

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: P934493

Luminaire Tested: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934493
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-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

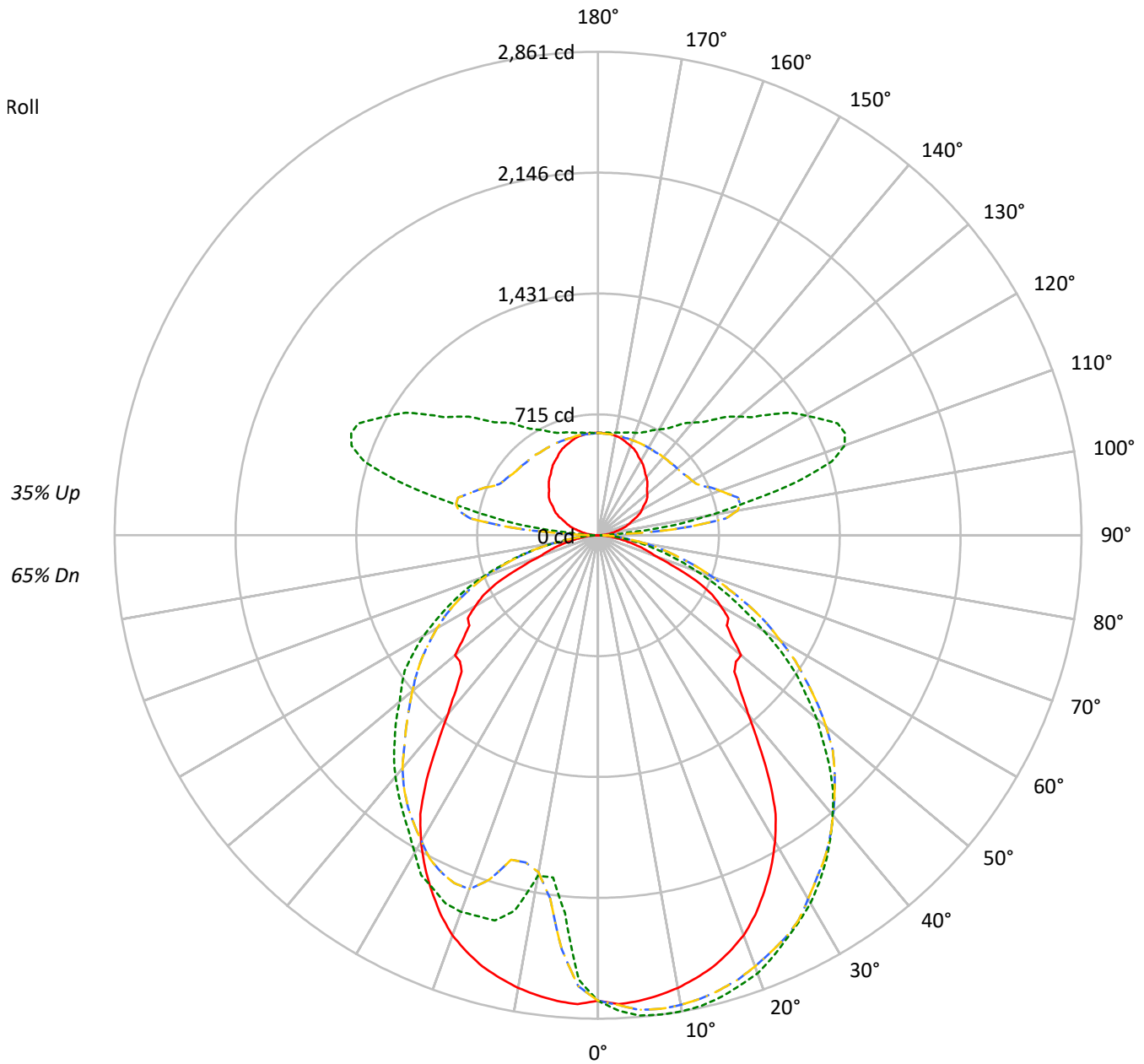
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11068.8 lumens
Efficiency: N/A
Efficacy: 122.4 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: P934493
CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12778	12778	12778	12778
5°	12873	12898	12873	10142
10°	12787	12705	12787	9084
15°	12648	12430	12648	10380
20°	12383	12104	12383	10401
25°	11842	11629	11842	10180
30°	11142	11234	11142	9697
35°	9933	10734	9933	9165
40°	8277	10146	8277	8763
45°	7395	9458	7395	8301
50°	7857	8637	7857	7837
55°	7392	7753	7392	7569
60°	7620	6584	7620	6933
65°	6908	5443	6908	6084
70°	4783	4338	4783	5100
75°	4194	3207	4194	3839
80°	3381	2120	3381	2309
85°	1942	1123	1942	953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11335 cd/sqm



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	2.2
10°-20°	705.8	6.4
20°-30°	1091.1	9.9
30°-40°	1302.5	11.8
40°-50°	1310.2	11.8
50°-60°	1140.0	10.3
60°-70°	808.3	7.3
70°-80°	427.6	3.9
80°-90°	108.8	1.0
90°-100°	295.2	2.7
100°-110°	776.1	7.0
110°-120°	804.7	7.3
120°-130°	645.5	5.8
130°-140°	506.5	4.6
140°-150°	388.8	3.5
150°-160°	280.0	2.5
160°-170°	171.3	1.5
170°-180°	57.9	0.5
0°-30°	2045.5	18.5
0°-40°	3348.0	30.2
0°-60°	5798.2	52.4
0°-90°	7142.9	64.5
90°-120°	1876.0	16.9
90°-150°	3416.8	30.9
90°-180°	3926.0	35.5
0°-180°	11068.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2767	2853	2767	2243	2767	262
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2308	2327	1068
35°	1769	2353	1769	2009	1769	1094
45°	1141	1938	1141	1701	1141	914
55°	930	1430	930	1397	930	855
65°	646	862	646	964	646	618
75°	245	409	245	490	245	257
85°	42	104	42	88	42	56
90°	4	16	4	16	4	5
95°	39	178	39	178	39	43
105°	140	1215	140	1215	140	148
115°	248	1565	248	1565	248	245
125°	346	1246	346	1246	346	307
135°	412	967	412	967	412	319
145°	478	784	478	784	478	299
155°	540	676	540	676	540	248
165°	582	629	582	629	582	164
175°	606	610	606	610	606	57
180°	606	606	606	606	606	



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2777.5	2777.5	2793.0	2798.3	2798.3	2790.5	2782.7	2790.5	2813.9	2821.7	2819.2
5°	2767.0	2787.8	2816.5	2821.7	2827.0	2824.3	2819.2	2824.3	2850.4	2855.7	2858.2
7.5°	2746.2	2785.3	2821.7	2829.5	2837.4	2829.5	2827.0	2832.2	2858.2	2863.4	2863.4
10°	2720.1	2774.8	2816.5	2821.7	2829.5	2821.7	2821.7	2832.2	2858.2	2863.4	2866.0
12.5°	2683.6	2759.2	2798.3	2803.5	2813.9	2811.3	2808.7	2819.2	2845.2	2850.4	2850.4
15°	2642.0	2730.5	2767.0	2772.2	2790.5	2785.3	2785.3	2795.7	2824.3	2832.2	2829.5
17.5°	2584.6	2694.0	2735.8	2743.5	2756.6	2754.0	2756.6	2767.0	2793.0	2798.3	2800.9
20°	2519.5	2644.6	2694.0	2701.8	2715.0	2715.0	2715.0	2728.0	2754.0	2764.4	2764.4
22.5°	2430.9	2592.5	2644.6	2649.8	2665.4	2665.4	2670.6	2688.8	2712.3	2715.0	2715.0
25°	2326.7	2535.1	2579.4	2595.1	2610.7	2618.5	2626.3	2636.8	2644.6	2642.0	2644.6
27.5°	2217.2	2462.1	2519.5	2529.9	2550.8	2558.6	2569.0	2571.6	2574.2	2582.0	2576.8
30°	2094.8	2360.6	2446.6	2457.0	2490.8	2496.1	2485.6	2490.8	2503.8	2509.1	2514.3
32.5°	1956.7	2209.4	2371.0	2394.4	2425.7	2410.1	2407.4	2415.3	2436.1	2436.1	2441.3
35°	1769.1	2092.2	2300.6	2321.4	2344.9	2326.7	2337.1	2339.7	2352.8	2360.6	2357.9
37.5°	1563.3	1990.5	2227.7	2243.3	2261.6	2238.1	2253.7	2261.6	2271.9	2266.8	2266.8
