

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: P935134

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

**Test Information**

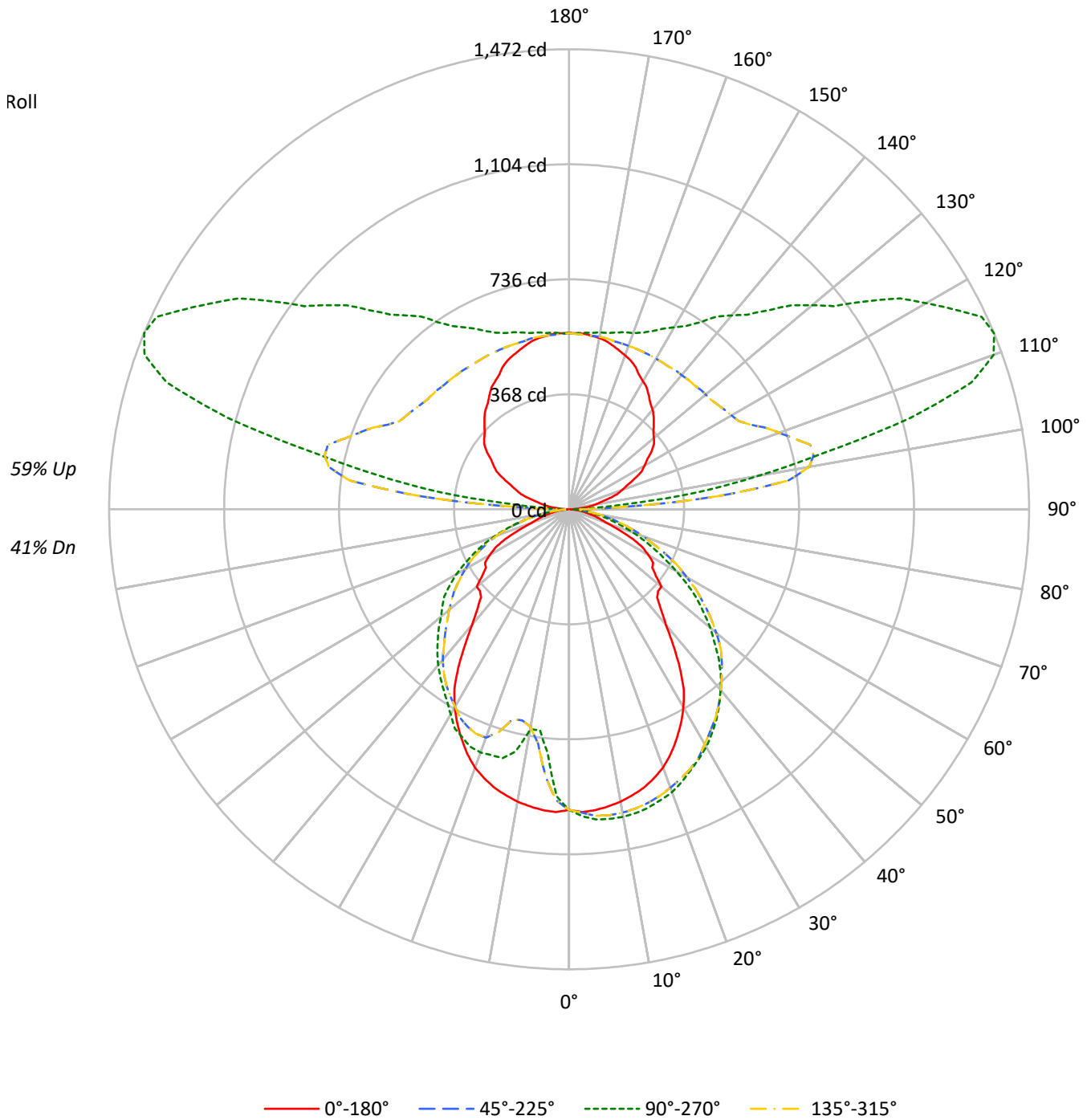
Test Method: LM-79-2019  
Report Number: P935134  
REPORT IS A COMBINATION OF REPORTS P933742 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6150.0 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 49.2  
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: P935134  
CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P935134

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8923	8923	8923	8923
5°	8979	9008	8979	7083
10°	8910	8873	8910	6344
15°	8803	8681	8803	7248
20°	8608	8452	8608	7264
25°	8222	8120	8222	7109
30°	7725	7845	7725	6772
35°	6877	7496	6877	6400
40°	5721	7086	5721	6120
45°	5102	6605	5102	5797
50°	5408	6031	5408	5474
55°	5073	5414	5073	5287
60°	5210	4599	5210	4842
65°	4701	3801	4701	4250
70°	3232	3029	3232	3561
75°	2804	2239	2804	2681
80°	2214	1481	2214	1611
85°	1209	784	1209	666

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7834 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.8	1.4
10°-20°	246.5	4.0
20°-30°	381.0	6.2
30°-40°	454.8	7.4
40°-50°	457.5	7.4
50°-60°	398.1	6.5
60°-70°	282.2	4.6
70°-80°	149.3	2.4
80°-90°	39.3	0.6
90°-100°	274.8	4.5
100°-110°	722.5	11.7
110°-120°	749.1	12.2
120°-130°	600.9	9.8
130°-140°	471.5	7.7
140°-150°	361.9	5.9
150°-160°	260.6	4.2
160°-170°	159.5	2.6
170°-180°	53.9	0.9
0°-30°	714.2	11.6
0°-40°	1169.0	19.0
0°-60°	2024.6	32.9
0°-90°	2495.4	40.6
90°-120°	1746.4	28.4
90°-150°	3180.6	51.7
90°-180°	3655.0	59.4
0°-180°	6150.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	962	962	962	962	962	
5°	966	996	966	783	966	92
15°	922	987	922	824	922	260
25°	812	921	812	806	812	373
35°	618	822	618	701	618	382
45°	398	677	398	594	398	319
55°	325	500	325	488	325	298
65°	226	301	226	337	226	216
75°	86	143	86	171	86	90
85°	15	36	15	31	15	20
90°	4	14	4	14	4	4
95°	36	166	36	166	36	40
105°	130	1131	130	1131	130	138
115°	231	1457	231	1457	231	228
125°	322	1160	322	1160	322	286
135°	383	900	383	900	383	297
145°	444	730	444	730	444	279
155°	502	629	502	629	502	231
165°	542	586	542	586	542	153
175°	564	568	564	568	564	54
180°	564	564	564	564	564	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	969.8	969.8	975.3	977.1	977.1	974.4	971.7	974.4	982.6	985.3	984.4
5°	966.1	973.5	983.5	985.3	987.1	986.2	984.4	986.2	995.3	997.1	998.1
7.5°	958.8	972.6	985.3	988.0	990.8	988.0	987.1	989.0	998.1	999.9	999.9
10°	949.8	968.9	983.5	985.3	988.0	985.3	985.3	989.0	998.1	999.9	1000.8
12.5°	937.0	963.4	977.1	979.0	982.6	981.7	980.8	984.4	993.5	995.3	995.3
15°	922.5	953.4	966.1	967.9	974.4	972.6	972.6	976.2	986.2	989.0	988.0
17.5°	902.5	940.7	955.2	957.9	962.5	961.6	962.5	966.1	975.3	977.1	978.0
20°	879.7	923.4	940.7	943.4	947.9	947.9	947.9	952.5	961.6	965.2	965.2
22.5°	848.8	905.2	923.4	925.2	930.6	930.6	932.5	938.8	947.0	947.9	947.9
25°	812.4	885.2	900.6	906.1	911.5	914.3	917.0	920.6	923.4	922.5	923.4
27.5°	774.2	859.7	879.7	883.3	890.6	893.4	897.0	897.9	898.8	901.5	899.7
30°	731.4	824.2	854.2	857.9	869.7	871.5	867.9	869.7	874.3	876.1	877.9
32.5°	683.2	771.5	827.9	836.0	847.0	841.5	840.6	843.3	850.6	850.6	852.4
35°	617.7	730.5	803.3	810.6	818.8	812.4	816.0	816.9	821.5	824.2	823.3
37.5°	545.9	695.1	777.8	783.3	789.7	781.5	786.9	789.7	793.3	791.5	791.5
40°	482.2	639.6	747.8	751.5	756.9	750.5	756.0	757.8	759.6	757.8	756.9
