

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: P935179

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

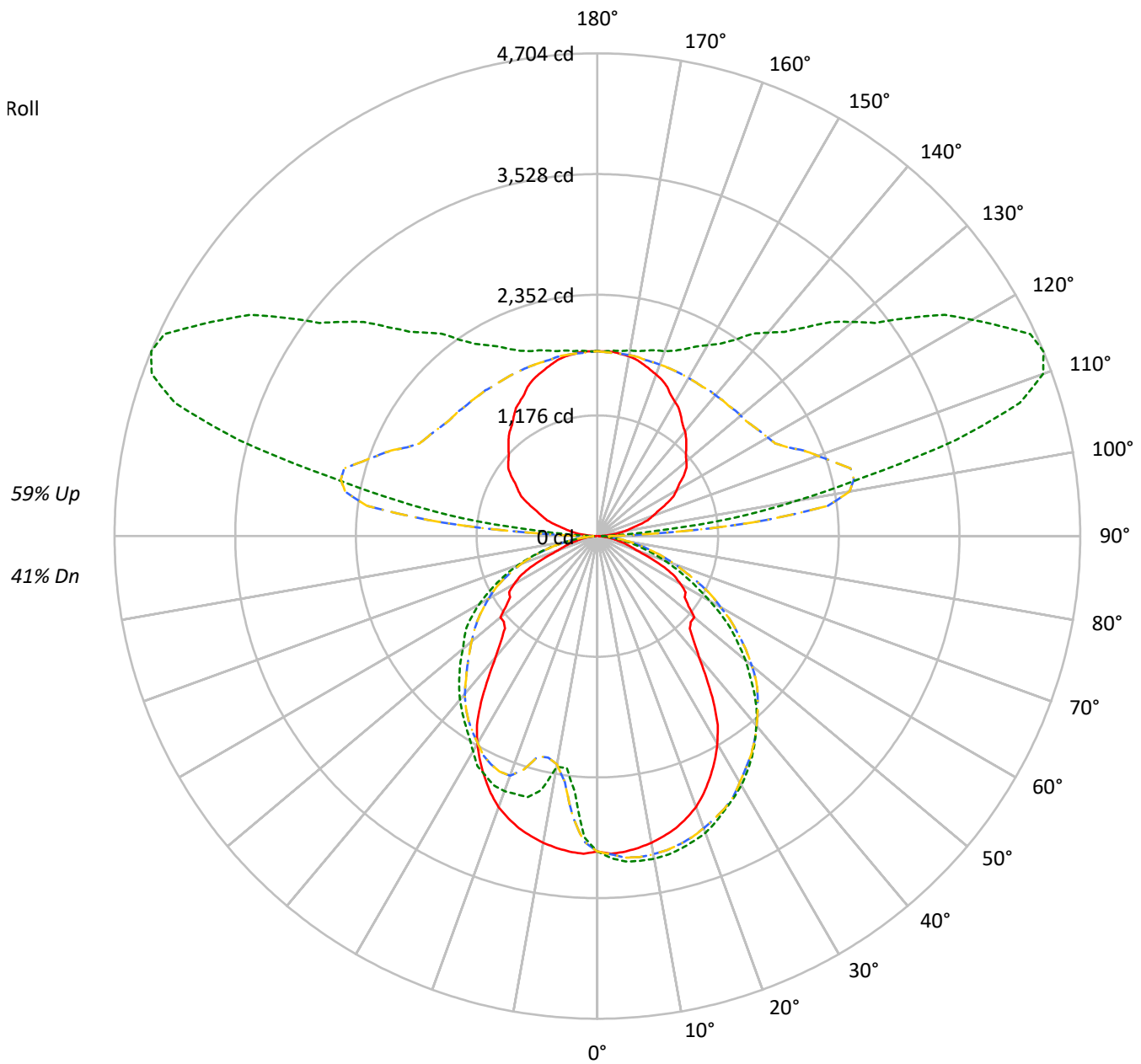
Test Method: LM-79-2019  
Report Number: P935179  
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19653.2 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 147.6  
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: P935179  
CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9579	9594	9579	7544
10°	9518	9451	9518	6756
15°	9418	9246	9418	7721
20°	9225	9003	9225	7737
25°	8825	8650	8825	7573
30°	8308	8356	8308	7213
35°	7410	7984	7410	6817
40°	6178	7547	6178	6518
45°	5524	7035	5524	6175
50°	5873	6424	5873	5829
55°	5531	5766	5531	5630
60°	5708	4897	5708	5156
65°	5184	4048	5184	4526
70°	3598	3227	3598	3794
75°	3168	2385	3168	2856
80°	2572	1577	2572	1717
85°	1507	835	1507	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8460 cd/sqm



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.4	1.4
10°-20°	787.5	4.0
20°-30°	1217.4	6.2
30°-40°	1453.3	7.4
40°-50°	1461.8	7.4
50°-60°	1271.9	6.5
60°-70°	901.8	4.6
70°-80°	477.1	2.4
80°-90°	125.7	0.6
90°-100°	878.2	4.5
100°-110°	2308.8	11.7
110°-120°	2394.0	12.2
120°-130°	1920.3	9.8
130°-140°	1506.8	7.7
140°-150°	1156.5	5.9
150°-160°	832.9	4.2
160°-170°	509.6	2.6
170°-180°	172.2	0.9
0°-30°	2282.3	11.6
0°-40°	3735.6	19.0
0°-60°	6469.3	32.9
0°-90°	7973.9	40.6
90°-120°	5581.1	28.4
90°-150°	10164.6	51.7
90°-180°	11679.0	59.4
0°-180°	19653.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3073	3073	3073	3073	3073	
5°	3087	3183	3087	2503	3087	293
15°	2948	3154	2948	2634	2948	829
25°	2596	2942	2596	2576	2596	1192
35°	1974	2625	1974	2241	1974	1221
45°	1273	2163	1273	1898	1273	1020
55°	1038	1596	1038	1558	1038	954
65°	721	962	721	1076	721	689
75°	273	456	273	546	273	287
85°	46	116	46	99	46	63
90°	12	46	12	46	12	12
95°	116	531	116	531	116	129
105°	416	3615	416	3615	416	441
115°	739	4655	739	4655	739	730
125°	1028	3707	1028	3707	1028	913
135°	1225	2877	1225	2877	1225	948
145°	1421	2334	1421	2334	1421	890
155°	1606	2010	1606	2010	1606	738
165°	1733	1872	1733	1872	1733	489
175°	1802	1814	1802	1814	1802	171
180°	1802	1802	1802	1802	1802	



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3099.0	3099.0	3116.4	3122.2	3122.2	3113.5	3104.8	3113.5	3139.7	3148.4	3145.5
5°	3087.3	3110.6	3142.6	3148.4	3154.2	3151.3	3145.5	3151.3	3180.4	3186.2	3189.1
7.5°	3064.1	3107.7	3148.4	3157.1	3165.8	3157.1	3154.2	3160.0	3189.1	3194.9	3194.9
10°	3035.0	3096.1	3142.6	3148.4	3157.1	3148.4	3148.4	3160.0	3189.1	3194.9	3197.8
12.5°	2994.3	3078.6	3122.2	3128.0	3139.7	3136.7	3133.8	3145.5	3174.5	3180.4	3180.4
15°	2947.8	3046.6	3087.3	3093.1	3113.5	3107.7	3107.7	3119.3	3151.3	3160.0	3157.1
17.5°	2883.8	3005.9	3052.4	3061.2	3075.7	3072.8	3075.7	3087.3	3116.4	3122.2	3125.1
20°	2811.2	2950.7	3005.9	3014.7	3029.2	3029.2	3029.2	3043.7	3072.8	3084.4	3084.4
22.5°	2712.3	2892.6	2950.7	2956.5	2974.0	2974.0	2979.8	3000.1	3026.3	3029.2	3029.2
25°	2596.0	2828.6	2878.0	2895.5	2912.9	2921.6	2930.4	2942.0	2950.7	2947.8	2950.7
27.5°	2473.9	2747.2	2811.2	2822.8	2846.0	2854.8	2866.4	2869.3	2872.2	2880.9	2875.1
30°	2337.2	2633.8	2729.8	2741.4	2779.2	2785.0	2773.4	2779.2	2793.7	2799.5	2805.4
32.5°	2183.2	2465.1	2645.5	2671.6	2706.5	2689.1	2686.2	2694.9	2718.1	2718.1	2724.0
35°	1973.9	2334.3	2567.0	2590.2	2616.4	2596.0	2607.7	2610.6	2625.1	2633.8	2630.9
37.5°	1744.2	2220.9	2485.5	2502.9	2523.3	2497.1	2514.6	2523.3	2534.9	2529.1	2529.1
