

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: P934448

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934448
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

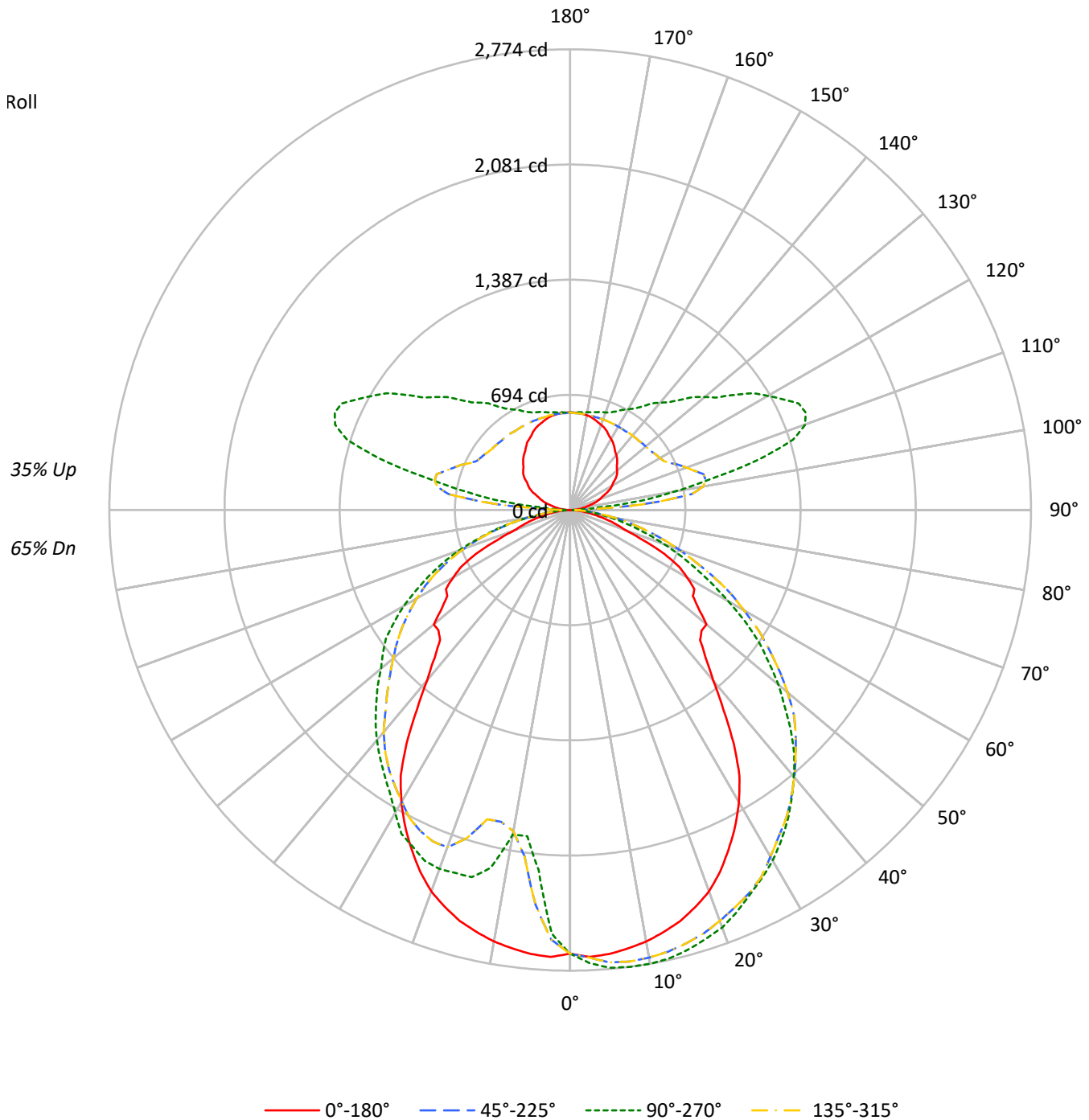
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10734.3 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90.4
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: P934448
CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

