

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: P935132

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935132
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-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

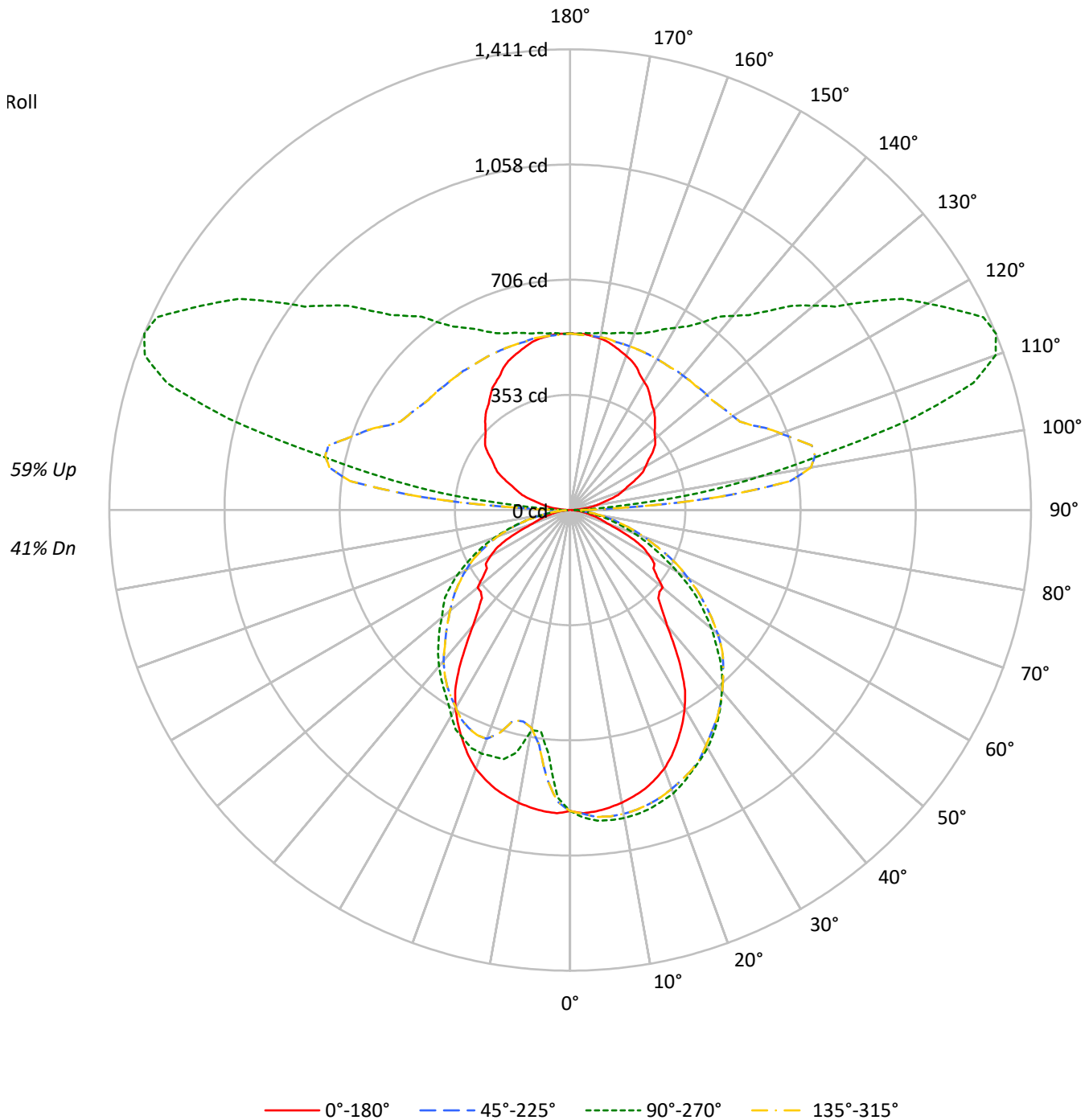
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5895.8 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: 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: P935132
CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

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°	8554	8554	8554	8554
5°	8608	8636	8608	6790
10°	8541	8507	8541	6081
15°	8439	8322	8439	6949
20°	8252	8103	8252	6963
25°	7882	7785	7882	6815
30°	7406	7520	7406	6492
35°	6593	7186	6593	6135
40°	5485	6792	5485	5867
45°	4891	6332	4891	5557
50°	5184	5783	5184	5247
55°	4864	5190	4864	5068
60°	4995	4408	4995	4642
65°	4508	3643	4508	4073
70°	3100	2903	3100	3413
75°	2689	2146	2689	2569
80°	2120	1419	2120	1546
85°	1159	752	1159	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7510 cd/sqm



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.4
10°-20°	236.3	4.0
20°-30°	365.2	6.2
30°-40°	436.0	7.4
40°-50°	438.6	7.4
50°-60°	381.6	6.5
60°-70°	270.6	4.6
70°-80°	143.1	2.4
80°-90°	37.7	0.6
90°-100°	263.4	4.5
100°-110°	692.6	11.7
110°-120°	718.2	12.2
120°-130°	576.0	9.8
130°-140°	452.0	7.7
140°-150°	346.9	5.9
150°-160°	249.8	4.2
160°-170°	152.9	2.6
170°-180°	51.6	0.9
0°-30°	684.7	11.6
0°-40°	1120.7	19.0
0°-60°	1940.9	32.9
0°-90°	2392.3	40.6
90°-120°	1674.2	28.4
90°-150°	3049.1	51.7
90°-180°	3504.0	59.4
0°-180°	5895.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	922	922	922	922	922	
5°	926	955	926	751	926	88
15°	884	946	884	790	884	249
25°	779	883	779	773	779	358
35°	592	788	592	672	592	366
45°	382	649	382	570	382	306
55°	311	479	311	468	311	286
65°	216	289	216	323	216	207
75°	82	137	82	164	82	86
85°	14	35	14	30	14	19
90°	4	14	4	14	4	4
95°	35	159	35	159	35	39
105°	125	1084	125	1084	125	132
115°	222	1396	222	1396	222	219
125°	308	1112	308	1112	308	274
135°	368	863	368	863	368	284
145°	426	700	426	700	426	267
155°	482	603	482	603	482	221
165°	520	562	520	562	520	147
175°	540	544	540	544	540	51
180°	540	540	540	540	540	



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	929.7	929.7	935.0	936.7	936.7	934.1	931.5	934.1	942.0	944.6	943.7
5°	926.2	933.3	942.8	944.6	946.3	945.5	943.7	945.5	954.2	955.9	956.8
7.5°	919.2	932.4	944.6	947.2	949.8	947.2	946.3	948.1	956.8	958.5	958.5
10°	910.5	928.8	942.8	944.6	947.2	944.6	944.6	948.1	956.8	958.5	959.4
12.5°	898.3	923.6	936.7	938.5	942.0	941.1	940.2	943.7	952.4	954.2	954.2
15°	884.3	914.0	926.2	927.9	934.1	932.4	932.4	935.9	945.5	948.1	947.2
17.5°	865.1	901.8	915.7	918.3	922.7	921.8	922.7	926.2	935.0	936.7	937.6
20°	843.3	885.2	901.8	904.4	908.7	908.7	908.7	913.1	921.8	925.3	925.3
22.5°	813.7	867.8	885.2	886.9	892.2	892.2	893.9	900.0	907.9	908.7	908.7
25°	778.8	848.6	863.4	868.6	873.9	876.5	879.1	882.6	885.2	884.3	885.2
27.5°	742.2	824.2	843.3	846.8	853.8	856.4	859.9	860.8	861.7	864.3	862.5
30°	701.2	790.2	818.9	822.4	833.8	835.5	832.0	833.8	838.1	839.9	841.6
32.5°	655.0	739.6	793.6	801.5	812.0	806.7	805.8	808.5	815.4	815.4	817.2
35°	592.2	700.3	770.1	777.1	784.9	778.8	782.3	783.2	787.5	790.2	789.3
37.5°	523.3	666.3	745.7	750.9	757.0	749.2	754.4	757.0	760.5	758.8	758.8
