

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: P935156

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935156
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

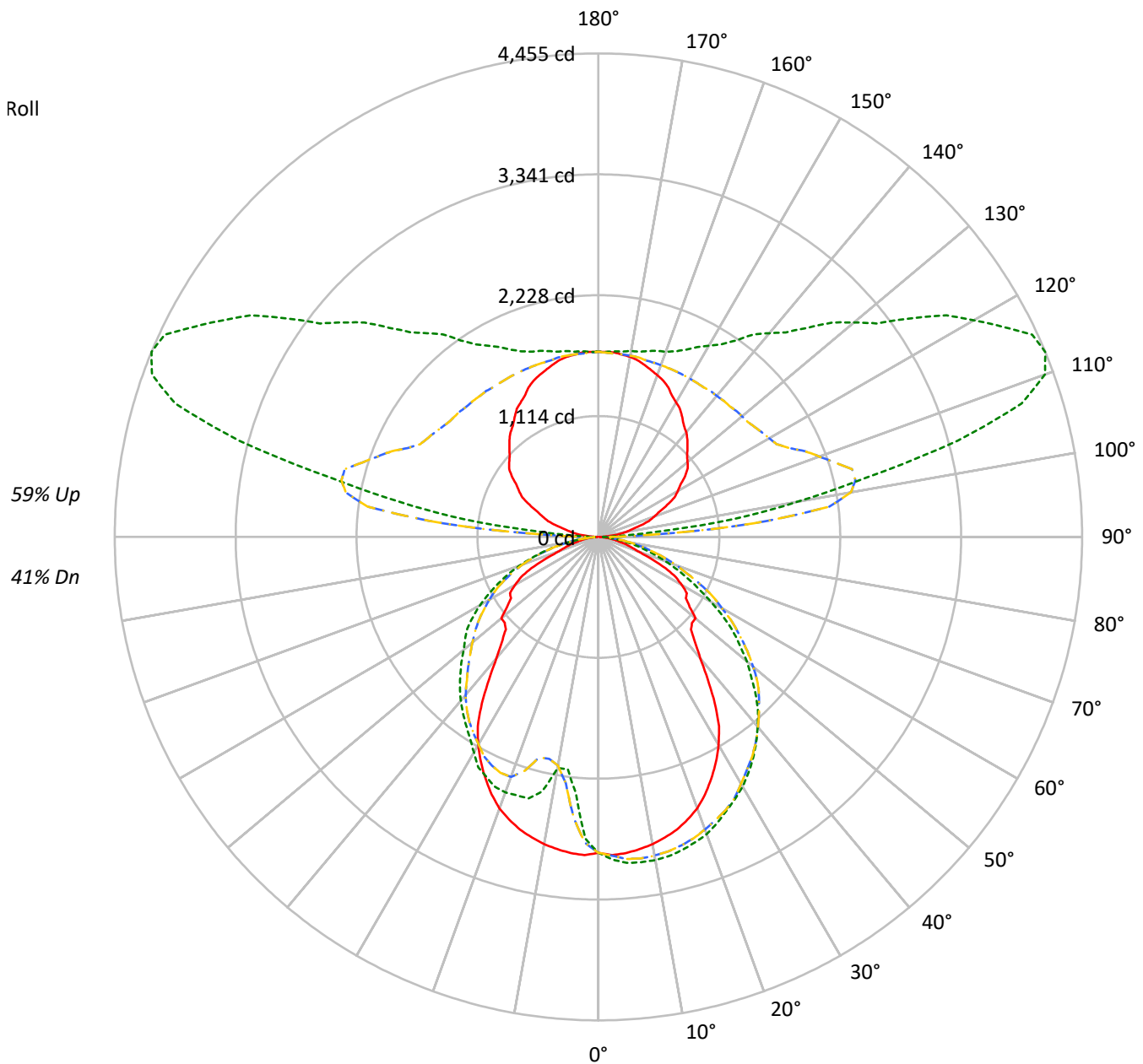
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18612.6 lumens
Efficiency: N/A
Efficacy: 126.1 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

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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	9001	9001	9001	9001
5°	9072	9086	9072	7144
10°	9014	8950	9014	6399
15°	8920	8757	8920	7312
20°	8737	8527	8737	7327
25°	8358	8192	8358	7172
30°	7868	7914	7868	6831
35°	7017	7562	7017	6456
40°	5851	7147	5851	6173
45°	5231	6662	5231	5848
50°	5562	6084	5562	5521
55°	5238	5461	5238	5332
60°	5406	4638	5406	4883
65°	4910	3834	4910	4286
70°	3407	3056	3407	3593
75°	3000	2259	3000	2705
80°	2436	1493	2436	1626
85°	1426	791	1426	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	1.4
10°-20°	745.8	4.0
20°-30°	1152.9	6.2
30°-40°	1376.3	7.4
40°-50°	1384.4	7.4
50°-60°	1204.6	6.5
60°-70°	854.1	4.6
70°-80°	451.9	2.4
80°-90°	119.0	0.6
90°-100°	831.7	4.5
100°-110°	2186.6	11.7
110°-120°	2267.3	12.2
120°-130°	1818.6	9.8
130°-140°	1427.0	7.7
140°-150°	1095.3	5.9
150°-160°	788.8	4.2
160°-170°	482.6	2.6
170°-180°	163.0	0.9
0°-30°	2161.4	11.6
0°-40°	3537.8	19.0
0°-60°	6126.8	32.9
0°-90°	7551.7	40.6
90°-120°	5285.6	28.4
90°-150°	9626.5	51.7
90°-180°	11061.0	59.4
0°-180°	18612.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2910	2910	2910	2910	2910	
5°	2924	3015	2924	2370	2924	277
15°	2792	2987	2792	2494	2792	785
25°	2459	2786	2459	2439	2459	1129
35°	1869	2486	1869	2123	1869	1157
45°	1206	2048	1206	1798	1206	966
55°	983	1511	983	1476	983	903
65°	683	911	683	1019	683	653
75°	259	432	259	518	259	272
85°	44	110	44	94	44	59
90°	12	44	12	44	12	11
95°	110	503	110	503	110	122
105°	394	3424	394	3424	394	418
115°	700	4409	700	4409	700	691
125°	973	3511	973	3511	973	864
135°	1160	2724	1160	2724	1160	898
145°	1346	2210	1346	2210	1346	843
155°	1521	1903	1521	1903	1521	699
165°	1641	1773	1641	1773	1641	463
175°	1706	1718	1706	1718	1706	162
180°	1706	1706	1706	1706	1706	



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2934.9	2934.9	2951.4	2956.9	2956.9	2948.6	2940.4	2948.6	2973.4	2981.7	2978.9
5°	2923.9	2945.9	2976.2	2981.7	2987.2	2984.4	2978.9	2984.4	3012.0	3017.5	3020.2
7.5°	2901.8	2943.1	2981.7	2989.9	2998.2	2989.9	2987.2	2992.7	3020.2	3025.7	3025.7
10°	2874.3	2932.1	2976.2	2981.7	2989.9	2981.7	2981.7	2992.7	3020.2	3025.7	3028.5
12.5°	2835.8	2915.6	2956.9	2962.4	2973.4	2970.7	2967.9	2978.9	3006.5	3012.0	3012.0
15°	2791.7	2885.3	2923.9	2929.4	2948.6	2943.1	2943.1	2954.2	2984.4	2992.7	2989.9
17.5°	2731.2	2846.8	2890.8	2899.1	2912.9	2910.1	2912.9	2923.9	2951.4	2956.9	2959.7
20°	2662.3	2794.5	2846.8	2855.0	2868.8	2868.8	2868.8	2882.6	2910.1	2921.1	2921.1
22.5°	2568.7	2739.4	2794.5	2800.0	2816.5	2816.5	2822.0	2841.3	2866.1	2868.8	2868.8
25°	2458.6	2678.8	2725.6	2742.2	2758.7	2766.9	2775.2	2786.2	2794.5	2791.7	2794.5
27.5°	2342.9	2601.8	2662.3	2673.3	2695.4	2703.6	2714.6	2717.4	2720.1	2728.4	2722.9
30°	2213.5	2494.4	2585.2	2596.3	2632.0	2637.5	2626.5	2632.0	2645.8	2651.3	2656.8
32.5°	2067.6	2334.6	2505.4	2530.2	2563.2	2546.7	2543.9	2552.2	2574.2	2574.2	2579.7
35°	1869.3	2210.7	2431.1	2453.1	2477.9	2458.6	2469.6	2472.4	2486.1	2494.4	2491.6
37.5°	1651.9	2103.4	2353.9	2370.4	2389.7	2364.9	2381.4	2389.7	2400.7	2395.2	2395.2