40°	1380.9	1831.7	2141.7	2152.1	2167.7	2149.5	2165.2	2170.4	2175.6	2170.4	2167.7
42.5°	1245.4	1657.1	2050.5	2063.5	2053.1	2066.2	2071.4	2081.7	2074.0	2063.5	2063.5
45°	1141.2	1610.1	1951.5	1967.2	1951.5	1972.4	1980.2	1980.2	1956.7	1951.5	1948.9
47.5°	1107.4	1516.4	1852.5	1852.5	1844.7	1870.7	1883.8	1865.5	1842.0	1834.3	1834.3
50°	1104.7	1412.1	1717.0	1706.6	1743.1	1774.3	1761.3	1743.1	1724.8	1696.1	1696.1
52.5°	1003.2	1284.5	1542.4	1581.5	1638.8	1657.1	1636.3	1618.0	1586.8	1573.8	1563.3
55°	930.2	1151.6	1383.6	1461.6	1521.6	1545.1	1505.9	1487.8	1440.8	1433.1	1427.8
57.5°	914.5	958.8	1237.6	1336.6	1409.6	1406.9	1383.6	1349.6	1310.6	1302.7	1300.1
60°	839.0	693.1	1081.2	1198.5	1274.1	1266.2	1245.4	1214.2	1177.7	1172.5	1167.2
62.5°	760.8	502.9	904.1	1037.0	1143.8	1141.2	1123.0	1076.0	1050.0	1037.0	1026.5
65°	646.1	422.1	643.6	862.5	1016.2	1021.3	982.3	948.4	919.7	904.1	901.5
67.5°	492.4	343.9	435.1	719.1	893.7	888.5	839.0	823.3	786.8	779.0	763.4
70°	364.7	229.2	302.2	583.6	773.8	760.8	721.8	703.5	669.6	651.4	640.9
72.5°	302.2	185.0	221.5	453.4	651.4	635.8	601.9	581.0	552.4	536.7	526.3
75°	244.9	195.4	169.4	336.1	528.9	518.5	487.2	466.4	442.9	422.1	424.7
77.5°	179.7	182.4	135.5	247.5	419.4	403.9	385.6	359.6	349.1	328.3	328.3
80°	135.5	143.3	101.7	169.4	302.2	302.2	286.6	268.4	250.1	239.7	239.7
82.5°	91.2	91.2	75.5	106.8	205.9	198.0	187.6	182.4	172.0	166.7	166.7
85°	41.7	52.1	46.9	65.2	112.0	117.2	117.2	112.0	109.4	104.2	106.8
87.5°	13.0	23.5	28.7	36.5	57.3	59.9	62.5	62.5	62.5	65.2	65.2
90°	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6	15.5	15.5
92.5°	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4	77.2	74.1
95°	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3	262.2	252.9
97.5°	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1	605.2	587.5
100°	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1	849.8	828.7
102.5°	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7	1058.8	1040.7
105°	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5	1302.7	1292.9
107.5°	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7	1429.5	1431.9
110°	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8	1461.9	1472.1



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7	1441.2	1456.8
115°	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1	1370.9	1392.4
117.5°	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1	1273.8	1297.7
120°	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4	1208.3	1231.5
122.5°	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8	1143.0	1165.8
125°	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6	1056.4	1077.5
127.5°	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4	986.9	1004.6
130°	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1	942.9	959.4
132.5°	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2	905.5	920.2
135°	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4	852.7	865.4
137.5°	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1	813.7	824.1
140°	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2	782.4	792.1
142.5°	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7	760.5	768.9
145°	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4	727.6	733.9
147.5°	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8	699.9	705.1
150°	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4	684.1	688.3
152.5°	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9	671.5	674.7
