

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: P934468

Luminaire Tested: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934468
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-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

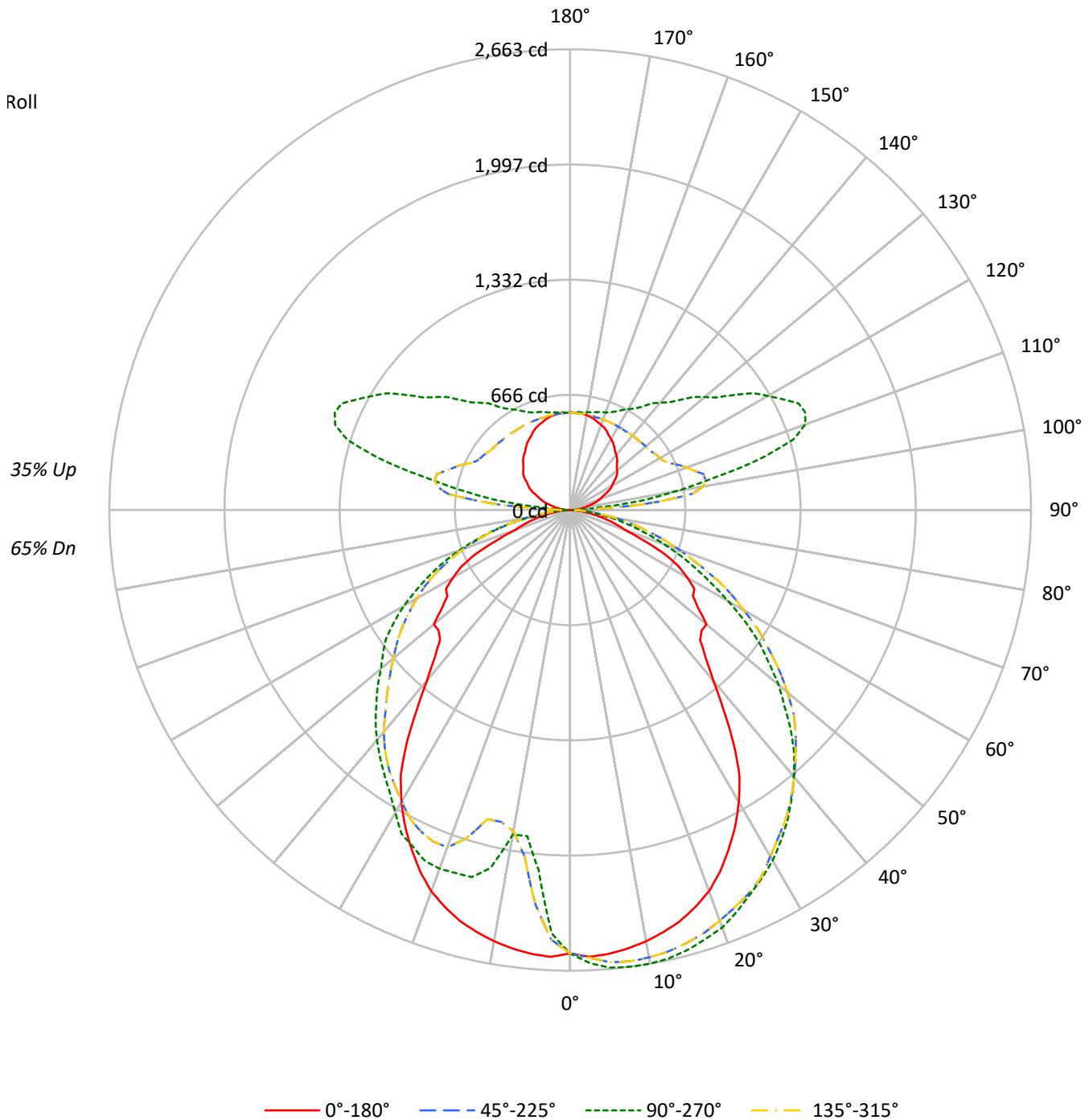
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10302.1 lumens
Efficiency: N/A
Efficacy: 114.0 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

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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	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°	11892	11892	11892	11892
5°	11981	12005	11981	9439
10°	11901	11825	11901	8454
15°	11772	11569	11772	9661
20°	11526	11266	11526	9681
25°	11021	10823	11021	9475
30°	10370	10455	10370	9025
35°	9245	9991	9245	8530
40°	7703	9443	7703	8156
45°	6883	8803	6883	7726
50°	7313	8039	7313	7294
55°	6881	7215	6881	7045
60°	7093	6128	7093	6453
65°	6430	5066	6430	5662
70°	4453	4037	4453	4747
75°	3905	2985	3905	3574
80°	3146	1973	3146	2149
85°	1807	1045	1807	888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10549 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	2.2
10°-20°	656.9	6.4
20°-30°	1015.5	9.9
30°-40°	1212.3	11.8
40°-50°	1219.4	11.8
50°-60°	1061.0	10.3
60°-70°	752.3	7.3
70°-80°	398.0	3.9
80°-90°	101.3	1.0
90°-100°	274.8	2.7
100°-110°	722.3	7.0
110°-120°	749.0	7.3
120°-130°	600.8	5.8
130°-140°	471.4	4.6
140°-150°	361.8	3.5
150°-160°	260.6	2.5
160°-170°	159.4	1.5
170°-180°	53.9	0.5
0°-30°	1903.8	18.5
0°-40°	3116.1	30.2
0°-60°	5396.5	52.4
0°-90°	6648.1	64.5
90°-120°	1746.1	16.9
90°-150°	3180.1	30.9
90°-180°	3654.0	35.5
0°-180°	10302.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2563	2563	2563	2563	2563	
5°	2575	2655	2575	2088	2575	244
15°	2459	2631	2459	2197	2459	692
25°	2166	2454	2166	2148	2166	994
35°	1646	2190	1646	1870	1646	1019
45°	1062	1804	1062	1584	1062	851
55°	866	1331	866	1300	866	796
65°	601	803	601	897	601	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	4	14	4	14	4	5
95°	36	166	36	166	36	40
105°	130	1131	130	1131	130	138
115°	231	1456	231	1456	231	228
125°	322	1160	322	1160	322	285
135°	383	900	383	900	383	296
145°	444	730	444	730	444	278
155°	502	629	502	629	502	231
165°	542	586	542	586	542	153
175°	564	567	564	567	564	54
180°	564	564	564	564	564	



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CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2585.1	2585.1	2599.6	2604.4	2604.4	2597.2	2589.9	2597.2	2619.0	2626.3	2623.9
5°	2575.3	2594.7	2621.4	2626.3	2631.1	2628.6	2623.9	2628.6	2653.0	2657.8	2660.2
7.5°	2556.0	2592.3	2626.3	2633.5	2640.9	2633.5	2631.1	2636.0	2660.2	2665.1	2665.1
10°	2531.6	2582.6	2621.4	2626.3	2633.5	2626.3	2626.3	2636.0	2660.2	2665.1	2667.5
12.5°	2497.7	2568.1	2604.4	2609.3	2619.0	2616.5	2614.1	2623.9	2648.1	2653.0	2653.0
15°	2459.0	2541.4	2575.3	2580.2	2597.2	2592.3	2592.3	2602.0	2628.6	2636.0	2633.5
17.5°	2405.6	2507.4	2546.2	2553.5	2565.6	2563.2	2565.6	2575.3	2599.6	2604.4	2606.9
20°	2345.0	2461.3	2507.4	2514.7	2526.9	2526.9	2526.9	2539.0	2563.2	2572.9	2572.9
22.5°	2262.5	2412.9	2461.3	2466.2	2480.7	2480.7	2485.6	2502.6	2524.4	2526.9	2526.9
25°	2165.5	2359.5	2400.7	2415.3	2429.9	2437.1	2444.4	2454.1	2461.3	2459.0	2461.3
27.5°	2063.6	2291.6	2345.0	2354.6	2374.1	2381.3	2391.1	2393.4	2395.9	2403.2	2398.3
30°	1949.6	2197.1	2277.1	2286.8	2318.3	2323.1	2313.4	2318.3	2330.4	2335.3	2340.1
32.5°	1821.2	2056.4	2206.8	2228.5	2257.6	2243.1	2240.6	2248.0	2267.3	2267.3	2272.2
35°	1646.5	1947.3	2141.3	2160.6	2182.5	2165.5	2175.2	2177.6	2189.8	2197.1	2194.6
