

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: P935654

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935654
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

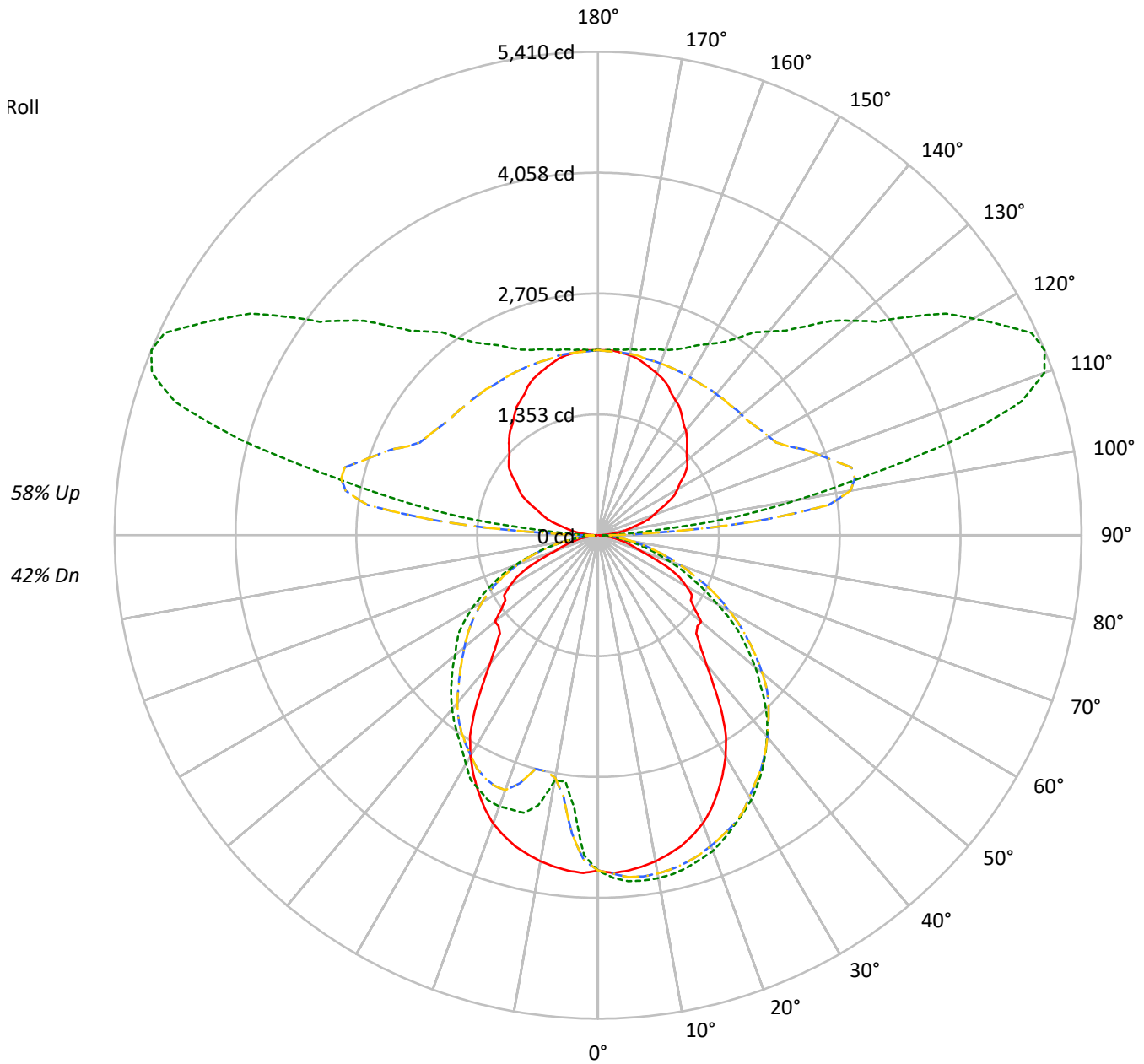
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23166.2 lumens
Efficiency: N/A
Efficacy: 119.9 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): 193.2
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: P935654
CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11602	11602	11602	11602
5°	11693	11712	11693	9209
10°	11619	11537	11619	8248
15°	11497	11287	11497	9425
20°	11261	10991	11261	9444
25°	10773	10559	10773	9244
30°	10142	10200	10142	8805
35°	9046	9747	9046	8322
40°	7542	9213	7542	7957
45°	6743	8588	6743	7537
50°	7169	7843	7169	7117
55°	6752	7040	6752	6873
60°	6968	5979	6968	6295
65°	6328	4942	6328	5525
70°	4392	3938	4392	4631
75°	3867	2912	3867	3487
80°	3138	1925	3138	2095
85°	1840	1019	1840	867

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10328 cd/sqm



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	1.5
10°-20°	961.4	4.1
20°-30°	1486.1	6.4
30°-40°	1774.1	7.7
40°-50°	1784.5	7.7
50°-60°	1552.7	6.7
60°-70°	1100.9	4.8
70°-80°	582.4	2.5
80°-90°	153.0	0.7
90°-100°	1010.0	4.4
100°-110°	2655.4	11.5
110°-120°	2753.4	11.9
120°-130°	2208.6	9.5
130°-140°	1733.0	7.5
140°-150°	1330.1	5.7
150°-160°	957.9	4.1
160°-170°	586.1	2.5
170°-180°	198.0	0.9
0°-30°	2786.1	12.0
0°-40°	4560.2	19.7
0°-60°	7897.4	34.1
0°-90°	9733.7	42.0
90°-120°	6418.9	27.7
90°-150°	11690.5	50.5
90°-180°	13433.0	58.0
0°-180°	23166.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3751	3751	3751	3751	3751	
5°	3769	3886	3769	3056	3769	358
15°	3598	3850	3598	3215	3598	1012
25°	3169	3591	3169	3144	3169	1455
35°	2410	3204	2410	2736	2410	1491
45°	1554	2640	1554	2317	1554	1245
55°	1267	1948	1267	1902	1267	1164
65°	880	1175	880	1313	880	841
75°	334	557	334	667	334	351
85°	57	142	57	121	57	77
90°	14	53	14	53	14	14
95°	134	610	134	610	134	148
105°	478	4158	478	4158	478	507
115°	850	5354	850	5354	850	839
125°	1182	4264	1182	4264	1182	1049
135°	1409	3308	1409	3308	1409	1090
145°	1634	2684	1634	2684	1634	1024
155°	1847	2311	1847	2311	1847	849
165°	1993	2153	1993	2153	1993	562
175°	2072	2086	2072	2086	2072	197
180°	2072	2072	2072	2072	2072	



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3783.0	3783.0	3804.3	3811.3	3811.3	3800.7	3790.0	3800.7	3832.7	3843.3	3839.7
5°	3768.8	3797.2	3836.2	3843.3	3850.4	3846.9	3839.7	3846.9	3882.3	3889.4	3893.0
7.5°	3740.3	3793.6	3843.3	3854.0	3864.6	3854.0	3850.4	3857.5	3893.0	3900.1	3900.1
10°	3704.9	3779.5	3836.2	3843.3	3854.0	3843.3	3843.3	3857.5	3893.0	3900.1	3903.6
12.5°	3655.2	3758.2	3811.3	3818.5	3832.7	3829.1	3825.6	3839.7	3875.3	3882.3	3882.3
15°	3598.4	3719.1	3768.8	3775.9	3800.7	3793.6	3793.6	3807.9	3846.9	3857.5	3854.0
17.5°	3520.4	3669.4	3726.2	3736.9	3754.6	3751.0	3754.6	3768.8	3804.3	3811.3	3814.9
20°	3431.6	3602.0	3669.4	3680.1	3697.8	3697.8	3697.8	3715.5	3751.0	3765.2	3765.2
22.5°	3311.0	3531.0	3602.0	3609.1	3630.4	3630.4	3637.5	3662.3	3694.2	3697.8	3697.8
25°	3169.0	3452.9	3513.3	3534.6	3555.8	3566.5	3577.1	3591.4	3602.0	3598.4	3602.0
27.5°	3020.0	3353.6	3431.6	3445.9	3474.3	3484.9	3499.1	3502.6	3506.1	3516.8	3509.7
30°	2853.2	3215.2	3332.3	3346.5	3392.6	3399.7	3385.5	3392.6	3410.3	3417.5	3424.6
32.5°	2665.1	3009.3	3229.4	3261.3	3303.9	3282.6	3279.1	3289.7	3318.1	3318.1	3325.2
35°	2409.6	2849.7	3133.6	3162.0	3193.8	3169.0	3183.2	3186.8	3204.5	3215.2	3211.7