40°	1459.1	1935.4	2263.0	2274.0	2290.6	2271.3	2287.8	2293.3	2298.8	2293.3	2290.6
42.5°	1316.0	1751.0	2166.7	2180.4	2169.4	2183.2	2188.7	2199.7	2191.5	2180.4	2180.4
45°	1205.9	1701.4	2062.1	2078.6	2062.1	2084.1	2092.3	2092.3	2067.6	2062.1	2059.3
47.5°	1170.1	1602.3	1957.4	1957.4	1949.2	1976.7	1990.5	1971.2	1946.4	1938.2	1938.2
50°	1167.3	1492.2	1814.3	1803.3	1841.8	1874.9	1861.1	1841.8	1822.5	1792.3	1792.3
52.5°	1059.9	1357.3	1629.8	1671.1	1731.7	1751.0	1728.9	1709.7	1676.6	1662.9	1651.9
55°	982.9	1216.9	1461.9	1544.5	1607.8	1632.6	1591.3	1572.0	1522.5	1514.2	1508.7
57.5°	966.3	1013.1	1307.7	1412.3	1489.4	1486.7	1461.9	1426.1	1384.8	1376.5	1373.8
60°	886.5	732.3	1142.5	1266.4	1346.3	1338.0	1316.0	1282.9	1244.4	1238.9	1233.4
62.5°	803.9	531.3	955.3	1095.7	1208.6	1205.9	1186.6	1137.0	1109.5	1095.7	1084.7
65°	682.8	446.0	680.0	911.3	1073.7	1079.2	1037.9	1002.1	971.8	955.3	952.6
67.5°	520.3	363.4	459.8	759.9	944.3	938.8	886.5	870.0	831.4	823.2	806.7
70°	385.4	242.3	319.4	616.7	817.7	803.9	762.6	743.3	707.5	688.3	677.3
72.5°	319.4	195.5	234.0	479.0	688.3	671.8	636.0	613.9	583.7	567.1	556.1
75°	258.8	206.5	179.0	355.1	558.9	547.9	514.8	492.8	468.0	446.0	448.8
77.5°	190.0	192.7	143.2	261.5	443.2	426.7	407.5	379.9	368.9	346.9	346.9
80°	143.2	151.4	107.4	179.0	319.4	319.4	302.8	283.6	264.3	253.3	253.3
82.5°	96.4	96.4	79.8	112.9	217.5	209.2	198.2	192.7	181.7	176.2	176.2
85°	44.0	55.1	49.6	68.8	118.4	123.9	123.9	118.4	115.6	110.1	112.9
87.5°	13.8	24.8	30.3	38.5	60.6	63.3	66.1	66.1	66.1	68.8	68.8
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4	217.6	209.0
95°	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9	738.6	712.3
97.5°	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3	1705.1	1655.2
100°	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8	2394.4	2335.1
102.5°	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8	2983.1	2932.1
105°	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6	3670.1	3642.8
107.5°	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9	4027.4	4034.0
110°	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8	4119.0	4147.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2	4060.6	4104.4
115°	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5	3862.5	3923.1
117.5°	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4	3588.8	3656.1
120°	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0	3404.5	3469.9
122.5°	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4	3220.1	3284.6
125°	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2	2976.2	3035.6
127.5°	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6	2780.3	2830.4
130°	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2	2656.7	2703.1
132.5°	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2	2551.4	2592.9
135°	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3	2402.4	2438.2
137.5°	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4	2292.6	2321.9
140°	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9	2204.4	2231.7
142.5°	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7	2142.5	2166.0
145°	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0	2049.8	2067.6
147.5°	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1	1971.9	1986.7
150°	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3	1927.3	1939.2
152.5°	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6	1891.7	1900.7
155°	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4	1849.3	1855.3