42.5°	434.9	578.6	716.0	720.5	716.9	721.4	723.3	726.9	724.2	720.5	720.5
45°	398.5	562.2	681.4	686.9	681.4	688.7	691.4	691.4	683.2	681.4	680.5
47.5°	386.7	529.5	646.8	646.8	644.1	653.2	657.8	651.4	643.2	640.5	640.5
50°	385.8	493.1	599.5	595.9	608.6	619.6	615.0	608.6	602.3	592.3	592.3
52.5°	350.3	448.5	538.6	552.2	572.3	578.6	571.3	565.0	554.1	549.5	545.9
55°	324.8	402.2	483.1	510.4	531.3	539.5	525.9	519.5	503.1	500.4	498.6
57.5°	319.3	334.8	432.2	466.7	492.2	491.3	483.1	471.3	457.6	454.9	454.0
60°	292.9	242.0	377.6	418.5	444.9	442.2	434.9	424.0	411.2	409.4	407.6
62.5°	265.6	175.6	315.6	362.1	399.4	398.5	392.1	375.8	366.7	362.1	358.5
65°	225.6	147.4	224.7	301.1	354.8	356.7	343.0	331.2	321.1	315.6	314.7
67.5°	171.9	120.1	151.9	251.1	312.0	310.2	292.9	287.4	274.7	272.0	266.5
70°	127.3	80.0	105.5	203.8	270.2	265.6	252.0	245.6	233.8	227.4	223.8
72.5°	105.5	64.6	77.3	158.3	227.4	222.0	210.1	202.8	192.8	187.4	183.7
75°	85.5	68.2	59.1	117.3	184.7	181.0	170.1	162.8	154.6	147.4	148.3
77.5°	62.8	63.7	47.3	86.4	146.5	141.0	134.6	125.5	121.9	114.6	114.6
80°	47.3	50.0	35.5	59.1	105.5	105.5	100.1	93.7	87.3	83.7	83.7
82.5°	31.8	31.8	26.4	37.3	71.9	69.1	65.5	63.7	60.0	58.2	58.2
85°	14.6	18.2	16.4	22.7	39.1	40.9	40.9	39.1	38.2	36.4	37.3
87.5°	4.5	8.2	10.0	12.7	20.0	20.9	21.8	21.8	21.8	22.7	22.7
90°	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.6	19.2	14.4	14.4
92.5°	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9	71.9	69.0
95°	36.3	83.4	130.5	142.3	252.6	399.7	473.3	422.3	320.5	244.1	235.4
97.5°	62.8	104.3	145.9	156.3	340.3	585.6	708.2	676.0	611.6	563.3	546.9
100°	83.2	120.9	158.5	168.0	372.2	644.5	780.6	782.9	787.6	791.1	771.5
102.5°	100.6	135.8	170.9	179.7	386.9	662.9	801.0	842.1	924.1	985.6	968.8
105°	130.2	159.9	189.7	197.1	397.7	665.0	798.8	890.7	1074.6	1212.6	1203.6
107.5°	160.5	188.2	215.9	222.9	399.7	635.4	753.3	881.6	1138.2	1330.7	1332.9
110°	180.8	205.9	231.0	237.2	396.6	609.2	715.4	858.9	1145.8	1360.9	1370.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	200.9	224.8	248.6	254.6	396.8	586.3	681.0	827.9	1121.4	1341.6	1356.1
115°	231.1	253.2	275.2	280.7	400.4	560.1	639.8	781.3	1064.1	1276.2	1296.2
117.5°	261.1	281.1	301.1	306.1	407.9	543.6	611.5	739.1	994.3	1185.8	1208.0
120°	278.4	297.3	316.1	320.8	413.9	538.1	600.1	716.7	949.9	1124.9	1146.5
122.5°	295.5	314.6	333.6	338.3	422.6	535.1	591.4	696.3	906.4	1063.9	1085.2
125°	321.6	338.9	356.2	360.6	434.4	532.7	581.9	671.1	849.5	983.3	1003.0
127.5°	342.8	360.2	377.8	382.1	446.1	531.3	574.0	650.6	803.8	918.6	935.2
130°	354.1	373.0	391.8	396.5	454.6	532.2	571.0	639.2	775.6	877.8	893.1
132.5°	365.9	384.7	403.5	408.2	461.5	532.7	568.3	629.3	751.4	843.0	856.7
135°	383.3	400.4	417.6	421.9	469.2	532.2	563.8	614.9	717.1	793.7	805.6
137.5°	401.1	418.1	435.0	439.3	480.5	535.5	563.0	606.2	692.6	757.5	767.1
140°	415.8	431.4	447.1	451.0	487.5	536.0	560.3	597.6	672.3	728.3	737.4
142.5°	427.2	441.6	456.1	459.7	493.3	538.0	560.3	593.1	658.7	707.9	715.7
145°	444.5	457.2	469.7	472.9	500.8	538.1	556.6	583.4	637.0	677.2	683.1
147.5°	462.0	474.3	486.5	489.6	511.9	541.7	556.6	577.7	619.9	651.6	656.5
150°	473.3	484.4	495.5	498.3	517.8	543.7	556.6	574.4	610.0	636.7	640.7
152.5°	485.0	493.4	501.8	503.9	521.5	544.9	556.6	571.8	602.2	625.0	628.0
155°	502.5	508.7	514.9	516.5	529.9	547.7	556.6	568.7	592.9	611.0	613.0