40°	462.3	613.1	716.9	720.4	725.6	719.5	724.7	726.5	728.2	726.5	725.6
42.5°	416.9	554.7	686.4	690.7	687.2	691.6	693.4	696.8	694.2	690.7	690.7
45°	382.0	539.0	653.2	658.5	653.2	660.2	662.8	662.8	655.0	653.2	652.4
47.5°	370.7	507.6	620.1	620.1	617.5	626.2	630.6	624.5	616.6	614.0	614.0
50°	369.8	472.7	574.8	571.3	583.5	593.9	589.6	583.5	577.4	567.8	567.8
52.5°	335.8	430.0	516.3	529.4	548.6	554.7	547.7	541.6	531.2	526.8	523.3
55°	311.4	385.5	463.1	489.3	509.4	517.2	504.1	498.0	482.3	479.7	478.0
57.5°	306.1	321.0	414.3	447.4	471.9	471.0	463.1	451.8	438.7	436.1	435.2
60°	280.8	232.0	362.0	401.2	426.5	423.9	416.9	406.5	394.2	392.5	390.8
62.5°	254.6	168.3	302.6	347.2	382.9	382.0	375.9	360.2	351.5	347.2	343.7
65°	216.3	141.3	215.4	288.6	340.2	341.9	328.8	317.5	307.8	302.6	301.7
67.5°	164.8	115.1	145.6	240.7	299.1	297.4	280.8	275.6	263.4	260.7	255.5
70°	122.1	76.7	101.2	195.3	259.0	254.6	241.6	235.4	224.1	218.0	214.5
72.5°	101.2	61.9	74.1	151.7	218.0	212.8	201.4	194.5	184.9	179.6	176.2
75°	82.0	65.4	56.7	112.5	177.0	173.5	163.1	156.1	148.2	141.3	142.1
77.5°	60.2	61.0	45.3	82.8	140.4	135.2	129.1	120.3	116.9	109.9	109.9
80°	45.3	48.0	34.0	56.7	101.2	101.2	95.9	89.8	83.7	80.2	80.2
82.5°	30.5	30.5	25.3	35.8	68.9	66.3	62.8	61.0	57.6	55.8	55.8
85°	14.0	17.4	15.7	21.8	37.5	39.2	39.2	37.5	36.6	34.9	35.8
87.5°	4.4	7.8	9.6	12.2	19.2	20.1	20.9	20.9	20.9	21.8	21.8
90°	3.7	6.5	9.4	10.1	16.0	23.7	27.6	24.5	18.4	13.8	13.8
92.5°	14.5	39.2	63.8	70.0	98.5	136.3	155.2	136.0	97.7	68.9	66.2
95°	34.8	80.0	125.1	136.4	242.2	383.2	453.7	404.9	307.2	234.0	225.7
97.5°	60.2	100.0	139.9	149.8	326.2	561.4	679.0	648.1	586.4	540.1	524.3
100°	79.8	115.9	152.0	161.1	356.8	617.8	748.3	750.6	755.0	758.4	739.6
102.5°	96.4	130.2	163.9	172.3	370.9	635.5	767.9	807.2	885.9	944.8	928.7
105°	124.8	153.3	181.8	189.0	381.3	637.5	765.7	853.9	1030.2	1162.5	1153.9
107.5°	153.8	180.4	207.0	213.6	383.2	609.1	722.1	845.2	1091.2	1275.7	1277.8
110°	173.4	197.4	221.4	227.4	380.2	584.0	685.9	823.4	1098.4	1304.7	1313.7



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	192.6	215.5	238.3	244.1	380.4	562.0	652.9	793.6	1075.0	1286.2	1300.0
115°	221.6	242.7	263.8	269.1	383.9	536.9	613.4	749.0	1020.1	1223.5	1242.6
117.5°	250.3	269.5	288.6	293.4	391.0	521.1	586.2	708.5	953.2	1136.8	1158.1
120°	266.9	285.0	303.0	307.6	396.8	515.8	575.3	687.1	910.7	1078.4	1099.1
122.5°	283.3	301.5	319.8	324.3	405.1	513.0	566.9	667.5	868.9	1019.9	1040.3
125°	308.4	324.9	341.5	345.7	416.4	510.7	557.8	643.4	814.4	942.7	961.5
127.5°	328.6	345.3	362.2	366.3	427.6	509.4	550.3	623.7	770.5	880.7	896.5
130°	339.5	357.5	375.6	380.1	435.8	510.2	547.4	612.8	743.5	841.5	856.2
132.5°	350.7	368.8	386.8	391.4	442.5	510.7	544.8	603.3	720.3	808.1	821.3
135°	367.5	383.9	400.4	404.4	449.8	510.2	540.5	589.5	687.4	760.9	772.3
137.5°	384.5	400.8	417.0	421.1	460.6	513.4	539.7	581.1	664.0	726.1	735.4
140°	398.6	413.6	428.6	432.4	467.3	513.9	537.2	572.9	644.5	698.2	706.9
142.5°	409.5	423.4	437.2	440.7	472.9	515.7	537.2	568.6	631.4	678.6	686.1
145°	426.2	438.3	450.3	453.4	480.1	515.8	533.6	559.3	610.7	649.2	654.9
147.5°	442.9	454.7	466.4	469.3	490.8	519.3	533.6	553.8	594.3	624.6	629.3
150°	453.7	464.4	475.0	477.7	496.4	521.2	533.6	550.7	584.8	610.4	614.2
152.5°	465.0	473.0	481.1	483.1	499.9	522.3	533.6	548.2	577.3	599.2	602.1
155°	481.7	487.6	493.7	495.1	508.0	525.1	533.6	545.2	568.4	585.7	587.7