37.5°	1455.0	1852.6	2073.3	2087.9	2104.9	2083.1	2097.6	2104.9	2114.6	2109.8	2109.8
40°	1285.2	1704.8	1993.3	2003.1	2017.6	2000.6	2015.2	2020.0	2024.9	2020.0	2017.6
42.5°	1159.1	1542.3	1908.4	1920.6	1910.9	1923.0	1927.9	1937.5	1930.3	1920.6	1920.6
45°	1062.1	1498.6	1816.3	1830.9	1816.3	1835.8	1843.0	1843.0	1821.2	1816.3	1813.9
47.5°	1030.7	1411.3	1724.2	1724.2	1716.9	1741.1	1753.3	1736.3	1714.4	1707.2	1707.2
50°	1028.2	1314.3	1598.1	1588.3	1622.3	1651.4	1639.3	1622.3	1605.3	1578.6	1578.6
52.5°	933.7	1195.5	1435.6	1472.0	1525.3	1542.3	1522.9	1505.9	1476.8	1464.7	1455.0
55°	865.8	1071.9	1287.7	1360.4	1416.2	1438.0	1401.6	1384.7	1341.0	1333.8	1328.9
57.5°	851.2	892.4	1151.9	1244.0	1311.9	1309.5	1287.7	1256.1	1219.8	1212.5	1210.1
60°	780.9	645.0	1006.3	1115.5	1185.8	1178.5	1159.1	1130.0	1096.1	1091.2	1086.4
62.5°	708.1	468.0	841.4	965.1	1064.5	1062.1	1045.2	1001.5	977.3	965.1	955.4
65°	601.4	392.9	599.0	802.7	945.8	950.5	914.2	882.7	856.0	841.4	839.0
67.5°	458.3	320.1	405.0	669.3	831.8	826.9	780.9	766.3	732.3	725.1	710.5
70°	339.5	213.4	281.3	543.2	720.2	708.1	671.8	654.8	623.2	606.2	596.5
72.5°	281.3	172.2	206.1	422.0	606.2	591.7	560.2	540.8	514.1	499.5	489.9
75°	228.0	181.9	157.7	312.8	492.3	482.6	453.4	434.1	412.2	392.9	395.3
77.5°	167.3	169.8	126.1	230.3	390.4	375.9	358.9	334.7	325.0	305.6	305.6
80°	126.1	133.3	94.6	157.7	281.3	281.3	266.8	249.8	232.8	223.1	223.1
82.5°	84.9	84.9	70.3	99.4	191.6	184.3	174.6	169.8	160.0	155.2	155.2
85°	38.8	48.5	43.7	60.7	104.3	109.1	109.1	104.3	101.9	97.0	99.4
87.5°	12.1	21.8	26.7	34.0	53.3	55.8	58.2	58.2	58.2	60.7	60.7
90°	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.5	19.2	14.4	14.4
92.5°	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9	71.9	69.0
95°	36.3	83.4	130.5	142.2	252.5	399.7	473.3	422.3	320.5	244.0	235.4
97.5°	62.8	104.3	145.8	156.2	340.2	585.5	708.2	676.0	611.6	563.3	546.8
100°	83.2	120.9	158.5	167.9	372.1	644.3	780.4	782.8	787.5	791.0	771.3
102.5°	100.7	135.8	170.9	179.7	386.7	662.9	800.9	841.9	923.9	985.4	968.6
105°	130.1	159.9	189.7	197.1	397.6	665.0	798.6	890.5	1074.5	1212.5	1203.4
107.5°	160.4	188.1	215.8	222.8	399.6	635.3	753.2	881.4	1138.0	1330.5	1332.7
110°	180.8	205.8	231.0	237.2	396.6	609.1	715.3	858.8	1145.6	1360.7	1370.1



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	200.9	224.7	248.6	254.6	396.7	586.2	680.9	827.7	1121.2	1341.4	1355.9
115°	231.2	253.2	275.2	280.7	400.4	560.0	639.7	781.1	1063.9	1276.0	1296.0
117.5°	261.0	281.0	301.0	306.1	407.8	543.5	611.3	738.9	994.1	1185.6	1207.8
120°	278.4	297.2	316.1	320.8	413.9	538.0	600.0	716.5	949.7	1124.6	1146.2
122.5°	295.4	314.4	333.4	338.2	422.5	535.0	591.3	696.3	906.3	1063.8	1085.1
125°	321.6	338.8	356.2	360.5	434.3	532.6	581.8	671.0	849.4	983.2	1002.9
127.5°	342.8	360.2	377.6	382.0	446.0	531.3	573.8	650.5	803.6	918.5	935.0
130°	354.0	372.9	391.8	396.4	454.5	532.1	570.8	639.0	775.4	877.6	892.9
132.5°	365.8	384.6	403.5	408.2	461.5	532.6	568.2	629.3	751.3	842.8	856.5
135°	383.2	400.4	417.5	421.8	469.0	532.1	563.6	614.8	717.0	793.6	805.5
137.5°	401.0	418.0	435.0	439.2	480.4	535.4	562.9	606.1	692.6	757.4	767.0
140°	415.7	431.4	447.0	451.0	487.4	535.9	560.3	597.6	672.2	728.2	737.2
142.5°	427.1	441.5	456.0	459.6	493.2	537.9	560.3	593.0	658.6	707.8	715.6
145°	444.5	457.1	469.8	472.9	500.8	538.0	556.5	583.3	637.0	677.2	683.0
147.5°	461.9	474.2	486.5	489.5	511.8	541.6	556.5	577.6	619.7	651.4	656.2
150°	473.3	484.4	495.5	498.2	517.7	543.6	556.5	574.3	610.0	636.7	640.6
152.5°	485.0	493.4	501.8	503.9	521.4	544.8	556.5	571.7	602.1	625.0	628.0