37.5°	2129.2	2711.3	3034.2	3055.5	3080.3	3048.4	3069.7	3080.3	3094.6	3087.4	3087.4
40°	1880.9	2494.8	2917.1	2931.3	2952.6	2927.8	2949.0	2956.1	2963.2	2956.1	2952.6
42.5°	1696.3	2257.0	2792.8	2810.7	2796.4	2814.1	2821.2	2835.5	2824.8	2810.7	2810.7
45°	1554.4	2193.2	2658.0	2679.3	2658.0	2686.4	2697.0	2697.0	2665.1	2658.0	2654.5
47.5°	1508.2	2065.4	2523.2	2523.2	2512.5	2548.0	2565.8	2540.9	2508.9	2498.4	2498.4
50°	1504.7	1923.4	2338.6	2324.4	2374.1	2416.7	2399.0	2374.1	2349.3	2310.3	2310.3
52.5°	1366.2	1749.5	2100.8	2154.1	2232.2	2257.0	2228.6	2203.8	2161.2	2143.5	2129.2
55°	1266.9	1568.6	1884.4	1990.8	2072.5	2104.4	2051.2	2026.4	1962.4	1951.8	1944.7
57.5°	1245.6	1305.9	1685.7	1820.5	1919.9	1916.3	1884.4	1838.3	1785.0	1774.4	1770.8
60°	1142.7	943.9	1472.7	1632.4	1735.4	1724.7	1696.3	1653.7	1604.0	1597.0	1589.8
62.5°	1036.2	684.9	1231.4	1412.4	1557.9	1554.4	1529.6	1465.6	1430.2	1412.4	1398.2
65°	880.1	574.9	876.5	1174.6	1384.0	1391.1	1337.9	1291.8	1252.7	1231.4	1227.8
67.5°	670.7	468.4	592.6	979.5	1217.3	1210.1	1142.7	1121.4	1071.7	1061.0	1039.8
70°	496.8	312.3	411.7	794.9	1054.0	1036.2	983.0	958.2	912.1	887.2	873.0
72.5°	411.7	251.9	301.6	617.5	887.2	865.9	819.7	791.4	752.3	731.0	716.9
75°	333.6	266.2	230.6	457.8	720.4	706.2	663.6	635.2	603.3	574.9	578.5
77.5°	244.9	248.4	184.5	337.2	571.4	550.1	525.2	489.7	475.5	447.1	447.1
80°	184.5	195.2	138.4	230.6	411.7	411.7	390.4	365.6	340.7	326.5	326.5
82.5°	124.2	124.2	102.9	145.5	280.3	269.7	255.5	248.4	234.2	227.1	227.1
85°	56.8	71.0	63.8	88.7	152.6	159.7	159.7	152.6	149.1	141.9	145.5
87.5°	17.7	32.0	39.0	49.7	78.1	81.7	85.1	85.1	85.1	88.7	88.7
90°	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5	52.8	52.8
92.5°	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5	264.2	253.7
95°	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9	897.0	865.1
97.5°	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2	2070.7	2010.1
100°	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9	2907.9	2835.7
102.5°	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5	3622.7	3560.9
105°	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9	4457.0	4423.8
107.5°	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5	4890.9	4899.0
110°	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4	5002.2	5036.8



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9	4931.3	4984.5
115°	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0	4690.7	4764.4
117.5°	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7	4358.3	4440.0
120°	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5	4134.5	4213.9
122.5°	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5	3910.5	3988.9
125°	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5	3614.3	3686.4
127.5°	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2	3376.5	3437.4
130°	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4	3226.3	3282.6
132.5°	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9	3098.4	3148.8
135°	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8	2917.6	2961.1
137.5°	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8	2784.1	2819.6
140°	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2	2677.0	2710.2
142.5°	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2	2602.0	2630.5
145°	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4	2489.2	2510.9
147.5°	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4	2394.7	2412.6
150°	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2	2340.4	2354.9
152.5°	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5	2297.4	2308.4