Luminous Intensity Polar Plot





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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65	65	65	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55	55	55	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46	46	46	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39	39	39	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33	33	33	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29	29	29	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25	25	25	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22	22	22	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20	20	20	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18	18	18	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12484	12508	12484	9835
10°	12400	12321	12400	8809
15°	12265	12054	12265	10066
20°	12009	11738	12009	10087
25°	11484	11277	11484	9873
30°	10805	10894	10805	9404
35°	9633	10410	9633	8888
40°	8026	9839	8026	8498
45°	7172	9172	7172	8050
50°	7619	8376	7619	7600
55°	7169	7518	7169	7341
60°	7390	6385	7390	6723
65°	6699	5279	6699	5900
70°	4639	4207	4639	4946
75°	4068	3110	4068	3723
80°	3278	2056	3278	2239
85°	1882	1089	1882	925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	2.2
10°-20°	684.5	6.4
20°-30°	1058.1	9.9
30°-40°	1263.2	11.8
40°-50°	1270.6	11.8
50°-60°	1105.5	10.3
60°-70°	783.8	7.3
70°-80°	414.7	3.9
80°-90°	105.5	1.0
90°-100°	286.3	2.7
100°-110°	752.6	7.0
110°-120°	780.4	7.3
120°-130°	626.0	5.8
130°-140°	491.2	4.6
140°-150°	377.0	3.5
150°-160°	271.5	2.5
160°-170°	166.1	1.5
170°-180°	56.1	0.5
0°-30°	1983.7	18.5
0°-40°	3246.8	30.2
0°-60°	5622.9	52.4
0°-90°	6927.0	64.5
90°-120°	1819.3	16.9
90°-150°	3313.5	30.9
90°-180°	3807.0	35.5
0°-180°	10734.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2683	2767	2683	2176	2683	255
15°	2562	2742	2562	2289	2562	721
25°	2256	2557	2256	2239	2256	1036
35°	1716	2282	1716	1948	1716	1061
45°	1107	1880	1107	1650	1107	887
55°	902	1387	902	1354	902	829
65°	627	836	627	935	627	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	4	15	4	15	4	5
95°	38	173	38	173	38	42
105°	136	1178	136	1178	136	144
115°	241	1518	241	1518	241	238
125°	335	1208	335	1208	335	297
135°	399	938	399	938	399	309
145°	463	761	463	761	463	290
155°	523	655	523	655	523	240
165°	565	610	565	610	565	159
175°	587	591	587	591	587	56
180°	587	587	587	587	587	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2693.5	2693.5	2708.6	2713.7	2713.7	2706.1	2698.6	2706.1	2728.9	2736.4	2733.9
5°	2683.4	2703.5	2731.4	2736.4	2741.5	2738.9	2733.9	2738.9	2764.3	2769.3	2771.8
7.5°	2663.2	2701.1	2736.4	2744.0	2751.6	2744.0	2741.5	2746.6	2771.8	2776.9	2776.9
10°	2637.8	2690.9	2731.4	2736.4	2744.0	2736.4	2736.4	2746.6	2771.8	2776.9	2779.4
12.5°	2602.5	2675.8	2713.7	2718.7	2728.9	2726.3	2723.8	2733.9	2759.2	2764.3	2764.3
15°	2562.1	2648.0	2683.4	2688.4	2706.1	2701.1	2701.1	2711.2	2738.9	2746.6	2744.0
17.5°	2506.5	2612.6	2653.1	2660.6	2673.2	2670.7	2673.2	2683.4	2708.6	2713.7	2716.3
20°	2443.4	2564.6	2612.6	2620.2	2632.9	2632.9	2632.9	2645.5	2670.7	2680.9	2680.9
22.5°	2357.4	2514.1	2564.6	2569.7	2584.8	2584.8	2589.8	2607.5	2630.3	2632.9	2632.9
25°	2256.3	2458.5	2501.4	2516.6	2531.8	2539.4	2546.9	2557.1	2564.6	2562.1	2564.6
27.5°	2150.2	2387.7	2443.4	2453.4	2473.7	2481.2	2491.4	2493.8	2496.4	2504.0	2498.9
30°	2031.4	2289.2	2372.6	2382.7	2415.5	2420.6	2410.5	2415.5	2428.2	2433.2	2438.3
32.5°	1897.6	2142.6	2299.4	2322.0	2352.3	2337.2	2334.6	2342.3	2362.5	2362.5	2367.5
35°	1715.6	2028.9	2231.1	2251.3	2274.0	2256.3	2266.5	2269.0	2281.7	2289.2	2286.6
37.5°	1516.0	1930.4	2160.3	2175.5	2193.2	2170.5	2185.6	2193.2	2203.3	2198.3	2198.3
40°	1339.1	1776.3	2076.9	2087.1	2102.2	2084.5	2099.7	2104.8	2109.8	2104.8	2102.2
42.5°	1207.8	1607.0	1988.5	2001.1	1991.1	2003.7	2008.8	2018.8	2011.3	2001.1	2001.1
45°	1106.7	1561.5	1892.5	1907.7	1892.5	1912.8	1920.3	1920.3	1897.6	1892.5	1890.0
47.5°	1073.9	1470.5	1796.5	1796.5	1788.9	1814.2	1826.8	1809.1	1786.4	1778.8	1778.8
50°	1071.3	1369.5	1665.1	1655.0	1690.4	1720.7	1708.0	1690.4	1672.7	1644.8	1644.8
52.5°	972.8	1245.6	1495.8	1533.7	1589.3	1607.0	1586.8	1569.1	1538.8	1526.2	1516.0
55°	902.1	1116.8	1341.7	1417.5	1475.6	1498.4	1460.4	1442.8	1397.3	1389.7	1384.7
57.5°	886.9	929.8	1200.2	1296.2	1367.0	1364.4	1341.7	1308.8	1271.0	1263.3	1260.8
60°	813.6	672.1	1048.6	1162.3	1235.6	1227.9	1207.8	1177.5	1142.1	1137.0	1131.9
62.5°	737.8	487.7	876.7	1005.6	1109.2	1106.7	1089.0	1043.5	1018.2	1005.6	995.5
65°	626.6	409.3	624.1	836.4	985.5	990.4	952.6	919.8	891.9	876.7	874.2
67.5°	477.5	333.5	422.0	697.4	866.7	861.6	813.6	798.4	763.0	755.5	740.3
70°	353.7	222.3	293.1	566.0	750.4	737.8	699.9	682.2	649.4	631.7	621.5
72.5°	293.1	179.4	214.8	439.7	631.7	616.6	583.7	563.5	535.7	520.5	510.4
75°	237.5	189.5	164.3	326.0	512.9	502.9	472.5	452.3	429.5	409.3	411.8
77.5°	174.3	176.9	131.4	240.0	406.8	391.7	374.0	348.7	338.6	318.4	318.4
80°	131.4	138.9	98.6	164.3	293.1	293.1	278.0	260.3	242.6	232.5	232.5
82.5°	88.4	88.4	73.2	103.6	199.7	192.0	182.0	176.9	166.8	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.1	103.6
87.5°	12.6	22.8	27.8	35.4	55.6	58.1	60.6	60.6	60.6	63.2	63.2
90°	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0	15.0	15.0
92.5°	15.8	42.6	69.4	76.1	107.0	148.1	168.7	147.8	106.1	74.9	71.9
95°	37.9	86.9	136.0	148.2	263.1	416.4	493.1	440.0	333.9	254.3	245.3
97.5°	65.4	108.6	151.9	162.7	354.5	610.1	737.9	704.3	637.2	586.9	569.7
100°	86.7	125.9	165.1	175.0	387.7	671.3	813.1	815.6	820.5	824.1	803.7
102.5°	104.9	141.5	178.0	187.2	402.9	690.7	834.5	877.2	962.7	1026.8	1009.3
105°	135.6	166.6	197.6	205.4	414.3	692.9	832.1	927.9	1119.6	1263.3	1253.9