155°	502.3	508.6	514.8	516.4	529.8	547.6	556.5	568.6	592.7	610.9	612.9
157.5°	515.2	521.3	527.3	528.9	538.0	550.3	556.5	565.9	584.7	598.8	600.2
160°	523.9	528.7	533.4	534.6	541.9	551.6	556.5	564.6	580.6	592.7	593.6
162.5°	532.6	536.2	539.7	540.6	545.9	553.0	556.5	563.3	577.0	587.1	587.9
165°	542.1	545.3	548.4	549.2	551.6	554.8	556.5	561.4	571.1	578.4	579.2
167.5°	550.8	552.3	553.8	554.2	556.2	558.9	560.3	563.5	569.9	574.7	575.0
170°	556.5	558.0	559.5	559.9	560.0	560.2	560.3	563.5	569.9	574.7	574.7
172.5°	559.5	559.9	560.2	560.3	560.3	560.3	560.3	562.8	567.9	571.6	571.4
175°	563.6	563.6	563.6	563.6	562.5	561.0	560.3	561.8	565.0	567.4	567.4
177.5°	563.6	563.6	563.6	563.6	562.7	561.5	561.0	562.3	564.7	566.7	566.3
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2628.6	2621.4	2628.6	2623.9	2626.3	2619.0	2597.2	2589.9	2597.2	2604.4	2604.4
5°	2660.2	2655.4	2660.2	2660.2	2657.8	2653.0	2628.6	2623.9	2628.6	2631.1	2626.3
7.5°	2669.9	2662.6	2669.9	2665.1	2665.1	2660.2	2636.0	2631.1	2633.5	2640.9	2633.5
10°	2669.9	2662.6	2669.9	2667.5	2665.1	2660.2	2636.0	2626.3	2626.3	2633.5	2626.3
12.5°	2657.8	2653.0	2657.8	2653.0	2653.0	2648.1	2623.9	2614.1	2616.5	2619.0	2609.3
15°	2638.4	2631.1	2638.4	2633.5	2636.0	2628.6	2602.0	2592.3	2592.3	2597.2	2580.2
17.5°	2609.3	2599.6	2609.3	2606.9	2604.4	2599.6	2575.3	2565.6	2563.2	2565.6	2553.5
20°	2575.3	2568.1	2575.3	2572.9	2572.9	2563.2	2539.0	2526.9	2526.9	2526.9	2514.7
22.5°	2522.0	2514.7	2522.0	2526.9	2526.9	2524.4	2502.6	2485.6	2480.7	2480.7	2466.2
25°	2461.3	2454.1	2461.3	2461.3	2459.0	2461.3	2454.1	2444.4	2437.1	2429.9	2415.3
27.5°	2403.2	2398.3	2403.2	2398.3	2403.2	2395.9	2393.4	2391.1	2381.3	2374.1	2354.6
30°	2345.0	2340.1	2345.0	2340.1	2335.3	2330.4	2318.3	2313.4	2323.1	2318.3	2286.8
32.5°	2272.2	2267.3	2272.2	2272.2	2267.3	2267.3	2248.0	2240.6	2243.1	2257.6	2228.5
35°	2197.1	2189.8	2197.1	2194.6	2197.1	2189.8	2177.6	2175.2	2165.5	2182.5	2160.6
37.5°	2109.8	2102.4	2109.8	2109.8	2109.8	2114.6	2104.9	2097.6	2083.1	2104.9	2087.9
40°	2020.0	2010.3	2020.0	2017.6	2020.0	2024.9	2020.0	2015.2	2000.6	2017.6	2003.1
42.5°	1918.2	1915.8	1918.2	1920.6	1920.6	1930.3	1937.5	1927.9	1923.0	1910.9	1920.6
45°	1809.1	1804.2	1809.1	1813.9	1816.3	1821.2	1843.0	1843.0	1835.8	1816.3	1830.9
47.5°	1692.6	1680.5	1692.6	1707.2	1707.2	1714.4	1736.3	1753.3	1741.1	1716.9	1724.2
50°	1569.0	1571.4	1569.0	1578.6	1578.6	1605.3	1622.3	1639.3	1651.4	1622.3	1588.3
52.5°	1447.8	1445.3	1447.8	1455.0	1464.7	1476.8	1505.9	1522.9	1542.3	1525.3	1472.0
55°	1326.4	1331.3	1326.4	1328.9	1333.8	1341.0	1384.7	1401.6	1438.0	1416.2	1360.4
57.5°	1205.2	1198.0	1205.2	1210.1	1212.5	1219.8	1256.1	1287.7	1309.5	1311.9	1244.0
60°	1064.5	1054.9	1064.5	1086.4	1091.2	1096.1	1130.0	1159.1	1178.5	1185.8	1115.5
62.5°	940.9	923.9	940.9	955.4	965.1	977.3	1001.5	1045.2	1062.1	1064.5	965.1
65°	810.0	802.7	810.0	839.0	841.4	856.0	882.7	914.2	950.5	945.8	802.7
67.5°	691.1	691.1	691.1	710.5	725.1	732.3	766.3	780.9	826.9	831.8	669.3
70°	582.0	579.6	582.0	596.5	606.2	623.2	654.8	671.8	708.1	720.2	543.2
72.5°	477.8	475.3	477.8	489.9	499.5	514.1	540.8	560.2	591.7	606.2	422.0
75°	385.6	380.8	385.6	395.3	392.9	412.2	434.1	453.4	482.6	492.3	312.8
77.5°	295.9	295.9	295.9	305.6	305.6	325.0	334.7	358.9	375.9	390.4	230.3
80°	220.7	218.2	220.7	223.1	223.1	232.8	249.8	266.8	281.3	281.3	157.7
82.5°	155.2	150.3	155.2	155.2	155.2	160.0	169.8	174.6	184.3	191.6	99.4
85°	97.0	97.0	97.0	99.4	97.0	101.9	104.3	109.1	109.1	104.3	60.7
87.5°	63.0	60.7	63.0	60.7	60.7	58.2	58.2	58.2	55.8	53.3	34.0