155°	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2	2245.9	2253.1
157.5°	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5	2201.4	2206.5
160°	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7	2179.2	2182.1
162.5°	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8	2158.3	2161.1
165°	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4	2126.3	2129.2
167.5°	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8	2112.4	2113.7
170°	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8	2112.4	2112.4
172.5°	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4	2101.3	2100.2
175°	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2	2086.0	2086.0
177.5°	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2	2083.2	2082.0
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3846.9	3836.2	3846.9	3839.7	3843.3	3832.7	3800.7	3790.0	3800.7	3811.3	3811.3
5°	3893.0	3885.9	3893.0	3893.0	3889.4	3882.3	3846.9	3839.7	3846.9	3850.4	3843.3
7.5°	3907.1	3896.6	3907.1	3900.1	3900.1	3893.0	3857.5	3850.4	3854.0	3864.6	3854.0
10°	3907.1	3896.6	3907.1	3903.6	3900.1	3893.0	3857.5	3843.3	3843.3	3854.0	3843.3
12.5°	3889.4	3882.3	3889.4	3882.3	3882.3	3875.3	3839.7	3825.6	3829.1	3832.7	3818.5
15°	3861.0	3850.4	3861.0	3854.0	3857.5	3846.9	3807.9	3793.6	3793.6	3800.7	3775.9
17.5°	3818.5	3804.3	3818.5	3814.9	3811.3	3804.3	3768.8	3754.6	3751.0	3754.6	3736.9
20°	3768.8	3758.2	3768.8	3765.2	3765.2	3751.0	3715.5	3697.8	3697.8	3697.8	3680.1
22.5°	3690.7	3680.1	3690.7	3697.8	3697.8	3694.2	3662.3	3637.5	3630.4	3630.4	3609.1
25°	3602.0	3591.4	3602.0	3602.0	3598.4	3602.0	3591.4	3577.1	3566.5	3555.8	3534.6
27.5°	3516.8	3509.7	3516.8	3509.7	3516.8	3506.1	3502.6	3499.1	3484.9	3474.3	3445.9
30°	3431.6	3424.6	3431.6	3424.6	3417.5	3410.3	3392.6	3385.5	3399.7	3392.6	3346.5
32.5°	3325.2	3318.1	3325.2	3325.2	3318.1	3318.1	3289.7	3279.1	3282.6	3303.9	3261.3
35°	3215.2	3204.5	3215.2	3211.7	3215.2	3204.5	3186.8	3183.2	3169.0	3193.8	3162.0
37.5°	3087.4	3076.7	3087.4	3087.4	3087.4	3094.6	3080.3	3069.7	3048.4	3080.3	3055.5
40°	2956.1	2941.9	2956.1	2952.6	2956.1	2963.2	2956.1	2949.0	2927.8	2952.6	2931.3
42.5°	2807.1	2803.5	2807.1	2810.7	2810.7	2824.8	2835.5	2821.2	2814.1	2796.4	2810.7
45°	2647.3	2640.3	2647.3	2654.5	2658.0	2665.1	2697.0	2697.0	2686.4	2658.0	2679.3
47.5°	2477.1	2459.3	2477.1	2498.4	2498.4	2508.9	2540.9	2565.8	2548.0	2512.5	2523.2
50°	2296.0	2299.6	2296.0	2310.3	2310.3	2349.3	2374.1	2399.0	2416.7	2374.1	2324.4
52.5°	2118.6	2115.1	2118.6	2129.2	2143.5	2161.2	2203.8	2228.6	2257.0	2232.2	2154.1
55°	1941.1	1948.3	1941.1	1944.7	1951.8	1962.4	2026.4	2051.2	2104.4	2072.5	1990.8
57.5°	1763.8	1753.1	1763.8	1770.8	1774.4	1785.0	1838.3	1884.4	1916.3	1919.9	1820.5
60°	1557.9	1543.7	1557.9	1589.8	1597.0	1604.0	1653.7	1696.3	1724.7	1735.4	1632.4
62.5°	1376.9	1352.1	1376.9	1398.2	1412.4	1430.2	1465.6	1529.6	1554.4	1557.9	1412.4
65°	1185.3	1174.6	1185.3	1227.8	1231.4	1252.7	1291.8	1337.9	1391.1	1384.0	1174.6
67.5°	1011.4	1011.4	1011.4	1039.8	1061.0	1071.7	1121.4	1142.7	1210.1	1217.3	979.5
70°	851.7	848.1	851.7	873.0	887.2	912.1	958.2	983.0	1036.2	1054.0	794.9
72.5°	699.1	695.6	699.1	716.9	731.0	752.3	791.4	819.7	865.9	887.2	617.5
75°	564.2	557.2	564.2	578.5	574.9	603.3	635.2	663.6	706.2	720.4	457.8
77.5°	433.0	433.0	433.0	447.1	447.1	475.5	489.7	525.2	550.1	571.4	337.2
80°	322.9	319.4	322.9	326.5	326.5	340.7	365.6	390.4	411.7	411.7	230.6
82.5°	227.1	220.0	227.1	227.1	227.1	234.2	248.4	255.5	269.7	280.3	145.5
85°	141.9	141.9	141.9	145.5	141.9	149.1	152.6	159.7	159.7	152.6	88.7
