

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: P935131

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935131
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-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

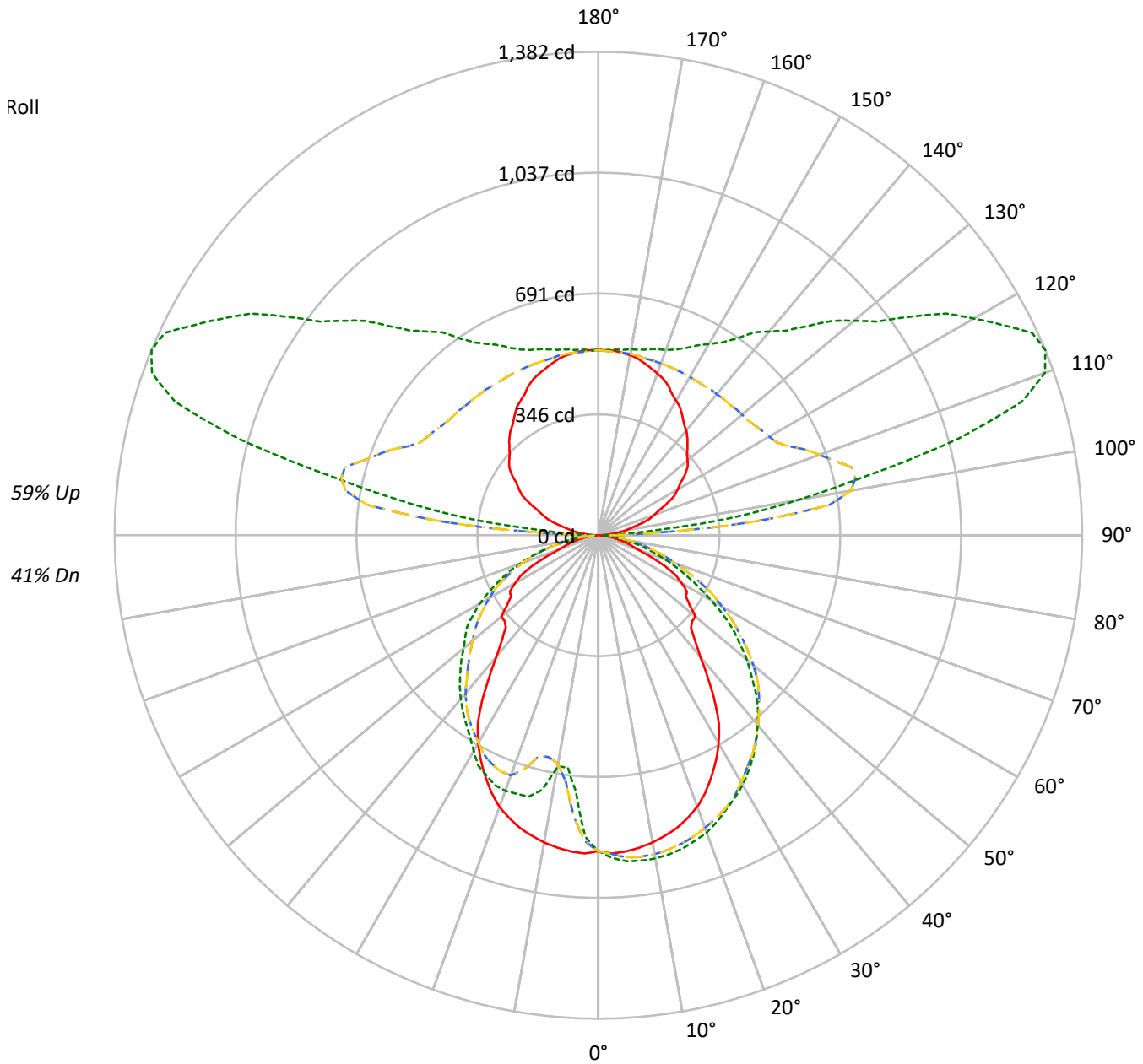
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5774.7 lumens
Efficiency: N/A
Efficacy: 117.4 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 (A_{in}): 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: P935131
CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	8378	8378	8378	8378
5°	8432	8458	8432	6650
10°	8366	8332	8366	5956
15°	8266	8151	8266	6806
20°	8083	7937	8083	6820
25°	7720	7625	7720	6675
30°	7254	7366	7254	6359
35°	6457	7039	6457	6010
40°	5372	6653	5372	5746
45°	4791	6202	4791	5443
50°	5077	5664	5077	5139
55°	4764	5084	4764	4963
60°	4892	4318	4892	4546
65°	4414	3568	4414	3990
70°	3036	2843	3036	3344
75°	2633	2102	2633	2518
80°	2078	1390	2078	1513
85°	1134	737	1134	625

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.4
10°-20°	231.4	4.0
20°-30°	357.7	6.2
30°-40°	427.0	7.4
40°-50°	429.6	7.4
50°-60°	373.8	6.5
60°-70°	265.0	4.6
70°-80°	140.2	2.4
80°-90°	36.9	0.6
90°-100°	258.0	4.5
100°-110°	678.4	11.7
110°-120°	703.4	12.2
120°-130°	564.2	9.8
130°-140°	442.7	7.7
140°-150°	339.8	5.9
150°-160°	244.7	4.2
160°-170°	149.7	2.6
170°-180°	50.6	0.9
0°-30°	670.6	11.6
0°-40°	1097.7	19.0
0°-60°	1901.0	32.9
0°-90°	2343.1	40.6
90°-120°	1639.8	28.4
90°-150°	2986.5	51.7
90°-180°	3432.0	59.4
0°-180°	5774.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	903	903	903	903	903	
5°	907	935	907	736	907	86
15°	866	927	866	774	866	244
25°	763	864	763	757	763	350
35°	580	771	580	659	580	359
45°	374	636	374	558	374	300
55°	305	469	305	458	305	280
65°	212	283	212	316	212	202
75°	80	134	80	161	80	84
85°	14	34	14	29	14	18
90°	4	14	4	14	4	4
95°	34	156	34	156	34	38
105°	122	1062	122	1062	122	130
115°	217	1368	217	1368	217	214
125°	302	1089	302	1089	302	268
135°	360	845	360	845	360	278
145°	417	686	417	686	417	262
155°	472	590	472	590	472	217
165°	509	550	509	550	509	144
175°	529	533	529	533	529	50
180°	529	529	529	529	529	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	910.6	910.6	915.8	917.5	917.5	914.9	912.4	914.9	922.6	925.2	924.3
5°	907.2	914.1	923.5	925.2	926.9	926.0	924.3	926.0	934.6	936.3	937.1
7.5°	900.3	913.2	925.2	927.8	930.3	927.8	926.9	928.6	937.1	938.9	938.9
10°	891.8	909.7	923.5	925.2	927.8	925.2	925.2	928.6	937.1	938.9	939.7
12.5°	879.8	904.6	917.5	919.2	922.6	921.8	920.9	924.3	932.9	934.6	934.6
15°	866.2	895.2	907.2	908.9	914.9	913.2	913.2	916.7	926.0	928.6	927.8
17.5°	847.4	883.3	896.9	899.5	903.8	902.9	903.8	907.2	915.8	917.5	918.4
20°	826.0	867.0	883.3	885.8	890.1	890.1	890.1	894.4	902.9	906.3	906.3
22.5°	797.0	849.9	867.0	868.7	873.9	873.9	875.6	881.5	889.2	890.1	890.1
25°	762.8	831.2	845.7	850.8	855.9	858.5	861.0	864.5	867.0	866.2	867.0
27.5°	726.9	807.2	826.0	829.4	836.3	838.8	842.3	843.1	844.0	846.5	844.8
30°	686.8	773.9	802.1	805.5	816.6	818.3	814.9	816.6	820.9	822.6	824.3
32.5°	641.5	724.4	777.3	785.0	795.3	790.2	789.3	791.9	798.7	798.7	800.4
35°	580.0	686.0	754.3	761.1	768.8	762.8	766.2	767.1	771.4	773.9	773.1
37.5°	512.6	652.6	730.4	735.5	741.5	733.8	738.9	741.5	744.9	743.2	743.2
40°	452.8	600.5	702.2	705.6	710.7	704.7	709.9	711.6	713.3	711.6	710.7
