

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: P935129

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935129
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-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

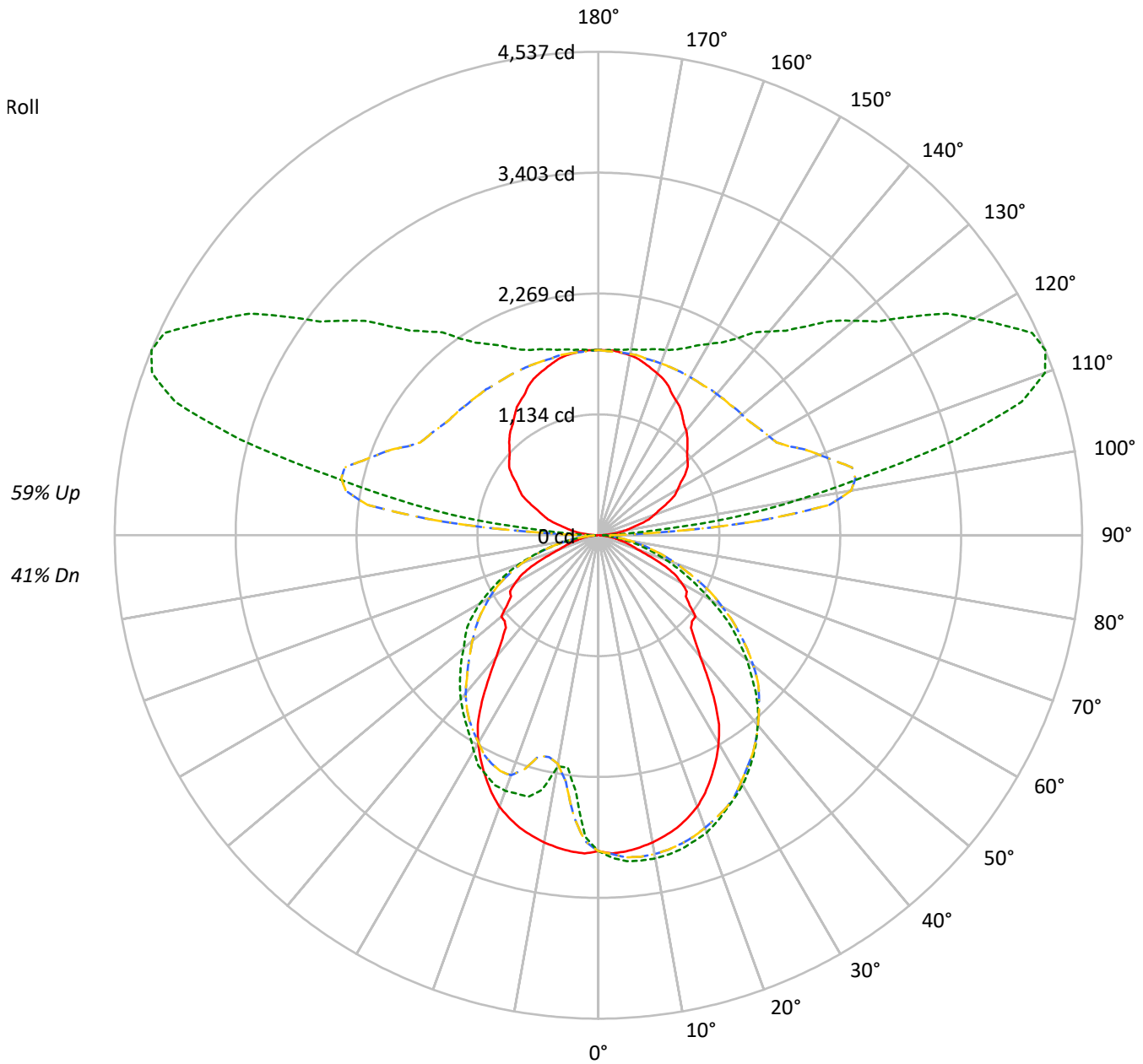
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18957.7 lumens
Efficiency: N/A
Efficacy: 128.4 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: P935129
CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9168	9168	9168	9168
5°	9240	9255	9240	7277
10°	9181	9116	9181	6517
15°	9085	8919	9085	7447
20°	8899	8685	8899	7463
25°	8513	8344	8513	7305
30°	8014	8060	8014	6957
35°	7148	7702	7148	6576
40°	5959	7280	5959	6287
45°	5328	6786	5328	5956
50°	5665	6197	5665	5623
55°	5335	5563	5335	5431
60°	5506	4724	5506	4974
65°	5000	3905	5000	4365
70°	3471	3112	3471	3659
75°	3055	2300	3055	2755
80°	2480	1521	2480	1656
85°	1455	806	1455	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8161 cd/sqm



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	1.4
10°-20°	759.7	4.0
20°-30°	1174.3	6.2
30°-40°	1401.8	7.4
40°-50°	1410.1	7.4
50°-60°	1226.9	6.5
60°-70°	869.9	4.6
70°-80°	460.2	2.4
80°-90°	121.3	0.6
90°-100°	847.1	4.5
100°-110°	2227.2	11.7
110°-120°	2309.3	12.2
120°-130°	1852.4	9.8
130°-140°	1453.4	7.7
140°-150°	1115.6	5.9
150°-160°	803.4	4.2
160°-170°	491.6	2.6
170°-180°	166.1	0.9
0°-30°	2201.5	11.6
0°-40°	3603.4	19.0
0°-60°	6240.3	32.9
0°-90°	7691.7	40.6
90°-120°	5383.6	28.4
90°-150°	9804.9	51.7
90°-180°	11266.0	59.4
0°-180°	18957.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2964	2964	2964	2964	2964	
5°	2978	3071	2978	2414	2978	283
15°	2844	3043	2844	2541	2844	800
25°	2504	2838	2504	2484	2504	1150
35°	1904	2532	1904	2162	1904	1178
45°	1228	2086	1228	1831	1228	984
55°	1001	1540	1001	1503	1001	920
65°	695	928	695	1038	695	665
75°	264	440	264	527	264	277
85°	45	112	45	95	45	61
90°	12	44	12	44	12	12
95°	112	512	112	512	112	124
105°	401	3487	401	3487	401	425
115°	713	4490	713	4490	713	704
125°	991	3576	991	3576	991	880
135°	1182	2775	1182	2775	1182	914
145°	1370	2251	1370	2251	1370	859
155°	1549	1938	1549	1938	1549	712
165°	1671	1806	1671	1806	1671	472
175°	1738	1750	1738	1750	1738	165
180°	1738	1738	1738	1738	1738	



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2989.3	2989.3	3006.1	3011.7	3011.7	3003.3	2994.9	3003.3	3028.5	3037.0	3034.1
5°	2978.1	3000.5	3031.3	3037.0	3042.6	3039.8	3034.1	3039.8	3067.8	3073.4	3076.2
7.5°	2955.6	2997.7	3037.0	3045.4	3053.8	3045.4	3042.6	3048.2	3076.2	3081.8	3081.8
10°	2927.6	2986.5	3031.3	3037.0	3045.4	3037.0	3037.0	3048.2	3076.2	3081.8	3084.6
12.5°	2888.3	2969.7	3011.7	3017.3	3028.5	3025.7	3022.9	3034.1	3062.2	3067.8	3067.8
15°	2843.5	2938.8	2978.1	2983.7	3003.3	2997.7	2997.7	3008.9	3039.8	3048.2	3045.4
17.5°	2781.8	2899.6	2944.4	2952.8	2966.9	2964.0	2966.9	2978.1	3006.1	3011.7	3014.5
20°	2711.7	2846.3	2899.6	2908.0	2922.0	2922.0	2922.0	2936.0	2964.0	2975.3	2975.3
22.5°	2616.3	2790.2	2846.3	2851.9	2868.7	2868.7	2874.3	2893.9	2919.2	2922.0	2922.0
25°	2504.2	2728.5	2776.2	2793.0	2809.8	2818.2	2826.6	2837.9	2846.3	2843.5	2846.3
27.5°	2386.3	2650.0	2711.7	2722.9	2745.3	2753.7	2765.0	2767.8	2770.6	2779.0	2773.4
30°	2254.5	2540.6	2633.2	2644.4	2680.8	2686.4	2675.2	2680.8	2694.9	2700.5	2706.1
32.5°	2105.9	2377.9	2551.8	2577.1	2610.7	2593.9	2591.1	2599.5	2621.9	2621.9	2627.6
35°	1904.0	2251.7	2476.1	2498.6	2523.8	2504.2	2515.4	2518.2	2532.2	2540.6	2537.8
37.5°	1682.5	2142.3	2397.5	2414.3	2434.0	2408.7	2425.6	2434.0	2445.2	2439.6	2439.6