155°	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9	656.4	658.5
157.5°	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2	643.4	644.8
160°	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8	636.9	637.7
162.5°	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9	630.8	631.6
165°	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6	621.5	622.4
167.5°	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3	617.4	617.8
170°	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3	617.4	617.4
172.5°	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1	614.2	613.9
175°	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1	609.6	609.6
177.5°	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8	608.9	608.5
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2824.3	2816.5	2824.3	2819.2	2821.7	2813.9	2790.5	2782.7	2790.5	2798.3	2798.3
5°	2858.2	2853.0	2858.2	2858.2	2855.7	2850.4	2824.3	2819.2	2824.3	2827.0	2821.7
7.5°	2868.7	2860.8	2868.7	2863.4	2863.4	2858.2	2832.2	2827.0	2829.5	2837.4	2829.5
10°	2868.7	2860.8	2868.7	2866.0	2863.4	2858.2	2832.2	2821.7	2821.7	2829.5	2821.7
12.5°	2855.7	2850.4	2855.7	2850.4	2850.4	2845.2	2819.2	2808.7	2811.3	2813.9	2803.5
15°	2834.8	2827.0	2834.8	2829.5	2832.2	2824.3	2795.7	2785.3	2785.3	2790.5	2772.2
17.5°	2803.5	2793.0	2803.5	2800.9	2798.3	2793.0	2767.0	2756.6	2754.0	2756.6	2743.5
20°	2767.0	2759.2	2767.0	2764.4	2764.4	2754.0	2728.0	2715.0	2715.0	2715.0	2701.8
22.5°	2709.7	2701.8	2709.7	2715.0	2715.0	2712.3	2688.8	2670.6	2665.4	2665.4	2649.8
25°	2644.6	2636.8	2644.6	2644.6	2642.0	2644.6	2636.8	2626.3	2618.5	2610.7	2595.1
27.5°	2582.0	2576.8	2582.0	2576.8	2582.0	2574.2	2571.6	2569.0	2558.6	2550.8	2529.9
30°	2519.5	2514.3	2519.5	2514.3	2509.1	2503.8	2490.8	2485.6	2496.1	2490.8	2457.0
32.5°	2441.3	2436.1	2441.3	2441.3	2436.1	2436.1	2415.3	2407.4	2410.1	2425.7	2394.4
35°	2360.6	2352.8	2360.6	2357.9	2360.6	2352.8	2339.7	2337.1	2326.7	2344.9	2321.4
37.5°	2266.8	2258.9	2266.8	2266.8	2266.8	2271.9	2261.6	2253.7	2238.1	2261.6	2243.3
40°	2170.4	2159.9	2170.4	2167.7	2170.4	2175.6	2170.4	2165.2	2149.5	2167.7	2152.1
42.5°	2060.9	2058.4	2060.9	2063.5	2063.5	2074.0	2081.7	2071.4	2066.2	2053.1	2063.5
45°	1943.7	1938.5	1943.7	1948.9	1951.5	1956.7	1980.2	1980.2	1972.4	1951.5	1967.2
47.5°	1818.6	1805.6	1818.6	1834.3	1834.3	1842.0	1865.5	1883.8	1870.7	1844.7	1852.5
50°	1685.8	1688.3	1685.8	1696.1	1696.1	1724.8	1743.1	1761.3	1774.3	1743.1	1706.6
52.5°	1555.5	1552.9	1555.5	1563.3	1573.8	1586.8	1618.0	1636.3	1657.1	1638.8	1581.5
55°	1425.2	1430.4	1425.2	1427.8	1433.1	1440.8	1487.8	1505.9	1545.1	1521.6	1461.6
57.5°	1294.9	1287.1	1294.9	1300.1	1302.7	1310.6	1349.6	1383.6	1406.9	1409.6	1336.6
60°	1143.8	1133.4	1143.8	1167.2	1172.5	1177.7	1214.2	1245.4	1266.2	1274.1	1198.5
62.5°	1010.9	992.7	1010.9	1026.5	1037.0	1050.0	1076.0	1123.0	1141.2	1143.8	1037.0
65°	870.2	862.5	870.2	901.5	904.1	919.7	948.4	982.3	1021.3	1016.2	862.5
67.5°	742.6	742.6	742.6	763.4	779.0	786.8	823.3	839.0	888.5	893.7	719.1
70°	625.3	622.8	625.3	640.9	651.4	669.6	703.5	721.8	760.8	773.8	583.6
72.5°	513.3	510.6	513.3	526.3	536.7	552.4	581.0	601.9	635.8	651.4	453.4
75°	414.3	409.1	414.3	424.7	422.1	442.9	466.4	487.2	518.5	528.9	336.1
77.5°	317.9	317.9	317.9	328.3	328.3	349.1	359.6	385.6	403.9	419.4	247.5
80°	237.1	234.5	237.1	239.7	239.7	250.1	268.4	286.6	302.2	302.2	169.4
82.5°	166.7	161.5	166.7	166.7	166.7	172.0	182.4	187.6	198.0	205.9	106.8
85°	104.2	104.2	104.2	106.8	104.2	109.4	112.0	117.2	117.2	112.0	65.2