157.5°	515.3	521.4	527.4	529.0	538.1	550.4	556.6	566.0	584.8	598.9	600.3
160°	524.0	528.8	533.4	534.6	542.0	551.7	556.6	564.7	580.8	592.9	593.7
162.5°	532.7	536.2	539.8	540.7	546.0	553.1	556.6	563.4	577.0	587.2	587.9
165°	542.1	545.3	548.5	549.3	551.8	555.0	556.6	561.5	571.3	578.5	579.3
167.5°	550.9	552.4	554.0	554.3	556.3	559.0	560.3	563.5	569.9	574.7	575.1
170°	556.6	558.1	559.6	560.0	560.1	560.2	560.3	563.5	569.9	574.7	574.7
172.5°	559.6	560.0	560.2	560.3	560.3	560.3	560.3	562.9	567.9	571.7	571.4
175°	563.8	563.8	563.8	563.8	562.6	561.1	560.3	562.0	565.2	567.5	567.5
177.5°	563.8	563.8	563.8	563.8	562.9	561.7	561.1	562.3	564.9	566.8	566.4
180°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	986.2	983.5	986.2	984.4	985.3	982.6	974.4	971.7	974.4	977.1	977.1
5°	998.1	996.2	998.1	998.1	997.1	995.3	986.2	984.4	986.2	987.1	985.3
7.5°	1001.7	999.0	1001.7	999.9	999.9	998.1	989.0	987.1	988.0	990.8	988.0
10°	1001.7	999.0	1001.7	1000.8	999.9	998.1	989.0	985.3	985.3	988.0	985.3
12.5°	997.1	995.3	997.1	995.3	995.3	993.5	984.4	980.8	981.7	982.6	979.0
15°	989.9	987.1	989.9	988.0	989.0	986.2	976.2	972.6	972.6	974.4	967.9
17.5°	979.0	975.3	979.0	978.0	977.1	975.3	966.1	962.5	961.6	962.5	957.9
20°	966.1	963.4	966.1	965.2	965.2	961.6	952.5	947.9	947.9	947.9	943.4
22.5°	946.1	943.4	946.1	947.9	947.9	947.0	938.8	932.5	930.6	930.6	925.2
25°	923.4	920.6	923.4	923.4	922.5	923.4	920.6	917.0	914.3	911.5	906.1
27.5°	901.5	899.7	901.5	899.7	901.5	898.8	897.9	897.0	893.4	890.6	883.3
30°	879.7	877.9	879.7	877.9	876.1	874.3	869.7	867.9	871.5	869.7	857.9
32.5°	852.4	850.6	852.4	852.4	850.6	850.6	843.3	840.6	841.5	847.0	836.0
35°	824.2	821.5	824.2	823.3	824.2	821.5	816.9	816.0	812.4	818.8	810.6
37.5°	791.5	788.7	791.5	791.5	791.5	793.3	789.7	786.9	781.5	789.7	783.3
40°	757.8	754.2	757.8	756.9	757.8	759.6	757.8	756.0	750.5	756.9	751.5
42.5°	719.6	718.7	719.6	720.5	720.5	724.2	726.9	723.3	721.4	716.9	720.5
45°	678.7	676.9	678.7	680.5	681.4	683.2	691.4	691.4	688.7	681.4	686.9
47.5°	635.0	630.5	635.0	640.5	640.5	643.2	651.4	657.8	653.2	644.1	646.8
50°	588.6	589.5	588.6	592.3	592.3	602.3	608.6	615.0	619.6	608.6	595.9
52.5°	543.1	542.2	543.1	545.9	549.5	554.1	565.0	571.3	578.6	572.3	552.2
55°	497.7	499.5	497.7	498.6	500.4	503.1	519.5	525.9	539.5	531.3	510.4
57.5°	452.2	449.5	452.2	454.0	454.9	457.6	471.3	483.1	491.3	492.2	466.7
60°	399.4	395.8	399.4	407.6	409.4	411.2	424.0	434.9	442.2	444.9	418.5
62.5°	353.0	346.7	353.0	358.5	362.1	366.7	375.8	392.1	398.5	399.4	362.1
65°	303.8	301.1	303.8	314.7	315.6	321.1	331.2	343.0	356.7	354.8	301.1
67.5°	259.2	259.2	259.2	266.5	272.0	274.7	287.4	292.9	310.2	312.0	251.1
70°	218.3	217.4	218.3	223.8	227.4	233.8	245.6	252.0	265.6	270.2	203.8
72.5°	179.2	178.3	179.2	183.7	187.4	192.8	202.8	210.1	222.0	227.4	158.3
75°	144.6	142.8	144.6	148.3	147.4	154.6	162.8	170.1	181.0	184.7	117.3
77.5°	111.0	111.0	111.0	114.6	114.6	121.9	125.5	134.6	141.0	146.5	86.4
80°	82.8	81.9	82.8	83.7	83.7	87.3	93.7	100.1	105.5	105.5	59.1
82.5°	58.2	56.4	58.2	58.2	58.2	60.0	63.7	65.5	69.1	71.9	37.3
85°	36.4	36.4	36.4	37.3	36.4	38.2	39.1	40.9	40.9	39.1	22.7
87.5°	23.7	22.7	23.7	22.7	22.7	21.8	21.8	21.8	20.9	20.0	12.7
90°	14.4	14.4	14.4	14.4	14.4	19.2	25.6	28.7	24.7	16.6	10.6
92.5°	57.6	46.1	57.6	69.0	71.9	101.9	141.9	161.9	142.2	102.7	73.0
95°	200.8	166.1	200.8	235.4	244.1	320.5	422.3	473.3	399.7	252.6	142.3
97.5°	480.9	415.1	480.9	546.9	563.3	611.6	676.0	708.2	585.6	340.3	156.3