42.5°	408.4	543.3	672.3	676.6	673.1	677.4	679.1	682.5	680.0	676.6	676.6
45°	374.2	527.9	639.8	645.0	639.8	646.7	649.2	649.2	641.5	639.8	639.0
47.5°	363.1	497.2	607.4	607.4	604.8	613.3	617.6	611.6	604.0	601.4	601.4
50°	362.2	463.0	563.0	559.5	571.5	581.7	577.5	571.5	565.5	556.1	556.1
52.5°	328.9	421.2	505.7	518.5	537.3	543.3	536.5	530.5	520.2	516.0	512.6
55°	305.0	377.6	453.6	479.3	498.9	506.6	493.8	487.8	472.4	469.9	468.1
57.5°	299.8	314.4	405.8	438.3	462.2	461.3	453.6	442.5	429.7	427.1	426.3
60°	275.0	227.2	354.5	393.0	417.8	415.2	408.4	398.1	386.2	384.4	382.7
62.5°	249.4	164.8	296.4	340.0	375.0	374.2	368.2	352.8	344.3	340.0	336.6
65°	211.8	138.4	211.0	282.7	333.2	334.9	322.1	311.0	301.5	296.4	295.5
67.5°	161.4	112.7	142.6	235.7	293.0	291.3	275.0	269.9	257.9	255.4	250.3
70°	119.6	75.2	99.1	191.3	253.7	249.4	236.6	230.6	219.5	213.5	210.1
72.5°	99.1	60.6	72.6	148.6	213.5	208.4	197.3	190.5	181.1	176.0	172.5
75°	80.3	64.1	55.5	110.2	173.4	170.0	159.7	152.9	145.2	138.4	139.2
77.5°	58.9	59.8	44.4	81.1	137.5	132.4	126.4	117.9	114.5	107.6	107.6
80°	44.4	47.0	33.3	55.5	99.1	99.1	94.0	88.0	82.0	78.6	78.6
82.5°	29.9	29.9	24.8	35.0	67.5	64.9	61.5	59.8	56.4	54.7	54.7
85°	13.7	17.1	15.4	21.4	36.7	38.4	38.4	36.7	35.9	34.2	35.0
87.5°	4.3	7.7	9.4	12.0	18.8	19.6	20.5	20.5	20.5	21.4	21.4
90°	3.6	6.4	9.2	9.9	15.6	23.2	27.0	24.0	18.0	13.5	13.5
92.5°	14.2	38.4	62.5	68.6	96.4	133.5	152.0	133.2	95.7	67.5	64.8
95°	34.1	78.3	122.6	133.6	237.2	375.3	444.4	396.6	300.9	229.2	221.0
97.5°	58.9	98.0	137.0	146.7	319.5	549.9	665.0	634.8	574.3	529.0	513.5
100°	78.2	113.5	148.9	157.8	349.5	605.1	732.9	735.1	739.5	742.8	724.4
102.5°	94.5	127.5	160.5	168.8	363.3	622.5	752.1	790.7	867.7	925.4	909.6
105°	122.2	150.2	178.1	185.1	373.4	624.5	750.0	836.4	1009.1	1138.6	1130.2
107.5°	150.7	176.7	202.8	209.3	375.3	596.6	707.3	827.8	1068.8	1249.5	1251.6
110°	169.8	193.4	216.9	222.8	372.4	572.0	671.8	806.5	1075.9	1277.9	1286.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	188.7	211.1	233.4	239.1	372.6	550.5	639.5	777.3	1053.0	1259.8	1273.3
115°	217.0	237.7	258.4	263.6	376.0	525.9	600.8	733.6	999.2	1198.3	1217.1
117.5°	245.1	263.9	282.7	287.4	383.0	510.4	574.1	694.0	933.6	1113.4	1134.3
120°	261.4	279.1	296.8	301.3	388.6	505.2	563.5	673.0	892.0	1056.2	1076.5
122.5°	277.5	295.4	313.2	317.7	396.8	502.5	555.3	653.8	851.1	999.0	1019.0
125°	302.0	318.2	334.5	338.6	407.8	500.2	546.4	630.2	797.7	923.3	941.8
127.5°	321.8	338.2	354.7	358.8	418.9	498.9	539.0	610.9	754.7	862.6	878.1
130°	332.5	350.2	367.9	372.3	426.9	499.8	536.1	600.2	728.2	824.2	838.6
132.5°	343.5	361.2	378.9	383.3	433.4	500.2	533.6	590.9	705.5	791.5	804.4
135°	359.9	376.0	392.1	396.1	440.6	499.8	529.4	577.4	673.3	745.3	756.4
137.5°	376.6	392.6	408.4	412.5	451.2	502.8	528.6	569.2	650.3	711.2	720.3
140°	390.4	405.1	419.8	423.5	457.7	503.3	526.1	561.2	631.3	683.9	692.4
142.5°	401.1	414.7	428.3	431.7	463.2	505.1	526.1	556.9	618.5	664.7	672.0
145°	417.4	429.3	441.1	444.1	470.3	505.2	522.6	547.8	598.1	635.9	641.5
147.5°	433.8	445.3	456.8	459.7	480.7	508.6	522.6	542.5	582.1	611.8	616.4
150°	444.4	454.8	465.2	467.9	486.2	510.5	522.6	539.4	572.8	597.9	601.6
152.5°	455.4	463.3	471.2	473.2	489.7	511.6	522.6	536.9	565.4	586.9	589.7
155°	471.8	477.6	483.5	485.0	497.5	514.3	522.6	534.0	556.7	573.7	575.6
157.5°	483.9	489.6	495.2	496.7	505.3	516.8	522.6	531.4	549.1	562.4	563.6