107.5°	167.1	196.0	224.9	232.2	416.3	662.0	784.7	918.4	1185.8	1386.3	1388.6
110°	188.4	214.5	240.7	247.2	413.3	634.6	745.4	894.8	1193.6	1417.7	1427.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	209.3	234.2	259.0	265.2	413.4	610.8	709.5	862.4	1168.3	1397.7	1412.8
115°	240.9	263.8	286.8	292.5	417.2	583.5	666.6	813.9	1108.5	1329.5	1350.3
117.5°	271.9	292.8	313.6	318.9	424.9	566.3	636.9	769.9	1035.8	1235.3	1258.4
120°	290.1	309.7	329.4	334.3	431.2	560.5	625.2	746.6	989.6	1171.8	1194.3
122.5°	307.8	327.6	347.4	352.4	440.2	557.5	616.1	725.5	944.3	1108.4	1130.6
125°	335.1	353.0	371.1	375.6	452.5	555.0	606.2	699.2	885.1	1024.5	1044.9
127.5°	357.1	375.3	393.5	398.1	464.7	553.5	597.9	677.7	837.3	957.1	974.3
130°	368.9	388.5	408.2	413.1	473.6	554.4	594.8	665.8	807.9	914.4	930.4
132.5°	381.1	400.7	420.4	425.3	480.9	555.0	592.1	655.7	782.8	878.2	892.4
135°	399.3	417.2	435.0	439.5	488.7	554.4	587.3	640.6	747.1	826.9	839.3
137.5°	417.9	435.5	453.2	457.6	500.6	557.8	586.5	631.6	721.6	789.1	799.2
140°	433.2	449.5	465.8	469.9	507.8	558.4	583.8	622.7	700.4	758.7	768.1
142.5°	445.0	460.0	475.1	478.9	513.9	560.4	583.8	617.9	686.3	737.5	745.6
145°	463.2	476.3	489.5	492.7	521.8	560.5	579.8	607.8	663.7	705.6	711.7
147.5°	481.3	494.1	506.9	510.0	533.3	564.3	579.8	601.8	645.7	678.7	683.8
150°	493.1	504.7	516.2	519.1	539.4	566.4	579.8	598.4	635.6	663.4	667.5
152.5°	505.3	514.1	522.8	525.0	543.3	567.7	579.8	595.7	627.4	651.2	654.3
155°	523.4	529.9	536.4	538.0	552.0	570.6	579.8	592.5	617.6	636.5	638.6
157.5°	536.8	543.1	549.4	551.1	560.6	573.4	579.8	589.6	609.2	623.9	625.4
160°	545.9	550.9	555.7	557.0	564.6	574.8	579.8	588.2	605.0	617.6	618.5
162.5°	555.0	558.7	562.3	563.3	568.8	576.2	579.8	586.9	601.2	611.8	612.5
165°	564.8	568.2	571.4	572.3	574.8	578.1	579.8	584.9	595.0	602.7	603.5
167.5°	573.9	575.4	577.1	577.4	579.5	582.3	583.8	587.1	593.8	598.8	599.2
170°	579.8	581.4	583.0	583.4	583.5	583.7	583.8	587.1	593.8	598.8	598.8
172.5°	583.0	583.4	583.7	583.8	583.8	583.8	583.8	586.4	591.7	595.6	595.3
175°	587.3	587.3	587.3	587.3	586.1	584.5	583.8	585.4	588.7	591.2	591.2
177.5°	587.3	587.3	587.3	587.3	586.3	585.1	584.5	585.9	588.4	590.4	590.1
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2738.9	2731.4	2738.9	2733.9	2736.4	2728.9	2706.1	2698.6	2706.1	2713.7	2713.7
5°	2771.8	2766.7	2771.8	2771.8	2769.3	2764.3	2738.9	2733.9	2738.9	2741.5	2736.4
7.5°	2781.9	2774.3	2781.9	2776.9	2776.9	2771.8	2746.6	2741.5	2744.0	2751.6	2744.0
10°	2781.9	2774.3	2781.9	2779.4	2776.9	2771.8	2746.6	2736.4	2736.4	2744.0	2736.4
12.5°	2769.3	2764.3	2769.3	2764.3	2764.3	2759.2	2733.9	2723.8	2726.3	2728.9	2718.7
15°	2749.1	2741.5	2749.1	2744.0	2746.6	2738.9	2711.2	2701.1	2701.1	2706.1	2688.4
17.5°	2718.7	2708.6	2718.7	2716.3	2713.7	2708.6	2683.4	2673.2	2670.7	2673.2	2660.6
20°	2683.4	2675.8	2683.4	2680.9	2680.9	2670.7	2645.5	2632.9	2632.9	2632.9	2620.2
22.5°	2627.8	2620.2	2627.8	2632.9	2632.9	2630.3	2607.5	2589.8	2584.8	2584.8	2569.7
25°	2564.6	2557.1	2564.6	2564.6	2562.1	2564.6	2557.1	2546.9	2539.4	2531.8	2516.6
27.5°	2504.0	2498.9	2504.0	2498.9	2504.0	2496.4	2493.8	2491.4	2481.2	2473.7	2453.4
30°	2443.4	2438.3	2443.4	2438.3	2433.2	2428.2	2415.5	2410.5	2420.6	2415.5	2382.7
32.5°	2367.5	2362.5	2367.5	2367.5	2362.5	2362.5	2342.3	2334.6	2337.2	2352.3	2322.0
35°	2289.2	2281.7	2289.2	2286.6	2289.2	2281.7	2269.0	2266.5	2256.3	2274.0	2251.3
37.5°	2198.3	2190.6	2198.3	2198.3	2198.3	2203.3	2193.2	2185.6	2170.5	2193.2	2175.5
40°	2104.8	2094.6	2104.8	2102.2	2104.8	2109.8	2104.8	2099.7	2084.5	2102.2	2087.1
42.5°	1998.6	1996.1	1998.6	2001.1	2001.1	2011.3	2018.8	2008.8	2003.7	1991.1	2001.1
45°	1884.9	1879.9	1884.9	1890.0	1892.5	1897.6	1920.3	1920.3	1912.8	1892.5	1907.7
47.5°	1763.6	1751.0	1763.6	1778.8	1778.8	1786.4	1809.1	1826.8	1814.2	1788.9	1796.5
50°	1634.8	1637.3	1634.8	1644.8	1644.8	1672.7	1690.4	1708.0	1720.7	1690.4	1655.0
52.5°	1508.5	1505.9	1508.5	1516.0	1526.2	1538.8	1569.1	1586.8	1607.0	1589.3	1533.7
55°	1382.1	1387.1	1382.1	1384.7	1389.7	1397.3	1442.8	1460.4	1498.4	1475.6	1417.5
57.5°	1255.8	1248.2	1255.8	1260.8	1263.3	1271.0	1308.8	1341.7	1364.4	1367.0	1296.2
60°	1109.2	1099.1	1109.2	1131.9	1137.0	1142.1	1177.5	1207.8	1227.9	1235.6	1162.3
62.5°	980.4	962.7	980.4	995.5	1005.6	1018.2	1043.5	1089.0	1106.7	1109.2	1005.6
65°	843.9	836.4	843.9	874.2	876.7	891.9	919.8	952.6	990.4	985.5	836.4
67.5°	720.1	720.1	720.1	740.3	755.5	763.0	798.4	813.6	861.6	866.7	697.4
70°	606.4	603.9	606.4	621.5	631.7	649.4	682.2	699.9	737.8	750.4	566.0
72.5°	497.8	495.2	497.8	510.4	520.5	535.7	563.5	583.7	616.6	631.7	439.7
75°	401.8	396.7	401.8	411.8	409.3	429.5	452.3	472.5	502.9	512.9	326.0
77.5°	308.3	308.3	308.3	318.4	318.4	338.6	348.7	374.0	391.7	406.8	240.0
80°	230.0	227.4	230.0	232.5	232.5	242.6	260.3	278.0	293.1	293.1	164.3
82.5°	161.7	156.6	161.7	161.7	161.7	166.8	176.9	182.0	192.0	199.7	103.6
85°	101.1	101.1	101.1	103.6	101.1	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.6	35.4
90°	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7	17.3	11.0
92.5°	60.0	48.1	60.0	71.9	74.9	106.1	147.8	168.7	148.1	107.0	76.1
95°	209.1	173.1	209.1	245.3	254.3	333.9	440.0	493.1	416.4	263.1	148.2
97.5°	501.0	432.4	501.0	569.7	586.9	637.2	704.3	737.9	610.1	354.5	162.7
100°	721.9	640.1	721.9	803.7	824.1	820.5	815.6	813.1	671.3	387.7	175.0
102.5°	939.2	869.1	939.2	1009.3	1026.8	962.7	877.2	834.5	690.7	402.9	187.2
105°	1216.2	1178.5	1216.2	1253.9	1263.3	1119.6	927.9	832.1	692.9	414.3	205.4
107.5°	1397.7	1406.8	1397.7	1388.6	1386.3	1185.8	918.4	784.7	662.0	416.3	232.2
110°	1466.8	1506.1	1466.8	1427.6	1417.7	1193.6	894.8	745.4	634.6	413.3	247.2