100°	693.0	614.5	693.0	771.5	791.1	787.6	782.9	780.6	644.5	372.2	168.0
102.5°	901.5	834.3	901.5	968.8	985.6	924.1	842.1	801.0	662.9	386.9	179.7
105°	1167.4	1131.3	1167.4	1203.6	1212.6	1074.6	890.7	798.8	665.0	397.7	197.1
107.5°	1341.6	1350.4	1341.6	1332.9	1330.7	1138.2	881.6	753.3	635.4	399.7	222.9
110°	1408.0	1445.7	1408.0	1370.4	1360.9	1145.8	858.9	715.4	609.2	396.6	237.2





TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-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°	1413.9	1471.8	1413.9	1356.1	1341.6	1121.4	827.9	681.0	586.3	396.8	254.6
115°	1376.5	1456.7	1376.5	1296.2	1276.2	1064.1	781.3	639.8	560.1	400.4	280.7
117.5°	1297.0	1385.9	1297.0	1208.0	1185.8	994.3	739.1	611.5	543.6	407.9	306.1
120°	1232.9	1319.3	1232.9	1146.5	1124.9	949.9	716.7	600.1	538.1	413.9	320.8
122.5°	1170.5	1255.8	1170.5	1085.2	1063.9	906.4	696.3	591.4	535.1	422.6	338.3
125°	1081.5	1160.1	1081.5	1003.0	983.3	849.5	671.1	581.9	532.7	434.4	360.6
127.5°	1001.5	1067.7	1001.5	935.2	918.6	803.8	650.6	574.0	531.3	446.1	382.1
130°	954.3	1015.5	954.3	893.1	877.8	775.6	639.2	571.0	532.2	454.6	396.5
132.5°	911.5	966.3	911.5	856.7	843.0	751.4	629.3	568.3	532.7	461.5	408.2
135°	852.8	900.1	852.8	805.6	793.7	717.1	614.9	563.8	532.2	469.2	421.9
137.5°	805.8	844.5	805.8	767.1	757.5	692.6	606.2	563.0	535.5	480.5	439.3
140°	773.6	809.7	773.6	737.4	728.3	672.3	597.6	560.3	536.0	487.5	451.0
142.5°	746.8	777.9	746.8	715.7	707.9	658.7	593.1	560.3	538.0	493.3	459.7
145°	706.7	730.3	706.7	683.1	677.2	637.0	583.4	556.6	538.1	500.8	472.9
147.5°	676.0	695.4	676.0	656.5	651.6	619.9	577.7	556.6	541.7	511.9	489.6
150°	656.5	672.3	656.5	640.7	636.7	610.0	574.4	556.6	543.7	517.8	498.3
152.5°	639.9	651.9	639.9	628.0	625.0	602.2	571.8	556.6	544.9	521.5	503.9
155°	620.9	628.8	620.9	613.0	611.0	592.9	568.7	556.6	547.7	529.9	516.5
157.5°	605.9	611.5	605.9	600.3	598.9	584.8	566.0	556.6	550.4	538.1	529.0
160°	596.9	600.1	596.9	593.7	592.9	580.8	564.7	556.6	551.7	542.0	534.6
162.5°	591.0	594.0	591.0	587.9	587.2	577.0	563.4	556.6	553.1	546.0	540.7
165°	582.5	585.7	582.5	579.3	578.5	571.3	561.5	556.6	555.0	551.8	549.3
167.5°	576.3	577.7	576.3	575.1	574.7	569.9	563.5	560.3	559.0	556.3	554.3
170°	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2	560.1	560.0
172.5°	570.3	569.1	570.3	571.4	571.7	567.9	562.9	560.3	560.3	560.3	560.3
175°	567.5	567.5	567.5	567.5	567.5	565.2	562.0	560.3	561.1	562.6	563.8
177.5°	565.2	563.8	565.2	566.4	566.8	564.9	562.3	561.1	561.7	562.9	563.8
180°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	975.3	969.8	969.8	960.7	957.0	954.3	949.8	936.1	932.5	928.8	934.3
5°	983.5	973.5	966.1	949.8	936.1	930.6	913.4	880.6	858.8	842.4	833.3
7.5°	985.3	972.6	958.8	933.4	900.6	886.1	833.3	773.3	756.9	742.4	733.3
10°	983.5	968.9	949.8	911.5	834.2	808.8	756.0	716.9	706.9	704.2	706.9
12.5°	977.1	963.4	937.0	873.3	765.1	747.8	716.9	694.1	692.3	696.9	721.4
15°	966.1	953.4	922.5	822.4	726.9	714.2	692.3	684.1	694.1	726.0	799.7
17.5°	955.2	940.7	902.5	772.4	697.8	688.7	673.2	689.6	746.0	788.7	813.3
20°	940.7	923.4	879.7	736.0	676.9	668.7	661.4	735.1	777.8	793.3	806.9
22.5°	923.4	905.2	848.8	710.5	655.0	648.7	653.2	760.5	777.8	788.7	800.6
25°	900.6	885.2	812.4	690.5	637.7	630.5	647.8	757.8	767.8	770.6	794.2
27.5°	879.7	859.7	774.2	672.3	616.8	614.1	652.3	746.0	753.3	756.0	781.5
30°	854.2	824.2	731.4	653.2	595.0	594.1	653.2	731.4	729.6	736.9	762.4