40°	1486.2	1971.3	2305.0	2316.2	2333.0	2313.4	2330.2	2335.8	2341.4	2335.8	2333.0
42.5°	1340.4	1783.4	2206.8	2220.9	2209.6	2223.7	2229.3	2240.5	2232.1	2220.9	2220.9
45°	1228.2	1732.9	2100.3	2117.1	2100.3	2122.7	2131.1	2131.1	2105.9	2100.3	2097.5
47.5°	1191.8	1632.0	1993.7	1993.7	1985.3	2013.4	2027.4	2007.7	1982.5	1974.1	1974.1
50°	1188.9	1519.8	1847.9	1836.7	1876.0	1909.6	1895.6	1876.0	1856.3	1825.5	1825.5
52.5°	1079.6	1382.4	1660.0	1702.1	1763.8	1783.4	1761.0	1741.4	1707.7	1693.7	1682.5
55°	1001.1	1239.4	1489.0	1573.1	1637.6	1662.8	1620.8	1601.2	1550.7	1542.3	1536.7
57.5°	984.2	1031.9	1332.0	1438.5	1517.0	1514.2	1489.0	1452.5	1410.5	1402.1	1399.3
60°	902.9	745.9	1163.7	1289.9	1371.2	1362.8	1340.4	1306.7	1267.5	1261.9	1256.2
62.5°	818.8	541.2	973.0	1116.0	1231.0	1228.2	1208.6	1158.1	1130.1	1116.0	1104.8
65°	695.4	454.3	692.6	928.2	1093.6	1099.2	1057.2	1020.7	989.9	973.0	970.2
67.5°	530.0	370.1	468.3	773.9	961.8	956.2	902.9	886.1	846.8	838.4	821.6
70°	392.6	246.8	325.3	628.1	832.8	818.8	776.7	757.1	720.7	701.0	689.8
72.5°	325.3	199.1	238.4	487.9	701.0	684.2	647.8	625.3	594.5	577.6	566.4
75°	263.6	210.3	182.3	361.7	569.2	558.0	524.4	501.9	476.7	454.3	457.1
77.5°	193.5	196.3	145.8	266.4	451.5	434.6	415.0	387.0	375.8	353.3	353.3
80°	145.8	154.2	109.4	182.3	325.3	325.3	308.5	288.8	269.2	258.0	258.0
82.5°	98.1	98.1	81.3	115.0	221.5	213.1	201.9	196.3	185.1	179.5	179.5
85°	44.9	56.1	50.5	70.1	120.6	126.2	126.2	120.6	117.8	112.2	115.0
87.5°	14.0	25.2	30.8	39.3	61.7	64.5	67.3	67.3	67.3	70.1	70.1
90°	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1	44.3	44.3
92.5°	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2	221.6	212.8
95°	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9	752.3	725.5
97.5°	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6	1736.7	1685.9
100°	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0	2438.8	2378.4
102.5°	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6	3038.4	2986.5
105°	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9	3738.2	3710.3
107.5°	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8	4102.1	4108.8
110°	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1	4195.3	4224.4



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1	4135.9	4180.5
115°	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2	3934.1	3995.9
117.5°	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2	3655.4	3723.9
120°	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3	3467.6	3534.2
122.5°	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2	3279.8	3345.5
125°	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9	3031.3	3091.8
127.5°	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7	2831.9	2882.9
130°	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7	2706.0	2753.2
132.5°	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4	2598.7	2640.9
135°	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6	2447.0	2483.4
137.5°	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2	2335.1	2364.9
140°	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6	2245.3	2273.1
142.5°	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6	2182.3	2206.2
145°	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7	2087.8	2105.9
147.5°	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9	2008.5	2023.5
150°	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5	1963.0	1975.1
152.5°	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4	1926.8	1936.0