157.5°	494.0	499.8	505.6	507.1	515.9	527.7	533.6	542.6	560.6	574.1	575.5
160°	502.4	506.9	511.4	512.5	519.6	528.9	533.6	541.4	556.8	568.4	569.2
162.5°	510.7	514.1	517.5	518.3	523.4	530.2	533.6	540.1	553.1	562.9	563.6
165°	519.7	522.8	525.8	526.6	529.0	532.0	533.6	538.3	547.6	554.6	555.4
167.5°	528.1	529.6	531.1	531.4	533.3	535.9	537.2	540.2	546.3	551.0	551.3
170°	533.6	535.0	536.5	536.8	536.9	537.1	537.2	540.2	546.3	551.0	551.0
172.5°	536.5	536.8	537.1	537.2	537.2	537.2	537.2	539.6	544.4	548.1	547.8
175°	540.5	540.5	540.5	540.5	539.4	537.9	537.2	538.7	541.8	544.1	544.1
177.5°	540.5	540.5	540.5	540.5	539.6	538.5	537.9	539.1	541.5	543.4	543.0
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	945.5	942.8	945.5	943.7	944.6	942.0	934.1	931.5	934.1	936.7	936.7
5°	956.8	955.1	956.8	956.8	955.9	954.2	945.5	943.7	945.5	946.3	944.6
7.5°	960.3	957.7	960.3	958.5	958.5	956.8	948.1	946.3	947.2	949.8	947.2
10°	960.3	957.7	960.3	959.4	958.5	956.8	948.1	944.6	944.6	947.2	944.6
12.5°	955.9	954.2	955.9	954.2	954.2	952.4	943.7	940.2	941.1	942.0	938.5
15°	948.9	946.3	948.9	947.2	948.1	945.5	935.9	932.4	932.4	934.1	927.9
17.5°	938.5	935.0	938.5	937.6	936.7	935.0	926.2	922.7	921.8	922.7	918.3
20°	926.2	923.6	926.2	925.3	925.3	921.8	913.1	908.7	908.7	908.7	904.4
22.5°	907.0	904.4	907.0	908.7	908.7	907.9	900.0	893.9	892.2	892.2	886.9
25°	885.2	882.6	885.2	885.2	884.3	885.2	882.6	879.1	876.5	873.9	868.6
27.5°	864.3	862.5	864.3	862.5	864.3	861.7	860.8	859.9	856.4	853.8	846.8
30°	843.3	841.6	843.3	841.6	839.9	838.1	833.8	832.0	835.5	833.8	822.4
32.5°	817.2	815.4	817.2	817.2	815.4	815.4	808.5	805.8	806.7	812.0	801.5
35°	790.2	787.5	790.2	789.3	790.2	787.5	783.2	782.3	778.8	784.9	777.1
37.5°	758.8	756.1	758.8	758.8	758.8	760.5	757.0	754.4	749.2	757.0	750.9
40°	726.5	723.0	726.5	725.6	726.5	728.2	726.5	724.7	719.5	725.6	720.4
42.5°	689.9	689.0	689.9	690.7	690.7	694.2	696.8	693.4	691.6	687.2	690.7
45°	650.6	648.9	650.6	652.4	653.2	655.0	662.8	662.8	660.2	653.2	658.5
47.5°	608.8	604.4	608.8	614.0	614.0	616.6	624.5	630.6	626.2	617.5	620.1
50°	564.3	565.2	564.3	567.8	567.8	577.4	583.5	589.6	593.9	583.5	571.3
52.5°	520.7	519.8	520.7	523.3	526.8	531.2	541.6	547.7	554.7	548.6	529.4
55°	477.1	478.8	477.1	478.0	479.7	482.3	498.0	504.1	517.2	509.4	489.3
57.5°	433.5	430.9	433.5	435.2	436.1	438.7	451.8	463.1	471.0	471.9	447.4
60°	382.9	379.4	382.9	390.8	392.5	394.2	406.5	416.9	423.9	426.5	401.2
62.5°	338.4	332.3	338.4	343.7	347.2	351.5	360.2	375.9	382.0	382.9	347.2
65°	291.3	288.6	291.3	301.7	302.6	307.8	317.5	328.8	341.9	340.2	288.6
67.5°	248.5	248.5	248.5	255.5	260.7	263.4	275.6	280.8	297.4	299.1	240.7
70°	209.3	208.4	209.3	214.5	218.0	224.1	235.4	241.6	254.6	259.0	195.3
72.5°	171.8	170.9	171.8	176.2	179.6	184.9	194.5	201.4	212.8	218.0	151.7
75°	138.7	136.9	138.7	142.1	141.3	148.2	156.1	163.1	173.5	177.0	112.5
77.5°	106.4	106.4	106.4	109.9	109.9	116.9	120.3	129.1	135.2	140.4	82.8
80°	79.4	78.5	79.4	80.2	80.2	83.7	89.8	95.9	101.2	101.2	56.7
82.5°	55.8	54.1	55.8	55.8	55.8	57.6	61.0	62.8	66.3	68.9	35.8
85°	34.9	34.9	34.9	35.8	34.9	36.6	37.5	39.2	39.2	37.5	21.8
87.5°	22.7	21.8	22.7	21.8	21.8	20.9	20.9	20.9	20.1	19.2	12.2
90°	13.8	13.8	13.8	13.8	13.8	18.4	24.5	27.6	23.7	16.0	10.1
92.5°	55.2	44.2	55.2	66.2	68.9	97.7	136.0	155.2	136.3	98.5	70.0
95°	192.5	159.2	192.5	225.7	234.0	307.2	404.9	453.7	383.2	242.2	136.4