32.5°	827.9	771.5	683.2	629.6	574.1	573.2	646.8	709.6	707.8	717.8	736.9
35°	803.3	730.5	617.7	602.3	547.7	548.6	631.4	684.1	685.0	694.1	706.0
37.5°	777.8	695.1	545.9	572.3	522.2	522.2	610.5	660.5	658.7	661.4	677.8
40°	747.8	639.6	482.2	533.1	498.6	495.8	585.0	635.0	628.7	627.7	650.5
42.5°	716.0	578.6	434.9	481.3	471.3	467.6	554.1	604.1	592.3	595.0	624.1
45°	681.4	562.2	398.5	406.7	443.1	440.4	520.4	568.6	560.4	567.7	597.7
47.5°	646.8	529.5	386.7	337.6	413.1	412.2	483.1	534.0	529.5	536.8	568.6
50°	599.5	493.1	385.8	289.3	379.4	383.0	438.5	500.4	500.4	506.8	540.4
52.5°	538.6	448.5	350.3	262.0	340.3	351.2	399.4	471.3	473.1	479.5	509.5
55°	483.1	402.2	324.8	241.1	293.8	317.5	361.2	441.3	444.9	451.3	478.6
57.5°	432.2	334.8	319.3	216.5	251.1	273.8	327.6	412.2	414.0	419.4	445.8
60°	377.6	242.0	292.9	190.1	213.8	231.0	296.5	377.6	384.0	387.6	410.3
62.5°	315.6	175.6	265.6	171.9	195.6	199.2	271.1	344.8	353.0	355.8	369.4
65°	224.7	147.4	225.6	156.5	176.5	177.4	243.8	311.1	318.4	322.9	333.0
67.5°	151.9	120.1	171.9	141.9	161.9	162.8	217.4	272.0	282.0	285.6	292.0
70°	105.5	80.0	127.3	126.4	145.5	147.4	189.2	236.5	245.6	248.3	252.0
72.5°	77.3	64.6	105.5	113.7	128.3	130.1	160.1	196.5	205.6	208.3	210.1
75°	59.1	68.2	85.5	99.2	109.2	110.1	131.0	160.1	166.5	168.3	169.2
77.5°	47.3	63.7	62.8	80.0	89.1	87.3	102.8	123.7	129.2	129.2	129.2
80°	35.5	50.0	47.3	57.3	65.5	63.7	73.7	88.2	90.1	91.9	91.0
82.5°	26.4	31.8	31.8	36.4	43.7	41.8	49.1	57.3	57.3	57.3	59.1
85°	16.4	18.2	14.6	19.1	24.6	23.7	27.3	30.9	31.8	31.8	30.0
87.5°	10.0	8.2	4.5	7.3	10.9	10.9	12.7	13.6	12.7	12.7	12.7
90°	9.8	6.8	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.6	19.2
92.5°	66.6	40.8	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9
95°	130.5	83.4	36.3	83.4	130.5	142.3	252.6	399.7	473.3	422.3	320.5
97.5°	145.9	104.3	62.8	104.3	145.9	156.3	340.3	585.6	708.2	676.0	611.6
100°	158.5	120.9	83.2	120.9	158.5	168.0	372.2	644.5	780.6	782.9	787.6
102.5°	170.9	135.8	100.6	135.8	170.9	179.7	386.9	662.9	801.0	842.1	924.1
105°	189.7	159.9	130.2	159.9	189.7	197.1	397.7	665.0	798.8	890.7	1074.6
107.5°	215.9	188.2	160.5	188.2	215.9	222.9	399.7	635.4	753.3	881.6	1138.2
110°	231.0	205.9	180.8	205.9	231.0	237.2	396.6	609.2	715.4	858.9	1145.8



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	248.6	224.8	200.9	224.8	248.6	254.6	396.8	586.3	681.0	827.9	1121.4
115°	275.2	253.2	231.1	253.2	275.2	280.7	400.4	560.1	639.8	781.3	1064.1
117.5°	301.1	281.1	261.1	281.1	301.1	306.1	407.9	543.6	611.5	739.1	994.3
120°	316.1	297.3	278.4	297.3	316.1	320.8	413.9	538.1	600.1	716.7	949.9
122.5°	333.6	314.6	295.5	314.6	333.6	338.3	422.6	535.1	591.4	696.3	906.4
125°	356.2	338.9	321.6	338.9	356.2	360.6	434.4	532.7	581.9	671.1	849.5
127.5°	377.8	360.2	342.8	360.2	377.8	382.1	446.1	531.3	574.0	650.6	803.8
130°	391.8	373.0	354.1	373.0	391.8	396.5	454.6	532.2	571.0	639.2	775.6
132.5°	403.5	384.7	365.9	384.7	403.5	408.2	461.5	532.7	568.3	629.3	751.4
135°	417.6	400.4	383.3	400.4	417.6	421.9	469.2	532.2	563.8	614.9	717.1
137.5°	435.0	418.1	401.1	418.1	435.0	439.3	480.5	535.5	563.0	606.2	692.6
140°	447.1	431.4	415.8	431.4	447.1	451.0	487.5	536.0	560.3	597.6	672.3
142.5°	456.1	441.6	427.2	441.6	456.1	459.7	493.3	538.0	560.3	593.1	658.7
145°	469.7	457.2	444.5	457.2	469.7	472.9	500.8	538.1	556.6	583.4	637.0
147.5°	486.5	474.3	462.0	474.3	486.5	489.6	511.9	541.7	556.6	577.7	619.9