160°	492.1	496.5	500.9	502.0	508.9	518.0	522.6	530.2	545.4	556.7	557.5
162.5°	500.2	503.5	506.8	507.7	512.6	519.3	522.6	529.0	541.8	551.3	552.0
165°	509.1	512.0	515.0	515.8	518.1	521.1	522.6	527.3	536.4	543.2	544.0
167.5°	517.3	518.7	520.2	520.5	522.4	524.9	526.1	529.1	535.1	539.6	540.0
170°	522.6	524.0	525.5	525.8	525.9	526.1	526.1	529.1	535.1	539.6	539.6
172.5°	525.5	525.8	526.1	526.1	526.1	526.1	526.1	528.5	533.2	536.8	536.6
175°	529.4	529.4	529.4	529.4	528.3	526.8	526.1	527.7	530.7	532.9	532.9
177.5°	529.4	529.4	529.4	529.4	528.5	527.4	526.8	528.0	530.4	532.2	531.9
180°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	926.0	923.5	926.0	924.3	925.2	922.6	914.9	912.4	914.9	917.5	917.5
5°	937.1	935.4	937.1	937.1	936.3	934.6	926.0	924.3	926.0	926.9	925.2
7.5°	940.6	938.0	940.6	938.9	938.9	937.1	928.6	926.9	927.8	930.3	927.8
10°	940.6	938.0	940.6	939.7	938.9	937.1	928.6	925.2	925.2	927.8	925.2
12.5°	936.3	934.6	936.3	934.6	934.6	932.9	924.3	920.9	921.8	922.6	919.2
15°	929.5	926.9	929.5	927.8	928.6	926.0	916.7	913.2	913.2	914.9	908.9
17.5°	919.2	915.8	919.2	918.4	917.5	915.8	907.2	903.8	902.9	903.8	899.5
20°	907.2	904.6	907.2	906.3	906.3	902.9	894.4	890.1	890.1	890.1	885.8
22.5°	888.4	885.8	888.4	890.1	890.1	889.2	881.5	875.6	873.9	873.9	868.7
25°	867.0	864.5	867.0	867.0	866.2	867.0	864.5	861.0	858.5	855.9	850.8
27.5°	846.5	844.8	846.5	844.8	846.5	844.0	843.1	842.3	838.8	836.3	829.4
30°	826.0	824.3	826.0	824.3	822.6	820.9	816.6	814.9	818.3	816.6	805.5
32.5°	800.4	798.7	800.4	800.4	798.7	798.7	791.9	789.3	790.2	795.3	785.0
35°	773.9	771.4	773.9	773.1	773.9	771.4	767.1	766.2	762.8	768.8	761.1
37.5°	743.2	740.6	743.2	743.2	743.2	744.9	741.5	738.9	733.8	741.5	735.5
40°	711.6	708.2	711.6	710.7	711.6	713.3	711.6	709.9	704.7	710.7	705.6
42.5°	675.7	674.8	675.7	676.6	676.6	680.0	682.5	679.1	677.4	673.1	676.6
45°	637.3	635.6	637.3	639.0	639.8	641.5	649.2	649.2	646.7	639.8	645.0
47.5°	596.3	592.0	596.3	601.4	601.4	604.0	611.6	617.6	613.3	604.8	607.4
50°	552.7	553.6	552.7	556.1	556.1	565.5	571.5	577.5	581.7	571.5	559.5
52.5°	510.0	509.1	510.0	512.6	516.0	520.2	530.5	536.5	543.3	537.3	518.5
55°	467.3	469.0	467.3	468.1	469.9	472.4	487.8	493.8	506.6	498.9	479.3
57.5°	424.6	422.0	424.6	426.3	427.1	429.7	442.5	453.6	461.3	462.2	438.3
60°	375.0	371.6	375.0	382.7	384.4	386.2	398.1	408.4	415.2	417.8	393.0
62.5°	331.5	325.5	331.5	336.6	340.0	344.3	352.8	368.2	374.2	375.0	340.0
65°	285.3	282.7	285.3	295.5	296.4	301.5	311.0	322.1	334.9	333.2	282.7
67.5°	243.4	243.4	243.4	250.3	255.4	257.9	269.9	275.0	291.3	293.0	235.7
70°	205.0	204.1	205.0	210.1	213.5	219.5	230.6	236.6	249.4	253.7	191.3
72.5°	168.3	167.4	168.3	172.5	176.0	181.1	190.5	197.3	208.4	213.5	148.6
75°	135.8	134.1	135.8	139.2	138.4	145.2	152.9	159.7	170.0	173.4	110.2
77.5°	104.2	104.2	104.2	107.6	107.6	114.5	117.9	126.4	132.4	137.5	81.1
80°	77.7	76.9	77.7	78.6	78.6	82.0	88.0	94.0	99.1	99.1	55.5
82.5°	54.7	53.0	54.7	54.7	54.7	56.4	59.8	61.5	64.9	67.5	35.0
85°	34.2	34.2	34.2	35.0	34.2	35.9	36.7	38.4	38.4	36.7	21.4
87.5°	22.2	21.4	22.2	21.4	21.4	20.5	20.5	20.5	19.6	18.8	12.0
90°	13.5	13.5	13.5	13.5	13.5	18.0	24.0	27.0	23.2	15.6	9.9
92.5°	54.1	43.3	54.1	64.8	67.5	95.7	133.2	152.0	133.5	96.4	68.6
95°	188.5	156.0	188.5	221.0	229.2	300.9	396.6	444.4	375.3	237.2	133.6
97.5°	451.6	389.7	451.6	513.5	529.0	574.3	634.8	665.0	549.9	319.5	146.7