40°	1540.7	2043.6	2389.6	2401.2	2418.6	2398.3	2415.7	2421.5	2427.3	2421.5	2418.6
42.5°	1389.5	1848.9	2287.8	2302.3	2290.7	2305.3	2311.1	2322.7	2314.0	2302.3	2302.3
45°	1273.3	1796.5	2177.3	2194.8	2177.3	2200.6	2209.3	2209.3	2183.2	2177.3	2174.4
47.5°	1235.5	1691.9	2066.9	2066.9	2058.2	2087.2	2101.8	2081.4	2055.2	2046.5	2046.5
50°	1232.6	1575.6	1915.7	1904.1	1944.8	1979.7	1965.1	1944.8	1924.4	1892.5	1892.5
52.5°	1119.2	1433.2	1720.9	1764.5	1828.5	1848.9	1825.6	1805.2	1770.4	1755.8	1744.2
55°	1037.8	1284.9	1543.6	1630.8	1697.7	1723.9	1680.2	1659.9	1607.6	1598.8	1593.0
57.5°	1020.4	1069.8	1380.8	1491.3	1572.7	1569.8	1543.6	1505.8	1462.2	1453.5	1450.6
60°	936.1	773.3	1206.4	1337.2	1421.5	1412.8	1389.5	1354.7	1314.0	1308.1	1302.3
62.5°	848.8	561.1	1008.7	1157.0	1276.2	1273.3	1252.9	1200.6	1171.5	1157.0	1145.4
65°	720.9	470.9	718.0	962.2	1133.7	1139.5	1095.9	1058.1	1026.2	1008.7	1005.8
67.5°	549.4	383.7	485.5	802.3	997.1	991.3	936.1	918.6	877.9	869.2	851.8
70°	407.0	255.8	337.2	651.2	863.4	848.8	805.2	784.9	747.1	726.8	715.1
72.5°	337.2	206.4	247.1	505.8	726.8	709.3	671.5	648.3	616.3	598.8	587.2
75°	273.3	218.0	189.0	375.0	590.1	578.5	543.6	520.4	494.2	470.9	473.8
77.5°	200.6	203.5	151.2	276.2	468.0	450.6	430.2	401.2	389.5	366.3	366.3
80°	151.2	159.9	113.4	189.0	337.2	337.2	319.8	299.4	279.1	267.4	267.4
82.5°	101.7	101.7	84.3	119.2	229.7	220.9	209.3	203.5	191.9	186.0	186.0
85°	46.5	58.1	52.3	72.7	125.0	130.8	130.8	125.0	122.1	116.3	119.2
87.5°	14.5	26.2	32.0	40.7	64.0	66.9	69.8	69.8	69.8	72.7	72.7
90°	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2	45.9	45.9
92.5°	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7	229.7	220.6
95°	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1	779.9	752.1
97.5°	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8	1800.4	1747.8
100°	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1	2528.3	2465.6
102.5°	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1	3149.8	3096.1
105°	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4	3875.3	3846.4
107.5°	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5	4252.6	4259.5
110°	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7	4349.3	4379.4



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9	4287.6	4333.9
115°	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5	4078.4	4142.5
117.5°	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6	3789.5	3860.5
120°	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8	3594.8	3663.9
122.5°	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7	3400.1	3468.2
125°	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9	3142.6	3205.3
127.5°	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6	2935.8	2988.7
130°	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4	2805.3	2854.2
132.5°	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4	2694.0	2737.8
135°	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7	2536.7	2574.5
137.5°	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6	2420.8	2451.7
140°	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7	2327.6	2356.5
142.5°	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2	2262.3	2287.1
145°	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8	2164.4	2183.2
147.5°	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0	2082.2	2097.8
150°	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5	2035.0	2047.6
152.5°	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5	1997.5	2007.0
155°	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7	1952.7	1959.0