87.5°	67.7	65.2	67.7	65.2	65.2	62.5	62.5	62.5	59.9	57.3	36.5
90°	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5	17.8	11.3
92.5°	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7	110.3	78.5
95°	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4	271.3	152.8
97.5°	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1	365.5	167.8
100°	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3	399.8	180.4
102.5°	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2	415.5	193.1
105°	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5	427.2	211.8
107.5°	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6	429.3	239.4
110°	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4	426.1	254.9



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9	426.2	273.5
115°	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7	430.2	301.6
117.5°	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9	438.2	328.8
120°	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0	444.7	344.7
122.5°	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8	454.0	363.3
125°	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3	466.6	387.3
127.5°	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8	479.2	410.5
130°	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7	488.4	426.0
132.5°	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3	495.9	438.6
135°	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7	503.9	453.2
137.5°	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2	516.2	471.9
140°	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8	523.7	484.5
142.5°	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9	529.9	493.8
145°	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0	538.1	508.1
147.5°	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9	549.9	525.9
150°	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0	556.2	535.3
152.5°	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4	560.2	541.4
155°	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3	569.2	554.8
157.5°	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3	578.1	568.2
160°	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7	582.2	574.3
162.5°	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2	586.6	580.9
165°	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1	592.7	590.1
167.5°	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5	597.6	595.4
170°	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9	601.7	601.6
172.5°	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7	604.4	605.6
177.5°	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3	604.6	605.6
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2793.0	2777.5	2777.5	2751.4	2741.0	2733.2	2720.1	2681.0	2670.6	2660.2	2675.8
5°	2816.5	2787.8	2767.0	2720.1	2681.0	2665.4	2615.9	2522.1	2459.6	2412.6	2386.6
7.5°	2821.7	2785.3	2746.2	2673.2	2579.4	2537.8	2386.6	2214.7	2167.7	2126.1	2100.0
10°	2816.5	2774.8	2720.1	2610.7	2389.2	2316.3	2165.2	2053.1	2024.5	2016.7	2024.5
12.5°	2798.3	2759.2	2683.6	2501.3	2191.2	2141.7	2053.1	1988.0	1982.7	1995.8	2066.2
15°	2767.0	2730.5	2642.0	2355.4	2081.7	2045.3	1982.7	1959.3	1988.0	2079.2	2290.2
17.5°	2735.8	2694.0	2584.6	2212.1	1998.4	1972.4	1928.0	1975.0	2136.5	2258.9	2329.3
20°	2694.0	2644.6	2519.5	2107.9	1938.5	1915.0	1894.2	2105.2	2227.7	2271.9	2311.1
22.5°	2644.6	2592.5	2430.9	2034.9	1876.0	1857.7	1870.7	2178.2	2227.7	2258.9	2292.8
25°	2579.4	2535.1	2326.7	1977.5	1826.5	1805.6	1855.1	2170.4	2199.0	2206.9	2274.6
