

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: P935205

Luminaire Tested: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

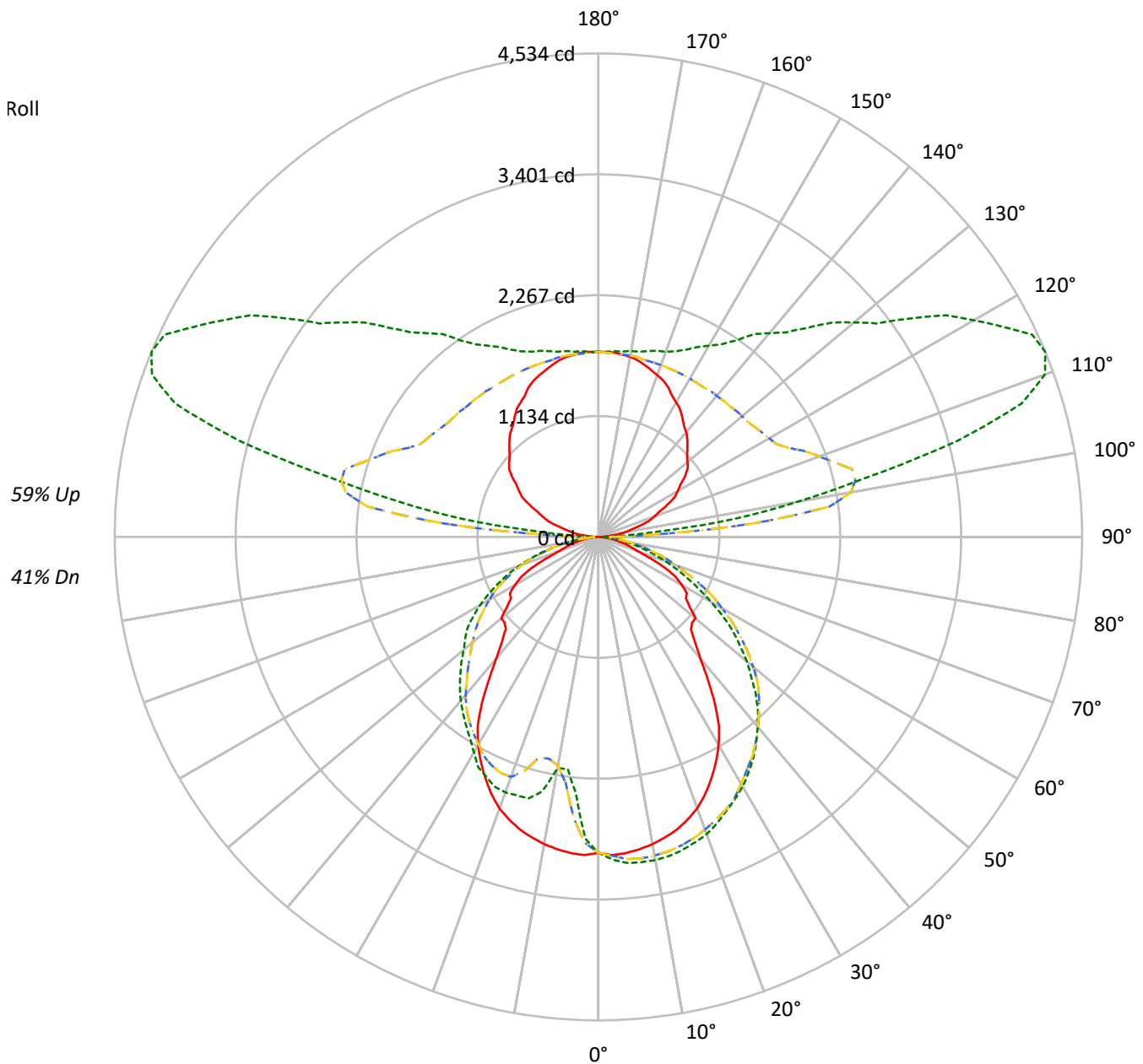
Test Method: LM-79-2019  
Report Number: P935205  
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18943.3 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: 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: P935205  
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### 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				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°	9161	9161	9161	9161
5°	9233	9248	9233	7271
10°	9175	9109	9175	6513
15°	9078	8912	9078	7442
20°	8892	8678	8892	7457
25°	8507	8337	8507	7299
30°	8008	8054	8008	6952
35°	7142	7696	7142	6571
40°	5955	7274	5955	6283
45°	5324	6781	5324	5951
50°	5660	6192	5660	5619
55°	5331	5558	5331	5427
60°	5502	4721	5502	4970
65°	4997	3902	4997	4362
70°	3468	3110	3468	3657
75°	3053	2299	3053	2753
80°	2478	1520	2478	1655
85°	1452	805	1452	684

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8155 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.4	1.4
10°-20°	759.1	4.0
20°-30°	1173.4	6.2
30°-40°	1400.8	7.4
40°-50°	1409.0	7.4
50°-60°	1226.0	6.5
60°-70°	869.2	4.6
70°-80°	459.9	2.4
80°-90°	121.2	0.6
90°-100°	846.5	4.5
100°-110°	2225.5	11.7
110°-120°	2307.6	12.2
120°-130°	1851.0	9.8
130°-140°	1452.3	7.7
140°-150°	1114.7	5.9
150°-160°	802.8	4.2
160°-170°	491.2	2.6
170°-180°	165.9	0.9
0°-30°	2199.9	11.6
0°-40°	3600.6	19.0
0°-60°	6235.6	32.9
0°-90°	7685.9	40.6
90°-120°	5379.5	28.4
90°-150°	9797.5	51.7
90°-180°	11257.0	59.4
0°-180°	18943.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2962	2962	2962	2962	2962	
5°	2976	3068	2976	2412	2976	282
15°	2841	3040	2841	2539	2841	799
25°	2502	2836	2502	2483	2502	1149
35°	1903	2530	1903	2160	1903	1177
45°	1227	2085	1227	1830	1227	983
55°	1000	1538	1000	1502	1000	919
65°	695	928	695	1037	695	664
75°	263	440	263	527	263	277
85°	45	112	45	95	45	61
90°	12	44	12	44	12	12
95°	112	512	112	512	112	124
105°	401	3485	401	3485	401	425
115°	712	4487	712	4487	712	703
125°	991	3573	991	3573	991	880
135°	1181	2773	1181	2773	1181	913
145°	1369	2249	1369	2249	1369	858
155°	1548	1937	1548	1937	1548	711
165°	1670	1804	1670	1804	1670	471
175°	1737	1748	1737	1748	1737	165
180°	1737	1737	1737	1737	1737	



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 CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2987.0	2987.0	3003.8	3009.4	3009.4	3001.0	2992.6	3001.0	3026.3	3034.7	3031.9
5°	2975.8	2998.2	3029.1	3034.7	3040.3	3037.5	3031.9	3037.5	3065.5	3071.1	3073.9
7.5°	2953.4	2995.4	3034.7	3043.1	3051.5	3043.1	3040.3	3045.9	3073.9	3079.5	3079.5
10°	2925.4	2984.2	3029.1	3034.7	3043.1	3034.7	3034.7	3045.9	3073.9	3079.5	3082.3
12.5°	2886.2	2967.4	3009.4	3015.0	3026.3	3023.5	3020.6	3031.9	3059.9	3065.5	3065.5
15°	2841.3	2936.6	2975.8	2981.4	3001.0	2995.4	2995.4	3006.6	3037.5	3045.9	3043.1