87.5°	92.3	88.7	92.3	88.7	88.7	85.1	85.1	85.1	81.7	78.1	49.7
90°	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8	61.1	38.9
92.5°	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6	377.4	268.4
95°	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3	928.4	522.9
97.5°	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4	1250.7	574.3
100°	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6	1367.9	617.5
102.5°	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6	1421.8	660.6
105°	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3	1461.6	724.6
107.5°	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6	1469.0	819.1
110°	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1	1457.8	871.9



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9	1458.3	935.9
115°	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3	1471.8	1031.8
117.5°	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9	1499.1	1125.0
120°	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6	1521.4	1179.3
122.5°	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9	1553.4	1243.2
125°	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0	1596.5	1325.3
127.5°	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9	1639.6	1404.6
130°	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1	1671.1	1457.4
132.5°	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0	1696.6	1500.5
135°	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3	1724.5	1550.6
137.5°	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3	1766.1	1614.5
140°	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2	1791.6	1657.7
142.5°	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4	1812.9	1689.6
145°	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4	1840.8	1738.3
147.5°	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0	1881.6	1799.5
150°	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1	1902.9	1831.5
152.5°	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7	1916.9	1852.4
155°	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9	1947.4	1898.2
157.5°	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1	1978.0	1944.2
160°	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8	1991.9	1965.0
162.5°	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7	2006.8	1987.2
165°	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8	2028.1	2019.2
167.5°	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7	2044.7	2037.3
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2	2058.6	2058.1
172.5°	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4	2067.9	2072.1
177.5°	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5	2068.9	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3804.3	3783.0	3783.0	3747.5	3733.3	3722.6	3704.9	3651.7	3637.5	3623.2	3644.5
5°	3836.2	3797.2	3768.8	3704.9	3651.7	3630.4	3563.0	3435.2	3350.0	3286.2	3250.7
7.5°	3843.3	3793.6	3740.3	3641.1	3513.3	3456.5	3250.7	3016.5	2952.6	2895.8	2860.3
10°	3836.2	3779.5	3704.9	3555.8	3254.2	3154.8	2949.0	2796.4	2757.4	2746.7	2757.4
12.5°	3811.3	3758.2	3655.2	3406.8	2984.5	2917.1	2796.4	2707.7	2700.6	2718.3	2814.1
15°	3768.8	3719.1	3598.4	3208.1	2835.5	2785.8	2700.6	2668.7	2707.7	2831.9	3119.4
17.5°	3726.2	3669.4	3520.4	3012.9	2721.9	2686.4	2626.0	2690.0	2909.9	3076.7	3172.6
20°	3669.4	3602.0	3431.6	2870.9	2640.3	2608.3	2579.9	2867.4	3034.2	3094.6	3147.7
22.5°	3602.0	3531.0	3311.0	2771.6	2555.1	2530.2	2548.0	2966.8	3034.2	3076.7	3122.9
25°	3513.3	3452.9	3169.0	2693.5	2487.7	2459.3	2526.7	2956.1	2995.2	3005.8	3098.0