157.5°	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0	1812.7	1816.9
160°	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8	1794.4	1796.8
162.5°	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3	1777.2	1779.5
165°	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8	1750.9	1753.3
167.5°	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0	1739.5	1740.5
170°	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0	1739.5	1739.5
172.5°	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8	1730.3	1729.4
175°	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4	1717.6	1717.6
177.5°	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7	1715.4	1714.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2984.4	2976.2	2984.4	2978.9	2981.7	2973.4	2948.6	2940.4	2948.6	2956.9	2956.9
5°	3020.2	3014.7	3020.2	3020.2	3017.5	3012.0	2984.4	2978.9	2984.4	2987.2	2981.7
7.5°	3031.2	3023.0	3031.2	3025.7	3025.7	3020.2	2992.7	2987.2	2989.9	2998.2	2989.9
10°	3031.2	3023.0	3031.2	3028.5	3025.7	3020.2	2992.7	2981.7	2981.7	2989.9	2981.7
12.5°	3017.5	3012.0	3017.5	3012.0	3012.0	3006.5	2978.9	2967.9	2970.7	2973.4	2962.4
15°	2995.4	2987.2	2995.4	2989.9	2992.7	2984.4	2954.2	2943.1	2943.1	2948.6	2929.4
17.5°	2962.4	2951.4	2962.4	2959.7	2956.9	2951.4	2923.9	2912.9	2910.1	2912.9	2899.1
20°	2923.9	2915.6	2923.9	2921.1	2921.1	2910.1	2882.6	2868.8	2868.8	2868.8	2855.0
22.5°	2863.3	2855.0	2863.3	2868.8	2868.8	2866.1	2841.3	2822.0	2816.5	2816.5	2800.0
25°	2794.5	2786.2	2794.5	2794.5	2791.7	2794.5	2786.2	2775.2	2766.9	2758.7	2742.2
27.5°	2728.4	2722.9	2728.4	2722.9	2728.4	2720.1	2717.4	2714.6	2703.6	2695.4	2673.3
30°	2662.3	2656.8	2662.3	2656.8	2651.3	2645.8	2632.0	2626.5	2637.5	2632.0	2596.3
32.5°	2579.7	2574.2	2579.7	2579.7	2574.2	2574.2	2552.2	2543.9	2546.7	2563.2	2530.2
35°	2494.4	2486.1	2494.4	2491.6	2494.4	2486.1	2472.4	2469.6	2458.6	2477.9	2453.1
37.5°	2395.2	2386.9	2395.2	2395.2	2395.2	2400.7	2389.7	2381.4	2364.9	2389.7	2370.4
40°	2293.3	2282.3	2293.3	2290.6	2293.3	2298.8	2293.3	2287.8	2271.3	2290.6	2274.0
42.5°	2177.7	2174.9	2177.7	2180.4	2180.4	2191.5	2199.7	2188.7	2183.2	2169.4	2180.4
45°	2053.8	2048.3	2053.8	2059.3	2062.1	2067.6	2092.3	2092.3	2084.1	2062.1	2078.6
47.5°	1921.7	1907.9	1921.7	1938.2	1938.2	1946.4	1971.2	1990.5	1976.7	1949.2	1957.4
50°	1781.2	1784.0	1781.2	1792.3	1792.3	1822.5	1841.8	1861.1	1874.9	1841.8	1803.3
52.5°	1643.6	1640.8	1643.6	1651.9	1662.9	1676.6	1709.7	1728.9	1751.0	1731.7	1671.1
55°	1505.9	1511.4	1505.9	1508.7	1514.2	1522.5	1572.0	1591.3	1632.6	1607.8	1544.5
57.5°	1368.3	1360.0	1368.3	1373.8	1376.5	1384.8	1426.1	1461.9	1486.7	1489.4	1412.3
60°	1208.6	1197.6	1208.6	1233.4	1238.9	1244.4	1282.9	1316.0	1338.0	1346.3	1266.4
62.5°	1068.2	1048.9	1068.2	1084.7	1095.7	1109.5	1137.0	1186.6	1205.9	1208.6	1095.7
65°	919.5	911.3	919.5	952.6	955.3	971.8	1002.1	1037.9	1079.2	1073.7	911.3
67.5°	784.6	784.6	784.6	806.7	823.2	831.4	870.0	886.5	938.8	944.3	759.9
70°	660.7	658.0	660.7	677.3	688.3	707.5	743.3	762.6	803.9	817.7	616.7
72.5°	542.4	539.6	542.4	556.1	567.1	583.7	613.9	636.0	671.8	688.3	479.0
75°	437.7	432.2	437.7	448.8	446.0	468.0	492.8	514.8	547.9	558.9	355.1
77.5°	335.9	335.9	335.9	346.9	346.9	368.9	379.9	407.5	426.7	443.2	261.5
80°	250.5	247.8	250.5	253.3	253.3	264.3	283.6	302.8	319.4	319.4	179.0
82.5°	176.2	170.7	176.2	176.2	176.2	181.7	192.7	198.2	209.2	217.5	112.9
85°	110.1	110.1	110.1	112.9	110.1	115.6	118.4	123.9	123.9	118.4	68.8
87.5°	71.6	68.8	71.6	68.8	68.8	66.1	66.1	66.1	63.3	60.6	38.5