100°	650.7	577.0	650.7	724.4	742.8	739.5	735.1	732.9	605.1	349.5	157.8
102.5°	846.5	783.4	846.5	909.6	925.4	867.7	790.7	752.1	622.5	363.3	168.8
105°	1096.2	1062.3	1096.2	1130.2	1138.6	1009.1	836.4	750.0	624.5	373.4	185.1
107.5°	1259.8	1268.0	1259.8	1251.6	1249.5	1068.8	827.8	707.3	596.6	375.3	209.3
110°	1322.1	1357.5	1322.1	1286.7	1277.9	1075.9	806.5	671.8	572.0	372.4	222.8



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1327.7	1382.0	1327.7	1273.3	1259.8	1053.0	777.3	639.5	550.5	372.6	239.1
115°	1292.5	1367.8	1292.5	1217.1	1198.3	999.2	733.6	600.8	525.9	376.0	263.6
117.5°	1217.8	1301.3	1217.8	1134.3	1113.4	933.6	694.0	574.1	510.4	383.0	287.4
120°	1157.7	1238.8	1157.7	1076.5	1056.2	892.0	673.0	563.5	505.2	388.6	301.3
122.5°	1099.1	1179.1	1099.1	1019.0	999.0	851.1	653.8	555.3	502.5	396.8	317.7
125°	1015.5	1089.3	1015.5	941.8	923.3	797.7	630.2	546.4	500.2	407.8	338.6
127.5°	940.4	1002.6	940.4	878.1	862.6	754.7	610.9	539.0	498.9	418.9	358.8
130°	896.1	953.5	896.1	838.6	824.2	728.2	600.2	536.1	499.8	426.9	372.3
132.5°	855.8	907.3	855.8	804.4	791.5	705.5	590.9	533.6	500.2	433.4	383.3
135°	800.7	845.2	800.7	756.4	745.3	673.3	577.4	529.4	499.8	440.6	396.1
137.5°	756.7	793.0	756.7	720.3	711.2	650.3	569.2	528.6	502.8	451.2	412.5
140°	726.4	760.3	726.4	692.4	683.9	631.3	561.2	526.1	503.3	457.7	423.5
142.5°	701.2	730.5	701.2	672.0	664.7	618.5	556.9	526.1	505.1	463.2	431.7
145°	663.6	685.7	663.6	641.5	635.9	598.1	547.8	522.6	505.2	470.3	444.1
147.5°	634.7	653.0	634.7	616.4	611.8	582.1	542.5	522.6	508.6	480.7	459.7
150°	616.4	631.3	616.4	601.6	597.9	572.8	539.4	522.6	510.5	486.2	467.9
152.5°	600.9	612.2	600.9	589.7	586.9	565.4	536.9	522.6	511.6	489.7	473.2
155°	583.0	590.5	583.0	575.6	573.7	556.7	534.0	522.6	514.3	497.5	485.0
157.5°	568.9	574.1	568.9	563.6	562.4	549.1	531.4	522.6	516.8	505.3	496.7
160°	560.5	563.5	560.5	557.5	556.7	545.4	530.2	522.6	518.0	508.9	502.0
162.5°	554.9	557.7	554.9	552.0	551.3	541.8	529.0	522.6	519.3	512.6	507.7
165°	547.0	550.0	547.0	544.0	543.2	536.4	527.3	522.6	521.1	518.1	515.8
167.5°	541.2	542.5	541.2	540.0	539.6	535.1	529.1	526.1	524.9	522.4	520.5
170°	539.6	539.6	539.6	539.6	539.6	535.1	529.1	526.1	526.1	525.9	525.8
172.5°	535.5	534.3	535.5	536.6	536.8	533.2	528.5	526.1	526.1	526.1	526.1
175°	532.9	532.9	532.9	532.9	532.9	530.7	527.7	526.1	526.8	528.3	529.4
177.5°	530.7	529.4	530.7	531.9	532.2	530.4	528.0	526.8	527.4	528.5	529.4
180°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	915.8	910.6	910.6	902.0	898.6	896.1	891.8	879.0	875.6	872.2	877.3
5°	923.5	914.1	907.2	891.8	879.0	873.9	857.6	826.9	806.4	791.0	782.5
7.5°	925.2	913.2	900.3	876.4	845.7	832.0	782.5	726.1	710.7	697.1	688.5
10°	923.5	909.7	891.8	855.9	783.3	759.4	709.9	673.1	663.7	661.2	663.7
12.5°	917.5	904.6	879.8	820.0	718.4	702.2	673.1	651.8	650.1	654.3	677.4
15°	907.2	895.2	866.2	772.2	682.5	670.6	650.1	642.4	651.8	681.7	750.9
17.5°	896.9	883.3	847.4	725.2	655.2	646.7	632.1	647.5	700.5	740.6	763.7
20°	883.3	867.0	826.0	691.1	635.6	627.9	621.0	690.2	730.4	744.9	757.7
22.5°	867.0	849.9	797.0	667.2	615.1	609.1	613.3	714.1	730.4	740.6	751.7
25°	845.7	831.2	762.8	648.4	598.8	592.0	608.2	711.6	721.0	723.5	745.7
27.5°	826.0	807.2	726.9	631.3	579.2	576.6	612.5	700.5	707.3	709.9	733.8
30°	802.1	773.9	686.8	613.3	558.7	557.8	613.3	686.8	685.1	691.9	715.8
32.5°	777.3	724.4	641.5	591.1	539.0	538.2	607.4	666.3	664.6	674.0	691.9