27.5°	2519.5	2462.1	2217.2	1925.5	1766.5	1758.7	1868.2	2136.5	2157.4	2165.2	2238.1
30°	2446.6	2360.6	2094.8	1870.7	1704.0	1701.3	1870.7	2094.8	2089.6	2110.4	2183.4
32.5°	2371.0	2209.4	1956.7	1803.0	1644.1	1641.5	1852.5	2032.2	2027.0	2055.7	2110.4
35°	2300.6	2092.2	1769.1	1724.8	1568.5	1571.1	1808.2	1959.3	1961.9	1988.0	2021.9
37.5°	2227.7	1990.5	1563.3	1638.8	1495.6	1495.6	1748.3	1891.5	1886.4	1894.2	1941.0
40°	2141.7	1831.7	1380.9	1526.8	1427.8	1419.9	1675.3	1818.6	1800.3	1797.8	1862.9
42.5°	2050.5	1657.1	1245.4	1378.3	1349.6	1339.2	1586.8	1730.0	1696.1	1704.0	1787.3
45°	1951.5	1610.1	1141.2	1164.7	1268.9	1261.1	1490.3	1628.4	1605.0	1625.8	1711.8
47.5°	1852.5	1516.4	1107.4	966.7	1182.9	1180.2	1383.6	1529.4	1516.4	1537.3	1628.4
50°	1717.0	1412.1	1104.7	828.5	1086.5	1096.9	1255.9	1433.1	1433.1	1451.3	1547.6
52.5°	1542.4	1284.5	1003.2	750.3	974.5	1005.7	1143.8	1349.6	1354.9	1373.1	1459.1
55°	1383.6	1151.6	930.2	690.5	841.6	909.3	1034.4	1263.7	1274.1	1292.4	1370.4
57.5°	1237.6	958.8	914.5	620.1	719.1	784.3	938.0	1180.2	1185.5	1201.1	1276.7
60°	1081.2	693.1	839.0	544.6	612.3	661.8	849.3	1081.2	1099.5	1109.9	1175.1
62.5°	904.1	502.9	760.8	492.4	560.1	570.6	776.5	987.5	1010.9	1018.7	1057.8
65°	643.6	422.1	646.1	448.1	505.4	508.1	698.3	891.0	912.0	925.0	953.6
67.5°	435.1	343.9	492.4	406.4	463.8	466.4	622.8	779.0	807.7	818.1	836.3
70°	302.2	229.2	364.7	362.2	416.9	422.1	541.9	677.4	703.5	711.3	721.8
72.5°	221.5	185.0	302.2	325.7	367.4	372.6	458.6	562.8	588.8	596.6	601.9
75°	169.4	195.4	244.9	284.0	312.7	315.2	375.2	458.6	476.8	482.1	484.6
77.5°	135.5	182.4	179.7	229.2	255.4	250.1	294.4	354.4	369.9	369.9	369.9
80°	101.7	143.3	135.5	164.2	187.6	182.4	211.0	252.7	257.9	263.2	260.5
82.5°	75.5	91.2	91.2	104.2	125.0	119.9	140.7	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.3	67.7	78.2	88.5	91.2	91.2	86.0
87.5°	28.7	23.5	13.0	20.8	31.3	31.3	36.5	39.0	36.5	36.5	36.5
90°	10.6	7.3	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6
92.5°	71.6	43.9	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4
95°	140.2	89.6	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3
97.5°	156.7	112.0	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1
100°	170.3	129.9	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1
102.5°	183.6	145.9	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7
105°	203.8	171.8	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5
107.5°	231.9	202.1	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7
110°	248.2	221.2	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	267.1	241.5	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7
115°	295.7	272.0	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1
117.5°	323.4	301.9	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1
120°	339.7	319.4	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4
122.5°	358.2	337.8	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8
125°	382.7	364.0	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6
127.5°	405.7	387.0	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4
130°	420.9	400.6	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1
132.5°	433.5	413.2	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2
135°	448.5	430.2	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4
137.5°	467.4	449.1	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1
140°	480.3	463.5	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2
142.5°	489.9	474.4	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7