TEST NUMBER: P934448

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1473.0	1533.3	1473.0	1412.8	1397.7	1168.3	862.4	709.5	610.8	413.4	265.2
115°	1433.9	1517.5	1433.9	1350.3	1329.5	1108.5	813.9	666.6	583.5	417.2	292.5
117.5°	1351.2	1443.9	1351.2	1258.4	1235.3	1035.8	769.9	636.9	566.3	424.9	318.9
120°	1284.4	1374.4	1284.4	1194.3	1171.8	989.6	746.6	625.2	560.5	431.2	334.3
122.5°	1219.4	1308.3	1219.4	1130.6	1108.4	944.3	725.5	616.1	557.5	440.2	352.4
125°	1126.7	1208.5	1126.7	1044.9	1024.5	885.1	699.2	606.2	555.0	452.5	375.6
127.5°	1043.3	1112.3	1043.3	974.3	957.1	837.3	677.7	597.9	553.5	464.7	398.1
130°	994.2	1057.9	994.2	930.4	914.4	807.9	665.8	594.8	554.4	473.6	413.1
132.5°	949.6	1006.7	949.6	892.4	878.2	782.8	655.7	592.1	555.0	480.9	425.3
135°	888.5	937.7	888.5	839.3	826.9	747.1	640.6	587.3	554.4	488.7	439.5
137.5°	839.5	879.8	839.5	799.2	789.1	721.6	631.6	586.5	557.8	500.6	457.6
140°	805.8	843.5	805.8	768.1	758.7	700.4	622.7	583.8	558.4	507.8	469.9
142.5°	778.0	810.4	778.0	745.6	737.5	686.3	617.9	583.8	560.4	513.9	478.9
145°	736.3	760.7	736.3	711.7	705.6	663.7	607.8	579.8	560.5	521.8	492.7
147.5°	704.1	724.5	704.1	683.8	678.7	645.7	601.8	579.8	564.3	533.3	510.0
150°	684.0	700.4	684.0	667.5	663.4	635.6	598.4	579.8	566.4	539.4	519.1
152.5°	666.8	679.2	666.8	654.3	651.2	627.4	595.7	579.8	567.7	543.3	525.0
155°	646.9	655.1	646.9	638.6	636.5	617.6	592.5	579.8	570.6	552.0	538.0
157.5°	631.2	636.9	631.2	625.4	623.9	609.2	589.6	579.8	573.4	560.6	551.1
160°	621.8	625.2	621.8	618.5	617.6	605.0	588.2	579.8	574.8	564.6	557.0
162.5°	615.7	618.8	615.7	612.5	611.8	601.2	586.9	579.8	576.2	568.8	563.3
165°	606.8	610.1	606.8	603.5	602.7	595.0	584.9	579.8	578.1	574.8	572.3
167.5°	600.5	601.9	600.5	599.2	598.8	593.8	587.1	583.8	582.3	579.5	577.4
170°	598.8	598.8	598.8	598.8	598.8	593.8	587.1	583.8	583.7	583.5	583.4
172.5°	594.1	592.8	594.1	595.3	595.6	591.7	586.4	583.8	583.8	583.8	583.8
175°	591.2	591.2	591.2	591.2	591.2	588.7	585.4	583.8	584.5	586.1	587.3
177.5°	588.7	587.3	588.7	590.1	590.4	588.4	585.9	584.5	585.1	586.3	587.3
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934448