35°	754.3	686.0	580.0	565.5	514.3	515.1	592.9	642.4	643.2	651.8	662.9
37.5°	730.4	652.6	512.6	537.3	490.4	490.4	573.2	620.2	618.5	621.0	636.4
40°	702.2	600.5	452.8	500.6	468.1	465.6	549.3	596.3	590.3	589.4	610.8
42.5°	672.3	543.3	408.4	451.9	442.5	439.1	520.2	567.2	556.1	558.7	586.0
45°	639.8	527.9	374.2	381.9	416.0	413.5	488.6	533.9	526.2	533.1	561.2
47.5°	607.4	497.2	363.1	317.0	387.9	387.0	453.6	501.5	497.2	504.0	533.9
50°	563.0	463.0	362.2	271.6	356.3	359.7	411.8	469.9	469.9	475.8	507.4
52.5°	505.7	421.2	328.9	246.0	319.5	329.8	375.0	442.5	444.2	450.2	478.4
55°	453.6	377.6	305.0	226.3	275.9	298.1	339.2	414.3	417.8	423.7	449.4
57.5°	405.8	314.4	299.8	203.3	235.7	257.1	307.6	387.0	388.7	393.8	418.6
60°	354.5	227.2	275.0	178.5	200.7	216.9	278.4	354.5	360.5	363.9	385.3
62.5°	296.4	164.8	249.4	161.4	183.6	187.1	254.5	323.8	331.5	334.0	346.9
65°	211.0	138.4	211.8	146.9	165.7	166.6	228.9	292.1	298.9	303.2	312.7
67.5°	142.6	112.7	161.4	133.2	152.0	152.9	204.1	255.4	264.8	268.2	274.2
70°	99.1	75.2	119.6	118.7	136.7	138.4	177.7	222.1	230.6	233.2	236.6
72.5°	72.6	60.6	99.1	106.8	120.4	122.1	150.3	184.5	193.0	195.6	197.3
75°	55.5	64.1	80.3	93.1	102.5	103.3	123.0	150.3	156.3	158.0	158.9
77.5°	44.4	59.8	58.9	75.2	83.7	82.0	96.5	116.2	121.3	121.3	121.3
80°	33.3	47.0	44.4	53.8	61.5	59.8	69.2	82.9	84.6	86.3	85.4
82.5°	24.8	29.9	29.9	34.2	41.0	39.3	46.1	53.8	53.8	53.8	55.5
85°	15.4	17.1	13.7	17.9	23.1	22.2	25.6	29.0	29.9	29.9	28.2
87.5°	9.4	7.7	4.3	6.8	10.2	10.2	12.0	12.8	12.0	12.0	12.0
90°	9.2	6.4	3.6	6.4	9.2	9.9	15.6	23.2	27.0	24.0	18.0
92.5°	62.5	38.4	14.2	38.4	62.5	68.6	96.4	133.5	152.0	133.2	95.7
95°	122.6	78.3	34.1	78.3	122.6	133.6	237.2	375.3	444.4	396.6	300.9
97.5°	137.0	98.0	58.9	98.0	137.0	146.7	319.5	549.9	665.0	634.8	574.3
100°	148.9	113.5	78.2	113.5	148.9	157.8	349.5	605.1	732.9	735.1	739.5
102.5°	160.5	127.5	94.5	127.5	160.5	168.8	363.3	622.5	752.1	790.7	867.7
105°	178.1	150.2	122.2	150.2	178.1	185.1	373.4	624.5	750.0	836.4	1009.1
107.5°	202.8	176.7	150.7	176.7	202.8	209.3	375.3	596.6	707.3	827.8	1068.8
110°	216.9	193.4	169.8	193.4	216.9	222.8	372.4	572.0	671.8	806.5	1075.9



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	233.4	211.1	188.7	211.1	233.4	239.1	372.6	550.5	639.5	777.3	1053.0
115°	258.4	237.7	217.0	237.7	258.4	263.6	376.0	525.9	600.8	733.6	999.2
117.5°	282.7	263.9	245.1	263.9	282.7	287.4	383.0	510.4	574.1	694.0	933.6
120°	296.8	279.1	261.4	279.1	296.8	301.3	388.6	505.2	563.5	673.0	892.0
122.5°	313.2	295.4	277.5	295.4	313.2	317.7	396.8	502.5	555.3	653.8	851.1
125°	334.5	318.2	302.0	318.2	334.5	338.6	407.8	500.2	546.4	630.2	797.7
127.5°	354.7	338.2	321.8	338.2	354.7	358.8	418.9	498.9	539.0	610.9	754.7
130°	367.9	350.2	332.5	350.2	367.9	372.3	426.9	499.8	536.1	600.2	728.2
132.5°	378.9	361.2	343.5	361.2	378.9	383.3	433.4	500.2	533.6	590.9	705.5
135°	392.1	376.0	359.9	376.0	392.1	396.1	440.6	499.8	529.4	577.4	673.3
137.5°	408.4	392.6	376.6	392.6	408.4	412.5	451.2	502.8	528.6	569.2	650.3
140°	419.8	405.1	390.4	405.1	419.8	423.5	457.7	503.3	526.1	561.2	631.3
142.5°	428.3	414.7	401.1	414.7	428.3	431.7	463.2	505.1	526.1	556.9	618.5
145°	441.1	429.3	417.4	429.3	441.1	444.1	470.3	505.2	522.6	547.8	598.1
147.5°	456.8	445.3	433.8	445.3	456.8	459.7	480.7	508.6	522.6	542.5	582.1
150°	465.2	454.8	444.4	454.8	465.2	467.9	486.2	510.5	522.6	539.4	572.8