157.5°	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9	1914.1	1918.5
160°	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0	1894.7	1897.2
162.5°	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9	1876.6	1879.0
165°	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4	1848.8	1851.3
167.5°	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4	1836.7	1837.8
170°	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4	1836.7	1836.7
172.5°	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9	1827.0	1826.1
175°	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0	1813.7	1813.7
177.5°	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2	1811.3	1810.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3151.3	3142.6	3151.3	3145.5	3148.4	3139.7	3113.5	3104.8	3113.5	3122.2	3122.2
5°	3189.1	3183.3	3189.1	3189.1	3186.2	3180.4	3151.3	3145.5	3151.3	3154.2	3148.4
7.5°	3200.7	3192.0	3200.7	3194.9	3194.9	3189.1	3160.0	3154.2	3157.1	3165.8	3157.1
10°	3200.7	3192.0	3200.7	3197.8	3194.9	3189.1	3160.0	3148.4	3148.4	3157.1	3148.4
12.5°	3186.2	3180.4	3186.2	3180.4	3180.4	3174.5	3145.5	3133.8	3136.7	3139.7	3128.0
15°	3162.9	3154.2	3162.9	3157.1	3160.0	3151.3	3119.3	3107.7	3107.7	3113.5	3093.1
17.5°	3128.0	3116.4	3128.0	3125.1	3122.2	3116.4	3087.3	3075.7	3072.8	3075.7	3061.2
20°	3087.3	3078.6	3087.3	3084.4	3084.4	3072.8	3043.7	3029.2	3029.2	3029.2	3014.7
22.5°	3023.4	3014.7	3023.4	3029.2	3029.2	3026.3	3000.1	2979.8	2974.0	2974.0	2956.5
25°	2950.7	2942.0	2950.7	2950.7	2947.8	2950.7	2942.0	2930.4	2921.6	2912.9	2895.5
27.5°	2880.9	2875.1	2880.9	2875.1	2880.9	2872.2	2869.3	2866.4	2854.8	2846.0	2822.8
30°	2811.2	2805.4	2811.2	2805.4	2799.5	2793.7	2779.2	2773.4	2785.0	2779.2	2741.4
32.5°	2724.0	2718.1	2724.0	2724.0	2718.1	2718.1	2694.9	2686.2	2689.1	2706.5	2671.6
35°	2633.8	2625.1	2633.8	2630.9	2633.8	2625.1	2610.6	2607.7	2596.0	2616.4	2590.2
37.5°	2529.1	2520.4	2529.1	2529.1	2529.1	2534.9	2523.3	2514.6	2497.1	2523.3	2502.9
40°	2421.5	2409.9	2421.5	2418.6	2421.5	2427.3	2421.5	2415.7	2398.3	2418.6	2401.2
42.5°	2299.4	2296.5	2299.4	2302.3	2302.3	2314.0	2322.7	2311.1	2305.3	2290.7	2302.3
45°	2168.6	2162.8	2168.6	2174.4	2177.3	2183.2	2209.3	2209.3	2200.6	2177.3	2194.8
47.5°	2029.1	2014.6	2029.1	2046.5	2046.5	2055.2	2081.4	2101.8	2087.2	2058.2	2066.9
50°	1880.8	1883.7	1880.8	1892.5	1892.5	1924.4	1944.8	1965.1	1979.7	1944.8	1904.1
52.5°	1735.5	1732.6	1735.5	1744.2	1755.8	1770.4	1805.2	1825.6	1848.9	1828.5	1764.5
55°	1590.1	1595.9	1590.1	1593.0	1598.8	1607.6	1659.9	1680.2	1723.9	1697.7	1630.8
57.5°	1444.8	1436.1	1444.8	1450.6	1453.5	1462.2	1505.8	1543.6	1569.8	1572.7	1491.3
60°	1276.2	1264.5	1276.2	1302.3	1308.1	1314.0	1354.7	1389.5	1412.8	1421.5	1337.2
62.5°	1127.9	1107.6	1127.9	1145.4	1157.0	1171.5	1200.6	1252.9	1273.3	1276.2	1157.0
65°	970.9	962.2	970.9	1005.8	1008.7	1026.2	1058.1	1095.9	1139.5	1133.7	962.2
67.5°	828.5	828.5	828.5	851.8	869.2	877.9	918.6	936.1	991.3	997.1	802.3
70°	697.7	694.8	697.7	715.1	726.8	747.1	784.9	805.2	848.8	863.4	651.2
72.5°	572.7	569.8	572.7	587.2	598.8	616.3	648.3	671.5	709.3	726.8	505.8
75°	462.2	456.4	462.2	473.8	470.9	494.2	520.4	543.6	578.5	590.1	375.0
77.5°	354.7	354.7	354.7	366.3	366.3	389.5	401.2	430.2	450.6	468.0	276.2
80°	264.5	261.6	264.5	267.4	267.4	279.1	299.4	319.8	337.2	337.2	189.0
82.5°	186.0	180.2	186.0	186.0	186.0	191.9	203.5	209.3	220.9	229.7	119.2
85°	116.3	116.3	116.3	119.2	116.3	122.1	125.0	130.8	130.8	125.0	72.7
87.5°	75.6	72.7	75.6	72.7	72.7	69.8	69.8	69.8	66.9	64.0	40.7