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2708.6	2693.5	2693.5	2668.3	2658.1	2650.6	2637.8	2600.0	2589.8	2579.8	2594.9
5°	2731.4	2703.5	2683.4	2637.8	2600.0	2584.8	2536.8	2445.8	2385.2	2339.7	2314.5
7.5°	2736.4	2701.1	2663.2	2592.4	2501.4	2461.0	2314.5	2147.7	2102.2	2061.8	2036.5
10°	2731.4	2690.9	2637.8	2531.8	2317.0	2246.3	2099.7	1991.1	1963.3	1955.7	1963.3
12.5°	2713.7	2675.8	2602.5	2425.7	2124.9	2076.9	1991.1	1927.9	1922.8	1935.4	2003.7
15°	2683.4	2648.0	2562.1	2284.2	2018.8	1983.4	1922.8	1900.1	1927.9	2016.3	2220.9
17.5°	2653.1	2612.6	2506.5	2145.2	1938.0	1912.8	1869.7	1915.3	2071.9	2190.6	2258.9
20°	2612.6	2564.6	2443.4	2044.1	1879.9	1857.1	1836.9	2041.6	2160.3	2203.3	2241.2
22.5°	2564.6	2514.1	2357.4	1973.4	1819.3	1801.6	1814.2	2112.3	2160.3	2190.6	2223.5
25°	2501.4	2458.5	2256.3	1917.7	1771.3	1751.0	1799.0	2104.8	2132.5	2140.2	2205.8
27.5°	2443.4	2387.7	2150.2	1867.3	1713.1	1705.6	1811.7	2071.9	2092.2	2099.7	2170.5
30°	2372.6	2289.2	2031.4	1814.2	1652.5	1649.9	1814.2	2031.4	2026.5	2046.6	2117.4
32.5°	2299.4	2142.6	1897.6	1748.5	1594.4	1591.9	1796.5	1970.8	1965.7	1993.6	2046.6
35°	2231.1	2028.9	1715.6	1672.7	1521.1	1523.6	1753.6	1900.1	1902.6	1927.9	1960.8
37.5°	2160.3	1930.4	1516.0	1589.3	1450.4	1450.4	1695.4	1834.4	1829.4	1836.9	1882.4
40°	2076.9	1776.3	1339.1	1480.7	1384.7	1377.0	1624.7	1763.6	1745.9	1743.4	1806.6
42.5°	1988.5	1607.0	1207.8	1336.7	1308.8	1298.7	1538.8	1677.7	1644.8	1652.5	1733.3
45°	1892.5	1561.5	1106.7	1129.5	1230.5	1223.0	1445.3	1579.2	1556.5	1576.7	1660.0
47.5°	1796.5	1470.5	1073.9	937.5	1147.1	1144.6	1341.7	1483.2	1470.5	1490.8	1579.2
50°	1665.1	1369.5	1071.3	803.5	1053.6	1063.8	1217.9	1389.7	1389.7	1407.4	1500.8
52.5°	1495.8	1245.6	972.8	727.7	945.0	975.3	1109.2	1308.8	1313.9	1331.6	1415.0
55°	1341.7	1116.8	902.1	669.6	816.1	881.8	1003.1	1225.5	1235.6	1253.3	1329.0
57.5°	1200.2	929.8	886.9	601.3	697.4	760.6	909.6	1144.6	1149.6	1164.8	1238.1
60°	1048.6	672.1	813.6	528.1	593.8	641.8	823.7	1048.6	1066.3	1076.4	1139.6
62.5°	876.7	487.7	737.8	477.5	543.2	553.3	753.0	957.6	980.4	987.9	1025.8
65°	624.1	409.3	626.6	434.6	490.1	492.7	677.2	864.1	884.4	897.0	924.7
67.5°	422.0	333.5	477.5	394.1	449.8	452.3	603.9	755.5	783.3	793.4	811.0
70°	293.1	222.3	353.7	351.2	404.3	409.3	525.5	656.9	682.2	689.8	699.9
72.5°	214.8	179.4	293.1	315.8	356.3	361.3	444.7	545.8	571.0	578.6	583.7
75°	164.3	189.5	237.5	275.4	303.2	305.7	363.8	444.7	462.4	467.5	470.0
77.5°	131.4	176.9	174.3	222.3	247.7	242.6	285.5	343.7	358.8	358.8	358.8
80°	98.6	138.9	131.4	159.2	182.0	176.9	204.6	245.1	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.1	121.2	116.3	136.4	159.2	159.2	159.2	164.3
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.9	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
90°	10.2	7.1	3.9	7.1	10.2	11.0	17.3	25.7	29.9	26.6	20.0
92.5°	69.4	42.6	15.8	42.6	69.4	76.1	107.0	148.1	168.7	147.8	106.1
95°	136.0	86.9	37.9	86.9	136.0	148.2	263.1	416.4	493.1	440.0	333.9
97.5°	151.9	108.6	65.4	108.6	151.9	162.7	354.5	610.1	737.9	704.3	637.2
100°	165.1	125.9	86.7	125.9	165.1	175.0	387.7	671.3	813.1	815.6	820.5
102.5°	178.0	141.5	104.9	141.5	178.0	187.2	402.9	690.7	834.5	877.2	962.7
105°	197.6	166.6	135.6	166.6	197.6	205.4	414.3	692.9	832.1	927.9	1119.6
107.5°	224.9	196.0	167.1	196.0	224.9	232.2	416.3	662.0	784.7	918.4	1185.8
110°	240.7	214.5	188.4	214.5	240.7	247.2	413.3	634.6	745.4	894.8	1193.6



