

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: P935527

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

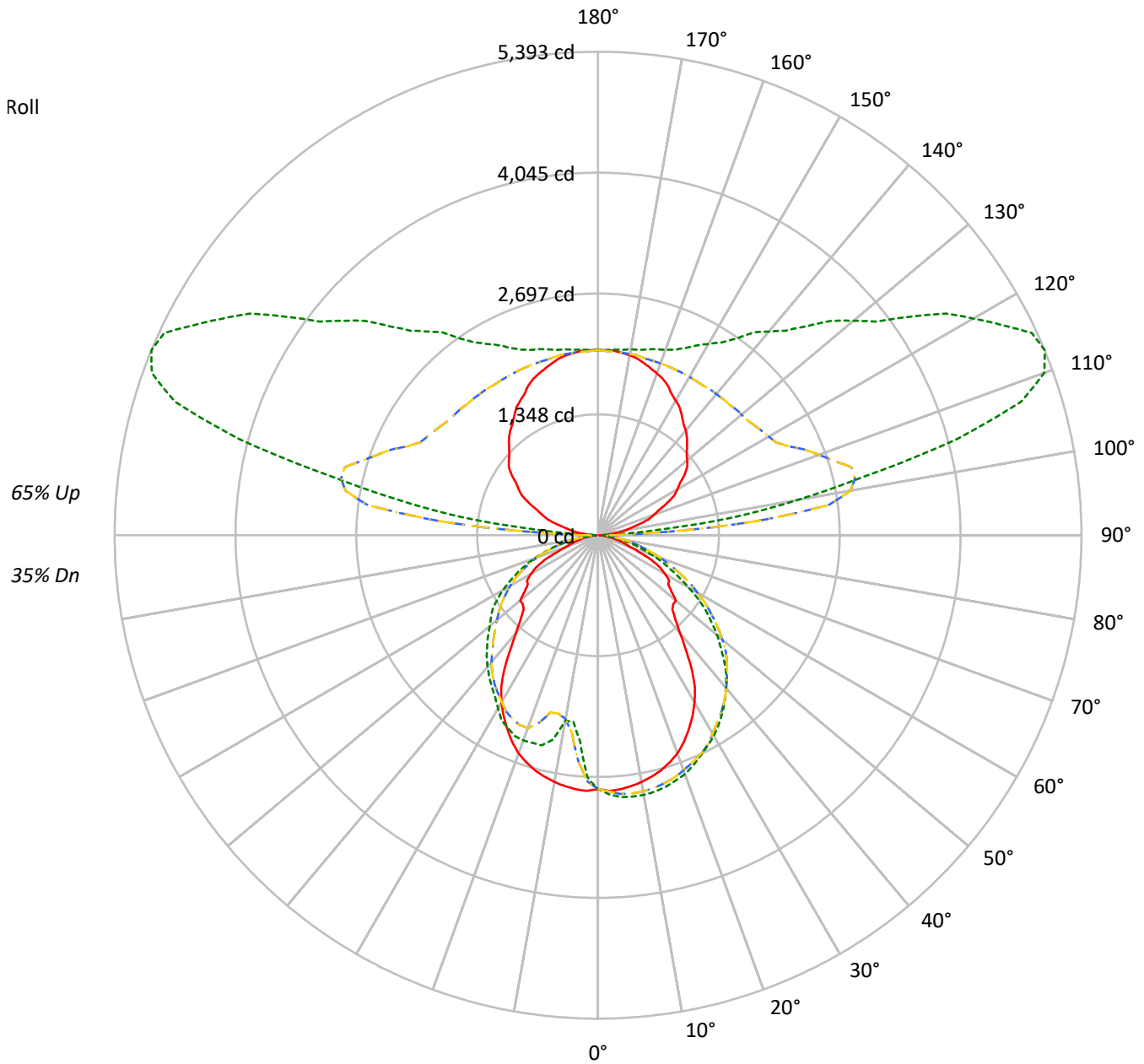
Test Method: LM-79-2019  
Report Number: P935527  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20739.0 lumens  
Efficiency: N/A  
Efficacy: 124.3 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: Semi-Indirect  
  
Input Watts (W): 166.8  
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: P935527  
CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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

	0°	90°	180°	270°
0°	8755	8755	8755	8755
5°	8824	8838	8824	6949
10°	8768	8706	8768	6224
15°	8676	8517	8676	7112
20°	8498	8294	8498	7127
25°	8130	7968	8130	6976
30°	7653	7697	7653	6644
35°	6826	7355	6826	6280
40°	5691	6952	5691	6004
45°	5088	6480	5088	5688
50°	5410	5918	5410	5370
55°	5095	5312	5095	5186
60°	5258	4512	5258	4750
65°	4775	3730	4775	4169
70°	3315	2972	3315	3495
75°	2917	2197	2917	2631
80°	2368	1452	2368	1581
85°	1387	769	1387	654

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7793 cd/sqm



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.5	1.2
10°-20°	725.5	3.5
20°-30°	1121.4	5.4
30°-40°	1338.7	6.5
40°-50°	1346.6	6.5
50°-60°	1171.7	5.6
60°-70°	830.7	4.0
70°-80°	439.5	2.1
80°-90°	117.3	0.6
90°-100°	1007.0	4.9
100°-110°	2647.5	12.8
110°-120°	2745.1	13.2
120°-130°	2201.9	10.6
130°-140°	1727.7	8.3
140°-150°	1326.1	6.4
150°-160°	955.0	4.6
160°-170°	584.3	2.8
170°-180°	197.4	1.0
0°-30°	2102.4	10.1
0°-40°	3441.1	16.6
0°-60°	5959.3	28.7
0°-90°	7346.9	35.4
90°-120°	6399.6	30.9
90°-150°	11655.4	56.2
90°-180°	13392.0	64.6
0°-180°	20739.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2831	2831	2831	2831	2831	
5°	2844	2932	2844	2306	2844	270
15°	2715	2906	2715	2426	2715	764
25°	2391	2710	2391	2373	2391	1098
35°	1818	2418	1818	2065	1818	1125
45°	1173	1992	1173	1749	1173	940
55°	956	1470	956	1435	956	878
65°	664	886	664	991	664	635
75°	252	420	252	503	252	265
85°	43	107	43	91	43	58
90°	14	53	14	53	14	13
95°	133	609	133	609	133	148
105°	477	4146	477	4146	477	506
115°	847	5338	847	5338	847	837
125°	1178	4251	1178	4251	1178	1046
135°	1404	3298	1404	3298	1404	1087
145°	1629	2676	1629	2676	1629	1021
155°	1841	2304	1841	2304	1841	846
165°	1987	2146	1987	2146	1987	561
175°	2066	2080	2066	2080	2066	196
180°	2066	2066	2066	2066	2066	