90°	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0	53.2	33.8
92.5°	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4	328.1	233.3
95°	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5	807.3	454.7
97.5°	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4	1087.4	499.4
100°	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4	1189.4	536.8
102.5°	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6	1236.2	574.3
105°	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3	1270.8	629.9
107.5°	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6	1277.2	712.2
110°	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8	1267.5	758.1





TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7	1268.0	813.8
115°	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6	1279.7	897.2
117.5°	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1	1303.5	978.2
120°	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5	1322.9	1025.4
122.5°	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2	1350.7	1081.0
125°	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5	1388.1	1152.3
127.5°	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1	1425.6	1221.2
130°	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8	1453.0	1267.2
132.5°	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4	1475.1	1304.7
135°	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9	1499.3	1348.2
137.5°	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4	1535.6	1403.8
140°	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1	1557.8	1441.3
142.5°	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2	1576.3	1469.1
145°	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3	1600.5	1511.4
147.5°	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1	1636.0	1564.6
150°	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3	1654.6	1592.5
152.5°	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3	1666.6	1610.6
155°	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2	1693.2	1650.5
157.5°	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1	1719.9	1690.4
160°	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1	1731.9	1708.5
162.5°	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4	1744.8	1727.8
165°	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6	1763.3	1755.6
167.5°	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4	1777.8	1771.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4	1789.9	1789.5
172.5°	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1	1798.0	1801.7
177.5°	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1	1798.9	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3116.4	3099.0	3099.0	3069.9	3058.3	3049.5	3035.0	2991.4	2979.8	2968.1	2985.6
5°	3142.6	3110.6	3087.3	3035.0	2991.4	2974.0	2918.7	2814.1	2744.3	2692.0	2662.9
7.5°	3148.4	3107.7	3064.1	2982.7	2878.0	2831.5	2662.9	2471.0	2418.6	2372.1	2343.0
10°	3142.6	3096.1	3035.0	2912.9	2665.8	2584.4	2415.7	2290.7	2258.7	2250.0	2258.7
12.5°	3122.2	3078.6	2994.3	2790.8	2444.8	2389.6	2290.7	2218.0	2212.2	2226.8	2305.3
15°	3087.3	3046.6	2947.8	2628.0	2322.7	2282.0	2212.2	2186.1	2218.0	2319.8	2555.3
17.5°	3052.4	3005.9	2883.8	2468.0	2229.7	2200.6	2151.2	2203.5	2383.7	2520.4	2599.0
20°	3005.9	2950.7	2811.2	2351.8	2162.8	2136.6	2113.4	2348.9	2485.5	2534.9	2578.6
22.5°	2950.7	2892.6	2712.3	2270.4	2093.0	2072.7	2087.2	2430.3	2485.5	2520.4	2558.2
25°	2878.0	2828.6	2596.0	2206.4	2037.8	2014.6	2069.8	2421.5	2453.5	2462.2	2537.8
27.5°	2811.2	2747.2	2473.9	2148.3	1970.9	1962.2	2084.3	2383.7	2407.0	2415.7	2497.1