17.5°	2779.7	2897.4	2942.2	2950.6	2964.6	2961.8	2964.6	2975.8	3003.8	3009.4	3012.2
20°	2709.6	2844.1	2897.4	2905.8	2919.8	2919.8	2919.8	2933.8	2961.8	2973.0	2973.0
22.5°	2614.4	2788.1	2844.1	2849.7	2866.5	2866.5	2872.1	2891.8	2917.0	2919.8	2919.8
25°	2502.3	2726.4	2774.1	2790.9	2807.7	2816.1	2824.5	2835.7	2844.1	2841.3	2844.1
27.5°	2384.5	2648.0	2709.6	2720.8	2743.3	2751.7	2762.9	2765.7	2768.5	2776.9	2771.3
30°	2252.8	2538.7	2631.2	2642.4	2678.8	2684.4	2673.2	2678.8	2692.8	2698.4	2704.0
32.5°	2104.3	2376.1	2549.9	2575.1	2608.8	2591.9	2589.1	2597.5	2620.0	2620.0	2625.6
35°	1902.6	2250.0	2474.3	2496.7	2521.9	2502.3	2513.5	2516.3	2530.3	2538.7	2535.9
37.5°	1681.2	2140.7	2395.7	2412.5	2432.1	2406.9	2423.7	2432.1	2443.3	2437.7	2437.7
40°	1485.1	1969.8	2303.2	2314.5	2331.3	2311.6	2328.5	2334.1	2339.7	2334.1	2331.3
42.5°	1339.4	1782.1	2205.2	2219.2	2208.0	2222.0	2227.6	2238.8	2230.4	2219.2	2219.2
45°	1227.3	1731.6	2098.7	2115.5	2098.7	2121.1	2129.5	2129.5	2104.3	2098.7	2095.9
47.5°	1190.9	1630.8	1992.2	1992.2	1983.8	2011.8	2025.8	2006.2	1981.0	1972.6	1972.6
50°	1188.0	1518.7	1846.5	1835.3	1874.5	1908.2	1894.2	1874.5	1854.9	1824.1	1824.1
52.5°	1078.8	1381.4	1658.8	1700.8	1762.5	1782.1	1759.7	1740.0	1706.4	1692.4	1681.2
55°	1000.3	1238.5	1487.9	1571.9	1636.4	1661.6	1619.6	1599.9	1549.5	1541.1	1535.5
57.5°	983.5	1031.1	1331.0	1437.4	1515.9	1513.1	1487.9	1451.4	1409.4	1401.0	1398.2
60°	902.2	745.3	1162.8	1288.9	1370.2	1361.8	1339.4	1305.7	1266.5	1260.9	1255.3
62.5°	818.2	540.8	972.3	1115.2	1230.1	1227.3	1207.7	1157.2	1129.2	1115.2	1104.0
65°	694.9	453.9	692.1	927.5	1092.8	1098.4	1056.4	1019.9	989.1	972.3	969.5
67.5°	529.6	369.9	467.9	773.4	961.1	955.5	902.2	885.4	846.2	837.8	821.0
70°	392.3	246.6	325.0	627.6	832.2	818.2	776.2	756.5	720.1	700.5	689.3
72.5°	325.0	198.9	238.2	487.5	700.5	683.7	647.3	624.8	594.0	577.2	566.0
75°	263.4	210.2	182.1	361.5	568.8	557.6	524.0	501.6	476.3	453.9	456.7
77.5°	193.3	196.1	145.7	266.2	451.1	434.3	414.7	386.7	375.5	353.1	353.1
80°	145.7	154.1	109.3	182.1	325.0	325.0	308.2	288.6	269.0	257.8	257.8
82.5°	98.1	98.1	81.3	114.9	221.4	213.0	201.7	196.1	184.9	179.3	179.3
85°	44.8	56.0	50.4	70.0	120.5	126.1	126.1	120.5	117.7	112.1	114.9
87.5°	14.0	25.2	30.8	39.2	61.6	64.4	67.2	67.2	67.2	70.0	70.0
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9	221.5	212.7
95°	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1	751.7	725.0
97.5°	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2	1735.4	1684.7
100°	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2	2437.0	2376.6
102.5°	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5	3036.1	2984.2
105°	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4	3735.3	3707.5
107.5°	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1	4099.0	4105.7
110°	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4	4192.2	4221.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5	4132.8	4177.3
115°	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7	3931.1	3992.8