27.5°	3431.6	3353.6	3020.0	2622.5	2406.1	2395.4	2544.5	2909.9	2938.4	2949.0	3048.4
30°	3332.3	3215.2	2853.2	2548.0	2320.9	2317.3	2548.0	2853.2	2846.1	2874.5	2973.9
32.5°	3229.4	3009.3	2665.1	2455.8	2239.3	2235.7	2523.2	2768.0	2761.0	2800.0	2874.5
35°	3133.6	2849.7	2409.6	2349.3	2136.4	2139.9	2462.8	2668.7	2672.2	2707.7	2753.8
37.5°	3034.2	2711.3	2129.2	2232.2	2037.0	2037.0	2381.2	2576.4	2569.3	2579.9	2643.9
40°	2917.1	2494.8	1880.9	2079.5	1944.7	1934.1	2281.9	2477.1	2452.2	2448.7	2537.4
42.5°	2792.8	2257.0	1696.3	1877.3	1838.3	1824.0	2161.2	2356.4	2310.3	2320.9	2434.4
45°	2658.0	2193.2	1554.4	1586.3	1728.2	1717.6	2029.9	2218.0	2186.0	2214.5	2331.6
47.5°	2523.2	2065.4	1508.2	1316.6	1611.1	1607.6	1884.4	2083.1	2065.4	2093.8	2218.0
50°	2338.6	1923.4	1504.7	1128.5	1479.9	1494.0	1710.5	1951.8	1951.8	1976.7	2107.9
52.5°	2100.8	1749.5	1366.2	1022.0	1327.2	1369.8	1557.9	1838.3	1845.3	1870.2	1987.3
55°	1884.4	1568.6	1266.9	940.4	1146.3	1238.5	1408.9	1721.1	1735.4	1760.2	1866.6
57.5°	1685.7	1305.9	1245.6	844.6	979.5	1068.2	1277.5	1607.6	1614.7	1636.0	1738.9
60°	1472.7	943.9	1142.7	741.7	834.0	901.4	1156.9	1472.7	1497.6	1511.7	1600.5
62.5°	1231.4	684.9	1036.2	670.7	763.0	777.2	1057.5	1344.9	1376.9	1387.6	1440.8
65°	876.5	574.9	880.1	610.4	688.5	692.0	951.1	1213.7	1242.1	1259.8	1298.8
67.5°	592.6	468.4	670.7	553.6	631.6	635.2	848.1	1061.0	1100.1	1114.3	1139.2
70°	411.7	312.3	496.8	493.3	567.8	574.9	738.2	922.7	958.2	968.8	983.0
72.5°	301.6	251.9	411.7	443.6	500.4	507.5	624.6	766.6	802.0	812.7	819.7
75°	230.6	266.2	333.6	386.8	425.8	429.4	511.0	624.6	649.5	656.5	660.0
77.5°	184.5	248.4	244.9	312.3	347.7	340.7	401.0	482.7	503.9	503.9	503.9
80°	138.4	195.2	184.5	223.6	255.5	248.4	287.5	344.2	351.3	358.4	354.9
82.5°	102.9	124.2	124.2	141.9	170.4	163.2	191.6	223.6	223.6	223.6	230.6
85°	63.8	71.0	56.8	74.5	95.8	92.3	106.5	120.7	124.2	124.2	117.1
87.5°	39.0	32.0	17.7	28.4	42.6	42.6	49.7	53.3	49.7	49.7	49.7
90°	36.2	25.0	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5
92.5°	244.8	150.1	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5
95°	479.6	306.6	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9
97.5°	536.2	383.5	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2
100°	582.8	444.4	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9
102.5°	628.2	499.1	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5
105°	697.2	587.8	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9
107.5°	793.6	691.6	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5
110°	848.9	756.8	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	913.9	826.2	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9
115°	1011.6	930.6	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0
117.5°	1106.7	1033.1	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7
120°	1162.0	1092.7	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5
122.5°	1225.8	1155.9	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5
125°	1309.4	1245.7	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5
127.5°	1388.5	1324.3	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2
130°	1440.1	1370.9	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4
132.5°	1483.3	1414.0	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9
135°	1534.8	1471.8	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8
137.5°	1598.9	1536.5	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8
140°	1643.3	1585.8	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2
142.5°	1676.4	1623.2	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2