155°	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6	1883.6	1889.7
157.5°	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8	1846.3	1850.6
160°	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3	1827.6	1830.1
162.5°	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7	1810.2	1812.5
165°	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8	1783.3	1785.8
167.5°	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0	1771.7	1772.8
170°	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0	1771.7	1771.7
172.5°	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7	1762.4	1761.5
175°	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1	1749.5	1749.5
177.5°	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4	1747.2	1746.1
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3039.8	3031.3	3039.8	3034.1	3037.0	3028.5	3003.3	2994.9	3003.3	3011.7	3011.7
5°	3076.2	3070.6	3076.2	3076.2	3073.4	3067.8	3039.8	3034.1	3039.8	3042.6	3037.0
7.5°	3087.4	3079.0	3087.4	3081.8	3081.8	3076.2	3048.2	3042.6	3045.4	3053.8	3045.4
10°	3087.4	3079.0	3087.4	3084.6	3081.8	3076.2	3048.2	3037.0	3037.0	3045.4	3037.0
12.5°	3073.4	3067.8	3073.4	3067.8	3067.8	3062.2	3034.1	3022.9	3025.7	3028.5	3017.3
15°	3051.0	3042.6	3051.0	3045.4	3048.2	3039.8	3008.9	2997.7	2997.7	3003.3	2983.7
17.5°	3017.3	3006.1	3017.3	3014.5	3011.7	3006.1	2978.1	2966.9	2964.0	2966.9	2952.8
20°	2978.1	2969.7	2978.1	2975.3	2975.3	2964.0	2936.0	2922.0	2922.0	2922.0	2908.0
22.5°	2916.4	2908.0	2916.4	2922.0	2922.0	2919.2	2893.9	2874.3	2868.7	2868.7	2851.9
25°	2846.3	2837.9	2846.3	2846.3	2843.5	2846.3	2837.9	2826.6	2818.2	2809.8	2793.0
27.5°	2779.0	2773.4	2779.0	2773.4	2779.0	2770.6	2767.8	2765.0	2753.7	2745.3	2722.9
30°	2711.7	2706.1	2711.7	2706.1	2700.5	2694.9	2680.8	2675.2	2686.4	2680.8	2644.4
32.5°	2627.6	2621.9	2627.6	2627.6	2621.9	2621.9	2599.5	2591.1	2593.9	2610.7	2577.1
35°	2540.6	2532.2	2540.6	2537.8	2540.6	2532.2	2518.2	2515.4	2504.2	2523.8	2498.6
37.5°	2439.6	2431.2	2439.6	2439.6	2439.6	2445.2	2434.0	2425.6	2408.7	2434.0	2414.3
40°	2335.8	2324.6	2335.8	2333.0	2335.8	2341.4	2335.8	2330.2	2313.4	2333.0	2316.2
42.5°	2218.1	2215.3	2218.1	2220.9	2220.9	2232.1	2240.5	2229.3	2223.7	2209.6	2220.9
45°	2091.9	2086.3	2091.9	2097.5	2100.3	2105.9	2131.1	2131.1	2122.7	2100.3	2117.1
47.5°	1957.3	1943.3	1957.3	1974.1	1974.1	1982.5	2007.7	2027.4	2013.4	1985.3	1993.7
50°	1814.3	1817.1	1814.3	1825.5	1825.5	1856.3	1876.0	1895.6	1909.6	1876.0	1836.7
52.5°	1674.1	1671.3	1674.1	1682.5	1693.7	1707.7	1741.4	1761.0	1783.4	1763.8	1702.1
55°	1533.9	1539.5	1533.9	1536.7	1542.3	1550.7	1601.2	1620.8	1662.8	1637.6	1573.1
57.5°	1393.6	1385.2	1393.6	1399.3	1402.1	1410.5	1452.5	1489.0	1514.2	1517.0	1438.5
60°	1231.0	1219.8	1231.0	1256.2	1261.9	1267.5	1306.7	1340.4	1362.8	1371.2	1289.9
62.5°	1088.0	1068.4	1088.0	1104.8	1116.0	1130.1	1158.1	1208.6	1228.2	1231.0	1116.0
65°	936.6	928.2	936.6	970.2	973.0	989.9	1020.7	1057.2	1099.2	1093.6	928.2
67.5°	799.2	799.2	799.2	821.6	838.4	846.8	886.1	902.9	956.2	961.8	773.9
70°	673.0	670.2	673.0	689.8	701.0	720.7	757.1	776.7	818.8	832.8	628.1
72.5°	552.4	549.6	552.4	566.4	577.6	594.5	625.3	647.8	684.2	701.0	487.9
75°	445.9	440.2	445.9	457.1	454.3	476.7	501.9	524.4	558.0	569.2	361.7
77.5°	342.1	342.1	342.1	353.3	353.3	375.8	387.0	415.0	434.6	451.5	266.4
80°	255.2	252.4	255.2	258.0	258.0	269.2	288.8	308.5	325.3	325.3	182.3
82.5°	179.5	173.9	179.5	179.5	179.5	185.1	196.3	201.9	213.1	221.5	115.0
85°	112.2	112.2	112.2	115.0	112.2	117.8	120.6	126.2	126.2	120.6	70.1