97.5°	461.0	397.9	461.0	524.3	540.1	586.4	648.1	679.0	561.4	326.2	149.8
100°	664.3	589.1	664.3	739.6	758.4	755.0	750.6	748.3	617.8	356.8	161.1
102.5°	864.3	799.8	864.3	928.7	944.8	885.9	807.2	767.9	635.5	370.9	172.3
105°	1119.2	1084.5	1119.2	1153.9	1162.5	1030.2	853.9	765.7	637.5	381.3	189.0
107.5°	1286.2	1294.5	1286.2	1277.8	1275.7	1091.2	845.2	722.1	609.1	383.2	213.6
110°	1349.8	1385.9	1349.8	1313.7	1304.7	1098.4	823.4	685.9	584.0	380.2	227.4



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1355.5	1411.0	1355.5	1300.0	1286.2	1075.0	793.6	652.9	562.0	380.4	244.1
115°	1319.6	1396.5	1319.6	1242.6	1223.5	1020.1	749.0	613.4	536.9	383.9	269.1
117.5°	1243.3	1328.6	1243.3	1158.1	1136.8	953.2	708.5	586.2	521.1	391.0	293.4
120°	1182.0	1264.8	1182.0	1099.1	1078.4	910.7	687.1	575.3	515.8	396.8	307.6
122.5°	1122.1	1203.8	1122.1	1040.3	1019.9	868.9	667.5	566.9	513.0	405.1	324.3
125°	1036.8	1112.1	1036.8	961.5	942.7	814.4	643.4	557.8	510.7	416.4	345.7
127.5°	960.1	1023.6	960.1	896.5	880.7	770.5	623.7	550.3	509.4	427.6	366.3
130°	914.9	973.5	914.9	856.2	841.5	743.5	612.8	547.4	510.2	435.8	380.1
132.5°	873.8	926.4	873.8	821.3	808.1	720.3	603.3	544.8	510.7	442.5	391.4
135°	817.5	862.9	817.5	772.3	760.9	687.4	589.5	540.5	510.2	449.8	404.4
137.5°	772.5	809.6	772.5	735.4	726.1	664.0	581.1	539.7	513.4	460.6	421.1
140°	741.6	776.2	741.6	706.9	698.2	644.5	572.9	537.2	513.9	467.3	432.4
142.5°	715.9	745.8	715.9	686.1	678.6	631.4	568.6	537.2	515.7	472.9	440.7
145°	677.5	700.1	677.5	654.9	649.2	610.7	559.3	533.6	515.8	480.1	453.4
147.5°	648.0	666.7	648.0	629.3	624.6	594.3	553.8	533.6	519.3	490.8	469.3
150°	629.3	644.5	629.3	614.2	610.4	584.8	550.7	533.6	521.2	496.4	477.7
152.5°	613.5	625.0	613.5	602.1	599.2	577.3	548.2	533.6	522.3	499.9	483.1
155°	595.3	602.8	595.3	587.7	585.7	568.4	545.2	533.6	525.1	508.0	495.1
157.5°	580.9	586.2	580.9	575.5	574.1	560.6	542.6	533.6	527.7	515.9	507.1
160°	572.2	575.3	572.2	569.2	568.4	556.8	541.4	533.6	528.9	519.6	512.5
162.5°	566.6	569.4	566.6	563.6	562.9	553.1	540.1	533.6	530.2	523.4	518.3
165°	558.5	561.5	558.5	555.4	554.6	547.6	538.3	533.6	532.0	529.0	526.6
167.5°	552.5	553.8	552.5	551.3	551.0	546.3	540.2	537.2	535.9	533.3	531.4
170°	551.0	551.0	551.0	551.0	551.0	546.3	540.2	537.2	537.1	536.9	536.8
172.5°	546.7	545.5	546.7	547.8	548.1	544.4	539.6	537.2	537.2	537.2	537.2
175°	544.1	544.1	544.1	544.1	544.1	541.8	538.7	537.2	537.9	539.4	540.5
177.5°	541.8	540.5	541.8	543.0	543.4	541.5	539.1	537.9	538.5	539.6	540.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	935.0	929.7	929.7	921.0	917.5	914.9	910.5	897.4	893.9	890.4	895.7
5°	942.8	933.3	926.2	910.5	897.4	892.2	875.6	844.2	823.3	807.6	798.9
7.5°	944.6	932.4	919.2	894.8	863.4	849.4	798.9	741.3	725.6	711.7	702.9
10°	942.8	928.8	910.5	873.9	799.7	775.3	724.7	687.2	677.7	675.0	677.7
12.5°	936.7	923.6	898.3	837.2	733.5	716.9	687.2	665.4	663.7	668.1	691.6
15°	926.2	914.0	884.3	788.4	696.8	684.6	663.7	655.9	665.4	696.0	766.6
17.5°	915.7	901.8	865.1	740.4	668.9	660.2	645.4	661.1	715.2	756.1	779.7
20°	901.8	885.2	843.3	705.6	648.9	641.0	634.1	704.7	745.7	760.5	773.6
22.5°	885.2	867.8	813.7	681.1	628.0	621.8	626.2	729.1	745.7	756.1	767.5
25°	863.4	848.6	778.8	662.0	611.4	604.4	621.0	726.5	736.1	738.7	761.4
27.5°	843.3	824.2	742.2	644.5	591.3	588.7	625.3	715.2	722.1	724.7	749.2
30°	818.9	790.2	701.2	626.2	570.4	569.5	626.2	701.2	699.5	706.4	730.9
