4H	8.93	9.52	10.09	10.65	12.24	12.84	13.42	13.99	14.55	16.14
	6H	9.04	9.58	10.20	10.72	12.32	13.10	13.64	14.26	14.78	16.38
	8H	9.04	9.55	10.20	10.70	12.29	13.17	13.68	14.33	14.83	16.42
	12H	9.01	9.49	10.17	10.63	12.25	13.20	13.68	14.36	14.83	16.44
4H	2H	9.29	9.87	10.45	11.01	12.60	11.48	12.06	12.63	13.19	14.78
	3H	10.30	10.79	11.46	11.95	13.55	12.95	13.44	14.12	14.60	16.20
	4H	10.57	11.02	11.74	12.16	13.78	13.47	13.92	14.63	15.06	16.68
	6H	10.69	11.07	11.86	12.24	13.85	13.81	14.20	14.99	15.37	16.98
	8H	10.69	11.04	11.86	12.21	13.83	13.91	14.27	15.08	15.43	17.06
	12H	10.65	10.97	11.83	12.14	13.77	13.96	14.28	15.14	15.45	17.08
8H	4H	11.00	11.36	12.17	12.52	14.15	13.58	13.94	14.75	15.10	16.72
	6H	11.26	11.55	12.45	12.76	14.38	14.00	14.29	15.19	15.50	17.12
	8H	11.30	11.56	12.49	12.74	14.38	14.15	14.40	15.34	15.58	17.23
	12H	11.28	11.50	12.47	12.68	14.36	14.23	14.45	15.43	15.63	17.31
12H	4H	11.00	11.32	12.19	12.50	14.13	13.54	13.86	14.72	15.03	16.66
	6H	11.32	11.57	12.51	12.75	14.40	14.00	14.25	15.19	15.43	17.08
	8H	11.37	11.60	12.57	12.78	14.45	14.14	14.37	15.34	15.55	17.22