150°	495.5	484.4	473.3	484.4	495.5	498.3	517.8	543.7	556.6	574.4	610.0
152.5°	501.8	493.4	485.0	493.4	501.8	503.9	521.5	544.9	556.6	571.8	602.2
155°	514.9	508.7	502.5	508.7	514.9	516.5	529.9	547.7	556.6	568.7	592.9
157.5°	527.4	521.4	515.3	521.4	527.4	529.0	538.1	550.4	556.6	566.0	584.8
160°	533.4	528.8	524.0	528.8	533.4	534.6	542.0	551.7	556.6	564.7	580.8
162.5°	539.8	536.2	532.7	536.2	539.8	540.7	546.0	553.1	556.6	563.4	577.0
165°	548.5	545.3	542.1	545.3	548.5	549.3	551.8	555.0	556.6	561.5	571.3
167.5°	554.0	552.4	550.9	552.4	554.0	554.3	556.3	559.0	560.3	563.5	569.9
170°	559.6	558.1	556.6	558.1	559.6	560.0	560.1	560.2	560.3	563.5	569.9
172.5°	560.2	560.0	559.6	560.0	560.2	560.3	560.3	560.3	560.3	562.9	567.9
175°	563.8	563.8	563.8	563.8	563.8	563.8	562.6	561.1	560.3	562.0	565.2
177.5°	563.8	563.8	563.8	563.8	563.8	563.8	562.9	561.7	561.1	562.3	564.9
180°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	927.9	925.2	928.8	918.8	928.8	925.2	927.9	934.3	928.8	932.5	936.1
5°	814.2	809.7	795.1	783.3	795.1	809.7	814.2	833.3	842.4	858.8	880.6
7.5°	727.8	724.2	720.5	713.2	720.5	724.2	727.8	733.3	742.4	756.9	773.3
10°	708.7	709.6	715.1	714.2	715.1	709.6	708.7	706.9	704.2	706.9	716.9
12.5°	757.8	766.0	796.0	794.2	796.0	766.0	757.8	721.4	696.9	692.3	694.1
15°	814.2	816.9	823.3	824.2	823.3	816.9	814.2	799.7	726.0	694.1	684.1
17.5°	819.7	820.6	825.1	825.1	825.1	820.6	819.7	813.3	788.7	746.0	689.6
20°	815.1	816.9	826.0	827.9	826.0	816.9	815.1	806.9	793.3	777.8	735.1
22.5°	813.3	816.9	824.2	823.3	824.2	816.9	813.3	800.6	788.7	777.8	760.5
25°	804.2	804.2	805.1	806.0	805.1	804.2	804.2	794.2	770.6	767.8	757.8
27.5°	785.1	786.9	792.4	791.5	792.4	786.9	785.1	781.5	756.0	753.3	746.0
30°	767.8	766.0	761.5	757.8	761.5	766.0	767.8	762.4	736.9	729.6	731.4
32.5°	738.7	734.2	729.6	726.9	729.6	734.2	738.7	736.9	717.8	707.8	709.6
35°	704.2	705.1	704.2	701.4	704.2	705.1	704.2	706.0	694.1	685.0	684.1
37.5°	679.6	681.4	680.5	676.9	680.5	681.4	679.6	677.8	661.4	658.7	660.5
40°	654.1	655.0	654.1	651.4	654.1	655.0	654.1	650.5	627.7	628.7	635.0
42.5°	629.6	628.7	625.9	624.1	625.9	628.7	629.6	624.1	595.0	592.3	604.1
45°	601.4	602.3	596.8	594.1	596.8	602.3	601.4	597.7	567.7	560.4	568.6
47.5°	573.2	573.2	568.6	565.9	568.6	573.2	573.2	568.6	536.8	529.5	534.0
50°	543.1	542.2	535.9	535.0	535.9	542.2	543.1	540.4	506.8	500.4	500.4
52.5°	508.6	508.6	509.5	511.3	509.5	508.6	508.6	509.5	479.5	473.1	471.3
55°	478.6	479.5	485.8	487.7	485.8	479.5	478.6	478.6	451.3	444.9	441.3
57.5°	447.6	447.6	452.2	452.2	452.2	447.6	447.6	445.8	419.4	414.0	412.2
60°	412.2	414.0	417.6	416.7	417.6	414.0	412.2	410.3	387.6	384.0	377.6
62.5°	374.9	376.7	377.6	375.8	377.6	376.7	374.9	369.4	355.8	353.0	344.8
65°	335.7	337.6	338.5	336.7	338.5	337.6	335.7	333.0	322.9	318.4	311.1
67.5°	295.6	294.7	293.8	297.5	293.8	294.7	295.6	292.0	285.6	282.0	272.0
70°	254.7	254.7	253.8	255.6	253.8	254.7	254.7	252.0	248.3	245.6	236.5
72.5°	211.0	210.1	213.8	211.0	213.8	210.1	211.0	210.1	208.3	205.6	196.5
75°	168.3	170.1	168.3	171.0	168.3	170.1	168.3	169.2	168.3	166.5	160.1
77.5°	128.3	130.1	128.3	128.3	128.3	130.1	128.3	129.2	129.2	129.2	123.7
80°	91.0	90.1	90.1	89.1	90.1	90.1	91.0	91.0	91.9	90.1	88.2
82.5°	58.2	57.3	57.3	59.1	57.3	57.3	58.2	59.1	57.3	57.3	57.3
85°	31.8	32.7	30.9	30.9	30.9	32.7	31.8	30.0	31.8	31.8	30.9
87.5°	11.8	10.9	10.9	10.9	10.9	10.9	11.8	12.7	12.7	12.7	13.6