32.5°	793.6	739.6	655.0	603.5	550.3	549.5	620.1	680.3	678.5	688.1	706.4
35°	770.1	700.3	592.2	577.4	525.1	525.9	605.3	655.9	656.7	665.4	676.8
37.5°	745.7	666.3	523.3	548.6	500.6	500.6	585.2	633.2	631.4	634.1	649.8
40°	716.9	613.1	462.3	511.1	478.0	475.3	560.8	608.8	602.7	601.8	623.6
42.5°	686.4	554.7	416.9	461.4	451.8	448.3	531.2	579.1	567.8	570.4	598.3
45°	653.2	539.0	382.0	389.9	424.8	422.2	498.9	545.1	537.3	544.2	573.0
47.5°	620.1	507.6	370.7	323.6	396.0	395.1	463.1	512.0	507.6	514.6	545.1
50°	574.8	472.7	369.8	277.3	363.7	367.2	420.4	479.7	479.7	485.8	518.1
52.5°	516.3	430.0	335.8	251.1	326.2	336.7	382.9	451.8	453.5	459.6	488.4
55°	463.1	385.5	311.4	231.1	281.7	304.3	346.3	423.0	426.5	432.6	458.8
57.5°	414.3	321.0	306.1	207.5	240.7	262.5	314.0	395.1	396.9	402.1	427.4
60°	362.0	232.0	280.8	182.3	204.9	221.5	284.3	362.0	368.1	371.6	393.4
62.5°	302.6	168.3	254.6	164.8	187.5	191.0	259.9	330.6	338.4	341.1	354.1
65°	215.4	141.3	216.3	150.0	169.2	170.0	233.7	298.2	305.2	309.6	319.3
67.5°	145.6	115.1	164.8	136.0	155.2	156.1	208.4	260.7	270.3	273.8	279.9
70°	101.2	76.7	122.1	121.2	139.5	141.3	181.4	226.7	235.4	238.1	241.6
72.5°	74.1	61.9	101.2	109.0	123.0	124.7	153.5	188.4	197.1	199.7	201.4
75°	56.7	65.4	82.0	95.1	104.6	105.5	125.6	153.5	159.6	161.3	162.2
77.5°	45.3	61.0	60.2	76.7	85.5	83.7	98.5	118.6	123.8	123.8	123.8
80°	34.0	48.0	45.3	54.9	62.8	61.0	70.6	84.6	86.3	88.1	87.2
82.5°	25.3	30.5	30.5	34.9	41.9	40.1	47.1	54.9	54.9	54.9	56.7
85°	15.7	17.4	14.0	18.3	23.5	22.7	26.2	29.6	30.5	30.5	28.8
87.5°	9.6	7.8	4.4	7.0	10.5	10.5	12.2	13.1	12.2	12.2	12.2
90°	9.4	6.5	3.7	6.5	9.4	10.1	16.0	23.7	27.6	24.5	18.4
92.5°	63.8	39.2	14.5	39.2	63.8	70.0	98.5	136.3	155.2	136.0	97.7
95°	125.1	80.0	34.8	80.0	125.1	136.4	242.2	383.2	453.7	404.9	307.2
97.5°	139.9	100.0	60.2	100.0	139.9	149.8	326.2	561.4	679.0	648.1	586.4
100°	152.0	115.9	79.8	115.9	152.0	161.1	356.8	617.8	748.3	750.6	755.0
102.5°	163.9	130.2	96.4	130.2	163.9	172.3	370.9	635.5	767.9	807.2	885.9
105°	181.8	153.3	124.8	153.3	181.8	189.0	381.3	637.5	765.7	853.9	1030.2
107.5°	207.0	180.4	153.8	180.4	207.0	213.6	383.2	609.1	722.1	845.2	1091.2
110°	221.4	197.4	173.4	197.4	221.4	227.4	380.2	584.0	685.9	823.4	1098.4



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	238.3	215.5	192.6	215.5	238.3	244.1	380.4	562.0	652.9	793.6	1075.0
115°	263.8	242.7	221.6	242.7	263.8	269.1	383.9	536.9	613.4	749.0	1020.1
117.5°	288.6	269.5	250.3	269.5	288.6	293.4	391.0	521.1	586.2	708.5	953.2
120°	303.0	285.0	266.9	285.0	303.0	307.6	396.8	515.8	575.3	687.1	910.7
122.5°	319.8	301.5	283.3	301.5	319.8	324.3	405.1	513.0	566.9	667.5	868.9
125°	341.5	324.9	308.4	324.9	341.5	345.7	416.4	510.7	557.8	643.4	814.4
127.5°	362.2	345.3	328.6	345.3	362.2	366.3	427.6	509.4	550.3	623.7	770.5
130°	375.6	357.5	339.5	357.5	375.6	380.1	435.8	510.2	547.4	612.8	743.5
132.5°	386.8	368.8	350.7	368.8	386.8	391.4	442.5	510.7	544.8	603.3	720.3
135°	400.4	383.9	367.5	383.9	400.4	404.4	449.8	510.2	540.5	589.5	687.4
137.5°	417.0	400.8	384.5	400.8	417.0	421.1	460.6	513.4	539.7	581.1	664.0
140°	428.6	413.6	398.6	413.6	428.6	432.4	467.3	513.9	537.2	572.9	644.5
142.5°	437.2	423.4	409.5	423.4	437.2	440.7	472.9	515.7	537.2	568.6	631.4
145°	450.3	438.3	426.2	438.3	450.3	453.4	480.1	515.8	533.6	559.3	610.7
147.5°	466.4	454.7	442.9	454.7	466.4	469.3	490.8	519.3	533.6	553.8	594.3