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2854.7	2854.7	2870.8	2876.1	2876.1	2868.1	2860.0	2868.1	2892.2	2900.2	2897.5
5°	2844.0	2865.4	2894.9	2900.2	2905.6	2902.9	2897.5	2902.9	2929.7	2935.0	2937.7
7.5°	2822.6	2862.7	2900.2	2908.2	2916.3	2908.2	2905.6	2910.9	2937.7	2943.1	2943.1
10°	2795.8	2852.0	2894.9	2900.2	2908.2	2900.2	2900.2	2910.9	2937.7	2943.1	2945.7
12.5°	2758.3	2835.9	2876.1	2881.5	2892.2	2889.5	2886.8	2897.5	2924.3	2929.7	2929.7
15°	2715.4	2806.5	2844.0	2849.3	2868.1	2862.7	2862.7	2873.4	2902.9	2910.9	2908.2
17.5°	2656.5	2769.0	2811.8	2819.9	2833.3	2830.6	2833.3	2844.0	2870.8	2876.1	2878.8
20°	2589.6	2718.1	2769.0	2777.0	2790.4	2790.4	2790.4	2803.8	2830.6	2841.3	2841.3
22.5°	2498.5	2664.6	2718.1	2723.5	2739.5	2739.5	2744.9	2763.6	2787.7	2790.4	2790.4
25°	2391.4	2605.6	2651.2	2667.2	2683.3	2691.3	2699.4	2710.1	2718.1	2715.4	2718.1
27.5°	2278.9	2530.7	2589.6	2600.3	2621.7	2629.7	2640.5	2643.1	2645.8	2653.8	2648.5
30°	2153.0	2426.2	2514.6	2525.3	2560.1	2565.5	2554.8	2560.1	2573.5	2578.9	2584.2
32.5°	2011.1	2270.8	2436.9	2461.0	2493.2	2477.1	2474.4	2482.5	2503.9	2503.9	2509.2
35°	1818.3	2150.3	2364.6	2386.1	2410.2	2391.4	2402.1	2404.8	2418.2	2426.2	2423.6
37.5°	1606.7	2045.9	2289.6	2305.6	2324.4	2300.3	2316.3	2324.4	2335.1	2329.7	2329.7
40°	1419.3	1882.5	2201.2	2211.9	2228.0	2209.2	2225.3	2230.7	2236.0	2230.7	2228.0
42.5°	1280.0	1703.1	2107.5	2120.9	2110.2	2123.5	2128.9	2139.6	2131.6	2120.9	2120.9
45°	1172.9	1654.9	2005.7	2021.8	2005.7	2027.1	2035.2	2035.2	2011.1	2005.7	2003.0
47.5°	1138.1	1558.5	1904.0	1904.0	1895.9	1922.7	1936.1	1917.3	1893.2	1885.2	1885.2
50°	1135.4	1451.4	1764.7	1754.0	1791.5	1823.6	1810.2	1791.5	1772.7	1743.3	1743.3
52.5°	1031.0	1320.2	1585.3	1625.5	1684.4	1703.1	1681.7	1663.0	1630.8	1617.4	1606.7
55°	956.0	1183.6	1421.9	1502.3	1563.9	1588.0	1547.8	1529.1	1480.9	1472.8	1467.5
57.5°	939.9	985.5	1272.0	1373.7	1448.7	1446.0	1421.9	1387.1	1347.0	1338.9	1336.3
60°	862.3	712.3	1111.3	1231.8	1309.5	1301.4	1280.0	1247.9	1210.4	1205.0	1199.7
62.5°	781.9	516.8	929.2	1065.8	1175.6	1172.9	1154.2	1106.0	1079.2	1065.8	1055.1
65°	664.1	433.8	661.4	886.4	1044.4	1049.7	1009.6	974.7	945.3	929.2	926.5
67.5°	506.1	353.5	447.2	739.1	918.5	913.2	862.3	846.2	808.7	800.7	784.6
70°	374.9	235.7	310.6	599.8	795.3	781.9	741.8	723.0	688.2	669.5	658.8
72.5°	310.6	190.1	227.6	465.9	669.5	653.4	618.6	597.2	567.7	551.6	540.9
75°	251.7	200.8	174.1	345.4	543.6	532.9	500.8	479.3	455.2	433.8	436.5
77.5°	184.8	187.5	139.2	254.4	431.1	415.1	396.3	369.5	358.8	337.4	337.4
80°	139.2	147.3	104.4	174.1	310.6	310.6	294.6	275.8	257.1	246.4	246.4
82.5°	93.7	93.7	77.7	109.8	211.6	203.5	192.8	187.5	176.7	171.4	171.4
85°	42.8	53.6	48.2	66.9	115.1	120.5	120.5	115.1	112.5	107.1	109.8
87.5°	13.4	24.1	29.5	37.5	58.9	61.6	64.3	64.3	64.3	66.9	66.9
90°	13.8	24.9	36.1	38.8	61.0	90.5	105.3	93.6	70.2	52.7	52.7
92.5°	55.4	149.7	244.0	267.6	376.2	521.0	593.4	520.0	373.4	263.4	253.0
95°	133.1	305.6	478.2	521.3	925.6	1464.9	1734.4	1547.7	1174.3	894.3	862.5
97.5°	230.1	382.3	534.6	572.6	1246.9	2145.9	2595.5	2477.5	2241.5	2064.5	2004.0
100°	305.0	443.1	581.1	615.6	1363.8	2361.5	2860.3	2869.0	2886.2	2899.1	2827.2
102.5°	368.8	497.6	626.4	658.6	1417.5	2429.3	2935.2	3085.5	3386.2	3611.8	3550.2
105°	476.9	586.0	695.1	722.4	1457.2	2436.9	2926.8	3263.9	3938.1	4443.6	4410.5
107.5°	587.9	689.5	791.2	816.7	1464.6	2328.6	2760.5	3230.7	4170.9	4876.2	4884.2
110°	662.8	754.5	846.4	869.3	1453.5	2232.4	2621.8	3147.5	4198.7	4987.2	5021.7