30°	2729.8	2633.8	2337.2	2087.2	1901.2	1898.3	2087.2	2337.2	2331.4	2354.7	2436.1
32.5°	2645.5	2465.1	2183.2	2011.6	1834.3	1831.4	2066.9	2267.5	2261.6	2293.6	2354.7
35°	2567.0	2334.3	1973.9	1924.4	1750.0	1752.9	2017.5	2186.1	2189.0	2218.0	2255.8
37.5°	2485.5	2220.9	1744.2	1828.5	1668.6	1668.6	1950.6	2110.5	2104.7	2113.4	2165.7
40°	2389.6	2043.6	1540.7	1703.5	1593.0	1584.3	1869.2	2029.1	2008.7	2005.8	2078.5
42.5°	2287.8	1848.9	1389.5	1537.8	1505.8	1494.2	1770.4	1930.2	1892.5	1901.2	1994.2
45°	2177.3	1796.5	1273.3	1299.4	1415.7	1407.0	1662.8	1816.9	1790.7	1814.0	1909.9
47.5°	2066.9	1691.9	1235.5	1078.5	1319.8	1316.9	1543.6	1706.4	1691.9	1715.1	1816.9
50°	1915.7	1575.6	1232.6	924.4	1212.2	1223.8	1401.2	1598.8	1598.8	1619.2	1726.8
52.5°	1720.9	1433.2	1119.2	837.2	1087.2	1122.1	1276.2	1505.8	1511.6	1532.0	1627.9
55°	1543.6	1284.9	1037.8	770.4	939.0	1014.5	1154.1	1409.9	1421.5	1441.9	1529.1
57.5°	1380.8	1069.8	1020.4	691.9	802.3	875.0	1046.5	1316.9	1322.7	1340.1	1424.4
60°	1206.4	773.3	936.1	607.6	683.1	738.4	947.7	1206.4	1226.8	1238.4	1311.1
62.5°	1008.7	561.1	848.8	549.4	625.0	636.6	866.3	1101.8	1127.9	1136.6	1180.2
65°	718.0	470.9	720.9	500.0	564.0	566.9	779.1	994.2	1017.4	1032.0	1064.0
67.5°	485.5	383.7	549.4	453.5	517.4	520.4	694.8	869.2	901.2	912.8	933.1
70°	337.2	255.8	407.0	404.1	465.1	470.9	604.7	755.8	784.9	793.6	805.2
72.5°	247.1	206.4	337.2	363.4	409.9	415.7	511.6	627.9	657.0	665.7	671.5
75°	189.0	218.0	273.3	316.9	348.8	351.7	418.6	511.6	532.0	537.8	540.7
77.5°	151.2	203.5	200.6	255.8	284.9	279.1	328.5	395.4	412.8	412.8	412.8
80°	113.4	159.9	151.2	183.1	209.3	203.5	235.5	282.0	287.8	293.6	290.7
82.5°	84.3	101.7	101.7	116.3	139.5	133.7	157.0	183.1	183.1	183.1	189.0
85°	52.3	58.1	46.5	61.0	78.5	75.6	87.2	98.8	101.7	101.7	95.9
87.5°	32.0	26.2	14.5	23.3	34.9	34.9	40.7	43.6	40.7	40.7	40.7
90°	31.4	21.8	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2
92.5°	212.8	130.5	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7
95°	417.1	266.6	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1
97.5°	466.2	333.4	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8
100°	506.7	386.3	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1
102.5°	546.2	433.9	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1
105°	606.2	511.1	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4
107.5°	690.0	601.4	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5
110°	738.1	658.0	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.7	718.4	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9
115°	879.6	809.2	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5
117.5°	962.2	898.3	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6
120°	1010.4	950.1	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8
122.5°	1065.8	1005.1	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7
125°	1138.5	1083.1	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9
127.5°	1207.3	1151.4	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6
130°	1252.1	1192.0	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4
132.5°	1289.6	1229.5	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4
135°	1334.5	1279.7	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7
137.5°	1390.2	1336.0	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6
140°	1428.8	1378.9	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7
142.5°	1457.6	1411.3	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2