152.5°	471.2	463.3	455.4	463.3	471.2	473.2	489.7	511.6	522.6	536.9	565.4
155°	483.5	477.6	471.8	477.6	483.5	485.0	497.5	514.3	522.6	534.0	556.7
157.5°	495.2	489.6	483.9	489.6	495.2	496.7	505.3	516.8	522.6	531.4	549.1
160°	500.9	496.5	492.1	496.5	500.9	502.0	508.9	518.0	522.6	530.2	545.4
162.5°	506.8	503.5	500.2	503.5	506.8	507.7	512.6	519.3	522.6	529.0	541.8
165°	515.0	512.0	509.1	512.0	515.0	515.8	518.1	521.1	522.6	527.3	536.4
167.5°	520.2	518.7	517.3	518.7	520.2	520.5	522.4	524.9	526.1	529.1	535.1
170°	525.5	524.0	522.6	524.0	525.5	525.8	525.9	526.1	526.1	529.1	535.1
172.5°	526.1	525.8	525.5	525.8	526.1	526.1	526.1	526.1	526.1	528.5	533.2
175°	529.4	529.4	529.4	529.4	529.4	529.4	528.3	526.8	526.1	527.7	530.7
177.5°	529.4	529.4	529.4	529.4	529.4	529.4	528.5	527.4	526.8	528.0	530.4
180°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	871.3	868.7	872.2	862.8	872.2	868.7	871.3	877.3	872.2	875.6	879.0
5°	764.5	760.3	746.6	735.5	746.6	760.3	764.5	782.5	791.0	806.4	826.9
7.5°	683.4	680.0	676.6	669.7	676.6	680.0	683.4	688.5	697.1	710.7	726.1
10°	665.5	666.3	671.4	670.6	671.4	666.3	665.5	663.7	661.2	663.7	673.1
12.5°	711.6	719.3	747.4	745.7	747.4	719.3	711.6	677.4	654.3	650.1	651.8
15°	764.5	767.1	773.1	773.9	773.1	767.1	764.5	750.9	681.7	651.8	642.4
17.5°	769.7	770.5	774.8	774.8	774.8	770.5	769.7	763.7	740.6	700.5	647.5
20°	765.4	767.1	775.6	777.3	775.6	767.1	765.4	757.7	744.9	730.4	690.2
22.5°	763.7	767.1	773.9	773.1	773.9	767.1	763.7	751.7	740.6	730.4	714.1
25°	755.1	755.1	756.0	756.8	756.0	755.1	755.1	745.7	723.5	721.0	711.6
27.5°	737.2	738.9	744.0	743.2	744.0	738.9	737.2	733.8	709.9	707.3	700.5
30°	721.0	719.3	715.0	711.6	715.0	719.3	721.0	715.8	691.9	685.1	686.8
32.5°	693.6	689.4	685.1	682.5	685.1	689.4	693.6	691.9	674.0	664.6	666.3
35°	661.2	662.0	661.2	658.6	661.2	662.0	661.2	662.9	651.8	643.2	642.4
37.5°	638.1	639.8	639.0	635.6	639.0	639.8	638.1	636.4	621.0	618.5	620.2
40°	614.2	615.1	614.2	611.6	614.2	615.1	614.2	610.8	589.4	590.3	596.3
42.5°	591.1	590.3	587.7	586.0	587.7	590.3	591.1	586.0	558.7	556.1	567.2
45°	564.7	565.5	560.4	557.8	560.4	565.5	564.7	561.2	533.1	526.2	533.9
47.5°	538.2	538.2	533.9	531.4	533.9	538.2	538.2	533.9	504.0	497.2	501.5
50°	510.0	509.1	503.2	502.3	503.2	509.1	510.0	507.4	475.8	469.9	469.9
52.5°	477.5	477.5	478.4	480.1	478.4	477.5	477.5	478.4	450.2	444.2	442.5
55°	449.4	450.2	456.2	457.9	456.2	450.2	449.4	449.4	423.7	417.8	414.3
57.5°	420.3	420.3	424.6	424.6	424.6	420.3	420.3	418.6	393.8	388.7	387.0
60°	387.0	388.7	392.1	391.3	392.1	388.7	387.0	385.3	363.9	360.5	354.5
62.5°	352.0	353.7	354.5	352.8	354.5	353.7	352.0	346.9	334.0	331.5	323.8
65°	315.3	317.0	317.8	316.1	317.8	317.0	315.3	312.7	303.2	298.9	292.1
67.5°	277.6	276.7	275.9	279.3	275.9	276.7	277.6	274.2	268.2	264.8	255.4
70°	239.2	239.2	238.3	240.0	238.3	239.2	239.2	236.6	233.2	230.6	222.1
72.5°	198.2	197.3	200.7	198.2	200.7	197.3	198.2	197.3	195.6	193.0	184.5
75°	158.0	159.7	158.0	160.6	158.0	159.7	158.0	158.9	158.0	156.3	150.3
77.5°	120.4	122.1	120.4	120.4	120.4	122.1	120.4	121.3	121.3	121.3	116.2
80°	85.4	84.6	84.6	83.7	84.6	84.6	85.4	85.4	86.3	84.6	82.9
82.5°	54.7	53.8	53.8	55.5	53.8	53.8	54.7	55.5	53.8	53.8	53.8
85°	29.9	30.7	29.0	29.0	29.0	30.7	29.9	28.2	29.9	29.9	29.0
87.5°	11.1	10.2	10.2	10.2	10.2	10.2	11.1	12.0	12.0	12.0	12.8
90°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18.0	24.0	27.0	23.2