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3	310.7	221.0
95°	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9	764.5	430.6
97.5°	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3	1029.8	473.0
100°	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4	1126.4	508.4
102.5°	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4	1170.7	543.9
105°	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8	1203.6	596.6
107.5°	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1	1209.6	674.5
110°	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7	1200.4	718.0



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5	1200.9	770.7
115°	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9	1211.9	849.7
117.5°	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2	1234.5	926.4
120°	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4	1252.8	971.1
122.5°	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6	1279.2	1023.8
125°	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4	1314.6	1091.3
127.5°	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2	1350.1	1156.6
130°	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7	1376.1	1200.1
132.5°	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3	1397.0	1235.6
135°	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8	1419.9	1276.8
137.5°	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7	1454.3	1329.5
140°	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4	1475.3	1365.0
142.5°	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2	1492.8	1391.3
145°	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3	1515.8	1431.4
147.5°	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5	1549.3	1481.8
150°	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3	1567.0	1508.1
152.5°	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1	1578.3	1525.3
155°	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5	1603.6	1563.1
157.5°	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0	1628.8	1600.9
160°	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7	1640.2	1618.1
162.5°	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8	1652.4	1636.3
165°	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7	1669.9	1662.7
167.5°	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9	1683.7	1677.6
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6	1695.2	1694.8
172.5°	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2	1702.8	1706.3
177.5°	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0	1703.6	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2951.4	2934.9	2934.9	2907.3	2896.3	2888.1	2874.3	2833.0	2822.0	2811.0	2827.5
5°	2976.2	2945.9	2923.9	2874.3	2833.0	2816.5	2764.2	2665.1	2599.0	2549.4	2521.9
7.5°	2981.7	2943.1	2901.8	2824.8	2725.6	2681.6	2521.9	2340.1	2290.6	2246.5	2219.0
10°	2976.2	2932.1	2874.3	2758.7	2524.7	2447.6	2287.8	2169.4	2139.1	2130.9	2139.1
12.5°	2956.9	2915.6	2835.8	2643.1	2315.3	2263.0	2169.4	2100.6	2095.1	2108.9	2183.2
15°	2923.9	2885.3	2791.7	2488.9	2199.7	2161.2	2095.1	2070.3	2100.6	2197.0	2420.0
17.5°	2890.8	2846.8	2731.2	2337.4	2111.6	2084.1	2037.3	2086.8	2257.5	2386.9	2461.3
20°	2846.8	2794.5	2662.3	2227.2	2048.3	2023.5	2001.5	2224.5	2353.9	2400.7	2442.1
22.5°	2794.5	2739.4	2568.7	2150.2	1982.2	1962.9	1976.7	2301.6	2353.9	2386.9	2422.7
25°	2725.6	2678.8	2458.6	2089.6	1929.9	1907.9	1960.2	2293.3	2323.6	2331.9	2403.4
27.5°	2662.3	2601.8	2342.9	2034.5	1866.6	1858.3	1974.0	2257.5	2279.6	2287.8	2364.9