145°	1501.4	1461.1	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8
147.5°	1554.9	1515.6	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0
150°	1583.5	1548.1	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5
152.5°	1603.9	1577.0	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5
155°	1645.6	1625.6	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7
157.5°	1685.6	1666.2	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9
160°	1704.8	1689.7	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0
162.5°	1725.0	1713.7	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9
165°	1753.1	1742.8	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4
167.5°	1770.2	1765.3	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4
170°	1788.4	1783.5	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4
172.5°	1790.4	1789.4	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9
175°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0
177.5°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	2965.2	2956.5	2968.1	2936.2	2968.1	2956.5	2965.2	2985.6	2968.1	2979.8	2991.4
5°	2601.9	2587.3	2540.7	2502.9	2540.7	2587.3	2601.9	2662.9	2692.0	2744.3	2814.1
7.5°	2325.6	2314.0	2302.3	2279.1	2302.3	2314.0	2325.6	2343.0	2372.1	2418.6	2471.0
10°	2264.6	2267.5	2284.9	2282.0	2284.9	2267.5	2264.6	2258.7	2250.0	2258.7	2290.7
12.5°	2421.5	2447.7	2543.6	2537.8	2543.6	2447.7	2421.5	2305.3	2226.8	2212.2	2218.0
15°	2601.9	2610.6	2630.9	2633.8	2630.9	2610.6	2601.9	2555.3	2319.8	2218.0	2186.1
17.5°	2619.3	2622.2	2636.7	2636.7	2636.7	2622.2	2619.3	2599.0	2520.4	2383.7	2203.5
20°	2604.8	2610.6	2639.7	2645.5	2639.7	2610.6	2604.8	2578.6	2534.9	2485.5	2348.9
22.5°	2599.0	2610.6	2633.8	2630.9	2633.8	2610.6	2599.0	2558.2	2520.4	2485.5	2430.3
25°	2569.9	2569.9	2572.8	2575.7	2572.8	2569.9	2569.9	2537.8	2462.2	2453.5	2421.5
27.5°	2508.7	2514.6	2532.0	2529.1	2532.0	2514.6	2508.7	2497.1	2415.7	2407.0	2383.7
30°	2453.5	2447.7	2433.2	2421.5	2433.2	2447.7	2453.5	2436.1	2354.7	2331.4	2337.2
32.5°	2360.5	2345.9	2331.4	2322.7	2331.4	2345.9	2360.5	2354.7	2293.6	2261.6	2267.5
35°	2250.0	2252.9	2250.0	2241.3	2250.0	2252.9	2250.0	2255.8	2218.0	2189.0	2186.1
37.5°	2171.5	2177.3	2174.4	2162.8	2174.4	2177.3	2171.5	2165.7	2113.4	2104.7	2110.5
40°	2090.1	2093.0	2090.1	2081.4	2090.1	2093.0	2090.1	2078.5	2005.8	2008.7	2029.1
42.5°	2011.6	2008.7	2000.0	1994.2	2000.0	2008.7	2011.6	1994.2	1901.2	1892.5	1930.2
45°	1921.5	1924.4	1907.0	1898.3	1907.0	1924.4	1921.5	1909.9	1814.0	1790.7	1816.9
47.5°	1831.4	1831.4	1816.9	1808.2	1816.9	1831.4	1831.4	1816.9	1715.1	1691.9	1706.4
50°	1735.5	1732.6	1712.2	1709.3	1712.2	1732.6	1735.5	1726.8	1619.2	1598.8	1598.8
52.5°	1625.0	1625.0	1627.9	1633.7	1627.9	1625.0	1625.0	1627.9	1532.0	1511.6	1505.8
55°	1529.1	1532.0	1552.3	1558.2	1552.3	1532.0	1529.1	1529.1	1441.9	1421.5	1409.9
57.5°	1430.2	1430.2	1444.8	1444.8	1444.8	1430.2	1430.2	1424.4	1340.1	1322.7	1316.9
60°	1316.9	1322.7	1334.3	1331.4	1334.3	1322.7	1316.9	1311.1	1238.4	1226.8	1206.4
62.5°	1197.7	1203.5	1206.4	1200.6	1206.4	1203.5	1197.7	1180.2	1136.6	1127.9	1101.8
65°	1072.7	1078.5	1081.4	1075.6	1081.4	1078.5	1072.7	1064.0	1032.0	1017.4	994.2
67.5°	944.8	941.9	939.0	950.6	939.0	941.9	944.8	933.1	912.8	901.2	869.2
70°	814.0	814.0	811.1	816.9	811.1	814.0	814.0	805.2	793.6	784.9	755.8
72.5°	674.4	671.5	683.1	674.4	683.1	671.5	674.4	671.5	665.7	657.0	627.9
75°	537.8	543.6	537.8	546.5	537.8	543.6	537.8	540.7	537.8	532.0	511.6
77.5°	409.9	415.7	409.9	409.9	409.9	415.7	409.9	412.8	412.8	412.8	395.4