150°	475.0	464.4	453.7	464.4	475.0	477.7	496.4	521.2	533.6	550.7	584.8
152.5°	481.1	473.0	465.0	473.0	481.1	483.1	499.9	522.3	533.6	548.2	577.3
155°	493.7	487.6	481.7	487.6	493.7	495.1	508.0	525.1	533.6	545.2	568.4
157.5°	505.6	499.8	494.0	499.8	505.6	507.1	515.9	527.7	533.6	542.6	560.6
160°	511.4	506.9	502.4	506.9	511.4	512.5	519.6	528.9	533.6	541.4	556.8
162.5°	517.5	514.1	510.7	514.1	517.5	518.3	523.4	530.2	533.6	540.1	553.1
165°	525.8	522.8	519.7	522.8	525.8	526.6	529.0	532.0	533.6	538.3	547.6
167.5°	531.1	529.6	528.1	529.6	531.1	531.4	533.3	535.9	537.2	540.2	546.3
170°	536.5	535.0	533.6	535.0	536.5	536.8	536.9	537.1	537.2	540.2	546.3
172.5°	537.1	536.8	536.5	536.8	537.1	537.2	537.2	537.2	537.2	539.6	544.4
175°	540.5	540.5	540.5	540.5	540.5	540.5	539.4	537.9	537.2	538.7	541.8
177.5°	540.5	540.5	540.5	540.5	540.5	540.5	539.6	538.5	537.9	539.1	541.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	889.6	886.9	890.4	880.8	890.4	886.9	889.6	895.7	890.4	893.9	897.4
5°	780.6	776.2	762.2	750.9	762.2	776.2	780.6	798.9	807.6	823.3	844.2
7.5°	697.7	694.2	690.7	683.8	690.7	694.2	697.7	702.9	711.7	725.6	741.3
10°	679.4	680.3	685.5	684.6	685.5	680.3	679.4	677.7	675.0	677.7	687.2
12.5°	726.5	734.3	763.1	761.4	763.1	734.3	726.5	691.6	668.1	663.7	665.4
15°	780.6	783.2	789.3	790.2	789.3	783.2	780.6	766.6	696.0	665.4	655.9
17.5°	785.8	786.7	791.0	791.0	791.0	786.7	785.8	779.7	756.1	715.2	661.1
20°	781.4	783.2	791.9	793.6	791.9	783.2	781.4	773.6	760.5	745.7	704.7
22.5°	779.7	783.2	790.2	789.3	790.2	783.2	779.7	767.5	756.1	745.7	729.1
25°	771.0	771.0	771.8	772.7	771.8	771.0	771.0	761.4	738.7	736.1	726.5
27.5°	752.7	754.4	759.6	758.8	759.6	754.4	752.7	749.2	724.7	722.1	715.2
30°	736.1	734.3	730.0	726.5	730.0	734.3	736.1	730.9	706.4	699.5	701.2
32.5°	708.2	703.8	699.5	696.8	699.5	703.8	708.2	706.4	688.1	678.5	680.3
35°	675.0	675.9	675.0	672.4	675.0	675.9	675.0	676.8	665.4	656.7	655.9
37.5°	651.5	653.2	652.4	648.9	652.4	653.2	651.5	649.8	634.1	631.4	633.2
40°	627.1	628.0	627.1	624.5	627.1	628.0	627.1	623.6	601.8	602.7	608.8
42.5°	603.5	602.7	600.0	598.3	600.0	602.7	603.5	598.3	570.4	567.8	579.1
45°	576.5	577.4	572.1	569.5	572.1	577.4	576.5	573.0	544.2	537.3	545.1
47.5°	549.5	549.5	545.1	542.5	545.1	549.5	549.5	545.1	514.6	507.6	512.0
50°	520.7	519.8	513.7	512.8	513.7	519.8	520.7	518.1	485.8	479.7	479.7
52.5°	487.6	487.6	488.4	490.2	488.4	487.6	487.6	488.4	459.6	453.5	451.8
55°	458.8	459.6	465.8	467.5	465.8	459.6	458.8	458.8	432.6	426.5	423.0
57.5°	429.1	429.1	433.5	433.5	433.5	429.1	429.1	427.4	402.1	396.9	395.1
60°	395.1	396.9	400.4	399.5	400.4	396.9	395.1	393.4	371.6	368.1	362.0
62.5°	359.4	361.1	362.0	360.2	362.0	361.1	359.4	354.1	341.1	338.4	330.6
65°	321.9	323.6	324.5	322.7	324.5	323.6	321.9	319.3	309.6	305.2	298.2
67.5°	283.4	282.5	281.7	285.2	281.7	282.5	283.4	279.9	273.8	270.3	260.7
70°	244.2	244.2	243.3	245.0	243.3	244.2	244.2	241.6	238.1	235.4	226.7
72.5°	202.3	201.4	204.9	202.3	204.9	201.4	202.3	201.4	199.7	197.1	188.4
75°	161.3	163.1	161.3	163.9	161.3	163.1	161.3	162.2	161.3	159.6	153.5
77.5°	123.0	124.7	123.0	123.0	123.0	124.7	123.0	123.8	123.8	123.8	118.6
80°	87.2	86.3	86.3	85.5	86.3	86.3	87.2	87.2	88.1	86.3	84.6
82.5°	55.8	54.9	54.9	56.7	54.9	54.9	55.8	56.7	54.9	54.9	54.9
85°	30.5	31.4	29.6	29.6	29.6	31.4	30.5	28.8	30.5	30.5	29.6
87.5°	11.3	10.5	10.5	10.5	10.5	10.5	11.3	12.2	12.2	12.2	13.1