92.5°	67.5	64.8	54.1	43.3	54.1	64.8	67.5	95.7	133.2	152.0	133.5
95°	229.2	221.0	188.5	156.0	188.5	221.0	229.2	300.9	396.6	444.4	375.3
97.5°	529.0	513.5	451.6	389.7	451.6	513.5	529.0	574.3	634.8	665.0	549.9
100°	742.8	724.4	650.7	577.0	650.7	724.4	742.8	739.5	735.1	732.9	605.1
102.5°	925.4	909.6	846.5	783.4	846.5	909.6	925.4	867.7	790.7	752.1	622.5
105°	1138.6	1130.2	1096.2	1062.3	1096.2	1130.2	1138.6	1009.1	836.4	750.0	624.5
107.5°	1249.5	1251.6	1259.8	1268.0	1259.8	1251.6	1249.5	1068.8	827.8	707.3	596.6
110°	1277.9	1286.7	1322.1	1357.5	1322.1	1286.7	1277.9	1075.9	806.5	671.8	572.0



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1259.8	1273.3	1327.7	1382.0	1327.7	1273.3	1259.8	1053.0	777.3	639.5	550.5
115°	1198.3	1217.1	1292.5	1367.8	1292.5	1217.1	1198.3	999.2	733.6	600.8	525.9
117.5°	1113.4	1134.3	1217.8	1301.3	1217.8	1134.3	1113.4	933.6	694.0	574.1	510.4
120°	1056.2	1076.5	1157.7	1238.8	1157.7	1076.5	1056.2	892.0	673.0	563.5	505.2
122.5°	999.0	1019.0	1099.1	1179.1	1099.1	1019.0	999.0	851.1	653.8	555.3	502.5
125°	923.3	941.8	1015.5	1089.3	1015.5	941.8	923.3	797.7	630.2	546.4	500.2
127.5°	862.6	878.1	940.4	1002.6	940.4	878.1	862.6	754.7	610.9	539.0	498.9
130°	824.2	838.6	896.1	953.5	896.1	838.6	824.2	728.2	600.2	536.1	499.8
132.5°	791.5	804.4	855.8	907.3	855.8	804.4	791.5	705.5	590.9	533.6	500.2
135°	745.3	756.4	800.7	845.2	800.7	756.4	745.3	673.3	577.4	529.4	499.8
137.5°	711.2	720.3	756.7	793.0	756.7	720.3	711.2	650.3	569.2	528.6	502.8
140°	683.9	692.4	726.4	760.3	726.4	692.4	683.9	631.3	561.2	526.1	503.3
142.5°	664.7	672.0	701.2	730.5	701.2	672.0	664.7	618.5	556.9	526.1	505.1
145°	635.9	641.5	663.6	685.7	663.6	641.5	635.9	598.1	547.8	522.6	505.2
147.5°	611.8	616.4	634.7	653.0	634.7	616.4	611.8	582.1	542.5	522.6	508.6
150°	597.9	601.6	616.4	631.3	616.4	601.6	597.9	572.8	539.4	522.6	510.5
152.5°	586.9	589.7	600.9	612.2	600.9	589.7	586.9	565.4	536.9	522.6	511.6
155°	573.7	575.6	583.0	590.5	583.0	575.6	573.7	556.7	534.0	522.6	514.3
157.5°	562.4	563.6	568.9	574.1	568.9	563.6	562.4	549.1	531.4	522.6	516.8
160°	556.7	557.5	560.5	563.5	560.5	557.5	556.7	545.4	530.2	522.6	518.0
162.5°	551.3	552.0	554.9	557.7	554.9	552.0	551.3	541.8	529.0	522.6	519.3
165°	543.2	544.0	547.0	550.0	547.0	544.0	543.2	536.4	527.3	522.6	521.1
167.5°	539.6	540.0	541.2	542.5	541.2	540.0	539.6	535.1	529.1	526.1	524.9
170°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	535.1	529.1	526.1	526.1
172.5°	536.8	536.6	535.5	534.3	535.5	536.6	536.8	533.2	528.5	526.1	526.1
175°	532.9	532.9	532.9	532.9	532.9	532.9	532.9	530.7	527.7	526.1	526.8
177.5°	532.2	531.9	530.7	529.4	530.7	531.9	532.2	530.4	528.0	526.8	527.4
180°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	902.9	902.9	902.9	902.9	902.9
2.5°	891.8	896.1	898.6	902.0	910.6
5°	857.6	873.9	879.0	891.8	907.2
7.5°	782.5	832.0	845.7	876.4	900.3
10°	709.9	759.4	783.3	855.9	891.8
12.5°	673.1	702.2	718.4	820.0	879.8
15°	650.1	670.6	682.5	772.2	866.2
17.5°	632.1	646.7	655.2	725.2	847.4
20°	621.0	627.9	635.6	691.1	826.0
22.5°	613.3	609.1	615.1	667.2	797.0
25°	608.2	592.0	598.8	648.4	762.8
27.5°	612.5	576.6	579.2	631.3	726.9
30°	613.3	557.8	558.7	613.3	686.8
32.5°	607.4	538.2	539.0	591.1	641.5
35°	592.9	515.1	514.3	565.5	580.0
37.5°	573.2	490.4	490.4	537.3	512.6
40°	549.3	465.6	468.1	500.6	452.8
42.5°	520.2	439.1	442.5	451.9	408.4