145°	504.7	491.1	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4
147.5°	522.7	509.5	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8
150°	532.3	520.4	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4
152.5°	539.1	530.2	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9
155°	553.1	546.4	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9
157.5°	566.6	560.0	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2
160°	573.1	568.0	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8
162.5°	579.9	576.1	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9
165°	589.2	585.9	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6
167.5°	595.1	593.4	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3
170°	601.2	599.5	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3
172.5°	601.9	601.6	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1
175°	605.6	605.6	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1
177.5°	605.6	605.6	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2657.6	2649.8	2660.2	2631.5	2660.2	2649.8	2657.6	2675.8	2660.2	2670.6	2681.0
5°	2331.9	2318.9	2277.2	2243.3	2277.2	2318.9	2331.9	2386.6	2412.6	2459.6	2522.1
7.5°	2084.4	2074.0	2063.5	2042.7	2063.5	2074.0	2084.4	2100.0	2126.1	2167.7	2214.7
10°	2029.7	2032.2	2047.9	2045.3	2047.9	2032.2	2029.7	2024.5	2016.7	2024.5	2053.1
12.5°	2170.4	2193.8	2279.8	2274.6	2279.8	2193.8	2170.4	2066.2	1995.8	1982.7	1988.0
15°	2331.9	2339.7	2357.9	2360.6	2357.9	2339.7	2331.9	2290.2	2079.2	1988.0	1959.3
17.5°	2347.6	2350.1	2363.1	2363.1	2363.1	2350.1	2347.6	2329.3	2258.9	2136.5	1975.0
20°	2334.6	2339.7	2365.8	2371.0	2365.8	2339.7	2334.6	2311.1	2271.9	2227.7	2105.2
22.5°	2329.3	2339.7	2360.6	2357.9	2360.6	2339.7	2329.3	2292.8	2258.9	2227.7	2178.2
25°	2303.2	2303.2	2305.9	2308.4	2305.9	2303.2	2303.2	2274.6	2206.9	2199.0	2170.4
27.5°	2248.6	2253.7	2269.4	2266.8	2269.4	2253.7	2248.6	2238.1	2165.2	2157.4	2136.5
30°	2199.0	2193.8	2180.7	2170.4	2180.7	2193.8	2199.0	2183.4	2110.4	2089.6	2094.8
32.5°	2115.7	2102.6	2089.6	2081.7	2089.6	2102.6	2115.7	2110.4	2055.7	2027.0	2032.2
35°	2016.7	2019.2	2016.7	2008.8	2016.7	2019.2	2016.7	2021.9	1988.0	1961.9	1959.3
37.5°	1946.3	1951.5	1948.9	1938.5	1948.9	1951.5	1946.3	1941.0	1894.2	1886.4	1891.5
40°	1873.3	1876.0	1873.3	1865.5	1873.3	1876.0	1873.3	1862.9	1797.8	1800.3	1818.6
42.5°	1803.0	1800.3	1792.5	1787.3	1792.5	1800.3	1803.0	1787.3	1704.0	1696.1	1730.0
45°	1722.2	1724.8	1709.2	1701.3	1709.2	1724.8	1722.2	1711.8	1625.8	1605.0	1628.4
47.5°	1641.5	1641.5	1628.4	1620.6	1628.4	1641.5	1641.5	1628.4	1537.3	1516.4	1529.4
50°	1555.5	1552.9	1534.6	1532.0	1534.6	1552.9	1555.5	1547.6	1451.3	1433.1	1433.1
52.5°	1456.4	1456.4	1459.1	1464.3	1459.1	1456.4	1456.4	1459.1	1373.1	1354.9	1349.6
55°	1370.4	1373.1	1391.3	1396.6	1391.3	1373.1	1370.4	1370.4	1292.4	1274.1	1263.7
57.5°	1281.9	1281.9	1294.9	1294.9	1294.9	1281.9	1281.9	1276.7	1201.1	1185.5	1180.2
60°	1180.2	1185.5	1195.9	1193.4	1195.9	1185.5	1180.2	1175.1	1109.9	1099.5	1081.2
62.5°	1073.5	1078.7	1081.2	1076.0	1081.2	1078.7	1073.5	1057.8	1018.7	1010.9	987.5
65°	961.4	966.7	969.2	964.0	969.2	966.7	961.4	953.6	925.0	912.0	891.0
67.5°	846.8	844.2	841.6	852.0	841.6	844.2	846.8	836.3	818.1	807.7	779.0
70°	729.5	729.5	726.9	732.1	726.9	729.5	729.5	721.8	711.3	703.5	677.4
72.5°	604.5	601.9	612.3	604.5	612.3	601.9	604.5	601.9	596.6	588.8	562.8
75°	482.1	487.2	482.1	489.8	482.1	487.2	482.1	484.6	482.1	476.8	458.6