90°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.4	24.5	27.6	23.7
92.5°	68.9	66.2	55.2	44.2	55.2	66.2	68.9	97.7	136.0	155.2	136.3
95°	234.0	225.7	192.5	159.2	192.5	225.7	234.0	307.2	404.9	453.7	383.2
97.5°	540.1	524.3	461.0	397.9	461.0	524.3	540.1	586.4	648.1	679.0	561.4
100°	758.4	739.6	664.3	589.1	664.3	739.6	758.4	755.0	750.6	748.3	617.8
102.5°	944.8	928.7	864.3	799.8	864.3	928.7	944.8	885.9	807.2	767.9	635.5
105°	1162.5	1153.9	1119.2	1084.5	1119.2	1153.9	1162.5	1030.2	853.9	765.7	637.5
107.5°	1275.7	1277.8	1286.2	1294.5	1286.2	1277.8	1275.7	1091.2	845.2	722.1	609.1
110°	1304.7	1313.7	1349.8	1385.9	1349.8	1313.7	1304.7	1098.4	823.4	685.9	584.0



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1286.2	1300.0	1355.5	1411.0	1355.5	1300.0	1286.2	1075.0	793.6	652.9	562.0
115°	1223.5	1242.6	1319.6	1396.5	1319.6	1242.6	1223.5	1020.1	749.0	613.4	536.9
117.5°	1136.8	1158.1	1243.3	1328.6	1243.3	1158.1	1136.8	953.2	708.5	586.2	521.1
120°	1078.4	1099.1	1182.0	1264.8	1182.0	1099.1	1078.4	910.7	687.1	575.3	515.8
122.5°	1019.9	1040.3	1122.1	1203.8	1122.1	1040.3	1019.9	868.9	667.5	566.9	513.0
125°	942.7	961.5	1036.8	1112.1	1036.8	961.5	942.7	814.4	643.4	557.8	510.7
127.5°	880.7	896.5	960.1	1023.6	960.1	896.5	880.7	770.5	623.7	550.3	509.4
130°	841.5	856.2	914.9	973.5	914.9	856.2	841.5	743.5	612.8	547.4	510.2
132.5°	808.1	821.3	873.8	926.4	873.8	821.3	808.1	720.3	603.3	544.8	510.7
135°	760.9	772.3	817.5	862.9	817.5	772.3	760.9	687.4	589.5	540.5	510.2
137.5°	726.1	735.4	772.5	809.6	772.5	735.4	726.1	664.0	581.1	539.7	513.4
140°	698.2	706.9	741.6	776.2	741.6	706.9	698.2	644.5	572.9	537.2	513.9
142.5°	678.6	686.1	715.9	745.8	715.9	686.1	678.6	631.4	568.6	537.2	515.7
145°	649.2	654.9	677.5	700.1	677.5	654.9	649.2	610.7	559.3	533.6	515.8
147.5°	624.6	629.3	648.0	666.7	648.0	629.3	624.6	594.3	553.8	533.6	519.3
150°	610.4	614.2	629.3	644.5	629.3	614.2	610.4	584.8	550.7	533.6	521.2
152.5°	599.2	602.1	613.5	625.0	613.5	602.1	599.2	577.3	548.2	533.6	522.3
155°	585.7	587.7	595.3	602.8	595.3	587.7	585.7	568.4	545.2	533.6	525.1
157.5°	574.1	575.5	580.9	586.2	580.9	575.5	574.1	560.6	542.6	533.6	527.7
160°	568.4	569.2	572.2	575.3	572.2	569.2	568.4	556.8	541.4	533.6	528.9
162.5°	562.9	563.6	566.6	569.4	566.6	563.6	562.9	553.1	540.1	533.6	530.2
165°	554.6	555.4	558.5	561.5	558.5	555.4	554.6	547.6	538.3	533.6	532.0
167.5°	551.0	551.3	552.5	553.8	552.5	551.3	551.0	546.3	540.2	537.2	535.9
170°	551.0	551.0	551.0	551.0	551.0	551.0	551.0	546.3	540.2	537.2	537.1
172.5°	548.1	547.8	546.7	545.5	546.7	547.8	548.1	544.4	539.6	537.2	537.2
175°	544.1	544.1	544.1	544.1	544.1	544.1	544.1	541.8	538.7	537.2	537.9
177.5°	543.4	543.0	541.8	540.5	541.8	543.0	543.4	541.5	539.1	537.9	538.5
180°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	921.8	921.8	921.8	921.8	921.8
2.5°	910.5	914.9	917.5	921.0	929.7
5°	875.6	892.2	897.4	910.5	926.2
7.5°	798.9	849.4	863.4	894.8	919.2
10°	724.7	775.3	799.7	873.9	910.5
12.5°	687.2	716.9	733.5	837.2	898.3
15°	663.7	684.6	696.8	788.4	884.3
17.5°	645.4	660.2	668.9	740.4	865.1
20°	634.1	641.0	648.9	705.6	843.3
22.5°	626.2	621.8	628.0	681.1	813.7
25°	621.0	604.4	611.4	662.0	778.8
27.5°	625.3	588.7	591.3	644.5	742.2
30°	626.2	569.5	570.4	626.2	701.2
32.5°	620.1	549.5	550.3	603.5	655.0
35°	605.3	525.9	525.1	577.4	592.2
37.5°	585.2	500.6	500.6	548.6	523.3
40°	560.8	475.3	478.0	511.1	462.3
42.5°	531.2	448.3	451.8	461.4	416.9