80°	290.7	287.8	287.8	284.9	287.8	287.8	290.7	290.7	293.6	287.8	282.0
82.5°	186.0	183.1	183.1	189.0	183.1	183.1	186.0	189.0	183.1	183.1	183.1
85°	101.7	104.7	98.8	98.8	98.8	104.7	101.7	95.9	101.7	101.7	98.8
87.5°	37.8	34.9	34.9	34.9	34.9	34.9	37.8	40.7	40.7	40.7	43.6
90°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0
92.5°	229.7	220.6	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4
95°	779.9	752.1	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5
97.5°	1800.4	1747.8	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4
100°	2528.3	2465.6	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4
102.5°	3149.8	3096.1	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6
105°	3875.3	3846.4	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3
107.5°	4252.6	4259.5	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6
110°	4349.3	4379.4	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4287.6	4333.9	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7
115°	4078.4	4142.5	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6
117.5°	3789.5	3860.5	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1
120°	3594.8	3663.9	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5
122.5°	3400.1	3468.2	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2
125°	3142.6	3205.3	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5
127.5°	2935.8	2988.7	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1
130°	2805.3	2854.2	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8
132.5°	2694.0	2737.8	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4
135°	2536.7	2574.5	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9
137.5°	2420.8	2451.7	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4
140°	2327.6	2356.5	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1
142.5°	2262.3	2287.1	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2
145°	2164.4	2183.2	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3
147.5°	2082.2	2097.8	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1
150°	2035.0	2047.6	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3
152.5°	1997.5	2007.0	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3
155°	1952.7	1959.0	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2
157.5°	1914.1	1918.5	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1
160°	1894.7	1897.2	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1
162.5°	1876.6	1879.0	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4
165°	1848.8	1851.3	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6
167.5°	1836.7	1837.8	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4
172.5°	1827.0	1826.1	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1
177.5°	1811.3	1810.2	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3035.0	3049.5	3058.3	3069.9	3099.0
5°	2918.7	2974.0	2991.4	3035.0	3087.3
7.5°	2662.9	2831.5	2878.0	2982.7	3064.1
10°	2415.7	2584.4	2665.8	2912.9	3035.0
12.5°	2290.7	2389.6	2444.8	2790.8	2994.3
15°	2212.2	2282.0	2322.7	2628.0	2947.8
17.5°	2151.2	2200.6	2229.7	2468.0	2883.8
20°	2113.4	2136.6	2162.8	2351.8	2811.2
22.5°	2087.2	2072.7	2093.0	2270.4	2712.3
25°	2069.8	2014.6	2037.8	2206.4	2596.0
27.5°	2084.3	1962.2	1970.9	2148.3	2473.9
30°	2087.2	1898.3	1901.2	2087.2	2337.2
32.5°	2066.9	1831.4	1834.3	2011.6	2183.2
35°	2017.5	1752.9	1750.0	1924.4	1973.9
37.5°	1950.6	1668.6	1668.6	1828.5	1744.2
40°	1869.2	1584.3	1593.0	1703.5	1540.7
42.5°	1770.4	1494.2	1505.8	1537.8	1389.5
45°	1662.8	1407.0	1415.7	1299.4	1273.3