145°	1726.8	1680.4	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4
147.5°	1788.2	1743.1	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4
150°	1821.3	1780.5	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2
152.5°	1844.7	1813.7	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5
155°	1892.5	1869.7	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2
157.5°	1938.6	1916.3	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5
160°	1960.7	1943.4	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7
162.5°	1984.0	1971.0	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8
165°	2016.2	2004.5	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4
167.5°	2035.9	2030.4	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8
170°	2056.8	2051.2	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8
172.5°	2059.3	2058.1	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4
175°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2
177.5°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3619.7	3609.1	3623.2	3584.2	3623.2	3609.1	3619.7	3644.5	3623.2	3637.5	3651.7
5°	3176.1	3158.4	3101.6	3055.5	3101.6	3158.4	3176.1	3250.7	3286.2	3350.0	3435.2
7.5°	2839.0	2824.8	2810.7	2782.2	2810.7	2824.8	2839.0	2860.3	2895.8	2952.6	3016.5
10°	2764.5	2768.0	2789.3	2785.8	2789.3	2768.0	2764.5	2757.4	2746.7	2757.4	2796.4
12.5°	2956.1	2988.0	3105.1	3098.0	3105.1	2988.0	2956.1	2814.1	2718.3	2700.6	2707.7
15°	3176.1	3186.8	3211.7	3215.2	3211.7	3186.8	3176.1	3119.4	2831.9	2707.7	2668.7
17.5°	3197.4	3201.0	3218.7	3218.7	3218.7	3201.0	3197.4	3172.6	3076.7	2909.9	2690.0
20°	3179.7	3186.8	3222.2	3229.4	3222.2	3186.8	3179.7	3147.7	3094.6	3034.2	2867.4
22.5°	3172.6	3186.8	3215.2	3211.7	3215.2	3186.8	3172.6	3122.9	3076.7	3034.2	2966.8
25°	3137.1	3137.1	3140.7	3144.2	3140.7	3137.1	3137.1	3098.0	3005.8	2995.2	2956.1
27.5°	3062.6	3069.7	3091.0	3087.4	3091.0	3069.7	3062.6	3048.4	2949.0	2938.4	2909.9
30°	2995.2	2988.0	2970.3	2956.1	2970.3	2988.0	2995.2	2973.9	2874.5	2846.1	2853.2
32.5°	2881.6	2863.8	2846.1	2835.5	2846.1	2863.8	2881.6	2874.5	2800.0	2761.0	2768.0
35°	2746.7	2750.3	2746.7	2736.1	2746.7	2750.3	2746.7	2753.8	2707.7	2672.2	2668.7
37.5°	2650.9	2658.0	2654.5	2640.3	2654.5	2658.0	2650.9	2643.9	2579.9	2569.3	2576.4
40°	2551.5	2555.1	2551.5	2540.9	2551.5	2555.1	2551.5	2537.4	2448.7	2452.2	2477.1
42.5°	2455.8	2452.2	2441.5	2434.4	2441.5	2452.2	2455.8	2434.4	2320.9	2310.3	2356.4
45°	2345.7	2349.3	2328.0	2317.3	2328.0	2349.3	2345.7	2331.6	2214.5	2186.0	2218.0
47.5°	2235.7	2235.7	2218.0	2207.3	2218.0	2235.7	2235.7	2218.0	2093.8	2065.4	2083.1
50°	2118.6	2115.1	2090.2	2086.7	2090.2	2115.1	2118.6	2107.9	1976.7	1951.8	1951.8
52.5°	1983.7	1983.7	1987.3	1994.4	1987.3	1983.7	1983.7	1987.3	1870.2	1845.3	1838.3
55°	1866.6	1870.2	1895.0	1902.1	1895.0	1870.2	1866.6	1866.6	1760.2	1735.4	1721.1
57.5°	1745.9	1745.9	1763.8	1763.8	1763.8	1745.9	1745.9	1738.9	1636.0	1614.7	1607.6
60°	1607.6	1614.7	1628.8	1625.3	1628.8	1614.7	1607.6	1600.5	1511.7	1497.6	1472.7
62.5°	1462.0	1469.2	1472.7	1465.6	1472.7	1469.2	1462.0	1440.8	1387.6	1376.9	1344.9
65°	1309.5	1316.6	1320.1	1313.1	1320.1	1316.6	1309.5	1298.8	1259.8	1242.1	1213.7
67.5°	1153.3	1149.8	1146.3	1160.4	1146.3	1149.8	1153.3	1139.2	1114.3	1100.1	1061.0
70°	993.6	993.6	990.1	997.2	990.1	993.6	993.6	983.0	968.8	958.2	922.7
72.5°	823.3	819.7	834.0	823.3	834.0	819.7	823.3	819.7	812.7	802.0	766.6
75°	656.5	663.6	656.5	667.2	656.5	663.6	656.5	660.0	656.5	649.5	624.6
77.5°	500.4	507.5	500.4	500.4	500.4	507.5	500.4	503.9	503.9	503.9	482.7