117.5°	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9	3652.6	3721.1
120°	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1	3465.0	3531.5
122.5°	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1	3277.3	3343.0
125°	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9	3029.1	3089.5
127.5°	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8	2829.7	2880.7
130°	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9	2703.9	2751.1
132.5°	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6	2596.7	2638.9
135°	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9	2445.1	2481.5
137.5°	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6	2333.3	2363.1
140°	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1	2243.6	2271.4
142.5°	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1	2180.6	2204.5
145°	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2	2086.2	2104.3
147.5°	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5	2007.0	2022.0
150°	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1	1961.5	1973.6
152.5°	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0	1925.3	1934.5
155°	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3	1882.2	1888.3
157.5°	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4	1844.9	1849.2
160°	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0	1826.3	1828.7
162.5°	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3	1808.8	1811.1
165°	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5	1782.0	1784.4
167.5°	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6	1770.4	1771.4
170°	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6	1770.4	1770.4
172.5°	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4	1761.1	1760.1
175°	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8	1748.2	1748.2
177.5°	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0	1745.8	1744.8
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935205  
 CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3037.5	3029.1	3037.5	3031.9	3034.7	3026.3	3001.0	2992.6	3001.0	3009.4	3009.4
5°	3073.9	3068.3	3073.9	3073.9	3071.1	3065.5	3037.5	3031.9	3037.5	3040.3	3034.7
7.5°	3085.1	3076.7	3085.1	3079.5	3079.5	3073.9	3045.9	3040.3	3043.1	3051.5	3043.1
10°	3085.1	3076.7	3085.1	3082.3	3079.5	3073.9	3045.9	3034.7	3034.7	3043.1	3034.7
12.5°	3071.1	3065.5	3071.1	3065.5	3065.5	3059.9	3031.9	3020.6	3023.5	3026.3	3015.0
15°	3048.7	3040.3	3048.7	3043.1	3045.9	3037.5	3006.6	2995.4	2995.4	3001.0	2981.4
17.5°	3015.0	3003.8	3015.0	3012.2	3009.4	3003.8	2975.8	2964.6	2961.8	2964.6	2950.6
20°	2975.8	2967.4	2975.8	2973.0	2973.0	2961.8	2933.8	2919.8	2919.8	2919.8	2905.8
22.5°	2914.2	2905.8	2914.2	2919.8	2919.8	2917.0	2891.8	2872.1	2866.5	2866.5	2849.7
25°	2844.1	2835.7	2844.1	2844.1	2841.3	2844.1	2835.7	2824.5	2816.1	2807.7	2790.9
27.5°	2776.9	2771.3	2776.9	2771.3	2776.9	2768.5	2765.7	2762.9	2751.7	2743.3	2720.8