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	736.2	823.7	911.2	933.1	1453.9	2148.4	2495.7	3033.7	4109.5	4916.5	4969.5
115°	847.1	927.8	1008.6	1028.7	1467.4	2052.1	2344.6	2862.8	3899.2	4676.6	4750.1
117.5°	956.7	1030.0	1103.4	1121.7	1494.6	1991.9	2240.6	2708.3	3643.7	4345.2	4426.7
120°	1020.4	1089.4	1158.5	1175.8	1516.8	1971.6	2199.0	2626.4	3481.0	4122.0	4201.2
122.5°	1082.8	1152.5	1222.1	1239.5	1548.7	1961.0	2167.1	2551.9	3321.5	3898.8	3976.9
125°	1178.5	1242.0	1305.5	1321.3	1591.7	1952.2	2132.4	2459.3	3113.1	3603.4	3675.4
127.5°	1256.2	1320.3	1384.4	1400.3	1634.7	1947.1	2103.3	2383.9	2945.3	3366.3	3427.0
130°	1297.8	1366.8	1435.8	1453.0	1666.1	1950.2	2092.2	2342.1	2841.8	3216.6	3272.7
132.5°	1340.7	1409.7	1478.8	1496.0	1691.5	1952.2	2082.5	2306.2	2753.6	3089.1	3139.3
135°	1404.5	1467.4	1530.2	1545.9	1719.3	1950.4	2065.9	2253.2	2627.9	2908.9	2952.2
137.5°	1469.7	1531.9	1594.1	1609.7	1760.8	1962.3	2063.1	2221.5	2538.2	2775.7	2811.1
140°	1523.7	1581.0	1638.3	1652.7	1786.2	1964.3	2053.4	2190.1	2463.7	2668.9	2702.1
142.5°	1565.3	1618.3	1671.3	1684.6	1807.5	1971.4	2053.4	2173.5	2413.9	2594.1	2622.6
145°	1629.1	1675.4	1721.6	1733.1	1835.2	1971.4	2039.5	2137.8	2334.4	2481.8	2503.4
147.5°	1692.9	1737.8	1782.8	1794.1	1875.9	1985.0	2039.5	2116.8	2271.5	2387.5	2405.3
150°	1734.4	1775.2	1815.9	1826.0	1897.2	1992.1	2039.5	2104.9	2235.5	2333.4	2347.9
152.5°	1777.5	1808.3	1839.2	1846.8	1911.1	1996.7	2039.5	2095.3	2206.8	2290.5	2301.4
155°	1841.2	1864.1	1886.8	1892.5	1941.5	2006.9	2039.5	2083.9	2172.6	2239.1	2246.4
157.5°	1888.4	1910.6	1932.8	1938.3	1972.1	2017.1	2039.5	2074.0	2143.0	2194.8	2199.9
160°	1920.3	1937.5	1954.8	1959.1	1985.9	2021.7	2039.5	2069.1	2128.3	2172.6	2175.6
162.5°	1952.2	1965.1	1978.0	1981.3	2000.7	2026.6	2039.5	2064.5	2114.4	2151.8	2154.6
165°	1986.8	1998.5	2010.2	2013.1	2022.0	2033.7	2039.5	2057.4	2093.1	2119.9	2122.8
167.5°	2018.7	2024.3	2029.8	2031.2	2038.6	2048.5	2053.4	2065.1	2088.5	2106.0	2107.3
170°	2039.5	2045.1	2050.6	2052.0	2052.4	2053.0	2053.4	2065.1	2088.5	2106.0	2106.0
172.5°	2050.6	2051.9	2053.1	2053.4	2053.4	2053.4	2053.4	2062.7	2081.1	2095.0	2093.9
175°	2065.9	2065.9	2065.9	2065.9	2061.7	2056.2	2053.4	2059.3	2071.0	2079.7	2079.7
177.5°	2065.9	2065.9	2065.9	2065.9	2062.7	2058.3	2056.2	2060.8	2070.0	2076.9	2075.7
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2902.9	2894.9	2902.9	2897.5	2900.2	2892.2	2868.1	2860.0	2868.1	2876.1	2876.1
5°	2937.7	2932.3	2937.7	2937.7	2935.0	2929.7	2902.9	2897.5	2902.9	2905.6	2900.2
7.5°	2948.4	2940.4	2948.4	2943.1	2943.1	2937.7	2910.9	2905.6	2908.2	2916.3	2908.2
10°	2948.4	2940.4	2948.4	2945.7	2943.1	2937.7	2910.9	2900.2	2900.2	2908.2	2900.2
12.5°	2935.0	2929.7	2935.0	2929.7	2929.7	2924.3	2897.5	2886.8	2889.5	2892.2	2881.5
15°	2913.6	2905.6	2913.6	2908.2	2910.9	2902.9	2873.4	2862.7	2862.7	2868.1	2849.3
17.5°	2881.5	2870.8	2881.5	2878.8	2876.1	2870.8	2844.0	2833.3	2830.6	2833.3	2819.9