90°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	19.2	25.6	28.7	24.7
92.5°	71.9	69.0	57.6	46.1	57.6	69.0	71.9	101.9	141.9	161.9	142.2
95°	244.1	235.4	200.8	166.1	200.8	235.4	244.1	320.5	422.3	473.3	399.7
97.5°	563.3	546.9	480.9	415.1	480.9	546.9	563.3	611.6	676.0	708.2	585.6
100°	791.1	771.5	693.0	614.5	693.0	771.5	791.1	787.6	782.9	780.6	644.5
102.5°	985.6	968.8	901.5	834.3	901.5	968.8	985.6	924.1	842.1	801.0	662.9
105°	1212.6	1203.6	1167.4	1131.3	1167.4	1203.6	1212.6	1074.6	890.7	798.8	665.0
107.5°	1330.7	1332.9	1341.6	1350.4	1341.6	1332.9	1330.7	1138.2	881.6	753.3	635.4
110°	1360.9	1370.4	1408.0	1445.7	1408.0	1370.4	1360.9	1145.8	858.9	715.4	609.2



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-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°	1341.6	1356.1	1413.9	1471.8	1413.9	1356.1	1341.6	1121.4	827.9	681.0	586.3
115°	1276.2	1296.2	1376.5	1456.7	1376.5	1296.2	1276.2	1064.1	781.3	639.8	560.1
117.5°	1185.8	1208.0	1297.0	1385.9	1297.0	1208.0	1185.8	994.3	739.1	611.5	543.6
120°	1124.9	1146.5	1232.9	1319.3	1232.9	1146.5	1124.9	949.9	716.7	600.1	538.1
122.5°	1063.9	1085.2	1170.5	1255.8	1170.5	1085.2	1063.9	906.4	696.3	591.4	535.1
125°	983.3	1003.0	1081.5	1160.1	1081.5	1003.0	983.3	849.5	671.1	581.9	532.7
127.5°	918.6	935.2	1001.5	1067.7	1001.5	935.2	918.6	803.8	650.6	574.0	531.3
130°	877.8	893.1	954.3	1015.5	954.3	893.1	877.8	775.6	639.2	571.0	532.2
132.5°	843.0	856.7	911.5	966.3	911.5	856.7	843.0	751.4	629.3	568.3	532.7
135°	793.7	805.6	852.8	900.1	852.8	805.6	793.7	717.1	614.9	563.8	532.2
137.5°	757.5	767.1	805.8	844.5	805.8	767.1	757.5	692.6	606.2	563.0	535.5
140°	728.3	737.4	773.6	809.7	773.6	737.4	728.3	672.3	597.6	560.3	536.0
142.5°	707.9	715.7	746.8	777.9	746.8	715.7	707.9	658.7	593.1	560.3	538.0
145°	677.2	683.1	706.7	730.3	706.7	683.1	677.2	637.0	583.4	556.6	538.1
147.5°	651.6	656.5	676.0	695.4	676.0	656.5	651.6	619.9	577.7	556.6	541.7
150°	636.7	640.7	656.5	672.3	656.5	640.7	636.7	610.0	574.4	556.6	543.7
152.5°	625.0	628.0	639.9	651.9	639.9	628.0	625.0	602.2	571.8	556.6	544.9
155°	611.0	613.0	620.9	628.8	620.9	613.0	611.0	592.9	568.7	556.6	547.7
157.5°	598.9	600.3	605.9	611.5	605.9	600.3	598.9	584.8	566.0	556.6	550.4
160°	592.9	593.7	596.9	600.1	596.9	593.7	592.9	580.8	564.7	556.6	551.7
162.5°	587.2	587.9	591.0	594.0	591.0	587.9	587.2	577.0	563.4	556.6	553.1
165°	578.5	579.3	582.5	585.7	582.5	579.3	578.5	571.3	561.5	556.6	555.0
167.5°	574.7	575.1	576.3	577.7	576.3	575.1	574.7	569.9	563.5	560.3	559.0
170°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2
172.5°	571.7	571.4	570.3	569.1	570.3	571.4	571.7	567.9	562.9	560.3	560.3
175°	567.5	567.5	567.5	567.5	567.5	567.5	567.5	565.2	562.0	560.3	561.1
177.5°	566.8	566.4	565.2	563.8	565.2	566.4	566.8	564.9	562.3	561.1	561.7
180°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	961.6	961.6	961.6	961.6	961.6
2.5°	949.8	954.3	957.0	960.7	969.8
5°	913.4	930.6	936.1	949.8	966.1
7.5°	833.3	886.1	900.6	933.4	958.8
10°	756.0	808.8	834.2	911.5	949.8
12.5°	716.9	747.8	765.1	873.3	937.0
15°	692.3	714.2	726.9	822.4	922.5
17.5°	673.2	688.7	697.8	772.4	902.5
20°	661.4	668.7	676.9	736.0	879.7
22.5°	653.2	648.7	655.0	710.5	848.8
25°	647.8	630.5	637.7	690.5	812.4
27.5°	652.3	614.1	616.8	672.3	774.2
30°	653.2	594.1	595.0	653.2	731.4
32.5°	646.8	573.2	574.1	629.6	683.2
35°	631.4	548.6	547.7	602.3	617.7
37.5°	610.5	522.2	522.2	572.3	545.9
40°	585.0	495.8	498.6	533.1	482.2