77.5°	367.4	372.6	367.4	367.4	367.4	372.6	367.4	369.9	369.9	369.9	354.4
80°	260.5	257.9	257.9	255.4	257.9	257.9	260.5	260.5	263.2	257.9	252.7
82.5°	166.7	164.2	164.2	169.4	164.2	164.2	166.7	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.5	88.5	88.5	93.8	91.2	86.0	91.2	91.2	88.5
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.0
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5
92.5°	77.2	74.1	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7
95°	262.2	252.9	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4
97.5°	605.2	587.5	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1
100°	849.8	828.7	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3
102.5°	1058.8	1040.7	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2
105°	1302.7	1292.9	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5
107.5°	1429.5	1431.9	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6
110°	1461.9	1472.1	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1441.2	1456.8	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9
115°	1370.9	1392.4	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7
117.5°	1273.8	1297.7	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9
120°	1208.3	1231.5	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0
122.5°	1143.0	1165.8	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8
125°	1056.4	1077.5	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3
127.5°	986.9	1004.6	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8
130°	942.9	959.4	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7
132.5°	905.5	920.2	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3
135°	852.7	865.4	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7
137.5°	813.7	824.1	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2
140°	782.4	792.1	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8
142.5°	760.5	768.9	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9
145°	727.6	733.9	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0
147.5°	699.9	705.1	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9
150°	684.1	688.3	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0
152.5°	671.5	674.7	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4
155°	656.4	658.5	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3
157.5°	643.4	644.8	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3
160°	636.9	637.7	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7
162.5°	630.8	631.6	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2
165°	621.5	622.4	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1
167.5°	617.4	617.8	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5
170°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9
172.5°	614.2	613.9	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7
177.5°	608.9	608.5	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2720.1	2733.2	2741.0	2751.4	2777.5
5°	2615.9	2665.4	2681.0	2720.1	2767.0
7.5°	2386.6	2537.8	2579.4	2673.2	2746.2
10°	2165.2	2316.3	2389.2	2610.7	2720.1
12.5°	2053.1	2141.7	2191.2	2501.3	2683.6
15°	1982.7	2045.3	2081.7	2355.4	2642.0
17.5°	1928.0	1972.4	1998.4	2212.1	2584.6
20°	1894.2	1915.0	1938.5	2107.9	2519.5
22.5°	1870.7	1857.7	1876.0	2034.9	2430.9
25°	1855.1	1805.6	1826.5	1977.5	2326.7
27.5°	1868.2	1758.7	1766.5	1925.5	2217.2
30°	1870.7	1701.3	1704.0	1870.7	2094.8
32.5°	1852.5	1641.5	1644.1	1803.0	1956.7
35°	1808.2	1571.1	1568.5	1724.8	1769.1
37.5°	1748.3	1495.6	1495.6	1638.8	1563.3