30°	2585.2	2494.4	2213.5	1976.7	1800.5	1797.8	1976.7	2213.5	2208.0	2230.0	2307.1
32.5°	2505.4	2334.6	2067.6	1905.1	1737.2	1734.4	1957.4	2147.4	2141.9	2172.2	2230.0
35°	2431.1	2210.7	1869.3	1822.5	1657.4	1660.1	1910.6	2070.3	2073.1	2100.6	2136.4
37.5°	2353.9	2103.4	1651.9	1731.7	1580.3	1580.3	1847.3	1998.7	1993.2	2001.5	2051.0
40°	2263.0	1935.4	1459.1	1613.3	1508.7	1500.4	1770.2	1921.7	1902.4	1899.6	1968.5
42.5°	2166.7	1751.0	1316.0	1456.4	1426.1	1415.1	1676.6	1828.0	1792.3	1800.5	1888.6
45°	2062.1	1701.4	1205.9	1230.6	1340.8	1332.5	1574.8	1720.7	1695.9	1717.9	1808.8
47.5°	1957.4	1602.3	1170.1	1021.4	1249.9	1247.1	1461.9	1616.1	1602.3	1624.3	1720.7
50°	1814.3	1492.2	1167.3	875.5	1148.0	1159.0	1327.0	1514.2	1514.2	1533.5	1635.3
52.5°	1629.8	1357.3	1059.9	792.9	1029.7	1062.7	1208.6	1426.1	1431.6	1450.9	1541.7
55°	1461.9	1216.9	982.9	729.6	889.2	960.8	1093.0	1335.2	1346.3	1365.5	1448.1
57.5°	1307.7	1013.1	966.3	655.2	759.9	828.7	991.1	1247.1	1252.7	1269.2	1349.0
60°	1142.5	732.3	886.5	575.4	647.0	699.3	897.5	1142.5	1161.8	1172.8	1241.6
62.5°	955.3	531.3	803.9	520.3	591.9	602.9	820.4	1043.4	1068.2	1076.5	1117.8
65°	680.0	446.0	682.8	473.5	534.1	536.9	737.8	941.6	963.6	977.3	1007.6
67.5°	459.8	363.4	520.3	429.5	490.0	492.8	658.0	823.2	853.5	864.5	883.7
70°	319.4	242.3	385.4	382.7	440.5	446.0	572.6	715.8	743.3	751.6	762.6
72.5°	234.0	195.5	319.4	344.1	388.2	393.7	484.5	594.7	622.2	630.5	636.0
75°	179.0	206.5	258.8	300.1	330.4	333.1	396.4	484.5	503.8	509.3	512.1
77.5°	143.2	192.7	190.0	242.3	269.8	264.3	311.1	374.4	390.9	390.9	390.9
80°	107.4	151.4	143.2	173.4	198.2	192.7	223.0	267.0	272.6	278.1	275.3
82.5°	79.8	96.4	96.4	110.1	132.1	126.6	148.7	173.4	173.4	173.4	179.0
85°	49.6	55.1	44.0	57.8	74.3	71.6	82.6	93.6	96.4	96.4	90.9
87.5°	30.3	24.8	13.8	22.0	33.0	33.0	38.5	41.3	38.5	38.5	38.5
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4
95°	395.0	252.5	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9
97.5°	441.5	315.8	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3
100°	479.9	365.9	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8
102.5°	517.3	410.9	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8
105°	574.1	484.0	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6
107.5°	653.5	569.5	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9
110°	699.0	623.2	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.6	680.4	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2
115°	833.0	766.4	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5
117.5°	911.3	850.7	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4
120°	956.9	899.8	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0
122.5°	1009.4	951.9	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4
125°	1078.2	1025.8	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2
127.5°	1143.4	1090.4	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6
130°	1185.8	1128.9	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2
132.5°	1221.4	1164.4	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2
135°	1263.8	1211.9	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3
137.5°	1316.6	1265.2	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4
140°	1353.1	1305.9	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9
142.5°	1380.4	1336.6	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7
145°	1421.9	1383.7	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0