TEST NUMBER: P934448

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	259.0	234.2	209.3	234.2	259.0	265.2	413.4	610.8	709.5	862.4	1168.3
115°	286.8	263.8	240.9	263.8	286.8	292.5	417.2	583.5	666.6	813.9	1108.5
117.5°	313.6	292.8	271.9	292.8	313.6	318.9	424.9	566.3	636.9	769.9	1035.8
120°	329.4	309.7	290.1	309.7	329.4	334.3	431.2	560.5	625.2	746.6	989.6
122.5°	347.4	327.6	307.8	327.6	347.4	352.4	440.2	557.5	616.1	725.5	944.3
125°	371.1	353.0	335.1	353.0	371.1	375.6	452.5	555.0	606.2	699.2	885.1
127.5°	393.5	375.3	357.1	375.3	393.5	398.1	464.7	553.5	597.9	677.7	837.3
130°	408.2	388.5	368.9	388.5	408.2	413.1	473.6	554.4	594.8	665.8	807.9
132.5°	420.4	400.7	381.1	400.7	420.4	425.3	480.9	555.0	592.1	655.7	782.8
135°	435.0	417.2	399.3	417.2	435.0	439.5	488.7	554.4	587.3	640.6	747.1
137.5°	453.2	435.5	417.9	435.5	453.2	457.6	500.6	557.8	586.5	631.6	721.6
140°	465.8	449.5	433.2	449.5	465.8	469.9	507.8	558.4	583.8	622.7	700.4
142.5°	475.1	460.0	445.0	460.0	475.1	478.9	513.9	560.4	583.8	617.9	686.3
145°	489.5	476.3	463.2	476.3	489.5	492.7	521.8	560.5	579.8	607.8	663.7
147.5°	506.9	494.1	481.3	494.1	506.9	510.0	533.3	564.3	579.8	601.8	645.7
150°	516.2	504.7	493.1	504.7	516.2	519.1	539.4	566.4	579.8	598.4	635.6
152.5°	522.8	514.1	505.3	514.1	522.8	525.0	543.3	567.7	579.8	595.7	627.4
155°	536.4	529.9	523.4	529.9	536.4	538.0	552.0	570.6	579.8	592.5	617.6
157.5°	549.4	543.1	536.8	543.1	549.4	551.1	560.6	573.4	579.8	589.6	609.2
160°	555.7	550.9	545.9	550.9	555.7	557.0	564.6	574.8	579.8	588.2	605.0
162.5°	562.3	558.7	555.0	558.7	562.3	563.3	568.8	576.2	579.8	586.9	601.2
165°	571.4	568.2	564.8	568.2	571.4	572.3	574.8	578.1	579.8	584.9	595.0
167.5°	577.1	575.4	573.9	575.4	577.1	577.4	579.5	582.3	583.8	587.1	593.8
170°	583.0	581.4	579.8	581.4	583.0	583.4	583.5	583.7	583.8	587.1	593.8
172.5°	583.7	583.4	583.0	583.4	583.7	583.8	583.8	583.8	583.8	586.4	591.7
175°	587.3	587.3	587.3	587.3	587.3	587.3	586.1	584.5	583.8	585.4	588.7
177.5°	587.3	587.3	587.3	587.3	587.3	587.3	586.3	585.1	584.5	585.9	588.4
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