40°	1675.3	1419.9	1427.8	1526.8	1380.9
42.5°	1586.8	1339.2	1349.6	1378.3	1245.4
45°	1490.3	1261.1	1268.9	1164.7	1141.2
47.5°	1383.6	1180.2	1182.9	966.7	1107.4
50°	1255.9	1096.9	1086.5	828.5	1104.7
52.5°	1143.8	1005.7	974.5	750.3	1003.2
55°	1034.4	909.3	841.6	690.5	930.2
57.5°	938.0	784.3	719.1	620.1	914.5
60°	849.3	661.8	612.3	544.6	839.0
62.5°	776.5	570.6	560.1	492.4	760.8
65°	698.3	508.1	505.4	448.1	646.1
67.5°	622.8	466.4	463.8	406.4	492.4
70°	541.9	422.1	416.9	362.2	364.7
72.5°	458.6	372.6	367.4	325.7	302.2
75°	375.2	315.2	312.7	284.0	244.9
77.5°	294.4	250.1	255.4	229.2	179.7
80°	211.0	182.4	187.6	164.2	135.5
82.5°	140.7	119.9	125.0	104.2	91.2
85°	78.2	67.7	70.3	54.7	41.7
87.5°	36.5	31.3	31.3	20.8	13.0
90°	17.8	11.3	10.6	7.3	4.0
92.5°	110.3	78.5	71.6	43.9	16.3
95°	271.3	152.8	140.2	89.6	39.0
97.5°	365.5	167.8	156.7	112.0	67.4
100°	399.8	180.4	170.3	129.9	89.4
102.5°	415.5	193.1	183.6	145.9	108.2
105°	427.2	211.8	203.8	171.8	139.8
107.5°	429.3	239.4	231.9	202.1	172.4
110°	426.1	254.9	248.2	221.2	194.2



TEST NUMBER: P934493

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	426.2	273.5	267.1	241.5	215.8
115°	430.2	301.6	295.7	272.0	248.4
117.5°	438.2	328.8	323.4	301.9	280.4
120°	444.7	344.7	339.7	319.4	299.2
122.5°	454.0	363.3	358.2	337.8	317.4
125°	466.6	387.3	382.7	364.0	345.5
127.5°	479.2	410.5	405.7	387.0	368.3
130°	488.4	426.0	420.9	400.6	380.4
132.5°	495.9	438.6	433.5	413.2	393.0
135°	503.9	453.2	448.5	430.2	411.8
137.5°	516.2	471.9	467.4	449.1	430.9
140°	523.7	484.5	480.3	463.5	446.7
142.5°	529.9	493.8	489.9	474.4	458.9
145°	538.1	508.1	504.7	491.1	477.6
147.5°	549.9	525.9	522.7	509.5	496.3
150°	556.2	535.3	532.3	520.4	508.5
152.5°	560.2	541.4	539.1	530.2	521.1
155°	569.2	554.8	553.1	546.4	539.7
157.5°	578.1	568.2	566.6	560.0	553.5
160°	582.2	574.3	573.1	568.0	562.9
162.5°	586.6	580.9	579.9	576.1	572.3
165°	592.7	590.1	589.2	585.9	582.4
167.5°	597.6	595.4	595.1	593.4	591.8
170°	601.7	601.6	601.2	599.5	597.9
172.5°	602.0	602.0	601.9	601.6	601.2
175°	604.4	605.6	605.6	605.6	605.6
177.5°	604.6	605.6	605.6	605.6	605.6
180°	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934493
 CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-3000K

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	14.90	15.91	15.72	16.75	17.80	17.74	18.75	18.56	19.59	20.64
	3H	15.39	16.30	16.22	17.15	18.22	19.10	20.00	19.93	20.86	21.93
	4H	15.59	16.44	16.44	17.30	18.39	19.55	20.41	20.40	21.27	22.35
	6H	15.71	16.50	16.58	17.37	18.47	19.85	20.63	20.71	21.50	22.60
	8H	15.72	16.47	16.59	17.36	18.46	19.93	20.68	20.80	21.56	22.66
	12H	15.70	16.41	16.57	17.29	18.42	19.97	20.69	20.85	21.57	22.69
4H	2H	15.95	16.81	16.81	17.67	18.76	18.17	19.02	19.02	19.88	20.97
	3H	16.99	17.71	17.86	18.60	19.70	19.69	20.40	20.56	21.29	22.40
	4H	17.28	17.93	18.16	18.82	19.94	20.22	20.87	21.10	21.76	22.89
	6H	17.41	17.97	18.31	18.89	20.02	20.60	21.16	21.49	22.07	23.20
	8H	17.42	17.94	18.32	18.85	20.00	20.71	21.23	21.61	22.14	23.29
	12H	17.39	17.87	18.31	18.79	19.94	20.78	21.25	21.69	22.18	23.32
8H	4H	17.74	18.27	18.64	19.18	20.32	20.36	20.88	21.26	21.79	22.94
	6H	18.01	18.44	18.94	19.40	20.54	20.80	21.24	21.73	22.19	23.33
	8H	18.06	18.44	18.99	19.38	20.54	20.96	21.34	21.89	22.29	23.45
	12H	18.05	18.38	18.98	19.32	20.53	21.07	21.40	22.00	22.34	23.55
12H	4H	17.76	18.23	18.68	19.16	20.31	20.33	20.80	21.25	21.73	22.88
	6H	18.07	18.46	19.01	19.40	20.56	20.80	21.19	21.74	22.13	23.29
	8H	18.15	18.49	19.09	19.42	20.63	20.97	21.31	21.91	22.25	23.46