147.5°	1472.5	1435.4	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1
150°	1499.7	1466.1	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3
152.5°	1519.0	1493.5	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6
155°	1558.4	1539.5	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4
157.5°	1596.3	1578.0	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0
160°	1614.5	1600.3	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8
162.5°	1633.7	1622.9	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3
165°	1660.3	1650.6	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8
167.5°	1676.4	1671.9	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0
170°	1693.7	1689.1	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0
172.5°	1695.6	1694.6	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8
175°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4
177.5°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2808.2	2800.0	2811.0	2780.7	2811.0	2800.0	2808.2	2827.5	2811.0	2822.0	2833.0
5°	2464.1	2450.3	2406.2	2370.4	2406.2	2450.3	2464.1	2521.9	2549.4	2599.0	2665.1
7.5°	2202.5	2191.5	2180.4	2158.4	2180.4	2191.5	2202.5	2219.0	2246.5	2290.6	2340.1
10°	2144.7	2147.4	2163.9	2161.2	2163.9	2147.4	2144.7	2139.1	2130.9	2139.1	2169.4
12.5°	2293.3	2318.1	2408.9	2403.4	2408.9	2318.1	2293.3	2183.2	2108.9	2095.1	2100.6
15°	2464.1	2472.4	2491.6	2494.4	2491.6	2472.4	2464.1	2420.0	2197.0	2100.6	2070.3
17.5°	2480.6	2483.4	2497.1	2497.1	2497.1	2483.4	2480.6	2461.3	2386.9	2257.5	2086.8
20°	2466.9	2472.4	2499.9	2505.4	2499.9	2472.4	2466.9	2442.1	2400.7	2353.9	2224.5
22.5°	2461.3	2472.4	2494.4	2491.6	2494.4	2472.4	2461.3	2422.7	2386.9	2353.9	2301.6
25°	2433.8	2433.8	2436.6	2439.3	2436.6	2433.8	2433.8	2403.4	2331.9	2323.6	2293.3
27.5°	2375.9	2381.4	2397.9	2395.2	2397.9	2381.4	2375.9	2364.9	2287.8	2279.6	2257.5
30°	2323.6	2318.1	2304.3	2293.3	2304.3	2318.1	2323.6	2307.1	2230.0	2208.0	2213.5
32.5°	2235.5	2221.7	2208.0	2199.7	2208.0	2221.7	2235.5	2230.0	2172.2	2141.9	2147.4
35°	2130.9	2133.6	2130.9	2122.6	2130.9	2133.6	2130.9	2136.4	2100.6	2073.1	2070.3
37.5°	2056.6	2062.1	2059.3	2048.3	2059.3	2062.1	2056.6	2051.0	2001.5	1993.2	1998.7
40°	1979.5	1982.2	1979.5	1971.2	1979.5	1982.2	1979.5	1968.5	1899.6	1902.4	1921.7
42.5°	1905.1	1902.4	1894.1	1888.6	1894.1	1902.4	1905.1	1888.6	1800.5	1792.3	1828.0
45°	1819.8	1822.5	1806.0	1797.8	1806.0	1822.5	1819.8	1808.8	1717.9	1695.9	1720.7
47.5°	1734.4	1734.4	1720.7	1712.4	1720.7	1734.4	1734.4	1720.7	1624.3	1602.3	1616.1
50°	1643.6	1640.8	1621.6	1618.8	1621.6	1640.8	1643.6	1635.3	1533.5	1514.2	1514.2
52.5°	1539.0	1539.0	1541.7	1547.2	1541.7	1539.0	1539.0	1541.7	1450.9	1431.6	1426.1
55°	1448.1	1450.9	1470.1	1475.7	1470.1	1450.9	1448.1	1448.1	1365.5	1346.3	1335.2
57.5°	1354.5	1354.5	1368.3	1368.3	1368.3	1354.5	1354.5	1349.0	1269.2	1252.7	1247.1
60°	1247.1	1252.7	1263.7	1260.9	1263.7	1252.7	1247.1	1241.6	1172.8	1161.8	1142.5
62.5°	1134.3	1139.8	1142.5	1137.0	1142.5	1139.8	1134.3	1117.8	1076.5	1068.2	1043.4
65°	1015.9	1021.4	1024.1	1018.6	1024.1	1021.4	1015.9	1007.6	977.3	963.6	941.6
67.5°	894.8	892.0	889.2	900.3	889.2	892.0	894.8	883.7	864.5	853.5	823.2
70°	770.9	770.9	768.1	773.6	768.1	770.9	770.9	762.6	751.6	743.3	715.8
72.5°	638.7	636.0	647.0	638.7	647.0	636.0	638.7	636.0	630.5	622.2	594.7
75°	509.3	514.8	509.3	517.6	509.3	514.8	509.3	512.1	509.3	503.8	484.5
77.5°	388.2	393.7	388.2	388.2	388.2	393.7	388.2	390.9	390.9	390.9	374.4
80°	275.3	272.6	272.6	269.8	272.6	272.6	275.3	275.3	278.1	272.6	267.0