30°	2709.6	2704.0	2709.6	2704.0	2698.4	2692.8	2678.8	2673.2	2684.4	2678.8	2642.4
32.5°	2625.6	2620.0	2625.6	2625.6	2620.0	2620.0	2597.5	2589.1	2591.9	2608.8	2575.1
35°	2538.7	2530.3	2538.7	2535.9	2538.7	2530.3	2516.3	2513.5	2502.3	2521.9	2496.7
37.5°	2437.7	2429.3	2437.7	2437.7	2437.7	2443.3	2432.1	2423.7	2406.9	2432.1	2412.5
40°	2334.1	2322.9	2334.1	2331.3	2334.1	2339.7	2334.1	2328.5	2311.6	2331.3	2314.5
42.5°	2216.4	2213.6	2216.4	2219.2	2219.2	2230.4	2238.8	2227.6	2222.0	2208.0	2219.2
45°	2090.3	2084.7	2090.3	2095.9	2098.7	2104.3	2129.5	2129.5	2121.1	2098.7	2115.5
47.5°	1955.8	1941.8	1955.8	1972.6	1972.6	1981.0	2006.2	2025.8	2011.8	1983.8	1992.2
50°	1812.9	1815.7	1812.9	1824.1	1824.1	1854.9	1874.5	1894.2	1908.2	1874.5	1835.3
52.5°	1672.8	1670.0	1672.8	1681.2	1692.4	1706.4	1740.0	1759.7	1782.1	1762.5	1700.8
55°	1532.7	1538.3	1532.7	1535.5	1541.1	1549.5	1599.9	1619.6	1661.6	1636.4	1571.9
57.5°	1392.6	1384.2	1392.6	1398.2	1401.0	1409.4	1451.4	1487.9	1513.1	1515.9	1437.4
60°	1230.1	1218.9	1230.1	1255.3	1260.9	1266.5	1305.7	1339.4	1361.8	1370.2	1288.9
62.5°	1087.2	1067.6	1087.2	1104.0	1115.2	1129.2	1157.2	1207.7	1227.3	1230.1	1115.2
65°	935.9	927.5	935.9	969.5	972.3	989.1	1019.9	1056.4	1098.4	1092.8	927.5
67.5°	798.6	798.6	798.6	821.0	837.8	846.2	885.4	902.2	955.5	961.1	773.4
70°	672.5	669.7	672.5	689.3	700.5	720.1	756.5	776.2	818.2	832.2	627.6
72.5°	552.0	549.2	552.0	566.0	577.2	594.0	624.8	647.3	683.7	700.5	487.5
75°	445.5	439.9	445.5	456.7	453.9	476.3	501.6	524.0	557.6	568.8	361.5
77.5°	341.8	341.8	341.8	353.1	353.1	375.5	386.7	414.7	434.3	451.1	266.2
80°	255.0	252.2	255.0	257.8	257.8	269.0	288.6	308.2	325.0	325.0	182.1
82.5°	179.3	173.7	179.3	179.3	179.3	184.9	196.1	201.7	213.0	221.4	114.9
85°	112.1	112.1	112.1	114.9	112.1	117.7	120.5	126.1	126.1	120.5	70.0
87.5°	72.9	70.0	72.9	70.0	70.0	67.2	67.2	67.2	64.4	61.6	39.2
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0	316.3	224.9
95°	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4	778.1	438.2
97.5°	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8	1048.1	481.4
100°	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0	1146.4	517.4
102.5°	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1	1191.5	553.6
105°	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5	1224.9	607.2
107.5°	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3	1231.1	686.5
110°	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5	1221.8	730.8





TEST NUMBER: P935205

CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0	1222.2	784.4
115°	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0	1233.4	864.8
117.5°	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4	1256.4	942.9
120°	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4	1275.1	988.4
122.5°	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4	1301.9	1042.0
125°	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0	1338.0	1110.7
127.5°	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7	1374.1	1177.1