42.5°	554.1	467.6	471.3	481.3	434.9
45°	520.4	440.4	443.1	406.7	398.5
47.5°	483.1	412.2	413.1	337.6	386.7
50°	438.5	383.0	379.4	289.3	385.8
52.5°	399.4	351.2	340.3	262.0	350.3
55°	361.2	317.5	293.8	241.1	324.8
57.5°	327.6	273.8	251.1	216.5	319.3
60°	296.5	231.0	213.8	190.1	292.9
62.5°	271.1	199.2	195.6	171.9	265.6
65°	243.8	177.4	176.5	156.5	225.6
67.5°	217.4	162.8	161.9	141.9	171.9
70°	189.2	147.4	145.5	126.4	127.3
72.5°	160.1	130.1	128.3	113.7	105.5
75°	131.0	110.1	109.2	99.2	85.5
77.5°	102.8	87.3	89.1	80.0	62.8
80°	73.7	63.7	65.5	57.3	47.3
82.5°	49.1	41.8	43.7	36.4	31.8
85°	27.3	23.7	24.6	19.1	14.6
87.5°	12.7	10.9	10.9	7.3	4.5
90°	16.6	10.6	9.8	6.8	3.8
92.5°	102.7	73.0	66.6	40.8	15.1
95°	252.6	142.3	130.5	83.4	36.3
97.5°	340.3	156.3	145.9	104.3	62.8
100°	372.2	168.0	158.5	120.9	83.2
102.5°	386.9	179.7	170.9	135.8	100.6
105°	397.7	197.1	189.7	159.9	130.2
107.5°	399.7	222.9	215.9	188.2	160.5
110°	396.6	237.2	231.0	205.9	180.8



TEST NUMBER: P935134

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	396.8	254.6	248.6	224.8	200.9
115°	400.4	280.7	275.2	253.2	231.1
117.5°	407.9	306.1	301.1	281.1	261.1
120°	413.9	320.8	316.1	297.3	278.4
122.5°	422.6	338.3	333.6	314.6	295.5
125°	434.4	360.6	356.2	338.9	321.6
127.5°	446.1	382.1	377.8	360.2	342.8
130°	454.6	396.5	391.8	373.0	354.1
132.5°	461.5	408.2	403.5	384.7	365.9
135°	469.2	421.9	417.6	400.4	383.3
137.5°	480.5	439.3	435.0	418.1	401.1
140°	487.5	451.0	447.1	431.4	415.8
142.5°	493.3	459.7	456.1	441.6	427.2
145°	500.8	472.9	469.7	457.2	444.5
147.5°	511.9	489.6	486.5	474.3	462.0
150°	517.8	498.3	495.5	484.4	473.3
152.5°	521.5	503.9	501.8	493.4	485.0
155°	529.9	516.5	514.9	508.7	502.5
157.5°	538.1	529.0	527.4	521.4	515.3
160°	542.0	534.6	533.4	528.8	524.0
162.5°	546.0	540.7	539.8	536.2	532.7
165°	551.8	549.3	548.5	545.3	542.1
167.5°	556.3	554.3	554.0	552.4	550.9
170°	560.1	560.0	559.6	558.1	556.6
172.5°	560.3	560.3	560.2	560.0	559.6
175°	562.6	563.8	563.8	563.8	563.8
177.5°	562.9	563.8	563.8	563.8	563.8
180°	563.8	563.8	563.8	563.8	563.8



TEST NUMBER: P935134  
 CATALOG NUMBER: SQ4-FA-100U-075D-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	11.46	12.24	12.49	13.28	14.68	14.26	15.04	15.29	16.08	17.48
	3H	11.93	12.63	12.97	13.68	15.10	15.59	16.29	16.63	17.34	18.75
	4H	12.12	12.78	13.17	13.83	15.26	16.02	16.68	17.08	17.74	19.16
	6H	12.23	12.84	13.30	13.90	15.34	16.29	16.90	17.36	17.96	19.40
	8H	12.23	12.81	13.30	13.89	15.32	16.36	16.94	17.43	18.01	19.45
	12H	12.20	12.75	13.28	13.82	15.28	16.39	16.94	17.47	18.01	19.47
4H	2H	12.47	13.14	13.54	14.19	15.62	14.66	15.32	15.72	16.37	17.80
	3H	13.49	14.05	14.56	15.13	16.57	16.15	16.70	17.22	17.78	19.22
	4H	13.77	14.27	14.84	15.34	16.80	16.66	17.17	17.74	18.24	19.70
	6H	13.89	14.32	14.97	15.42	16.87	17.02	17.45	18.10	18.55	20.00
	8H	13.89	14.30	14.98	15.38	16.85	17.12	17.52	18.20	18.61	20.08
	12H	13.85	14.22	14.96	15.32	16.80	17.16	17.53	18.27	18.63	20.11
8H	4H	14.21	14.61	15.29	15.70	17.17	16.78	17.19	17.87	18.28	19.75
	6H	14.47	14.80	15.57	15.93	17.40	17.21	17.54	18.32	18.67	20.14
	8H	14.51	14.80	15.62	15.91	17.40	17.35	17.65	18.47	18.76	20.25
	12H	14.49	14.75	15.61	15.85	17.38	17.44	17.70	18.56	18.81	20.33
12H	4H	14.21	14.58	15.31	15.68	17.15	16.74	17.11	17.85	18.21	19.69
	6H	14.52	14.82	15.64	15.93	17.42	17.20	17.50	18.32	18.61	20.10
	8H	14.59	14.85	15.71	15.95	17.48	17.36	17.62	18.48	18.72	20.25