80°	354.9	351.3	351.3	347.7	351.3	351.3	354.9	354.9	358.4	351.3	344.2
82.5°	227.1	223.6	223.6	230.6	223.6	223.6	227.1	230.6	223.6	223.6	223.6
85°	124.2	127.8	120.7	120.7	120.7	127.8	124.2	117.1	124.2	124.2	120.7
87.5°	46.1	42.6	42.6	42.6	42.6	42.6	46.1	49.7	49.7	49.7	53.3
90°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8
92.5°	264.2	253.7	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6
95°	897.0	865.1	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3
97.5°	2070.7	2010.1	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4
100°	2907.9	2835.7	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6
102.5°	3622.7	3560.9	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6
105°	4457.0	4423.8	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3
107.5°	4890.9	4899.0	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6
110°	5002.2	5036.8	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4931.3	4984.5	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9
115°	4690.7	4764.4	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3
117.5°	4358.3	4440.0	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9
120°	4134.5	4213.9	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6
122.5°	3910.5	3988.9	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9
125°	3614.3	3686.4	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0
127.5°	3376.5	3437.4	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9
130°	3226.3	3282.6	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1
132.5°	3098.4	3148.8	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0
135°	2917.6	2961.1	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3
137.5°	2784.1	2819.6	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3
140°	2677.0	2710.2	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2
142.5°	2602.0	2630.5	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4
145°	2489.2	2510.9	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4
147.5°	2394.7	2412.6	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0
150°	2340.4	2354.9	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1
152.5°	2297.4	2308.4	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7
155°	2245.9	2253.1	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9
157.5°	2201.4	2206.5	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1
160°	2179.2	2182.1	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8
162.5°	2158.3	2161.1	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7
165°	2126.3	2129.2	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8
167.5°	2112.4	2113.7	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2
172.5°	2101.3	2100.2	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4
177.5°	2083.2	2082.0	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3704.9	3722.6	3733.3	3747.5	3783.0
5°	3563.0	3630.4	3651.7	3704.9	3768.8
7.5°	3250.7	3456.5	3513.3	3641.1	3740.3
10°	2949.0	3154.8	3254.2	3555.8	3704.9
12.5°	2796.4	2917.1	2984.5	3406.8	3655.2
15°	2700.6	2785.8	2835.5	3208.1	3598.4
17.5°	2626.0	2686.4	2721.9	3012.9	3520.4
20°	2579.9	2608.3	2640.3	2870.9	3431.6
22.5°	2548.0	2530.2	2555.1	2771.6	3311.0
25°	2526.7	2459.3	2487.7	2693.5	3169.0
27.5°	2544.5	2395.4	2406.1	2622.5	3020.0
30°	2548.0	2317.3	2320.9	2548.0	2853.2
32.5°	2523.2	2235.7	2239.3	2455.8	2665.1
35°	2462.8	2139.9	2136.4	2349.3	2409.6
37.5°	2381.2	2037.0	2037.0	2232.2	2129.2
40°	2281.9	1934.1	1944.7	2079.5	1880.9
42.5°	2161.2	1824.0	1838.3	1877.3	1696.3