TEST NUMBER: P934448

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2577.2	2569.7	2579.8	2552.0	2579.8	2569.7	2577.2	2594.9	2579.8	2589.8	2600.0
5°	2261.4	2248.8	2208.3	2175.5	2208.3	2248.8	2261.4	2314.5	2339.7	2385.2	2445.8
7.5°	2021.4	2011.3	2001.1	1980.9	2001.1	2011.3	2021.4	2036.5	2061.8	2102.2	2147.7
10°	1968.3	1970.8	1986.0	1983.4	1986.0	1970.8	1968.3	1963.3	1955.7	1963.3	1991.1
12.5°	2104.8	2127.5	2210.9	2205.8	2210.9	2127.5	2104.8	2003.7	1935.4	1922.8	1927.9
15°	2261.4	2269.0	2286.6	2289.2	2286.6	2269.0	2261.4	2220.9	2016.3	1927.9	1900.1
17.5°	2276.6	2279.1	2291.7	2291.7	2291.7	2279.1	2276.6	2258.9	2190.6	2071.9	1915.3
20°	2264.0	2269.0	2294.3	2299.4	2294.3	2269.0	2264.0	2241.2	2203.3	2160.3	2041.6
22.5°	2258.9	2269.0	2289.2	2286.6	2289.2	2269.0	2258.9	2223.5	2190.6	2160.3	2112.3
25°	2233.6	2233.6	2236.2	2238.6	2236.2	2233.6	2233.6	2205.8	2140.2	2132.5	2104.8
27.5°	2180.6	2185.6	2200.8	2198.3	2200.8	2185.6	2180.6	2170.5	2099.7	2092.2	2071.9
30°	2132.5	2127.5	2114.8	2104.8	2114.8	2127.5	2132.5	2117.4	2046.6	2026.5	2031.4
32.5°	2051.7	2039.1	2026.5	2018.8	2026.5	2039.1	2051.7	2046.6	1993.6	1965.7	1970.8
35°	1955.7	1958.2	1955.7	1948.1	1955.7	1958.2	1955.7	1960.8	1927.9	1902.6	1900.1
37.5°	1887.4	1892.5	1890.0	1879.9	1890.0	1892.5	1887.4	1882.4	1836.9	1829.4	1834.4
40°	1816.7	1819.3	1816.7	1809.1	1816.7	1819.3	1816.7	1806.6	1743.4	1745.9	1763.6
42.5°	1748.5	1745.9	1738.4	1733.3	1738.4	1745.9	1748.5	1733.3	1652.5	1644.8	1677.7
45°	1670.2	1672.7	1657.6	1649.9	1657.6	1672.7	1670.2	1660.0	1576.7	1556.5	1579.2
47.5°	1591.9	1591.9	1579.2	1571.6	1579.2	1591.9	1591.9	1579.2	1490.8	1470.5	1483.2
50°	1508.5	1505.9	1488.2	1485.7	1488.2	1505.9	1508.5	1500.8	1407.4	1389.7	1389.7
52.5°	1412.4	1412.4	1415.0	1420.0	1415.0	1412.4	1412.4	1415.0	1331.6	1313.9	1308.8
55°	1329.0	1331.6	1349.3	1354.4	1349.3	1331.6	1329.0	1329.0	1253.3	1235.6	1225.5
57.5°	1243.1	1243.1	1255.8	1255.8	1255.8	1243.1	1243.1	1238.1	1164.8	1149.6	1144.6
60°	1144.6	1149.6	1159.8	1157.3	1159.8	1149.6	1144.6	1139.6	1076.4	1066.3	1048.6
62.5°	1041.0	1046.1	1048.6	1043.5	1048.6	1046.1	1041.0	1025.8	987.9	980.4	957.6
65°	932.4	937.5	939.9	934.9	939.9	937.5	932.4	924.7	897.0	884.4	864.1
67.5°	821.2	818.7	816.1	826.2	816.1	818.7	821.2	811.0	793.4	783.3	755.5
70°	707.5	707.5	704.9	710.0	704.9	707.5	707.5	699.9	689.8	682.2	656.9
72.5°	586.2	583.7	593.8	586.2	593.8	583.7	586.2	583.7	578.6	571.0	545.8
75°	467.5	472.5	467.5	475.0	467.5	472.5	467.5	470.0	467.5	462.4	444.7
77.5°	356.3	361.3	356.3	356.3	356.3	361.3	356.3	358.8	358.8	358.8	343.7
80°	252.6	250.1	250.1	247.7	250.1	250.1	252.6	252.6	255.2	250.1	245.1
82.5°	161.7	159.2	159.2	164.3	159.2	159.2	161.7	164.3	159.2	159.2	159.2
85°	88.4	90.9	85.9	85.9	85.9	90.9	88.4	83.4	88.4	88.4	85.9
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
90°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	20.0	26.6	29.9	25.7
92.5°	74.9	71.9	60.0	48.1	60.0	71.9	74.9	106.1	147.8	168.7	148.1
95°	254.3	245.3	209.1	173.1	209.1	245.3	254.3	333.9	440.0	493.1	416.4
97.5°	586.9	569.7	501.0	432.4	501.0	569.7	586.9	637.2	704.3	737.9	610.1
100°	824.1	803.7	721.9	640.1	721.9	803.7	824.1	820.5	815.6	813.1	671.3
102.5°	1026.8	1009.3	939.2	869.1	939.2	1009.3	1026.8	962.7	877.2	834.5	690.7
105°	1263.3	1253.9	1216.2	1178.5	1216.2	1253.9	1263.3	1119.6	927.9	832.1	692.9
107.5°	1386.3	1388.6	1397.7	1406.8	1397.7	1388.6	1386.3	1185.8	918.4	784.7	662.0
110°	1417.7	1427.6	1466.8	1506.1	1466.8	1427.6	1417.7	1193.6	894.8	745.4	634.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1397.7	1412.8	1473.0	1533.3	1473.0	1412.8	1397.7	1168.3	862.4	709.5	610.8
115°	1329.5	1350.3	1433.9	1517.5	1433.9	1350.3	1329.5	1108.5	813.9	666.6	583.5
117.5°	1235.3	1258.4	1351.2	1443.9	1351.2	1258.4	1235.3	1035.8	769.9	636.9	566.3
120°	1171.8	1194.3	1284.4	1374.4	1284.4	1194.3	1171.8	989.6	746.6	625.2	560.5
122.5°	1108.4	1130.6	1219.4	1308.3	1219.4	1130.6	1108.4	944.3	725.5	616.1	557.5
125°	1024.5	1044.9	1126.7	1208.5	1126.7	1044.9	1024.5	885.1	699.2	606.2	555.0
127.5°	957.1	974.3	1043.3	1112.3	1043.3	974.3	957.1	837.3	677.7	597.9	553.5
130°	914.4	930.4	994.2	1057.9	994.2	930.4	914.4	807.9	665.8	594.8	554.4
132.5°	878.2	892.4	949.6	1006.7	949.6	892.4	878.2	782.8	655.7	592.1	555.0
135°	826.9	839.3	888.5	937.7	888.5	839.3	826.9	747.1	640.6	587.3	554.4
137.5°	789.1	799.2	839.5	879.8	839.5	799.2	789.1	721.6	631.6	586.5	557.8
140°	758.7	768.1	805.8	843.5	805.8	768.1	758.7	700.4	622.7	583.8	558.4
142.5°	737.5	745.6	778.0	810.4	778.0	745.6	737.5	686.3	617.9	583.8	560.4
145°	705.6	711.7	736.3	760.7	736.3	711.7	705.6	663.7	607.8	579.8	560.5
147.5°	678.7	683.8	704.1	724.5	704.1	683.8	678.7	645.7	601.8	579.8	564.3
150°	663.4	667.5	684.0	700.4	684.0	667.5	663.4	635.6	598.4	579.8	566.4
152.5°	651.2	654.3	666.8	679.2	666.8	654.3	651.2	627.4	595.7	579.8	567.7
155°	636.5	638.6	646.9	655.1	646.9	638.6	636.5	617.6	592.5	579.8	570.6
157.5°	623.9	625.4	631.2	636.9	631.2	625.4	623.9	609.2	589.6	579.8	573.4
160°	617.6	618.5	621.8	625.2	621.8	618.5	617.6	605.0	588.2	579.8	574.8
162.5°	611.8	612.5	615.7	618.8	615.7	612.5	611.8	601.2	586.9	579.8	576.2
165°	602.7	603.5	606.8	610.1	606.8	603.5	602.7	595.0	584.9	579.8	578.1
167.5°	598.8	599.2	600.5	601.9	600.5	599.2	598.8	593.8	587.1	583.8	582.3
170°	598.8	598.8	598.8	598.8	598.8	598.8	598.8	593.8	587.1	583.8	583.7
172.5°	595.6	595.3	594.1	592.8	594.1	595.3	595.6	591.7	586.4	583.8	583.8
175°	591.2	591.2	591.2	591.2	591.2	591.2	591.2	588.7	585.4	583.8	584.5
177.5°	590.4	590.1	588.7	587.3	588.7	590.1	590.4	588.4	585.9	584.5	585.1
180°	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3	587.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2637.8	2650.6	2658.1	2668.3	2693.5
5°	2536.8	2584.8	2600.0	2637.8	2683.4
7.5°	2314.5	2461.0	2501.4	2592.4	2663.2
10°	2099.7	2246.3	2317.0	2531.8	2637.8
12.5°	1991.1	2076.9	2124.9	2425.7	2602.5
15°	1922.8	1983.4	2018.8	2284.2	2562.1
17.5°	1869.7	1912.8	1938.0	2145.2	2506.5
20°	1836.9	1857.1	1879.9	2044.1	2443.4
22.5°	1814.2	1801.6	1819.3	1973.4	2357.4
25°	1799.0	1751.0	1771.3	1917.7	2256.3
27.5°	1811.7	1705.6	1713.1	1867.3	2150.2
30°	1814.2	1649.9	1652.5	1814.2	2031.4
32.5°	1796.5	1591.9	1594.4	1748.5	1897.6
35°	1753.6	1523.6	1521.1	1672.7	1715.6
37.5°	1695.4	1450.4	1450.4	1589.3	1516.0
40°	1624.7	1377.0	1384.7	1480.7	1339.1
42.5°	1538.8	1298.7	1308.8	1336.7	1207.8
45°	1445.3	1223.0	1230.5	1129.5	1106.7
47.5°	1341.7	1144.6	1147.1	937.5	1073.9
50°	1217.9	1063.8	1053.6	803.5	1071.3
52.5°	1109.2	975.3	945.0	727.7	972.8
55°	1003.1	881.8	816.1	669.6	902.1
57.5°	909.6	760.6	697.4	601.3	886.9
60°	823.7	641.8	593.8	528.1	813.6
62.5°	753.0	553.3	543.2	477.5	737.8
65°	677.2	492.7	490.1	434.6	626.6
67.5°	603.9	452.3	449.8	394.1	477.5
70°	525.5	409.3	404.3	351.2	353.7
72.5°	444.7	361.3	356.3	315.8	293.1
75°	363.8	305.7	303.2	275.4	237.5
77.5°	285.5	242.6	247.7	222.3	174.3
80°	204.6	176.9	182.0	159.2	131.4
82.5°	136.4	116.3	121.2	101.1	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	17.3	11.0	10.2	7.1	3.9
92.5°	107.0	76.1	69.4	42.6	15.8
95°	263.1	148.2	136.0	86.9	37.9
97.5°	354.5	162.7	151.9	108.6	65.4
100°	387.7	175.0	165.1	125.9	86.7
102.5°	402.9	187.2	178.0	141.5	104.9
105°	414.3	205.4	197.6	166.6	135.6
107.5°	416.3	232.2	224.9	196.0	167.1
110°	413.3	247.2	240.7	214.5	188.4