87.5°	72.9	70.1	72.9	70.1	70.1	67.3	67.3	67.3	64.5	61.7	39.3
90°	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2	51.3	32.6
92.5°	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3	316.5	225.1
95°	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3	778.7	438.6
97.5°	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2	1048.9	481.7
100°	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5	1147.3	517.8
102.5°	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6	1192.4	554.0
105°	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1	1225.9	607.7
107.5°	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8	1232.0	687.0
110°	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9	1222.7	731.3



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3	1223.2	785.0
115°	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3	1234.4	865.4
117.5°	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6	1257.4	943.6
120°	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6	1276.1	989.1
122.5°	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7	1302.9	1042.8
125°	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3	1339.0	1111.6
127.5°	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0	1375.1	1178.0
130°	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6	1401.6	1222.3
132.5°	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2	1422.9	1258.5
135°	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7	1446.3	1300.5
137.5°	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8	1481.2	1354.1
140°	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5	1502.6	1390.3
142.5°	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4	1520.5	1417.1
145°	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4	1543.9	1458.0
147.5°	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9	1578.1	1509.3
150°	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8	1596.0	1536.1
152.5°	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7	1607.6	1553.6
155°	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3	1633.3	1592.1
157.5°	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9	1659.0	1630.6
160°	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7	1670.6	1648.1
162.5°	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8	1683.0	1666.7
165°	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8	1700.9	1693.5
167.5°	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2	1714.9	1708.7
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1	1726.6	1726.2
172.5°	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7	1734.3	1737.9
177.5°	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5	1735.2	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3006.1	2989.3	2989.3	2961.2	2950.0	2941.6	2927.6	2885.5	2874.3	2863.1	2879.9
5°	3031.3	3000.5	2978.1	2927.6	2885.5	2868.7	2815.4	2714.5	2647.2	2596.7	2568.7
7.5°	3037.0	2997.7	2955.6	2877.1	2776.2	2731.3	2568.7	2383.5	2333.0	2288.2	2260.1
10°	3031.3	2986.5	2927.6	2809.8	2571.5	2493.0	2330.2	2209.6	2178.8	2170.4	2178.8
12.5°	3011.7	2969.7	2888.3	2692.0	2358.3	2305.0	2209.6	2139.5	2133.9	2148.0	2223.7
15°	2978.1	2938.8	2843.5	2535.0	2240.5	2201.2	2133.9	2108.7	2139.5	2237.7	2464.8
17.5°	2944.4	2899.6	2781.8	2380.7	2150.8	2122.7	2075.0	2125.5	2299.4	2431.2	2507.0
20°	2899.6	2846.3	2711.7	2268.5	2086.3	2061.0	2038.6	2265.7	2397.5	2445.2	2487.3
22.5°	2846.3	2790.2	2616.3	2190.0	2019.0	1999.3	2013.4	2344.2	2397.5	2431.2	2467.6