20°	2844.0	2835.9	2844.0	2841.3	2841.3	2830.6	2803.8	2790.4	2790.4	2790.4	2777.0
22.5°	2785.1	2777.0	2785.1	2790.4	2790.4	2787.7	2763.6	2744.9	2739.5	2739.5	2723.5
25°	2718.1	2710.1	2718.1	2718.1	2715.4	2718.1	2710.1	2699.4	2691.3	2683.3	2667.2
27.5°	2653.8	2648.5	2653.8	2648.5	2653.8	2645.8	2643.1	2640.5	2629.7	2621.7	2600.3
30°	2589.6	2584.2	2589.6	2584.2	2578.9	2573.5	2560.1	2554.8	2565.5	2560.1	2525.3
32.5°	2509.2	2503.9	2509.2	2509.2	2503.9	2503.9	2482.5	2474.4	2477.1	2493.2	2461.0
35°	2426.2	2418.2	2426.2	2423.6	2426.2	2418.2	2404.8	2402.1	2391.4	2410.2	2386.1
37.5°	2329.7	2321.7	2329.7	2329.7	2329.7	2335.1	2324.4	2316.3	2300.3	2324.4	2305.6
40°	2230.7	2219.9	2230.7	2228.0	2230.7	2236.0	2230.7	2225.3	2209.2	2228.0	2211.9
42.5°	2118.2	2115.5	2118.2	2120.9	2120.9	2131.6	2139.6	2128.9	2123.5	2110.2	2120.9
45°	1997.7	1992.3	1997.7	2003.0	2005.7	2011.1	2035.2	2035.2	2027.1	2005.7	2021.8
47.5°	1869.1	1855.8	1869.1	1885.2	1885.2	1893.2	1917.3	1936.1	1922.7	1895.9	1904.0
50°	1732.6	1735.3	1732.6	1743.3	1743.3	1772.7	1791.5	1810.2	1823.6	1791.5	1754.0
52.5°	1598.7	1596.0	1598.7	1606.7	1617.4	1630.8	1663.0	1681.7	1703.1	1684.4	1625.5
55°	1464.8	1470.1	1464.8	1467.5	1472.8	1480.9	1529.1	1547.8	1588.0	1563.9	1502.3
57.5°	1330.9	1322.9	1330.9	1336.3	1338.9	1347.0	1387.1	1421.9	1446.0	1448.7	1373.7
60°	1175.6	1164.9	1175.6	1199.7	1205.0	1210.4	1247.9	1280.0	1301.4	1309.5	1231.8
62.5°	1039.0	1020.3	1039.0	1055.1	1065.8	1079.2	1106.0	1154.2	1172.9	1175.6	1065.8
65°	894.4	886.4	894.4	926.5	929.2	945.3	974.7	1009.6	1049.7	1044.4	886.4
67.5°	763.2	763.2	763.2	784.6	800.7	808.7	846.2	862.3	913.2	918.5	739.1
70°	642.7	640.0	642.7	658.8	669.5	688.2	723.0	741.8	781.9	795.3	599.8
72.5°	527.5	524.9	527.5	540.9	551.6	567.7	597.2	618.6	653.4	669.5	465.9
75°	425.8	420.4	425.8	436.5	433.8	455.2	479.3	500.8	532.9	543.6	345.4
77.5°	326.7	326.7	326.7	337.4	337.4	358.8	369.5	396.3	415.1	431.1	254.4
80°	243.7	241.0	243.7	246.4	246.4	257.1	275.8	294.6	310.6	310.6	174.1
82.5°	171.4	166.0	171.4	171.4	171.4	176.7	187.5	192.8	203.5	211.6	109.8
85°	107.1	107.1	107.1	109.8	107.1	112.5	115.1	120.5	120.5	115.1	66.9
87.5°	69.6	66.9	69.6	66.9	66.9	64.3	64.3	64.3	61.6	58.9	37.5
90°	52.7	52.7	52.7	52.7	52.7	70.2	93.6	105.3	90.5	61.0	38.8
92.5°	211.0	169.2	211.0	253.0	263.4	373.4	520.0	593.4	521.0	376.2	267.6
95°	735.6	608.7	735.6	862.5	894.3	1174.3	1547.7	1734.4	1464.9	925.6	521.3
97.5°	1762.5	1520.9	1762.5	2004.0	2064.5	2241.5	2477.5	2595.5	2145.9	1246.9	572.6
100°	2539.4	2251.6	2539.4	2827.2	2899.1	2886.2	2869.0	2860.3	2361.5	1363.8	615.6
102.5°	3303.7	3057.2	3303.7	3550.2	3611.8	3386.2	3085.5	2935.2	2429.3	1417.5	658.6
105°	4278.1	4145.6	4278.1	4410.5	4443.6	3938.1	3263.9	2926.8	2436.9	1457.2	722.4
107.5°	4916.3	4948.3	4916.3	4884.2	4876.2	4170.9	3230.7	2760.5	2328.6	1464.6	816.7
110°	5159.7	5297.7	5159.7	5021.7	4987.2	4198.7	3147.5	2621.8	2232.4	1453.5	869.3





TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5181.4	5393.4	5181.4	4969.5	4916.5	4109.5	3033.7	2495.7	2148.4	1453.9	933.1
115°	5044.0	5338.0	5044.0	4750.1	4676.6	3899.2	2862.8	2344.6	2052.1	1467.4	1028.7
117.5°	4752.7	5078.7	4752.7	4426.7	4345.2	3643.7	2708.3	2240.6	1991.9	1494.6	1121.7
120°	4517.9	4834.6	4517.9	4201.2	4122.0	3481.0	2626.4	2199.0	1971.6	1516.8	1175.8
122.5°	4289.3	4601.7	4289.3	3976.9	3898.8	3321.5	2551.9	2167.1	1961.0	1548.7	1239.5
125°	3963.1	4250.9	3963.1	3675.4	3603.4	3113.1	2459.3	2132.4	1952.2	1591.7	1321.3
127.5°	3669.8	3912.6	3669.8	3427.0	3366.3	2945.3	2383.9	2103.3	1947.1	1634.7	1400.3
130°	3497.0	3721.3	3497.0	3272.7	3216.6	2841.8	2342.1	2092.2	1950.2	1666.1	1453.0
132.5°	3340.2	3541.0	3340.2	3139.3	3089.1	2753.6	2306.2	2082.5	1952.2	1691.5	1496.0
135°	3125.2	3298.4	3125.2	2952.2	2908.9	2627.9	2253.2	2065.9	1950.4	1719.3	1545.9
137.5°	2952.9	3094.6	2952.9	2811.1	2775.7	2538.2	2221.5	2063.1	1962.3	1760.8	1609.7
140°	2834.6	2967.1	2834.6	2702.1	2668.9	2463.7	2190.1	2053.4	1964.3	1786.2	1652.7
142.5°	2736.6	2850.6	2736.6	2622.6	2594.1	2413.9	2173.5	2053.4	1971.4	1807.5	1684.6
145°	2589.6	2675.9	2589.6	2503.4	2481.8	2334.4	2137.8	2039.5	1971.4	1835.2	1733.1
147.5°	2476.8	2548.3	2476.8	2405.3	2387.5	2271.5	2116.8	2039.5	1985.0	1875.9	1794.1
150°	2405.9	2463.8	2405.9	2347.9	2333.4	2235.5	2104.9	2039.5	1992.1	1897.2	1826.0
152.5°	2345.2	2388.9	2345.2	2301.4	2290.5	2206.8	2095.3	2039.5	1996.7	1911.1	1846.8
155°	2275.4	2304.3	2275.4	2246.4	2239.1	2172.6	2083.9	2039.5	2006.9	1941.5	1892.5
157.5°	2220.2	2240.6	2220.2	2199.9	2194.8	2143.0	2074.0	2039.5	2017.1	1972.1	1938.3
160°	2187.3	2199.0	2187.3	2175.6	2172.6	2128.3	2069.1	2039.5	2021.7	1985.9	1959.1
162.5°	2165.7	2176.7	2165.7	2154.6	2151.8	2114.4	2064.5	2039.5	2026.6	2000.7	1981.3
165°	2134.5	2146.3	2134.5	2122.8	2119.9	2093.1	2057.4	2039.5	2033.7	2022.0	2013.1
167.5°	2112.2	2117.1	2112.2	2107.3	2106.0	2088.5	2065.1	2053.4	2048.5	2038.6	2031.2
170°	2106.0	2106.0	2106.0	2106.0	2106.0	2088.5	2065.1	2053.4	2053.0	2052.4	2052.0
172.5°	2089.5	2085.2	2089.5	2093.9	2095.0	2081.1	2062.7	2053.4	2053.4	2053.4	2053.4
175°	2079.7	2079.7	2079.7	2079.7	2079.7	2071.0	2059.3	2053.4	2056.2	2061.7	2065.9
177.5°	2070.8	2065.9	2070.8	2075.7	2076.9	2070.0	2060.8	2056.2	2058.3	2062.7	2065.9
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2870.8	2854.7	2854.7	2827.9	2817.2	2809.2	2795.8	2755.6	2744.9	2734.2	2750.3
5°	2894.9	2865.4	2844.0	2795.8	2755.6	2739.5	2688.7	2592.3	2528.0	2479.8	2453.0
7.5°	2900.2	2862.7	2822.6	2747.6	2651.2	2608.3	2453.0	2276.2	2228.0	2185.1	2158.4
10°	2894.9	2852.0	2795.8	2683.3	2455.7	2380.7	2225.3	2110.2	2080.7	2072.7	2080.7
12.5°	2876.1	2835.9	2758.3	2570.8	2252.1	2201.2	2110.2	2043.2	2037.9	2051.2	2123.5
15°	2844.0	2806.5	2715.4	2420.9	2139.6	2102.1	2037.9	2013.8	2043.2	2136.9	2353.8
17.5°	2811.8	2769.0	2656.5	2273.5	2053.9	2027.1	1981.6	2029.8	2195.8	2321.7	2394.1
20°	2769.0	2718.1	2589.6	2166.4	1992.3	1968.2	1946.8	2163.7	2289.6	2335.1	2375.4
22.5°	2718.1	2664.6	2498.5	2091.4	1928.1	1909.3	1922.7	2238.7	2289.6	2321.7	2356.5
25°	2651.2	2605.6	2391.4	2032.5	1877.2	1855.8	1906.6	2230.7	2260.1	2268.1	2337.8
27.5°	2589.6	2530.7	2278.9	1978.9	1815.6	1807.6	1920.0	2195.8	2217.3	2225.3	2300.3
30°	2514.6	2426.2	2153.0	1922.7	1751.3	1748.6	1922.7	2153.0	2147.6	2169.1	2244.0
32.5°	2436.9	2270.8	2011.1	1853.1	1689.7	1687.1	1904.0	2088.7	2083.4	2112.8	2169.1
35°	2364.6	2150.3	1818.3	1772.7	1612.1	1614.7	1858.4	2013.8	2016.4	2043.2	2078.0
37.5°	2289.6	2045.9	1606.7	1684.4	1537.1	1537.1	1796.8	1944.1	1938.8	1946.8	1995.0
40°	2201.2	1882.5	1419.3	1569.2	1467.5	1459.4	1721.9	1869.1	1850.4	1847.7	1914.7
42.5°	2107.5	1703.1	1280.0	1416.6	1387.1	1376.4	1630.8	1778.1	1743.3	1751.3	1837.0
45°	2005.7	1654.9	1172.9	1197.0	1304.1	1296.1	1531.7	1673.7	1649.6	1671.0	1759.4
47.5°	1904.0	1558.5	1138.1	993.5	1215.7	1213.1	1421.9	1571.9	1558.5	1579.9	1673.7
50°	1764.7	1451.4	1135.4	851.6	1116.7	1127.4	1290.7	1472.8	1472.8	1491.6	1590.6
52.5°	1585.3	1320.2	1031.0	771.2	1001.5	1033.7	1175.6	1387.1	1392.5	1411.2	1499.6
55°	1421.9	1183.6	956.0	709.6	864.9	934.6	1063.1	1298.8	1309.5	1328.2	1408.6
57.5°	1272.0	985.5	939.9	637.3	739.1	806.0	964.0	1213.1	1218.4	1234.5	1312.2
60°	1111.3	712.3	862.3	559.7	629.3	680.2	873.0	1111.3	1130.1	1140.8	1207.7
62.5°	929.2	516.8	781.9	506.1	575.7	586.5	798.0	1014.9	1039.0	1047.0	1087.2
65°	661.4	433.8	664.1	460.6	519.5	522.2	717.7	915.8	937.3	950.6	980.1
67.5°	447.2	353.5	506.1	417.7	476.7	479.3	640.0	800.7	830.1	840.8	859.6
70°	310.6	235.7	374.9	372.2	428.5	433.8	557.0	696.2	723.0	731.1	741.8
72.5°	227.6	190.1	310.6	334.7	377.6	382.9	471.3	578.4	605.2	613.2	618.6
75°	174.1	200.8	251.7	291.9	321.3	324.0	385.6	471.3	490.0	495.4	498.1
77.5°	139.2	187.5	184.8	235.7	262.4	257.1	302.6	364.2	380.3	380.3	380.3
80°	104.4	147.3	139.2	168.7	192.8	187.5	216.9	259.8	265.1	270.5	267.8
82.5°	77.7	93.7	93.7	107.1	128.5	123.2	144.6	168.7	168.7	168.7	174.1
85°	48.2	53.6	42.8	56.2	72.3	69.6	80.3	91.0	93.7	93.7	88.4
87.5°	29.5	24.1	13.4	21.4	32.1	32.1	37.5	40.2	37.5	37.5	37.5
90°	36.1	24.9	13.8	24.9	36.1	38.8	61.0	90.5	105.3	93.6	70.2
92.5°	244.0	149.7	55.4	149.7	244.0	267.6	376.2	521.0	593.4	520.0	373.4
95°	478.2	305.6	133.1	305.6	478.2	521.3	925.6	1464.9	1734.4	1547.7	1174.3
97.5°	534.6	382.3	230.1	382.3	534.6	572.6	1246.9	2145.9	2595.5	2477.5	2241.5
100°	581.1	443.1	305.0	443.1	581.1	615.6	1363.8	2361.5	2860.3	2869.0	2886.2
102.5°	626.4	497.6	368.8	497.6	626.4	658.6	1417.5	2429.3	2935.2	3085.5	3386.2
105°	695.1	586.0	476.9	586.0	695.1	722.4	1457.2	2436.9	2926.8	3263.9	3938.1
107.5°	791.2	689.5	587.9	689.5	791.2	816.7	1464.6	2328.6	2760.5	3230.7	4170.9
110°	846.4	754.5	662.8	754.5	846.4	869.3	1453.5	2232.4	2621.8	3147.5	4198.7