45°	488.6	413.5	416.0	381.9	374.2
47.5°	453.6	387.0	387.9	317.0	363.1
50°	411.8	359.7	356.3	271.6	362.2
52.5°	375.0	329.8	319.5	246.0	328.9
55°	339.2	298.1	275.9	226.3	305.0
57.5°	307.6	257.1	235.7	203.3	299.8
60°	278.4	216.9	200.7	178.5	275.0
62.5°	254.5	187.1	183.6	161.4	249.4
65°	228.9	166.6	165.7	146.9	211.8
67.5°	204.1	152.9	152.0	133.2	161.4
70°	177.7	138.4	136.7	118.7	119.6
72.5°	150.3	122.1	120.4	106.8	99.1
75°	123.0	103.3	102.5	93.1	80.3
77.5°	96.5	82.0	83.7	75.2	58.9
80°	69.2	59.8	61.5	53.8	44.4
82.5°	46.1	39.3	41.0	34.2	29.9
85°	25.6	22.2	23.1	17.9	13.7
87.5°	12.0	10.2	10.2	6.8	4.3
90°	15.6	9.9	9.2	6.4	3.6
92.5°	96.4	68.6	62.5	38.4	14.2
95°	237.2	133.6	122.6	78.3	34.1
97.5°	319.5	146.7	137.0	98.0	58.9
100°	349.5	157.8	148.9	113.5	78.2
102.5°	363.3	168.8	160.5	127.5	94.5
105°	373.4	185.1	178.1	150.2	122.2
107.5°	375.3	209.3	202.8	176.7	150.7
110°	372.4	222.8	216.9	193.4	169.8



TEST NUMBER: P935131

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	372.6	239.1	233.4	211.1	188.7
115°	376.0	263.6	258.4	237.7	217.0
117.5°	383.0	287.4	282.7	263.9	245.1
120°	388.6	301.3	296.8	279.1	261.4
122.5°	396.8	317.7	313.2	295.4	277.5
125°	407.8	338.6	334.5	318.2	302.0
127.5°	418.9	358.8	354.7	338.2	321.8
130°	426.9	372.3	367.9	350.2	332.5
132.5°	433.4	383.3	378.9	361.2	343.5
135°	440.6	396.1	392.1	376.0	359.9
137.5°	451.2	412.5	408.4	392.6	376.6
140°	457.7	423.5	419.8	405.1	390.4
142.5°	463.2	431.7	428.3	414.7	401.1
145°	470.3	444.1	441.1	429.3	417.4
147.5°	480.7	459.7	456.8	445.3	433.8
150°	486.2	467.9	465.2	454.8	444.4
152.5°	489.7	473.2	471.2	463.3	455.4
155°	497.5	485.0	483.5	477.6	471.8
157.5°	505.3	496.7	495.2	489.6	483.9
160°	508.9	502.0	500.9	496.5	492.1
162.5°	512.6	507.7	506.8	503.5	500.2
165°	518.1	515.8	515.0	512.0	509.1
167.5°	522.4	520.5	520.2	518.7	517.3
170°	525.9	525.8	525.5	524.0	522.6
172.5°	526.1	526.1	526.1	525.8	525.5
175°	528.3	529.4	529.4	529.4	529.4
177.5°	528.5	529.4	529.4	529.4	529.4
180°	529.4	529.4	529.4	529.4	529.4



TEST NUMBER: P935131
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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	11.24	12.02	12.27	13.06	14.46	14.04	14.82	15.07	15.86	17.26
	3H	11.71	12.41	12.75	13.46	14.88	15.37	16.07	16.41	17.12	18.54
	4H	11.90	12.56	12.95	13.61	15.04	15.80	16.46	16.86	17.52	18.94
	6H	12.01	12.62	13.08	13.68	15.12	16.07	16.69	17.14	17.74	19.18
	8H	12.01	12.59	13.08	13.67	15.10	16.14	16.72	17.21	17.80	19.23
	12H	11.98	12.53	13.06	13.60	15.06	16.17	16.73	17.25	17.79	19.25
4H	2H	12.26	12.92	13.32	13.97	15.40	14.44	15.10	15.50	16.16	17.58
	3H	13.27	13.83	14.34	14.91	16.35	15.93	16.48	17.00	17.56	19.00
	4H	13.55	14.05	14.62	15.12	16.59	16.45	16.95	17.52	18.02	19.48
	6H	13.67	14.10	14.75	15.20	16.65	16.80	17.23	17.88	18.33	19.78
	8H	13.67	14.08	14.76	15.16	16.64	16.90	17.30	17.98	18.39	19.86
	12H	13.64	14.00	14.74	15.10	16.58	16.95	17.31	18.05	18.41	19.89
8H	4H	13.99	14.40	15.07	15.48	16.95	16.56	16.97	17.65	18.06	19.53
	6H	14.25	14.58	15.36	15.71	17.18	16.99	17.32	18.10	18.45	19.92
	8H	14.29	14.58	15.40	15.69	17.18	17.14	17.43	18.25	18.54	20.03
	12H	14.27	14.53	15.39	15.63	17.16	17.22	17.48	18.34	18.59	20.12
12H	4H	13.99	14.36	15.09	15.46	16.93	16.53	16.89	17.63	17.99	19.47
	6H	14.31	14.60	15.42	15.71	17.20	16.99	17.28	18.10	18.39	19.88
	8H	14.37	14.63	15.49	15.73	17.26	17.14	17.40	18.26	18.50	20.03