25°	2776.2	2728.5	2504.2	2128.3	1965.7	1943.3	1996.5	2335.8	2366.7	2375.1	2448.0
27.5°	2711.7	2650.0	2386.3	2072.2	1901.2	1892.8	2010.6	2299.4	2321.8	2330.2	2408.7
30°	2633.2	2540.6	2254.5	2013.4	1833.9	1831.1	2013.4	2254.5	2248.9	2271.3	2349.9
32.5°	2551.8	2377.9	2105.9	1940.4	1769.4	1766.6	1993.7	2187.2	2181.6	2212.4	2271.3
35°	2476.1	2251.7	1904.0	1856.3	1688.1	1690.9	1946.1	2108.7	2111.5	2139.5	2176.0
37.5°	2397.5	2142.3	1682.5	1763.8	1609.6	1609.6	1881.6	2035.8	2030.2	2038.6	2089.1
40°	2305.0	1971.3	1486.2	1643.2	1536.7	1528.2	1803.0	1957.3	1937.6	1934.8	2004.9
42.5°	2206.8	1783.4	1340.4	1483.4	1452.5	1441.3	1707.7	1861.9	1825.5	1833.9	1923.6
45°	2100.3	1732.9	1228.2	1253.4	1365.6	1357.2	1604.0	1752.6	1727.3	1749.8	1842.3
47.5°	1993.7	1632.0	1191.8	1040.3	1273.1	1270.3	1489.0	1646.0	1632.0	1654.4	1752.6
50°	1847.9	1519.8	1188.9	891.7	1169.3	1180.5	1351.6	1542.3	1542.3	1561.9	1665.6
52.5°	1660.0	1382.4	1079.6	807.6	1048.7	1082.4	1231.0	1452.5	1458.1	1477.8	1570.3
55°	1489.0	1239.4	1001.1	743.1	905.7	978.6	1113.2	1360.0	1371.2	1390.8	1475.0
57.5°	1332.0	1031.9	984.2	667.4	773.9	844.0	1009.5	1270.3	1275.9	1292.7	1374.0
60°	1163.7	745.9	902.9	586.1	659.0	712.2	914.1	1163.7	1183.3	1194.6	1264.7
62.5°	973.0	541.2	818.8	530.0	602.9	614.1	835.6	1062.8	1088.0	1096.4	1138.5
65°	692.6	454.3	695.4	482.3	544.0	546.8	751.5	959.0	981.4	995.5	1026.3
67.5°	468.3	370.1	530.0	437.4	499.1	501.9	670.2	838.4	869.3	880.5	900.1
70°	325.3	246.8	392.6	389.8	448.7	454.3	583.3	729.1	757.1	765.5	776.7
72.5°	238.4	199.1	325.3	350.5	395.4	401.0	493.5	605.7	633.7	642.1	647.8
75°	182.3	210.3	263.6	305.6	336.5	339.3	403.8	493.5	513.2	518.8	521.6
77.5°	145.8	196.3	193.5	246.8	274.8	269.2	316.9	381.4	398.2	398.2	398.2
80°	109.4	154.2	145.8	176.7	201.9	196.3	227.1	272.0	277.6	283.2	280.4
82.5°	81.3	98.1	98.1	112.2	134.6	129.0	151.4	176.7	176.7	176.7	182.3
85°	50.5	56.1	44.9	58.9	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.3	42.1	39.3	39.3	39.3
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1
92.5°	205.3	125.9	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2
95°	402.3	257.1	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9
97.5°	449.7	321.6	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6
100°	488.8	372.7	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0
102.5°	526.9	418.6	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6
105°	584.8	493.0	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9
107.5°	665.6	580.1	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8
110°	712.0	634.8	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.6	693.0	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1
115°	848.4	780.6	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2
117.5°	928.2	866.5	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2
120°	974.6	916.5	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3
122.5°	1028.1	969.6	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2
125°	1098.2	1044.8	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9
127.5°	1164.6	1110.6	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7
130°	1207.8	1149.8	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7
132.5°	1244.0	1186.0	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4
135°	1287.3	1234.4	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6
137.5°	1341.0	1288.7	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2
140°	1378.2	1330.1	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6
142.5°	1406.0	1361.4	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6