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	911.2	823.7	736.2	823.7	911.2	933.1	1453.9	2148.4	2495.7	3033.7	4109.5
115°	1008.6	927.8	847.1	927.8	1008.6	1028.7	1467.4	2052.1	2344.6	2862.8	3899.2
117.5°	1103.4	1030.0	956.7	1030.0	1103.4	1121.7	1494.6	1991.9	2240.6	2708.3	3643.7
120°	1158.5	1089.4	1020.4	1089.4	1158.5	1175.8	1516.8	1971.6	2199.0	2626.4	3481.0
122.5°	1222.1	1152.5	1082.8	1152.5	1222.1	1239.5	1548.7	1961.0	2167.1	2551.9	3321.5
125°	1305.5	1242.0	1178.5	1242.0	1305.5	1321.3	1591.7	1952.2	2132.4	2459.3	3113.1
127.5°	1384.4	1320.3	1256.2	1320.3	1384.4	1400.3	1634.7	1947.1	2103.3	2383.9	2945.3
130°	1435.8	1366.8	1297.8	1366.8	1435.8	1453.0	1666.1	1950.2	2092.2	2342.1	2841.8
132.5°	1478.8	1409.7	1340.7	1409.7	1478.8	1496.0	1691.5	1952.2	2082.5	2306.2	2753.6
135°	1530.2	1467.4	1404.5	1467.4	1530.2	1545.9	1719.3	1950.4	2065.9	2253.2	2627.9
137.5°	1594.1	1531.9	1469.7	1531.9	1594.1	1609.7	1760.8	1962.3	2063.1	2221.5	2538.2
140°	1638.3	1581.0	1523.7	1581.0	1638.3	1652.7	1786.2	1964.3	2053.4	2190.1	2463.7
142.5°	1671.3	1618.3	1565.3	1618.3	1671.3	1684.6	1807.5	1971.4	2053.4	2173.5	2413.9
145°	1721.6	1675.4	1629.1	1675.4	1721.6	1733.1	1835.2	1971.4	2039.5	2137.8	2334.4
147.5°	1782.8	1737.8	1692.9	1737.8	1782.8	1794.1	1875.9	1985.0	2039.5	2116.8	2271.5
150°	1815.9	1775.2	1734.4	1775.2	1815.9	1826.0	1897.2	1992.1	2039.5	2104.9	2235.5
152.5°	1839.2	1808.3	1777.5	1808.3	1839.2	1846.8	1911.1	1996.7	2039.5	2095.3	2206.8
155°	1886.8	1864.1	1841.2	1864.1	1886.8	1892.5	1941.5	2006.9	2039.5	2083.9	2172.6
157.5°	1932.8	1910.6	1888.4	1910.6	1932.8	1938.3	1972.1	2017.1	2039.5	2074.0	2143.0
160°	1954.8	1937.5	1920.3	1937.5	1954.8	1959.1	1985.9	2021.7	2039.5	2069.1	2128.3
162.5°	1978.0	1965.1	1952.2	1965.1	1978.0	1981.3	2000.7	2026.6	2039.5	2064.5	2114.4
165°	2010.2	1998.5	1986.8	1998.5	2010.2	2013.1	2022.0	2033.7	2039.5	2057.4	2093.1
167.5°	2029.8	2024.3	2018.7	2024.3	2029.8	2031.2	2038.6	2048.5	2053.4	2065.1	2088.5
170°	2050.6	2045.1	2039.5	2045.1	2050.6	2052.0	2052.4	2053.0	2053.4	2065.1	2088.5
172.5°	2053.1	2051.9	2050.6	2051.9	2053.1	2053.4	2053.4	2053.4	2053.4	2062.7	2081.1
175°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2061.7	2056.2	2053.4	2059.3	2071.0
177.5°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2062.7	2058.3	2056.2	2060.8	2070.0
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2731.5	2723.5	2734.2	2704.7	2734.2	2723.5	2731.5	2750.3	2734.2	2744.9	2755.6
5°	2396.8	2383.4	2340.4	2305.6	2340.4	2383.4	2396.8	2453.0	2479.8	2528.0	2592.3
7.5°	2142.3	2131.6	2120.9	2099.4	2120.9	2131.6	2142.3	2158.4	2185.1	2228.0	2276.2
10°	2086.1	2088.7	2104.8	2102.1	2104.8	2088.7	2086.1	2080.7	2072.7	2080.7	2110.2
12.5°	2230.7	2254.8	2343.1	2337.8	2343.1	2254.8	2230.7	2123.5	2051.2	2037.9	2043.2
15°	2396.8	2404.8	2423.6	2426.2	2423.6	2404.8	2396.8	2353.8	2136.9	2043.2	2013.8
17.5°	2412.8	2415.5	2428.9	2428.9	2428.9	2415.5	2412.8	2394.1	2321.7	2195.8	2029.8
20°	2399.5	2404.8	2431.6	2436.9	2431.6	2404.8	2399.5	2375.4	2335.1	2289.6	2163.7
22.5°	2394.1	2404.8	2426.2	2423.6	2426.2	2404.8	2394.1	2356.5	2321.7	2289.6	2238.7
25°	2367.3	2367.3	2370.0	2372.7	2370.0	2367.3	2367.3	2337.8	2268.1	2260.1	2230.7
27.5°	2311.0	2316.3	2332.4	2329.7	2332.4	2316.3	2311.0	2300.3	2225.3	2217.3	2195.8
30°	2260.1	2254.8	2241.4	2230.7	2241.4	2254.8	2260.1	2244.0	2169.1	2147.6	2153.0
32.5°	2174.4	2161.0	2147.6	2139.6	2147.6	2161.0	2174.4	2169.1	2112.8	2083.4	2088.7
35°	2072.7	2075.3	2072.7	2064.6	2072.7	2075.3	2072.7	2078.0	2043.2	2016.4	2013.8
37.5°	2000.4	2005.7	2003.0	1992.3	2003.0	2005.7	2000.4	1995.0	1946.8	1938.8	1944.1
40°	1925.4	1928.1	1925.4	1917.3	1925.4	1928.1	1925.4	1914.7	1847.7	1850.4	1869.1
42.5°	1853.1	1850.4	1842.4	1837.0	1842.4	1850.4	1853.1	1837.0	1751.3	1743.3	1778.1
45°	1770.1	1772.7	1756.7	1748.6	1756.7	1772.7	1770.1	1759.4	1671.0	1649.6	1673.7
47.5°	1687.1	1687.1	1673.7	1665.6	1673.7	1687.1	1687.1	1673.7	1579.9	1558.5	1571.9
50°	1598.7	1596.0	1577.3	1574.6	1577.3	1596.0	1598.7	1590.6	1491.6	1472.8	1472.8
52.5°	1496.9	1496.9	1499.6	1505.0	1499.6	1496.9	1496.9	1499.6	1411.2	1392.5	1387.1
55°	1408.6	1411.2	1430.0	1435.3	1430.0	1411.2	1408.6	1408.6	1328.2	1309.5	1298.8
57.5°	1317.5	1317.5	1330.9	1330.9	1330.9	1317.5	1317.5	1312.2	1234.5	1218.4	1213.1
60°	1213.1	1218.4	1229.1	1226.5	1229.1	1218.4	1213.1	1207.7	1140.8	1130.1	1111.3
62.5°	1103.3	1108.6	1111.3	1106.0	1111.3	1108.6	1103.3	1087.2	1047.0	1039.0	1014.9
65°	988.1	993.5	996.2	990.8	996.2	993.5	988.1	980.1	950.6	937.3	915.8
67.5°	870.3	867.6	864.9	875.7	864.9	867.6	870.3	859.6	840.8	830.1	800.7
70°	749.8	749.8	747.1	752.5	747.1	749.8	749.8	741.8	731.1	723.0	696.2
72.5°	621.3	618.6	629.3	621.3	629.3	618.6	621.3	618.6	613.2	605.2	578.4
75°	495.4	500.8	495.4	503.4	495.4	500.8	495.4	498.1	495.4	490.0	471.3
77.5°	377.6	382.9	377.6	377.6	377.6	382.9	377.6	380.3	380.3	380.3	364.2
80°	267.8	265.1	265.1	262.4	265.1	265.1	267.8	267.8	270.5	265.1	259.8
82.5°	171.4	168.7	168.7	174.1	168.7	168.7	171.4	174.1	168.7	168.7	168.7
85°	93.7	96.4	91.0	91.0	91.0	96.4	93.7	88.4	93.7	93.7	91.0
87.5°	34.8	32.1	32.1	32.1	32.1	32.1	34.8	37.5	37.5	37.5	40.2
90°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	70.2	93.6	105.3	90.5
92.5°	263.4	253.0	211.0	169.2	211.0	253.0	263.4	373.4	520.0	593.4	521.0
95°	894.3	862.5	735.6	608.7	735.6	862.5	894.3	1174.3	1547.7	1734.4	1464.9
97.5°	2064.5	2004.0	1762.5	1520.9	1762.5	2004.0	2064.5	2241.5	2477.5	2595.5	2145.9
100°	2899.1	2827.2	2539.4	2251.6	2539.4	2827.2	2899.1	2886.2	2869.0	2860.3	2361.5
102.5°	3611.8	3550.2	3303.7	3057.2	3303.7	3550.2	3611.8	3386.2	3085.5	2935.2	2429.3
105°	4443.6	4410.5	4278.1	4145.6	4278.1	4410.5	4443.6	3938.1	3263.9	2926.8	2436.9
107.5°	4876.2	4884.2	4916.3	4948.3	4916.3	4884.2	4876.2	4170.9	3230.7	2760.5	2328.6
110°	4987.2	5021.7	5159.7	5297.7	5159.7	5021.7	4987.2	4198.7	3147.5	2621.8	2232.4