90°	14.4	14.4	14.4	14.4	14.4	19.2	25.5	28.7	24.7	16.6	10.6
92.5°	57.5	46.2	57.5	69.0	71.9	101.9	141.9	161.9	142.2	102.7	73.0
95°	200.7	166.1	200.7	235.4	244.0	320.5	422.3	473.3	399.7	252.5	142.2
97.5°	480.9	415.0	480.9	546.8	563.3	611.6	676.0	708.2	585.5	340.2	156.2
100°	692.9	614.3	692.9	771.3	791.0	787.5	782.8	780.4	644.3	372.1	167.9
102.5°	901.4	834.1	901.4	968.6	985.4	923.9	841.9	800.9	662.9	386.7	179.7
105°	1167.2	1131.1	1167.2	1203.4	1212.5	1074.5	890.5	798.6	665.0	397.6	197.1
107.5°	1341.4	1350.1	1341.4	1332.7	1330.5	1138.0	881.4	753.2	635.3	399.6	222.8
110°	1407.7	1445.5	1407.7	1370.1	1360.7	1145.6	858.8	715.3	609.1	396.6	237.2



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1413.7	1471.5	1413.7	1355.9	1341.4	1121.2	827.7	680.9	586.2	396.7	254.6
115°	1376.2	1456.4	1376.2	1296.0	1276.0	1063.9	781.1	639.7	560.0	400.4	280.7
117.5°	1296.8	1385.7	1296.8	1207.8	1185.6	994.1	738.9	611.3	543.5	407.8	306.1
120°	1232.6	1319.1	1232.6	1146.2	1124.6	949.7	716.5	600.0	538.0	413.9	320.8
122.5°	1170.3	1255.6	1170.3	1085.1	1063.8	906.3	696.3	591.3	535.0	422.5	338.2
125°	1081.3	1159.9	1081.3	1002.9	983.2	849.4	671.0	581.8	532.6	434.3	360.5
127.5°	1001.3	1067.6	1001.3	935.0	918.5	803.6	650.5	573.8	531.3	446.0	382.0
130°	954.1	1015.3	954.1	892.9	877.6	775.4	639.0	570.8	532.1	454.5	396.4
132.5°	911.4	966.1	911.4	856.5	842.8	751.3	629.3	568.2	532.6	461.5	408.2
135°	852.7	900.0	852.7	805.5	793.6	717.0	614.8	563.6	532.1	469.0	421.8
137.5°	805.7	844.4	805.7	767.0	757.4	692.6	606.1	562.9	535.4	480.4	439.2
140°	773.3	809.5	773.3	737.2	728.2	672.2	597.6	560.3	535.9	487.4	451.0
142.5°	746.6	777.7	746.6	715.6	707.8	658.6	593.0	560.3	537.9	493.2	459.6
145°	706.6	730.1	706.6	683.0	677.2	637.0	583.3	556.5	538.0	500.8	472.9
147.5°	675.8	695.3	675.8	656.2	651.4	619.7	577.6	556.5	541.6	511.8	489.5
150°	656.4	672.2	656.4	640.6	636.7	610.0	574.3	556.5	543.6	517.7	498.2
152.5°	639.9	651.8	639.9	628.0	625.0	602.1	571.7	556.5	544.8	521.4	503.9
155°	620.8	628.7	620.8	612.9	610.9	592.7	568.6	556.5	547.6	529.8	516.4
157.5°	605.8	611.3	605.8	600.2	598.8	584.7	565.9	556.5	550.3	538.0	528.9
160°	596.8	600.0	596.8	593.6	592.7	580.6	564.6	556.5	551.6	541.9	534.6
162.5°	590.9	593.9	590.9	587.9	587.1	577.0	563.3	556.5	553.0	545.9	540.6
165°	582.4	585.6	582.4	579.2	578.4	571.1	561.4	556.5	554.8	551.6	549.2
167.5°	576.3	577.7	576.3	575.0	574.7	569.9	563.5	560.3	558.9	556.2	554.2
170°	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2	560.0	559.9
172.5°	570.2	569.0	570.2	571.4	571.6	567.9	562.8	560.3	560.3	560.3	560.3
175°	567.4	567.4	567.4	567.4	567.4	565.0	561.8	560.3	561.0	562.5	563.6
177.5°	565.0	563.6	565.0	566.3	566.7	564.7	562.3	561.0	561.5	562.7	563.6
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2599.6	2585.1	2585.1	2560.8	2551.1	2543.9	2531.6	2495.3	2485.6	2475.9	2490.4
5°	2621.4	2594.7	2575.3	2531.6	2495.3	2480.7	2434.6	2347.4	2289.2	2245.5	2221.3
7.5°	2626.3	2592.3	2556.0	2488.1	2400.7	2362.0	2221.3	2061.2	2017.6	1978.8	1954.5
10°	2621.4	2582.6	2531.6	2429.9	2223.7	2155.8	2015.2	1910.9	1884.2	1877.0	1884.2
12.5°	2604.4	2568.1	2497.7	2328.0	2039.4	1993.3	1910.9	1850.3	1845.4	1857.5	1923.0
15°	2575.3	2541.4	2459.0	2192.2	1937.5	1903.6	1845.4	1823.6	1850.3	1935.1	2131.5
17.5°	2546.2	2507.4	2405.6	2058.8	1860.0	1835.8	1794.5	1838.1	1988.5	2102.4	2168.0
20°	2507.4	2461.3	2345.0	1961.8	1804.2	1782.3	1763.0	1959.4	2073.3	2114.6	2151.0
22.5°	2461.3	2412.9	2262.5	1893.9	1746.0	1729.0	1741.1	2027.3	2073.3	2102.4	2134.0
25°	2400.7	2359.5	2165.5	1840.5	1699.9	1680.5	1726.6	2020.0	2046.6	2054.0	2117.0