145°	1448.2	1409.3	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7
147.5°	1499.8	1462.0	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9
150°	1527.5	1493.3	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5
152.5°	1547.1	1521.1	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4
155°	1587.3	1568.1	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6
157.5°	1625.9	1607.2	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8
160°	1644.4	1629.9	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3
162.5°	1664.0	1653.0	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7
165°	1691.1	1681.2	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8
167.5°	1707.5	1702.8	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0
170°	1725.1	1720.4	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0
172.5°	1727.1	1726.0	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7
175°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1
177.5°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2860.3	2851.9	2863.1	2832.3	2863.1	2851.9	2860.3	2879.9	2863.1	2874.3	2885.5
5°	2509.8	2495.8	2450.8	2414.3	2450.8	2495.8	2509.8	2568.7	2596.7	2647.2	2714.5
7.5°	2243.3	2232.1	2220.9	2198.4	2220.9	2232.1	2243.3	2260.1	2288.2	2333.0	2383.5
10°	2184.4	2187.2	2204.0	2201.2	2204.0	2187.2	2184.4	2178.8	2170.4	2178.8	2209.6
12.5°	2335.8	2361.1	2453.6	2448.0	2453.6	2361.1	2335.8	2223.7	2148.0	2133.9	2139.5
15°	2509.8	2518.2	2537.8	2540.6	2537.8	2518.2	2509.8	2464.8	2237.7	2139.5	2108.7
17.5°	2526.6	2529.4	2543.4	2543.4	2543.4	2529.4	2526.6	2507.0	2431.2	2299.4	2125.5
20°	2512.6	2518.2	2546.2	2551.8	2546.2	2518.2	2512.6	2487.3	2445.2	2397.5	2265.7
22.5°	2507.0	2518.2	2540.6	2537.8	2540.6	2518.2	2507.0	2467.6	2431.2	2397.5	2344.2
25°	2478.9	2478.9	2481.7	2484.5	2481.7	2478.9	2478.9	2448.0	2375.1	2366.7	2335.8
27.5°	2420.0	2425.6	2442.4	2439.6	2442.4	2425.6	2420.0	2408.7	2330.2	2321.8	2299.4
30°	2366.7	2361.1	2347.0	2335.8	2347.0	2361.1	2366.7	2349.9	2271.3	2248.9	2254.5
32.5°	2276.9	2262.9	2248.9	2240.5	2248.9	2262.9	2276.9	2271.3	2212.4	2181.6	2187.2
35°	2170.4	2173.2	2170.4	2162.0	2170.4	2173.2	2170.4	2176.0	2139.5	2111.5	2108.7
37.5°	2094.7	2100.3	2097.5	2086.3	2097.5	2100.3	2094.7	2089.1	2038.6	2030.2	2035.8
40°	2016.2	2019.0	2016.2	2007.7	2016.2	2019.0	2016.2	2004.9	1934.8	1937.6	1957.3
42.5°	1940.4	1937.6	1929.2	1923.6	1929.2	1937.6	1940.4	1923.6	1833.9	1825.5	1861.9
45°	1853.5	1856.3	1839.5	1831.1	1839.5	1856.3	1853.5	1842.3	1749.8	1727.3	1752.6
47.5°	1766.6	1766.6	1752.6	1744.2	1752.6	1766.6	1766.6	1752.6	1654.4	1632.0	1646.0
50°	1674.1	1671.3	1651.6	1648.8	1651.6	1671.3	1674.1	1665.6	1561.9	1542.3	1542.3
52.5°	1567.5	1567.5	1570.3	1575.9	1570.3	1567.5	1567.5	1570.3	1477.8	1458.1	1452.5
55°	1475.0	1477.8	1497.4	1503.0	1497.4	1477.8	1475.0	1475.0	1390.8	1371.2	1360.0
57.5°	1379.6	1379.6	1393.6	1393.6	1393.6	1379.6	1379.6	1374.0	1292.7	1275.9	1270.3
60°	1270.3	1275.9	1287.1	1284.3	1287.1	1275.9	1270.3	1264.7	1194.6	1183.3	1163.7
62.5°	1155.3	1160.9	1163.7	1158.1	1163.7	1160.9	1155.3	1138.5	1096.4	1088.0	1062.8
65°	1034.7	1040.3	1043.1	1037.5	1043.1	1040.3	1034.7	1026.3	995.5	981.4	959.0
67.5°	911.3	908.5	905.7	916.9	905.7	908.5	911.3	900.1	880.5	869.3	838.4
70°	785.2	785.2	782.3	788.0	782.3	785.2	785.2	776.7	765.5	757.1	729.1
72.5°	650.6	647.8	659.0	650.6	659.0	647.8	650.6	647.8	642.1	633.7	605.7
75°	518.8	524.4	518.8	527.2	518.8	524.4	518.8	521.6	518.8	513.2	493.5