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4916.5	4969.5	5181.4	5393.4	5181.4	4969.5	4916.5	4109.5	3033.7	2495.7	2148.4
115°	4676.6	4750.1	5044.0	5338.0	5044.0	4750.1	4676.6	3899.2	2862.8	2344.6	2052.1
117.5°	4345.2	4426.7	4752.7	5078.7	4752.7	4426.7	4345.2	3643.7	2708.3	2240.6	1991.9
120°	4122.0	4201.2	4517.9	4834.6	4517.9	4201.2	4122.0	3481.0	2626.4	2199.0	1971.6
122.5°	3898.8	3976.9	4289.3	4601.7	4289.3	3976.9	3898.8	3321.5	2551.9	2167.1	1961.0
125°	3603.4	3675.4	3963.1	4250.9	3963.1	3675.4	3603.4	3113.1	2459.3	2132.4	1952.2
127.5°	3366.3	3427.0	3669.8	3912.6	3669.8	3427.0	3366.3	2945.3	2383.9	2103.3	1947.1
130°	3216.6	3272.7	3497.0	3721.3	3497.0	3272.7	3216.6	2841.8	2342.1	2092.2	1950.2
132.5°	3089.1	3139.3	3340.2	3541.0	3340.2	3139.3	3089.1	2753.6	2306.2	2082.5	1952.2
135°	2908.9	2952.2	3125.2	3298.4	3125.2	2952.2	2908.9	2627.9	2253.2	2065.9	1950.4
137.5°	2775.7	2811.1	2952.9	3094.6	2952.9	2811.1	2775.7	2538.2	2221.5	2063.1	1962.3
140°	2668.9	2702.1	2834.6	2967.1	2834.6	2702.1	2668.9	2463.7	2190.1	2053.4	1964.3
142.5°	2594.1	2622.6	2736.6	2850.6	2736.6	2622.6	2594.1	2413.9	2173.5	2053.4	1971.4
145°	2481.8	2503.4	2589.6	2675.9	2589.6	2503.4	2481.8	2334.4	2137.8	2039.5	1971.4
147.5°	2387.5	2405.3	2476.8	2548.3	2476.8	2405.3	2387.5	2271.5	2116.8	2039.5	1985.0
150°	2333.4	2347.9	2405.9	2463.8	2405.9	2347.9	2333.4	2235.5	2104.9	2039.5	1992.1
152.5°	2290.5	2301.4	2345.2	2388.9	2345.2	2301.4	2290.5	2206.8	2095.3	2039.5	1996.7
155°	2239.1	2246.4	2275.4	2304.3	2275.4	2246.4	2239.1	2172.6	2083.9	2039.5	2006.9
157.5°	2194.8	2199.9	2220.2	2240.6	2220.2	2199.9	2194.8	2143.0	2074.0	2039.5	2017.1
160°	2172.6	2175.6	2187.3	2199.0	2187.3	2175.6	2172.6	2128.3	2069.1	2039.5	2021.7
162.5°	2151.8	2154.6	2165.7	2176.7	2165.7	2154.6	2151.8	2114.4	2064.5	2039.5	2026.6
165°	2119.9	2122.8	2134.5	2146.3	2134.5	2122.8	2119.9	2093.1	2057.4	2039.5	2033.7
167.5°	2106.0	2107.3	2112.2	2117.1	2112.2	2107.3	2106.0	2088.5	2065.1	2053.4	2048.5
170°	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2088.5	2065.1	2053.4	2053.0
172.5°	2095.0	2093.9	2089.5	2085.2	2089.5	2093.9	2095.0	2081.1	2062.7	2053.4	2053.4
175°	2079.7	2079.7	2079.7	2079.7	2079.7	2079.7	2079.7	2071.0	2059.3	2053.4	2056.2
177.5°	2076.9	2075.7	2070.8	2065.9	2070.8	2075.7	2076.9	2070.0	2060.8	2056.2	2058.3
180°	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2795.8	2809.2	2817.2	2827.9	2854.7
5°	2688.7	2739.5	2755.6	2795.8	2844.0
7.5°	2453.0	2608.3	2651.2	2747.6	2822.6
10°	2225.3	2380.7	2455.7	2683.3	2795.8
12.5°	2110.2	2201.2	2252.1	2570.8	2758.3
15°	2037.9	2102.1	2139.6	2420.9	2715.4
17.5°	1981.6	2027.1	2053.9	2273.5	2656.5
20°	1946.8	1968.2	1992.3	2166.4	2589.6
22.5°	1922.7	1909.3	1928.1	2091.4	2498.5
25°	1906.6	1855.8	1877.2	2032.5	2391.4
27.5°	1920.0	1807.6	1815.6	1978.9	2278.9
30°	1922.7	1748.6	1751.3	1922.7	2153.0
32.5°	1904.0	1687.1	1689.7	1853.1	2011.1
35°	1858.4	1614.7	1612.1	1772.7	1818.3
37.5°	1796.8	1537.1	1537.1	1684.4	1606.7
40°	1721.9	1459.4	1467.5	1569.2	1419.3
42.5°	1630.8	1376.4	1387.1	1416.6	1280.0
45°	1531.7	1296.1	1304.1	1197.0	1172.9
47.5°	1421.9	1213.1	1215.7	993.5	1138.1
50°	1290.7	1127.4	1116.7	851.6	1135.4
52.5°	1175.6	1033.7	1001.5	771.2	1031.0
55°	1063.1	934.6	864.9	709.6	956.0
57.5°	964.0	806.0	739.1	637.3	939.9
60°	873.0	680.2	629.3	559.7	862.3
62.5°	798.0	586.5	575.7	506.1	781.9
65°	717.7	522.2	519.5	460.6	664.1
67.5°	640.0	479.3	476.7	417.7	506.1
70°	557.0	433.8	428.5	372.2	374.9
72.5°	471.3	382.9	377.6	334.7	310.6
75°	385.6	324.0	321.3	291.9	251.7
77.5°	302.6	257.1	262.4	235.7	184.8
80°	216.9	187.5	192.8	168.7	139.2
82.5°	144.6	123.2	128.5	107.1	93.7
85°	80.3	69.6	72.3	56.2	42.8
87.5°	37.5	32.1	32.1	21.4	13.4
90°	61.0	38.8	36.1	24.9	13.8
92.5°	376.2	267.6	244.0	149.7	55.4
95°	925.6	521.3	478.2	305.6	133.1
97.5°	1246.9	572.6	534.6	382.3	230.1
100°	1363.8	615.6	581.1	443.1	305.0
102.5°	1417.5	658.6	626.4	497.6	368.8
105°	1457.2	722.4	695.1	586.0	476.9
107.5°	1464.6	816.7	791.2	689.5	587.9
110°	1453.5	869.3	846.4	754.5	662.8