27.5°	2345.0	2291.6	2063.6	1792.1	1644.1	1636.9	1738.8	1988.5	2007.9	2015.2	2083.1
30°	2277.1	2197.1	1949.6	1741.1	1586.0	1583.5	1741.1	1949.6	1944.9	1964.2	2032.1
32.5°	2206.8	2056.4	1821.2	1678.1	1530.2	1527.8	1724.2	1891.5	1886.6	1913.3	1964.2
35°	2141.3	1947.3	1646.5	1605.3	1459.9	1462.3	1683.0	1823.6	1826.0	1850.3	1881.8
37.5°	2073.3	1852.6	1455.0	1525.3	1392.0	1392.0	1627.2	1760.5	1755.7	1763.0	1806.6
40°	1993.3	1704.8	1285.2	1421.1	1328.9	1321.6	1559.3	1692.6	1675.6	1673.2	1733.9
42.5°	1908.4	1542.3	1159.1	1282.8	1256.1	1246.4	1476.8	1610.2	1578.6	1586.0	1663.5
45°	1816.3	1498.6	1062.1	1084.0	1181.0	1173.7	1387.1	1515.6	1493.8	1513.2	1593.2
47.5°	1724.2	1411.3	1030.7	899.7	1101.0	1098.5	1287.7	1423.4	1411.3	1430.8	1515.6
50°	1598.1	1314.3	1028.2	771.1	1011.2	1020.9	1168.9	1333.8	1333.8	1350.8	1440.4
52.5°	1435.6	1195.5	933.7	698.4	907.0	936.0	1064.5	1256.1	1261.0	1278.0	1358.0
55°	1287.7	1071.9	865.8	642.7	783.3	846.3	962.8	1176.1	1185.8	1202.8	1275.5
57.5°	1151.9	892.4	851.2	577.1	669.3	729.9	873.0	1098.5	1103.3	1117.9	1188.2
60°	1006.3	645.0	780.9	506.8	569.9	616.0	790.5	1006.3	1023.3	1033.0	1093.7
62.5°	841.4	468.0	708.1	458.3	521.3	531.1	722.7	919.1	940.9	948.2	984.5
65°	599.0	392.9	601.4	417.1	470.4	472.9	649.9	829.3	848.8	860.9	887.5
67.5°	405.0	320.1	458.3	378.3	431.7	434.1	579.6	725.1	751.8	761.4	778.4
70°	281.3	213.4	339.5	337.1	388.0	392.9	504.4	630.5	654.8	662.0	671.8
72.5°	206.1	172.2	281.3	303.1	341.9	346.8	426.8	523.8	548.0	555.3	560.2
75°	157.7	181.9	228.0	264.3	291.0	293.4	349.2	426.8	443.8	448.7	451.0
77.5°	126.1	169.8	167.3	213.4	237.7	232.8	274.0	329.8	344.3	344.3	344.3
80°	94.6	133.3	126.1	152.8	174.6	169.8	196.4	235.2	240.1	244.9	242.5
82.5°	70.3	84.9	84.9	97.0	116.4	111.6	131.0	152.8	152.8	152.8	157.7
85°	43.7	48.5	38.8	50.9	65.4	63.0	72.8	82.4	84.9	84.9	80.0
87.5°	26.7	21.8	12.1	19.4	29.1	29.1	34.0	36.3	34.0	34.0	34.0
90°	9.8	6.8	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.5	19.2
92.5°	66.6	40.8	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9
95°	130.5	83.4	36.3	83.4	130.5	142.2	252.5	399.7	473.3	422.3	320.5
97.5°	145.8	104.3	62.8	104.3	145.8	156.2	340.2	585.5	708.2	676.0	611.6
100°	158.5	120.9	83.2	120.9	158.5	167.9	372.1	644.3	780.4	782.8	787.5
102.5°	170.9	135.8	100.7	135.8	170.9	179.7	386.7	662.9	800.9	841.9	923.9
105°	189.7	159.9	130.1	159.9	189.7	197.1	397.6	665.0	798.6	890.5	1074.5
107.5°	215.8	188.1	160.4	188.1	215.8	222.8	399.6	635.3	753.2	881.4	1138.0
110°	231.0	205.8	180.8	205.8	231.0	237.2	396.6	609.1	715.3	858.8	1145.6



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	248.6	224.7	200.9	224.7	248.6	254.6	396.7	586.2	680.9	827.7	1121.2
115°	275.2	253.2	231.2	253.2	275.2	280.7	400.4	560.0	639.7	781.1	1063.9
117.5°	301.0	281.0	261.0	281.0	301.0	306.1	407.8	543.5	611.3	738.9	994.1
120°	316.1	297.2	278.4	297.2	316.1	320.8	413.9	538.0	600.0	716.5	949.7
122.5°	333.4	314.4	295.4	314.4	333.4	338.2	422.5	535.0	591.3	696.3	906.3
125°	356.2	338.8	321.6	338.8	356.2	360.5	434.3	532.6	581.8	671.0	849.4
127.5°	377.6	360.2	342.8	360.2	377.6	382.0	446.0	531.3	573.8	650.5	803.6
130°	391.8	372.9	354.0	372.9	391.8	396.4	454.5	532.1	570.8	639.0	775.4
132.5°	403.5	384.6	365.8	384.6	403.5	408.2	461.5	532.6	568.2	629.3	751.3
135°	417.5	400.4	383.2	400.4	417.5	421.8	469.0	532.1	563.6	614.8	717.0
137.5°	435.0	418.0	401.0	418.0	435.0	439.2	480.4	535.4	562.9	606.1	692.6
140°	447.0	431.4	415.7	431.4	447.0	451.0	487.4	535.9	560.3	597.6	672.2
142.5°	456.0	441.5	427.1	441.5	456.0	459.6	493.2	537.9	560.3	593.0	658.6