TEST NUMBER: P934448

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	413.4	265.2	259.0	234.2	209.3
115°	417.2	292.5	286.8	263.8	240.9
117.5°	424.9	318.9	313.6	292.8	271.9
120°	431.2	334.3	329.4	309.7	290.1
122.5°	440.2	352.4	347.4	327.6	307.8
125°	452.5	375.6	371.1	353.0	335.1
127.5°	464.7	398.1	393.5	375.3	357.1
130°	473.6	413.1	408.2	388.5	368.9
132.5°	480.9	425.3	420.4	400.7	381.1
135°	488.7	439.5	435.0	417.2	399.3
137.5°	500.6	457.6	453.2	435.5	417.9
140°	507.8	469.9	465.8	449.5	433.2
142.5°	513.9	478.9	475.1	460.0	445.0
145°	521.8	492.7	489.5	476.3	463.2
147.5°	533.3	510.0	506.9	494.1	481.3
150°	539.4	519.1	516.2	504.7	493.1
152.5°	543.3	525.0	522.8	514.1	505.3
155°	552.0	538.0	536.4	529.9	523.4
157.5°	560.6	551.1	549.4	543.1	536.8
160°	564.6	557.0	555.7	550.9	545.9
162.5°	568.8	563.3	562.3	558.7	555.0
165°	574.8	572.3	571.4	568.2	564.8
167.5°	579.5	577.4	577.1	575.4	573.9
170°	583.5	583.4	583.0	581.4	579.8
172.5°	583.8	583.8	583.7	583.4	583.0
175°	586.1	587.3	587.3	587.3	587.3
177.5°	586.3	587.3	587.3	587.3	587.3
180°	587.3	587.3	587.3	587.3	587.3



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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	14.80	15.80	15.62	16.65	17.70	17.63	18.64	18.45	19.49	20.53
	3H	15.28	16.19	16.12	17.04	18.12	18.99	19.90	19.83	20.75	21.83
	4H	15.48	16.34	16.33	17.20	18.28	19.44	20.30	20.30	21.16	22.25
	6H	15.61	16.40	16.47	17.26	18.36	19.74	20.53	20.60	21.40	22.49
	8H	15.61	16.36	16.49	17.25	18.35	19.82	20.57	20.69	21.46	22.56
	12H	15.59	16.30	16.47	17.18	18.31	19.86	20.58	20.74	21.46	22.58
4H	2H	15.85	16.70	16.70	17.56	18.65	18.06	18.91	18.92	19.78	20.86
	3H	16.89	17.60	17.76	18.49	19.60	19.58	20.29	20.45	21.19	22.29
	4H	17.17	17.82	18.05	18.71	19.84	20.12	20.77	21.00	21.66	22.78
	6H	17.30	17.86	18.20	18.78	19.91	20.49	21.05	21.39	21.97	23.10
	8H	17.31	17.84	18.21	18.75	19.89	20.60	21.13	21.50	22.04	23.18
	12H	17.29	17.76	18.20	18.69	19.84	20.67	21.14	21.59	22.07	23.22
8H	4H	17.64	18.16	18.54	19.07	20.21	20.25	20.78	21.15	21.69	22.83
	6H	17.90	18.34	18.83	19.29	20.43	20.70	21.13	21.62	22.08	23.23
	8H	17.95	18.33	18.88	19.28	20.44	20.85	21.24	21.79	22.18	23.34
	12H	17.94	18.28	18.88	19.21	20.42	20.96	21.30	21.90	22.23	23.44
12H	4H	17.65	18.12	18.57	19.05	20.20	20.22	20.70	21.14	21.62	22.77
	6H	17.97	18.35	18.90	19.29	20.45	20.70	21.08	21.63	22.02	23.18
	8H	18.04	18.38	18.98	19.31	20.53	20.87	21.20	21.80	22.14	23.35