TEST NUMBER: P935527

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1453.9	933.1	911.2	823.7	736.2
115°	1467.4	1028.7	1008.6	927.8	847.1
117.5°	1494.6	1121.7	1103.4	1030.0	956.7
120°	1516.8	1175.8	1158.5	1089.4	1020.4
122.5°	1548.7	1239.5	1222.1	1152.5	1082.8
125°	1591.7	1321.3	1305.5	1242.0	1178.5
127.5°	1634.7	1400.3	1384.4	1320.3	1256.2
130°	1666.1	1453.0	1435.8	1366.8	1297.8
132.5°	1691.5	1496.0	1478.8	1409.7	1340.7
135°	1719.3	1545.9	1530.2	1467.4	1404.5
137.5°	1760.8	1609.7	1594.1	1531.9	1469.7
140°	1786.2	1652.7	1638.3	1581.0	1523.7
142.5°	1807.5	1684.6	1671.3	1618.3	1565.3
145°	1835.2	1733.1	1721.6	1675.4	1629.1
147.5°	1875.9	1794.1	1782.8	1737.8	1692.9
150°	1897.2	1826.0	1815.9	1775.2	1734.4
152.5°	1911.1	1846.8	1839.2	1808.3	1777.5
155°	1941.5	1892.5	1886.8	1864.1	1841.2
157.5°	1972.1	1938.3	1932.8	1910.6	1888.4
160°	1985.9	1959.1	1954.8	1937.5	1920.3
162.5°	2000.7	1981.3	1978.0	1965.1	1952.2
165°	2022.0	2013.1	2010.2	1998.5	1986.8
167.5°	2038.6	2031.2	2029.8	2024.3	2018.7
170°	2052.4	2052.0	2050.6	2045.1	2039.5
172.5°	2053.4	2053.4	2053.1	2051.9	2050.6
175°	2061.7	2065.9	2065.9	2065.9	2065.9
177.5°	2062.7	2065.9	2065.9	2065.9	2065.9
180°	2065.9	2065.9	2065.9	2065.9	2065.9



TEST NUMBER: P935527  
 CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-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	10.83	11.57	11.90	12.65	14.11	13.68	14.42	14.75	15.50	16.96
	3H	11.30	11.96	12.38	13.04	14.53	15.02	15.69	16.10	16.77	18.25
	4H	11.48	12.11	12.57	13.20	14.69	15.47	16.10	16.56	17.18	18.67
	6H	11.59	12.18	12.70	13.26	14.76	15.75	16.33	16.85	17.42	18.92
	8H	11.59	12.14	12.70	13.25	14.74	15.82	16.38	16.93	17.48	18.98
	12H	11.56	12.08	12.67	13.18	14.70	15.86	16.39	16.97	17.48	19.00
4H	2H	11.85	12.48	12.95	13.57	15.06	14.07	14.70	15.17	15.79	17.28
	3H	12.87	13.39	13.97	14.51	16.01	15.57	16.10	16.68	17.21	18.71
	4H	13.14	13.62	14.25	14.72	16.25	16.10	16.58	17.21	17.69	19.21
	6H	13.26	13.67	14.38	14.79	16.31	16.47	16.88	17.58	18.00	19.52
	8H	13.26	13.65	14.38	14.76	16.29	16.57	16.96	17.69	18.08	19.61
	12H	13.22	13.57	14.36	14.70	16.24	16.63	16.98	17.76	18.11	19.64
8H	4H	13.59	13.97	14.70	15.09	16.62	16.22	16.60	17.33	17.72	19.25
	6H	13.84	14.16	14.98	15.32	16.85	16.65	16.97	17.79	18.13	19.66
	8H	13.88	14.16	15.03	15.30	16.85	16.81	17.09	17.95	18.23	19.77
	12H	13.86	14.11	15.01	15.24	16.83	16.90	17.15	18.05	18.29	19.87
12H	4H	13.59	13.94	14.72	15.07	16.60	16.17	16.53	17.31	17.65	19.19
	6H	13.90	14.18	15.05	15.32	16.87	16.65	16.93	17.80	18.07	19.62
	8H	13.96	14.21	15.11	15.34	16.93	16.81	17.05	17.96	18.19	19.77