145°	469.8	457.1	444.5	457.1	469.8	472.9	500.8	538.0	556.5	583.3	637.0
147.5°	486.5	474.2	461.9	474.2	486.5	489.5	511.8	541.6	556.5	577.6	619.7
150°	495.5	484.4	473.3	484.4	495.5	498.2	517.7	543.6	556.5	574.3	610.0
152.5°	501.8	493.4	485.0	493.4	501.8	503.9	521.4	544.8	556.5	571.7	602.1
155°	514.8	508.6	502.3	508.6	514.8	516.4	529.8	547.6	556.5	568.6	592.7
157.5°	527.3	521.3	515.2	521.3	527.3	528.9	538.0	550.3	556.5	565.9	584.7
160°	533.4	528.7	523.9	528.7	533.4	534.6	541.9	551.6	556.5	564.6	580.6
162.5°	539.7	536.2	532.6	536.2	539.7	540.6	545.9	553.0	556.5	563.3	577.0
165°	548.4	545.3	542.1	545.3	548.4	549.2	551.6	554.8	556.5	561.4	571.1
167.5°	553.8	552.3	550.8	552.3	553.8	554.2	556.2	558.9	560.3	563.5	569.9
170°	559.5	558.0	556.5	558.0	559.5	559.9	560.0	560.2	560.3	563.5	569.9
172.5°	560.2	559.9	559.5	559.9	560.2	560.3	560.3	560.3	560.3	562.8	567.9
175°	563.6	563.6	563.6	563.6	563.6	563.6	562.5	561.0	560.3	561.8	565.0
177.5°	563.6	563.6	563.6	563.6	563.6	563.6	562.7	561.5	561.0	562.3	564.7
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2473.5	2466.2	2475.9	2449.2	2475.9	2466.2	2473.5	2490.4	2475.9	2485.6	2495.3
5°	2170.3	2158.2	2119.4	2087.9	2119.4	2158.2	2170.3	2221.3	2245.5	2289.2	2347.4
7.5°	1940.0	1930.3	1920.6	1901.2	1920.6	1930.3	1940.0	1954.5	1978.8	2017.6	2061.2
10°	1889.1	1891.5	1906.1	1903.6	1906.1	1891.5	1889.1	1884.2	1877.0	1884.2	1910.9
12.5°	2020.0	2041.9	2121.9	2117.0	2121.9	2041.9	2020.0	1923.0	1857.5	1845.4	1850.3
15°	2170.3	2177.6	2194.6	2197.1	2194.6	2177.6	2170.3	2131.5	1935.1	1850.3	1823.6
17.5°	2184.9	2187.3	2199.4	2199.4	2199.4	2187.3	2184.9	2168.0	2102.4	1988.5	1838.1
20°	2172.8	2177.6	2201.9	2206.8	2201.9	2177.6	2172.8	2151.0	2114.6	2073.3	1959.4
22.5°	2168.0	2177.6	2197.1	2194.6	2197.1	2177.6	2168.0	2134.0	2102.4	2073.3	2027.3
25°	2143.6	2143.6	2146.1	2148.5	2146.1	2143.6	2143.6	2117.0	2054.0	2046.6	2020.0
27.5°	2092.8	2097.6	2112.2	2109.8	2112.2	2097.6	2092.8	2083.1	2015.2	2007.9	1988.5
30°	2046.6	2041.9	2029.7	2020.0	2029.7	2041.9	2046.6	2032.1	1964.2	1944.9	1949.6
32.5°	1969.1	1957.0	1944.9	1937.5	1944.9	1957.0	1969.1	1964.2	1913.3	1886.6	1891.5
35°	1877.0	1879.3	1877.0	1869.6	1877.0	1879.3	1877.0	1881.8	1850.3	1826.0	1823.6
37.5°	1811.4	1816.3	1813.9	1804.2	1813.9	1816.3	1811.4	1806.6	1763.0	1755.7	1760.5
40°	1743.5	1746.0	1743.5	1736.3	1743.5	1746.0	1743.5	1733.9	1673.2	1675.6	1692.6
42.5°	1678.1	1675.6	1668.4	1663.5	1668.4	1675.6	1678.1	1663.5	1586.0	1578.6	1610.2
45°	1602.9	1605.3	1590.8	1583.5	1590.8	1605.3	1602.9	1593.2	1513.2	1493.8	1515.6
47.5°	1527.8	1527.8	1515.6	1508.3	1515.6	1527.8	1527.8	1515.6	1430.8	1411.3	1423.4
50°	1447.8	1445.3	1428.3	1425.9	1428.3	1445.3	1447.8	1440.4	1350.8	1333.8	1333.8
52.5°	1355.5	1355.5	1358.0	1362.9	1358.0	1355.5	1355.5	1358.0	1278.0	1261.0	1256.1
55°	1275.5	1278.0	1295.0	1299.8	1295.0	1278.0	1275.5	1275.5	1202.8	1185.8	1176.1
57.5°	1193.1	1193.1	1205.2	1205.2	1205.2	1193.1	1193.1	1188.2	1117.9	1103.3	1098.5
60°	1098.5	1103.3	1113.1	1110.7	1113.1	1103.3	1098.5	1093.7	1033.0	1023.3	1006.3
62.5°	999.1	1004.0	1006.3	1001.5	1006.3	1004.0	999.1	984.5	948.2	940.9	919.1
65°	894.8	899.7	902.1	897.2	902.1	899.7	894.8	887.5	860.9	848.8	829.3
67.5°	788.1	785.7	783.3	793.0	783.3	785.7	788.1	778.4	761.4	751.8	725.1
70°	679.0	679.0	676.5	681.4	676.5	679.0	679.0	671.8	662.0	654.8	630.5
72.5°	562.6	560.2	569.9	562.6	569.9	560.2	562.6	560.2	555.3	548.0	523.8
75°	448.7	453.4	448.7	455.9	448.7	453.4	448.7	451.0	448.7	443.8	426.8
77.5°	341.9	346.8	341.9	341.9	341.9	346.8	341.9	344.3	344.3	344.3	329.8