47.5°	1543.6	1316.9	1319.8	1078.5	1235.5
50°	1401.2	1223.8	1212.2	924.4	1232.6
52.5°	1276.2	1122.1	1087.2	837.2	1119.2
55°	1154.1	1014.5	939.0	770.4	1037.8
57.5°	1046.5	875.0	802.3	691.9	1020.4
60°	947.7	738.4	683.1	607.6	936.1
62.5°	866.3	636.6	625.0	549.4	848.8
65°	779.1	566.9	564.0	500.0	720.9
67.5°	694.8	520.4	517.4	453.5	549.4
70°	604.7	470.9	465.1	404.1	407.0
72.5°	511.6	415.7	409.9	363.4	337.2
75°	418.6	351.7	348.8	316.9	273.3
77.5°	328.5	279.1	284.9	255.8	200.6
80°	235.5	203.5	209.3	183.1	151.2
82.5°	157.0	133.7	139.5	116.3	101.7
85°	87.2	75.6	78.5	61.0	46.5
87.5°	40.7	34.9	34.9	23.3	14.5
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.1	233.3	212.8	130.5	48.4
95°	807.3	454.7	417.1	266.6	116.1
97.5°	1087.4	499.4	466.2	333.4	200.7
100°	1189.4	536.8	506.7	386.3	266.0
102.5°	1236.2	574.3	546.2	433.9	321.6
105°	1270.8	629.9	606.2	511.1	416.0
107.5°	1277.2	712.2	690.0	601.4	512.7
110°	1267.5	758.1	738.1	658.0	578.0



TEST NUMBER: P935179

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1268.0	813.8	794.7	718.4	642.1
115°	1279.7	897.2	879.6	809.2	738.8
117.5°	1303.5	978.2	962.2	898.3	834.3
120°	1322.9	1025.4	1010.4	950.1	889.9
122.5°	1350.7	1081.0	1065.8	1005.1	944.4
125°	1388.1	1152.3	1138.5	1083.1	1027.8
127.5°	1425.6	1221.2	1207.3	1151.4	1095.5
130°	1453.0	1267.2	1252.1	1192.0	1131.8
132.5°	1475.1	1304.7	1289.6	1229.5	1169.3
135°	1499.3	1348.2	1334.5	1279.7	1224.9
137.5°	1535.6	1403.8	1390.2	1336.0	1281.7
140°	1557.8	1441.3	1428.8	1378.9	1328.9
142.5°	1576.3	1469.1	1457.6	1411.3	1365.1
145°	1600.5	1511.4	1501.4	1461.1	1420.7
147.5°	1636.0	1564.6	1554.9	1515.6	1476.4
150°	1654.6	1592.5	1583.5	1548.1	1512.6
152.5°	1666.6	1610.6	1603.9	1577.0	1550.1
155°	1693.2	1650.5	1645.6	1625.6	1605.7
157.5°	1719.9	1690.4	1685.6	1666.2	1646.8
160°	1731.9	1708.5	1704.8	1689.7	1674.6
162.5°	1744.8	1727.8	1725.0	1713.7	1702.4
165°	1763.3	1755.6	1753.1	1742.8	1732.7
167.5°	1777.8	1771.4	1770.2	1765.3	1760.5
170°	1789.9	1789.5	1788.4	1783.5	1778.7
172.5°	1790.7	1790.7	1790.4	1789.4	1788.3
175°	1798.0	1801.7	1801.7	1801.7	1801.7
177.5°	1798.9	1801.7	1801.7	1801.7	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935179  
 CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-3500K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.70	12.48	12.73	13.52	14.92	14.55	15.33	15.58	16.37	17.77
	3H	12.17	12.87	13.21	13.92	15.34	15.89	16.59	16.94	17.64	19.06
	4H	12.35	13.02	13.41	14.07	15.50	16.34	17.00	17.39	18.05	19.48
	6H	12.47	13.08	13.53	14.14	15.57	16.62	17.24	17.69	18.29	19.73
	8H	12.47	13.05	13.54	14.12	15.55	16.70	17.28	17.77	18.35	19.79
	12H	12.44	12.99	13.51	14.05	15.51	16.74	17.29	17.81	18.36	19.81
4H	2H	12.72	13.39	13.79	14.44	15.87	14.95	15.61	16.01	16.66	18.09
	3H	13.74	14.30	14.81	15.38	16.82	16.45	17.00	17.52	18.08	19.52
	4H	14.02	14.52	15.09	15.59	17.06	16.98	17.49	18.06	18.56	20.02
	6H	14.14	14.57	15.22	15.67	17.12	17.35	17.78	18.43	18.88	20.33
	8H	14.14	14.55	15.23	15.63	17.10	17.45	17.86	18.54	18.95	20.42
	12H	14.10	14.47	15.21	15.57	17.05	17.51	17.88	18.61	18.98	20.45
8H	4H	14.47	14.87	15.55	15.96	17.43	17.10	17.50	18.18	18.59	20.06
	6H	14.73	15.06	15.83	16.19	17.66	17.54	17.87	18.64	19.00	20.47
	8H	14.77	15.06	15.88	16.17	17.66	17.69	17.99	18.81	19.09	20.58
	12H	14.75	15.01	15.87	16.11	17.64	17.79	18.05	18.91	19.15	20.68
12H	4H	14.47	14.84	15.57	15.94	17.41	17.06	17.43	18.16	18.53	20.00
	6H	14.79	15.08	15.90	16.19	17.68	17.53	17.83	18.65	18.94	20.42
	8H	14.85	15.11	15.97	16.21	17.74	17.69	17.95	18.81	19.06	20.58