82.5°	176.2	173.4	173.4	179.0	173.4	173.4	176.2	179.0	173.4	173.4	173.4
85°	96.4	99.1	93.6	93.6	93.6	99.1	96.4	90.9	96.4	96.4	93.6
87.5°	35.8	33.0	33.0	33.0	33.0	33.0	35.8	38.5	38.5	38.5	41.3
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.6	209.0	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3
95°	738.6	712.3	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9
97.5°	1705.1	1655.2	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3
100°	2394.4	2335.1	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4
102.5°	2983.1	2932.1	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4
105°	3670.1	3642.8	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8
107.5°	4027.4	4034.0	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1
110°	4119.0	4147.5	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4060.6	4104.4	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5
115°	3862.5	3923.1	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9
117.5°	3588.8	3656.1	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2
120°	3404.5	3469.9	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4
122.5°	3220.1	3284.6	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6
125°	2976.2	3035.6	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4
127.5°	2780.3	2830.4	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2
130°	2656.7	2703.1	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7
132.5°	2551.4	2592.9	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3
135°	2402.4	2438.2	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8
137.5°	2292.6	2321.9	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7
140°	2204.4	2231.7	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4
142.5°	2142.5	2166.0	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2
145°	2049.8	2067.6	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3
147.5°	1971.9	1986.7	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5
150°	1927.3	1939.2	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3
152.5°	1891.7	1900.7	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1
155°	1849.3	1855.3	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5
157.5°	1812.7	1816.9	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0
160°	1794.4	1796.8	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7
162.5°	1777.2	1779.5	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8
165°	1750.9	1753.3	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7
167.5°	1739.5	1740.5	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6
172.5°	1730.3	1729.4	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2
177.5°	1715.4	1714.3	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2874.3	2888.1	2896.3	2907.3	2934.9
5°	2764.2	2816.5	2833.0	2874.3	2923.9
7.5°	2521.9	2681.6	2725.6	2824.8	2901.8
10°	2287.8	2447.6	2524.7	2758.7	2874.3
12.5°	2169.4	2263.0	2315.3	2643.1	2835.8
15°	2095.1	2161.2	2199.7	2488.9	2791.7
17.5°	2037.3	2084.1	2111.6	2337.4	2731.2
20°	2001.5	2023.5	2048.3	2227.2	2662.3
22.5°	1976.7	1962.9	1982.2	2150.2	2568.7
25°	1960.2	1907.9	1929.9	2089.6	2458.6
27.5°	1974.0	1858.3	1866.6	2034.5	2342.9
30°	1976.7	1797.8	1800.5	1976.7	2213.5
32.5°	1957.4	1734.4	1737.2	1905.1	2067.6
35°	1910.6	1660.1	1657.4	1822.5	1869.3
37.5°	1847.3	1580.3	1580.3	1731.7	1651.9
40°	1770.2	1500.4	1508.7	1613.3	1459.1
42.5°	1676.6	1415.1	1426.1	1456.4	1316.0
45°	1574.8	1332.5	1340.8	1230.6	1205.9
47.5°	1461.9	1247.1	1249.9	1021.4	1170.1