80°	242.5	240.1	240.1	237.7	240.1	240.1	242.5	242.5	244.9	240.1	235.2
82.5°	155.2	152.8	152.8	157.7	152.8	152.8	155.2	157.7	152.8	152.8	152.8
85°	84.9	87.3	82.4	82.4	82.4	87.3	84.9	80.0	84.9	84.9	82.4
87.5°	31.6	29.1	29.1	29.1	29.1	29.1	31.6	34.0	34.0	34.0	36.3
90°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	19.2	25.5	28.7	24.7
92.5°	71.9	69.0	57.5	46.2	57.5	69.0	71.9	101.9	141.9	161.9	142.2
95°	244.0	235.4	200.7	166.1	200.7	235.4	244.0	320.5	422.3	473.3	399.7
97.5°	563.3	546.8	480.9	415.0	480.9	546.8	563.3	611.6	676.0	708.2	585.5
100°	791.0	771.3	692.9	614.3	692.9	771.3	791.0	787.5	782.8	780.4	644.3
102.5°	985.4	968.6	901.4	834.1	901.4	968.6	985.4	923.9	841.9	800.9	662.9
105°	1212.5	1203.4	1167.2	1131.1	1167.2	1203.4	1212.5	1074.5	890.5	798.6	665.0
107.5°	1330.5	1332.7	1341.4	1350.1	1341.4	1332.7	1330.5	1138.0	881.4	753.2	635.3
110°	1360.7	1370.1	1407.7	1445.5	1407.7	1370.1	1360.7	1145.6	858.8	715.3	609.1



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1341.4	1355.9	1413.7	1471.5	1413.7	1355.9	1341.4	1121.2	827.7	680.9	586.2
115°	1276.0	1296.0	1376.2	1456.4	1376.2	1296.0	1276.0	1063.9	781.1	639.7	560.0
117.5°	1185.6	1207.8	1296.8	1385.7	1296.8	1207.8	1185.6	994.1	738.9	611.3	543.5
120°	1124.6	1146.2	1232.6	1319.1	1232.6	1146.2	1124.6	949.7	716.5	600.0	538.0
122.5°	1063.8	1085.1	1170.3	1255.6	1170.3	1085.1	1063.8	906.3	696.3	591.3	535.0
125°	983.2	1002.9	1081.3	1159.9	1081.3	1002.9	983.2	849.4	671.0	581.8	532.6
127.5°	918.5	935.0	1001.3	1067.6	1001.3	935.0	918.5	803.6	650.5	573.8	531.3
130°	877.6	892.9	954.1	1015.3	954.1	892.9	877.6	775.4	639.0	570.8	532.1
132.5°	842.8	856.5	911.4	966.1	911.4	856.5	842.8	751.3	629.3	568.2	532.6
135°	793.6	805.5	852.7	900.0	852.7	805.5	793.6	717.0	614.8	563.6	532.1
137.5°	757.4	767.0	805.7	844.4	805.7	767.0	757.4	692.6	606.1	562.9	535.4
140°	728.2	737.2	773.3	809.5	773.3	737.2	728.2	672.2	597.6	560.3	535.9
142.5°	707.8	715.6	746.6	777.7	746.6	715.6	707.8	658.6	593.0	560.3	537.9
145°	677.2	683.0	706.6	730.1	706.6	683.0	677.2	637.0	583.3	556.5	538.0
147.5°	651.4	656.2	675.8	695.3	675.8	656.2	651.4	619.7	577.6	556.5	541.6
150°	636.7	640.6	656.4	672.2	656.4	640.6	636.7	610.0	574.3	556.5	543.6
152.5°	625.0	628.0	639.9	651.8	639.9	628.0	625.0	602.1	571.7	556.5	544.8
155°	610.9	612.9	620.8	628.7	620.8	612.9	610.9	592.7	568.6	556.5	547.6
157.5°	598.8	600.2	605.8	611.3	605.8	600.2	598.8	584.7	565.9	556.5	550.3
160°	592.7	593.6	596.8	600.0	596.8	593.6	592.7	580.6	564.6	556.5	551.6
162.5°	587.1	587.9	590.9	593.9	590.9	587.9	587.1	577.0	563.3	556.5	553.0
165°	578.4	579.2	582.4	585.6	582.4	579.2	578.4	571.1	561.4	556.5	554.8
167.5°	574.7	575.0	576.3	577.7	576.3	575.0	574.7	569.9	563.5	560.3	558.9
170°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2
172.5°	571.6	571.4	570.2	569.0	570.2	571.4	571.6	567.9	562.8	560.3	560.3
175°	567.4	567.4	567.4	567.4	567.4	567.4	567.4	565.0	561.8	560.3	561.0
177.5°	566.7	566.3	565.0	563.6	565.0	566.3	566.7	564.7	562.3	561.0	561.5
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2531.6	2543.9	2551.1	2560.8	2585.1
5°	2434.6	2480.7	2495.3	2531.6	2575.3
7.5°	2221.3	2362.0	2400.7	2488.1	2556.0
10°	2015.2	2155.8	2223.7	2429.9	2531.6
12.5°	1910.9	1993.3	2039.4	2328.0	2497.7
15°	1845.4	1903.6	1937.5	2192.2	2459.0
17.5°	1794.5	1835.8	1860.0	2058.8	2405.6
20°	1763.0	1782.3	1804.2	1961.8	2345.0
22.5°	1741.1	1729.0	1746.0	1893.9	2262.5
25°	1726.6	1680.5	1699.9	1840.5	2165.5
27.5°	1738.8	1636.9	1644.1	1792.1	2063.6
30°	1741.1	1583.5	1586.0	1741.1	1949.6
32.5°	1724.2	1527.8	1530.2	1678.1	1821.2