45°	498.9	422.2	424.8	389.9	382.0
47.5°	463.1	395.1	396.0	323.6	370.7
50°	420.4	367.2	363.7	277.3	369.8
52.5°	382.9	336.7	326.2	251.1	335.8
55°	346.3	304.3	281.7	231.1	311.4
57.5°	314.0	262.5	240.7	207.5	306.1
60°	284.3	221.5	204.9	182.3	280.8
62.5°	259.9	191.0	187.5	164.8	254.6
65°	233.7	170.0	169.2	150.0	216.3
67.5°	208.4	156.1	155.2	136.0	164.8
70°	181.4	141.3	139.5	121.2	122.1
72.5°	153.5	124.7	123.0	109.0	101.2
75°	125.6	105.5	104.6	95.1	82.0
77.5°	98.5	83.7	85.5	76.7	60.2
80°	70.6	61.0	62.8	54.9	45.3
82.5°	47.1	40.1	41.9	34.9	30.5
85°	26.2	22.7	23.5	18.3	14.0
87.5°	12.2	10.5	10.5	7.0	4.4
90°	16.0	10.1	9.4	6.5	3.7
92.5°	98.5	70.0	63.8	39.2	14.5
95°	242.2	136.4	125.1	80.0	34.8
97.5°	326.2	149.8	139.9	100.0	60.2
100°	356.8	161.1	152.0	115.9	79.8
102.5°	370.9	172.3	163.9	130.2	96.4
105°	381.3	189.0	181.8	153.3	124.8
107.5°	383.2	213.6	207.0	180.4	153.8
110°	380.2	227.4	221.4	197.4	173.4



TEST NUMBER: P935132

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	380.4	244.1	238.3	215.5	192.6
115°	383.9	269.1	263.8	242.7	221.6
117.5°	391.0	293.4	288.6	269.5	250.3
120°	396.8	307.6	303.0	285.0	266.9
122.5°	405.1	324.3	319.8	301.5	283.3
125°	416.4	345.7	341.5	324.9	308.4
127.5°	427.6	366.3	362.2	345.3	328.6
130°	435.8	380.1	375.6	357.5	339.5
132.5°	442.5	391.4	386.8	368.8	350.7
135°	449.8	404.4	400.4	383.9	367.5
137.5°	460.6	421.1	417.0	400.8	384.5
140°	467.3	432.4	428.6	413.6	398.6
142.5°	472.9	440.7	437.2	423.4	409.5
145°	480.1	453.4	450.3	438.3	426.2
147.5°	490.8	469.3	466.4	454.7	442.9
150°	496.4	477.7	475.0	464.4	453.7
152.5°	499.9	483.1	481.1	473.0	465.0
155°	508.0	495.1	493.7	487.6	481.7
157.5°	515.9	507.1	505.6	499.8	494.0
160°	519.6	512.5	511.4	506.9	502.4
162.5°	523.4	518.3	517.5	514.1	510.7
165°	529.0	526.6	525.8	522.8	519.7
167.5°	533.3	531.4	531.1	529.6	528.1
170°	536.9	536.8	536.5	535.0	533.6
172.5°	537.2	537.2	537.1	536.8	536.5
175°	539.4	540.5	540.5	540.5	540.5
177.5°	539.6	540.5	540.5	540.5	540.5
180°	540.5	540.5	540.5	540.5	540.5



TEST NUMBER: P935132
 CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-4-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.31	12.09	12.35	13.14	14.54	14.11	14.89	15.14	15.93	17.33
	3H	11.78	12.48	12.83	13.53	14.95	15.44	16.14	16.48	17.19	18.61
	4H	11.97	12.63	13.03	13.69	15.11	15.87	16.54	16.93	17.59	19.01
	6H	12.09	12.70	13.15	13.75	15.19	16.15	16.76	17.21	17.81	19.25
	8H	12.08	12.67	13.16	13.74	15.17	16.21	16.80	17.28	17.87	19.30
	12H	12.05	12.61	13.13	13.67	15.13	16.25	16.80	17.32	17.86	19.32
4H	2H	12.33	12.99	13.39	14.04	15.47	14.51	15.17	15.57	16.23	17.65
	3H	13.35	13.90	14.42	14.98	16.42	16.00	16.55	17.07	17.63	19.07
	4H	13.62	14.13	14.70	15.20	16.66	16.52	17.02	17.59	18.09	19.56
	6H	13.74	14.18	14.83	15.27	16.72	16.87	17.31	17.96	18.40	19.85
	8H	13.74	14.15	14.83	15.24	16.71	16.97	17.38	18.06	18.46	19.93
	12H	13.71	14.08	14.81	15.17	16.65	17.02	17.39	18.12	18.49	19.96
8H	4H	14.06	14.47	15.15	15.55	17.02	16.64	17.04	17.72	18.13	19.60
	6H	14.32	14.66	15.43	15.78	17.25	17.06	17.40	18.17	18.52	19.99
	8H	14.36	14.66	15.48	15.77	17.25	17.21	17.50	18.32	18.61	20.10
	12H	14.34	14.60	15.46	15.71	17.23	17.30	17.56	18.41	18.66	20.19
12H	4H	14.06	14.43	15.17	15.53	17.01	16.60	16.96	17.70	18.06	19.54
	6H	14.38	14.67	15.49	15.78	17.27	17.06	17.35	18.17	18.46	19.95
	8H	14.44	14.70	15.56	15.81	17.33	17.21	17.47	18.33	18.58	20.10