50°	1327.0	1159.0	1148.0	875.5	1167.3
52.5°	1208.6	1062.7	1029.7	792.9	1059.9
55°	1093.0	960.8	889.2	729.6	982.9
57.5°	991.1	828.7	759.9	655.2	966.3
60°	897.5	699.3	647.0	575.4	886.5
62.5°	820.4	602.9	591.9	520.3	803.9
65°	737.8	536.9	534.1	473.5	682.8
67.5°	658.0	492.8	490.0	429.5	520.3
70°	572.6	446.0	440.5	382.7	385.4
72.5°	484.5	393.7	388.2	344.1	319.4
75°	396.4	333.1	330.4	300.1	258.8
77.5°	311.1	264.3	269.8	242.3	190.0
80°	223.0	192.7	198.2	173.4	143.2
82.5°	148.7	126.6	132.1	110.1	96.4
85°	82.6	71.6	74.3	57.8	44.0
87.5°	38.5	33.0	33.0	22.0	13.8
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.7	221.0	201.5	123.6	45.8
95°	764.5	430.6	395.0	252.5	109.9
97.5°	1029.8	473.0	441.5	315.8	190.1
100°	1126.4	508.4	479.9	365.9	251.9
102.5°	1170.7	543.9	517.3	410.9	304.6
105°	1203.6	596.6	574.1	484.0	394.0
107.5°	1209.6	674.5	653.5	569.5	485.6
110°	1200.4	718.0	699.0	623.2	547.4



TEST NUMBER: P935156

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.9	770.7	752.6	680.4	608.1
115°	1211.9	849.7	833.0	766.4	699.7
117.5°	1234.5	926.4	911.3	850.7	790.1
120°	1252.8	971.1	956.9	899.8	842.8
122.5°	1279.2	1023.8	1009.4	951.9	894.4
125°	1314.6	1091.3	1078.2	1025.8	973.4
127.5°	1350.1	1156.6	1143.4	1090.4	1037.5
130°	1376.1	1200.1	1185.8	1128.9	1071.9
132.5°	1397.0	1235.6	1221.4	1164.4	1107.4
135°	1419.9	1276.8	1263.8	1211.9	1160.1
137.5°	1454.3	1329.5	1316.6	1265.2	1213.8
140°	1475.3	1365.0	1353.1	1305.9	1258.5
142.5°	1492.8	1391.3	1380.4	1336.6	1292.8
145°	1515.8	1431.4	1421.9	1383.7	1345.5
147.5°	1549.3	1481.8	1472.5	1435.4	1398.2
150°	1567.0	1508.1	1499.7	1466.1	1432.5
152.5°	1578.3	1525.3	1519.0	1493.5	1468.0
155°	1603.6	1563.1	1558.4	1539.5	1520.7
157.5°	1628.8	1600.9	1596.3	1578.0	1559.6
160°	1640.2	1618.1	1614.5	1600.3	1586.0
162.5°	1652.4	1636.3	1633.7	1622.9	1612.3
165°	1669.9	1662.7	1660.3	1650.6	1640.9
167.5°	1683.7	1677.6	1676.4	1671.9	1667.3
170°	1695.2	1694.8	1693.7	1689.1	1684.5
172.5°	1695.9	1695.9	1695.6	1694.6	1693.6
175°	1702.8	1706.3	1706.3	1706.3	1706.3
177.5°	1703.6	1706.3	1706.3	1706.3	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935156
 CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-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	11.51	12.29	12.54	13.33	14.73	14.36	15.14	15.39	16.18	17.58
	3H	11.98	12.68	13.02	13.73	15.15	15.70	16.41	16.75	17.45	18.87
	4H	12.17	12.83	13.22	13.88	15.31	16.15	16.81	17.21	17.87	19.29
	6H	12.28	12.89	13.35	13.95	15.39	16.44	17.05	17.50	18.10	19.54
	8H	12.28	12.86	13.35	13.93	15.37	16.51	17.09	17.58	18.16	19.60
	12H	12.25	12.80	13.32	13.87	15.32	16.55	17.10	17.63	18.17	19.63
4H	2H	12.53	13.20	13.60	14.25	15.68	14.76	15.42	15.82	16.47	17.90
	3H	13.55	14.11	14.63	15.19	16.63	16.26	16.82	17.33	17.89	19.33
	4H	13.83	14.33	14.90	15.41	16.87	16.79	17.30	17.87	18.37	19.83
	6H	13.95	14.38	15.03	15.48	16.93	17.16	17.59	18.24	18.69	20.14
	8H	13.95	14.36	15.04	15.44	16.91	17.27	17.67	18.35	18.76	20.23
	12H	13.91	14.28	15.02	15.38	16.86	17.32	17.69	18.42	18.79	20.26
8H	4H	14.28	14.68	15.36	15.77	17.24	16.91	17.31	17.99	18.40	19.87
	6H	14.54	14.87	15.64	16.00	17.47	17.35	17.68	18.46	18.81	20.28
	8H	14.58	14.87	15.69	15.98	17.47	17.50	17.80	18.62	18.91	20.39
	12H	14.56	14.82	15.68	15.92	17.45	17.60	17.86	18.72	18.97	20.49
12H	4H	14.28	14.65	15.38	15.75	17.22	16.87	17.24	17.97	18.34	19.81
	6H	14.60	14.89	15.71	16.00	17.49	17.34	17.64	18.46	18.75	20.24
	8H	14.66	14.92	15.78	16.03	17.55	17.50	17.76	18.62	18.87	20.39