77.5°	395.4	401.0	395.4	395.4	395.4	401.0	395.4	398.2	398.2	398.2	381.4
80°	280.4	277.6	277.6	274.8	277.6	277.6	280.4	280.4	283.2	277.6	272.0
82.5°	179.5	176.7	176.7	182.3	176.7	176.7	179.5	182.3	176.7	176.7	176.7
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.5	33.6	33.6	33.6	33.6	33.6	36.5	39.3	39.3	39.3	42.1
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2
92.5°	221.6	212.8	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3
95°	752.3	725.5	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3
97.5°	1736.7	1685.9	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2
100°	2438.8	2378.4	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5
102.5°	3038.4	2986.5	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6
105°	3738.2	3710.3	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1
107.5°	4102.1	4108.8	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8
110°	4195.3	4224.4	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4135.9	4180.5	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3
115°	3934.1	3995.9	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3
117.5°	3655.4	3723.9	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6
120°	3467.6	3534.2	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6
122.5°	3279.8	3345.5	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7
125°	3031.3	3091.8	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3
127.5°	2831.9	2882.9	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0
130°	2706.0	2753.2	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6
132.5°	2598.7	2640.9	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2
135°	2447.0	2483.4	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7
137.5°	2335.1	2364.9	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8
140°	2245.3	2273.1	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5
142.5°	2182.3	2206.2	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4
145°	2087.8	2105.9	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4
147.5°	2008.5	2023.5	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9
150°	1963.0	1975.1	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8
152.5°	1926.8	1936.0	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7
155°	1883.6	1889.7	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3
157.5°	1846.3	1850.6	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9
160°	1827.6	1830.1	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7
162.5°	1810.2	1812.5	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8
165°	1783.3	1785.8	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8
167.5°	1771.7	1772.8	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1
172.5°	1762.4	1761.5	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7
177.5°	1747.2	1746.1	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2927.6	2941.6	2950.0	2961.2	2989.3
5°	2815.4	2868.7	2885.5	2927.6	2978.1
7.5°	2568.7	2731.3	2776.2	2877.1	2955.6
10°	2330.2	2493.0	2571.5	2809.8	2927.6
12.5°	2209.6	2305.0	2358.3	2692.0	2888.3
15°	2133.9	2201.2	2240.5	2535.0	2843.5
17.5°	2075.0	2122.7	2150.8	2380.7	2781.8
20°	2038.6	2061.0	2086.3	2268.5	2711.7
22.5°	2013.4	1999.3	2019.0	2190.0	2616.3
25°	1996.5	1943.3	1965.7	2128.3	2504.2
27.5°	2010.6	1892.8	1901.2	2072.2	2386.3
30°	2013.4	1831.1	1833.9	2013.4	2254.5
32.5°	1993.7	1766.6	1769.4	1940.4	2105.9
35°	1946.1	1690.9	1688.1	1856.3	1904.0
37.5°	1881.6	1609.6	1609.6	1763.8	1682.5
40°	1803.0	1528.2	1536.7	1643.2	1486.2
42.5°	1707.7	1441.3	1452.5	1483.4	1340.4