35°	1683.0	1462.3	1459.9	1605.3	1646.5
37.5°	1627.2	1392.0	1392.0	1525.3	1455.0
40°	1559.3	1321.6	1328.9	1421.1	1285.2
42.5°	1476.8	1246.4	1256.1	1282.8	1159.1
45°	1387.1	1173.7	1181.0	1084.0	1062.1
47.5°	1287.7	1098.5	1101.0	899.7	1030.7
50°	1168.9	1020.9	1011.2	771.1	1028.2
52.5°	1064.5	936.0	907.0	698.4	933.7
55°	962.8	846.3	783.3	642.7	865.8
57.5°	873.0	729.9	669.3	577.1	851.2
60°	790.5	616.0	569.9	506.8	780.9
62.5°	722.7	531.1	521.3	458.3	708.1
65°	649.9	472.9	470.4	417.1	601.4
67.5°	579.6	434.1	431.7	378.3	458.3
70°	504.4	392.9	388.0	337.1	339.5
72.5°	426.8	346.8	341.9	303.1	281.3
75°	349.2	293.4	291.0	264.3	228.0
77.5°	274.0	232.8	237.7	213.4	167.3
80°	196.4	169.8	174.6	152.8	126.1
82.5°	131.0	111.6	116.4	97.0	84.9
85°	72.8	63.0	65.4	50.9	38.8
87.5°	34.0	29.1	29.1	19.4	12.1
90°	16.6	10.6	9.8	6.8	3.8
92.5°	102.7	73.0	66.6	40.8	15.1
95°	252.5	142.2	130.5	83.4	36.3
97.5°	340.2	156.2	145.8	104.3	62.8
100°	372.1	167.9	158.5	120.9	83.2
102.5°	386.7	179.7	170.9	135.8	100.7
105°	397.6	197.1	189.7	159.9	130.1
107.5°	399.6	222.8	215.8	188.1	160.4
110°	396.6	237.2	231.0	205.8	180.8



TEST NUMBER: P934468

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	396.7	254.6	248.6	224.7	200.9
115°	400.4	280.7	275.2	253.2	231.2
117.5°	407.8	306.1	301.0	281.0	261.0
120°	413.9	320.8	316.1	297.2	278.4
122.5°	422.5	338.2	333.4	314.4	295.4
125°	434.3	360.5	356.2	338.8	321.6
127.5°	446.0	382.0	377.6	360.2	342.8
130°	454.5	396.4	391.8	372.9	354.0
132.5°	461.5	408.2	403.5	384.6	365.8
135°	469.0	421.8	417.5	400.4	383.2
137.5°	480.4	439.2	435.0	418.0	401.0
140°	487.4	451.0	447.0	431.4	415.7
142.5°	493.2	459.6	456.0	441.5	427.1
145°	500.8	472.9	469.8	457.1	444.5
147.5°	511.8	489.5	486.5	474.2	461.9
150°	517.7	498.2	495.5	484.4	473.3
152.5°	521.4	503.9	501.8	493.4	485.0
155°	529.8	516.4	514.8	508.6	502.3
157.5°	538.0	528.9	527.3	521.3	515.2
160°	541.9	534.6	533.4	528.7	523.9
162.5°	545.9	540.6	539.7	536.2	532.6
165°	551.6	549.2	548.4	545.3	542.1
167.5°	556.2	554.2	553.8	552.3	550.8
170°	560.0	559.9	559.5	558.0	556.5
172.5°	560.3	560.3	560.2	559.9	559.5
175°	562.5	563.6	563.6	563.6	563.6
177.5°	562.7	563.6	563.6	563.6	563.6
180°	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934468
 CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-5000K

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	14.65	15.66	15.47	16.51	17.55	17.49	18.50	18.31	19.34	20.39
	3H	15.14	16.05	15.98	16.90	17.97	18.85	19.75	19.68	20.61	21.68
	4H	15.34	16.19	16.19	17.05	18.14	19.30	20.16	20.15	21.02	22.10
	6H	15.47	16.25	16.33	17.12	18.22	19.60	20.38	20.46	21.25	22.35
	8H	15.47	16.22	16.34	17.11	18.21	19.68	20.43	20.55	21.31	22.41
	12H	15.45	16.16	16.32	17.04	18.17	19.72	20.44	20.60	21.32	22.44
4H	2H	15.70	16.56	16.56	17.42	18.51	17.92	18.77	18.77	19.63	20.72
	3H	16.75	17.46	17.61	18.35	19.45	19.44	20.15	20.31	21.04	22.15
	4H	17.03	17.68	17.91	18.57	19.69	19.97	20.62	20.85	21.51	22.64
	6H	17.16	17.72	18.06	18.64	19.77	20.35	20.91	21.25	21.82	22.96
	8H	17.17	17.69	18.07	18.60	19.75	20.46	20.98	21.36	21.89	23.04
	12H	17.14	17.62	18.06	18.54	19.69	20.53	21.00	21.44	21.93	23.08
8H	4H	17.49	18.02	18.39	18.93	20.07	20.11	20.63	21.01	21.54	22.69
	6H	17.76	18.20	18.69	19.15	20.29	20.56	20.99	21.48	21.94	23.08
	8H	17.81	18.19	18.74	19.13	20.29	20.71	21.09	21.65	22.04	23.20
	12H	17.80	18.13	18.74	19.07	20.28	20.82	21.15	21.75	22.09	23.30
12H	4H	17.51	17.98	18.43	18.91	20.06	20.08	20.55	21.00	21.48	22.63
	6H	17.82	18.21	18.76	19.15	20.31	20.55	20.94	21.49	21.88	23.04
	8H	17.90	18.24	18.84	19.17	20.38	20.72	21.06	21.66	22.00	23.21