45°	2029.9	1717.6	1728.2	1586.3	1554.4
47.5°	1884.4	1607.6	1611.1	1316.6	1508.2
50°	1710.5	1494.0	1479.9	1128.5	1504.7
52.5°	1557.9	1369.8	1327.2	1022.0	1366.2
55°	1408.9	1238.5	1146.3	940.4	1266.9
57.5°	1277.5	1068.2	979.5	844.6	1245.6
60°	1156.9	901.4	834.0	741.7	1142.7
62.5°	1057.5	777.2	763.0	670.7	1036.2
65°	951.1	692.0	688.5	610.4	880.1
67.5°	848.1	635.2	631.6	553.6	670.7
70°	738.2	574.9	567.8	493.3	496.8
72.5°	624.6	507.5	500.4	443.6	411.7
75°	511.0	429.4	425.8	386.8	333.6
77.5°	401.0	340.7	347.7	312.3	244.9
80°	287.5	248.4	255.5	223.6	184.5
82.5°	191.6	163.2	170.4	141.9	124.2
85°	106.5	92.3	95.8	74.5	56.8
87.5°	49.7	42.6	42.6	28.4	17.7
90°	61.1	38.9	36.2	25.0	13.9
92.5°	377.4	268.4	244.8	150.1	55.6
95°	928.4	522.9	479.6	306.6	133.5
97.5°	1250.7	574.3	536.2	383.5	230.8
100°	1367.9	617.5	582.8	444.4	305.9
102.5°	1421.8	660.6	628.2	499.1	369.9
105°	1461.6	724.6	697.2	587.8	478.4
107.5°	1469.0	819.1	793.6	691.6	589.7
110°	1457.8	871.9	848.9	756.8	664.8



TEST NUMBER: P935654

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1458.3	935.9	913.9	826.2	738.5
115°	1471.8	1031.8	1011.6	930.6	849.7
117.5°	1499.1	1125.0	1106.7	1033.1	959.6
120°	1521.4	1179.3	1162.0	1092.7	1023.5
122.5°	1553.4	1243.2	1225.8	1155.9	1086.1
125°	1596.5	1325.3	1309.4	1245.7	1182.1
127.5°	1639.6	1404.6	1388.5	1324.3	1260.0
130°	1671.1	1457.4	1440.1	1370.9	1301.7
132.5°	1696.6	1500.5	1483.3	1414.0	1344.8
135°	1724.5	1550.6	1534.8	1471.8	1408.8
137.5°	1766.1	1614.5	1598.9	1536.5	1474.1
140°	1791.6	1657.7	1643.3	1585.8	1528.3
142.5°	1812.9	1689.6	1676.4	1623.2	1570.0
145°	1840.8	1738.3	1726.8	1680.4	1634.0
147.5°	1881.6	1799.5	1788.2	1743.1	1698.0
150°	1902.9	1831.5	1821.3	1780.5	1739.7
152.5°	1916.9	1852.4	1844.7	1813.7	1782.8
155°	1947.4	1898.2	1892.5	1869.7	1846.8
157.5°	1978.0	1944.2	1938.6	1916.3	1894.1
160°	1991.9	1965.0	1960.7	1943.4	1926.1
162.5°	2006.8	1987.2	1984.0	1971.0	1958.0
165°	2028.1	2019.2	2016.2	2004.5	1992.8
167.5°	2044.7	2037.3	2035.9	2030.4	2024.8
170°	2058.6	2058.1	2056.8	2051.2	2045.7
172.5°	2059.6	2059.6	2059.3	2058.1	2056.8
175°	2067.9	2072.1	2072.1	2072.1	2072.1
177.5°	2068.9	2072.1	2072.1	2072.1	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935654
 CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-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	12.54	13.34	13.57	14.37	15.75	15.39	16.19	16.42	17.22	18.60
	3H	13.01	13.73	14.05	14.77	16.17	16.74	17.45	17.77	18.49	19.89
	4H	13.20	13.88	14.25	14.92	16.33	17.19	17.86	18.23	18.90	20.31
	6H	13.32	13.94	14.37	14.98	16.40	17.47	18.09	18.53	19.14	20.56
	8H	13.32	13.91	14.38	14.97	16.38	17.55	18.14	18.61	19.20	20.62
	12H	13.29	13.85	14.35	14.90	16.34	17.59	18.15	18.65	19.21	20.64
4H	2H	13.57	14.25	14.62	15.29	16.70	15.79	16.47	16.85	17.51	18.92
	3H	14.59	15.15	15.65	16.22	17.65	17.30	17.86	18.36	18.93	20.35
	4H	14.87	15.38	15.93	16.44	17.88	17.83	18.34	18.90	19.40	20.85
	6H	14.99	15.43	16.06	16.51	17.95	18.20	18.64	19.27	19.72	21.16
	8H	14.99	15.40	16.07	16.48	17.93	18.30	18.72	19.38	19.79	21.25
	12H	14.95	15.33	16.05	16.42	17.88	18.36	18.73	19.46	19.83	21.28
8H	4H	15.32	15.73	16.39	16.81	18.26	17.95	18.36	19.02	19.44	20.89
	6H	15.58	15.92	16.67	17.04	18.49	18.39	18.73	19.49	19.85	21.30
	8H	15.62	15.92	16.72	17.02	18.49	18.54	18.84	19.65	19.94	21.41
	12H	15.60	15.86	16.71	16.96	18.47	18.64	18.90	19.75	20.00	21.51
12H	4H	15.32	15.69	16.41	16.78	18.24	17.91	18.28	19.00	19.37	20.83
	6H	15.64	15.94	16.74	17.04	18.51	18.38	18.68	19.49	19.78	21.25
	8H	15.70	15.96	16.81	17.06	18.57	18.55	18.81	19.65	19.91	21.41