45°	1604.0	1357.2	1365.6	1253.4	1228.2
47.5°	1489.0	1270.3	1273.1	1040.3	1191.8
50°	1351.6	1180.5	1169.3	891.7	1188.9
52.5°	1231.0	1082.4	1048.7	807.6	1079.6
55°	1113.2	978.6	905.7	743.1	1001.1
57.5°	1009.5	844.0	773.9	667.4	984.2
60°	914.1	712.2	659.0	586.1	902.9
62.5°	835.6	614.1	602.9	530.0	818.8
65°	751.5	546.8	544.0	482.3	695.4
67.5°	670.2	501.9	499.1	437.4	530.0
70°	583.3	454.3	448.7	389.8	392.6
72.5°	493.5	401.0	395.4	350.5	325.3
75°	403.8	339.3	336.5	305.6	263.6
77.5°	316.9	269.2	274.8	246.8	193.5
80°	227.1	196.3	201.9	176.7	145.8
82.5°	151.4	129.0	134.6	112.2	98.1
85°	84.1	72.9	75.7	58.9	44.9
87.5°	39.3	33.6	33.6	22.4	14.0
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.5	225.1	205.3	125.9	46.6
95°	778.7	438.6	402.3	257.1	112.0
97.5°	1048.9	481.7	449.7	321.6	193.6
100°	1147.3	517.8	488.8	372.7	256.6
102.5°	1192.4	554.0	526.9	418.6	310.2
105°	1225.9	607.7	584.8	493.0	401.3
107.5°	1232.0	687.0	665.6	580.1	494.6
110°	1222.7	731.3	712.0	634.8	557.6



TEST NUMBER: P935129

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1223.2	785.0	766.6	693.0	619.3
115°	1234.4	865.4	848.4	780.6	712.6
117.5°	1257.4	943.6	928.2	866.5	804.8
120°	1276.1	989.1	974.6	916.5	858.4
122.5°	1302.9	1042.8	1028.1	969.6	911.0
125°	1339.0	1111.6	1098.2	1044.8	991.4
127.5°	1375.1	1178.0	1164.6	1110.6	1056.7
130°	1401.6	1222.3	1207.8	1149.8	1091.7
132.5°	1422.9	1258.5	1244.0	1186.0	1127.9
135°	1446.3	1300.5	1287.3	1234.4	1181.6
137.5°	1481.2	1354.1	1341.0	1288.7	1236.3
140°	1502.6	1390.3	1378.2	1330.1	1281.9
142.5°	1520.5	1417.1	1406.0	1361.4	1316.8
145°	1543.9	1458.0	1448.2	1409.3	1370.5
147.5°	1578.1	1509.3	1499.8	1462.0	1424.1
150°	1596.0	1536.1	1527.5	1493.3	1459.1
152.5°	1607.6	1553.6	1547.1	1521.1	1495.2
155°	1633.3	1592.1	1587.3	1568.1	1548.9
157.5°	1659.0	1630.6	1625.9	1607.2	1588.5
160°	1670.6	1648.1	1644.4	1629.9	1615.4
162.5°	1683.0	1666.7	1664.0	1653.0	1642.2
165°	1700.9	1693.5	1691.1	1681.2	1671.3
167.5°	1714.9	1708.7	1707.5	1702.8	1698.2
170°	1726.6	1726.2	1725.1	1720.4	1715.7
172.5°	1727.3	1727.3	1727.1	1726.0	1725.0
175°	1734.3	1737.9	1737.9	1737.9	1737.9
177.5°	1735.2	1737.9	1737.9	1737.9	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935129
 CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.57	12.35	12.61	13.39	14.79	14.42	15.20	15.46	16.25	17.65
	3H	12.04	12.74	13.09	13.79	15.21	15.77	16.47	16.81	17.52	18.94
	4H	12.23	12.89	13.29	13.95	15.37	16.21	16.88	17.27	17.93	19.36
	6H	12.34	12.96	13.41	14.01	15.45	16.50	17.11	17.57	18.17	19.61
	8H	12.34	12.92	13.41	14.00	15.43	16.57	17.16	17.65	18.23	19.66
	12H	12.31	12.86	13.39	13.93	15.39	16.61	17.17	17.69	18.23	19.69
4H	2H	12.60	13.26	13.66	14.31	15.74	14.82	15.48	15.88	16.54	17.96
	3H	13.62	14.17	14.69	15.25	16.69	16.33	16.88	17.40	17.96	19.40
	4H	13.89	14.40	14.97	15.47	16.93	16.85	17.36	17.93	18.43	19.89
	6H	14.01	14.45	15.10	15.54	17.00	17.22	17.66	18.31	18.75	20.21
	8H	14.02	14.42	15.10	15.51	16.98	17.33	17.74	18.41	18.82	20.29
	12H	13.98	14.35	15.08	15.45	16.92	17.39	17.75	18.49	18.85	20.33
8H	4H	14.34	14.75	15.43	15.83	17.31	16.97	17.38	18.06	18.46	19.94
	6H	14.60	14.94	15.71	16.06	17.53	17.41	17.75	18.52	18.87	20.34
	8H	14.64	14.94	15.76	16.05	17.53	17.57	17.86	18.68	18.97	20.46
	12H	14.62	14.88	15.74	15.99	17.51	17.66	17.92	18.78	19.03	20.56
12H	4H	14.34	14.71	15.45	15.81	17.29	16.93	17.30	18.04	18.40	19.88
	6H	14.66	14.96	15.78	16.07	17.55	17.41	17.70	18.52	18.81	20.30
	8H	14.72	14.98	15.84	16.09	17.61	17.57	17.83	18.69	18.93	20.46