130°	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4	1400.5	1221.4
132.5°	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9	1421.8	1257.5
135°	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5	1445.2	1299.5
137.5°	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5	1480.1	1353.1
140°	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2	1501.5	1389.2
142.5°	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1	1519.3	1416.0
145°	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2	1542.7	1456.9
147.5°	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6	1576.9	1508.1
150°	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6	1594.8	1534.9
152.5°	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4	1606.4	1552.4
155°	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0	1632.1	1590.9
157.5°	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6	1657.8	1629.4
160°	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4	1669.3	1646.8
162.5°	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5	1681.8	1665.4
165°	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5	1699.6	1692.2
167.5°	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9	1713.6	1707.4
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8	1725.3	1724.9
172.5°	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4	1733.0	1736.6
177.5°	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2	1733.9	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935205

CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3003.8	2987.0	2987.0	2959.0	2947.8	2939.4	2925.4	2883.4	2872.1	2860.9	2877.7
5°	3029.1	2998.2	2975.8	2925.4	2883.4	2866.5	2813.3	2712.4	2645.2	2594.7	2566.7
7.5°	3034.7	2995.4	2953.4	2874.9	2774.1	2729.2	2566.7	2381.7	2331.3	2286.4	2258.4
10°	3029.1	2984.2	2925.4	2807.7	2569.5	2491.1	2328.5	2208.0	2177.2	2168.7	2177.2
12.5°	3009.4	2967.4	2886.2	2690.0	2356.5	2303.2	2208.0	2137.9	2132.3	2146.3	2222.0
15°	2975.8	2936.6	2841.3	2533.1	2238.8	2199.6	2132.3	2107.1	2137.9	2236.0	2463.0
17.5°	2942.2	2897.4	2779.7	2378.9	2149.1	2121.1	2073.5	2123.9	2297.6	2429.3	2505.1
20°	2897.4	2844.1	2709.6	2266.8	2084.7	2059.5	2037.1	2264.0	2395.7	2443.3	2485.5
22.5°	2844.1	2788.1	2614.4	2188.4	2017.4	1997.8	2011.8	2342.5	2395.7	2429.3	2465.8
25°	2774.1	2726.4	2502.3	2126.7	1964.2	1941.8	1995.0	2334.1	2364.9	2373.3	2446.1
27.5°	2709.6	2648.0	2384.5	2070.7	1899.8	1891.4	2009.0	2297.6	2320.1	2328.5	2406.9
30°	2631.2	2538.7	2252.8	2011.8	1832.5	1829.7	2011.8	2252.8	2247.2	2269.6	2348.1
32.5°	2549.9	2376.1	2104.3	1939.0	1768.1	1765.3	1992.2	2185.6	2180.0	2210.8	2269.6
35°	2474.3	2250.0	1902.6	1854.9	1686.8	1689.6	1944.6	2107.1	2109.9	2137.9	2174.4
37.5°	2395.7	2140.7	1681.2	1762.5	1608.3	1608.3	1880.1	2034.3	2028.6	2037.1	2087.5
40°	2303.2	1969.8	1485.1	1642.0	1535.5	1527.1	1801.7	1955.8	1936.2	1933.4	2003.4
42.5°	2205.2	1782.1	1339.4	1482.3	1451.4	1440.2	1706.4	1860.5	1824.1	1832.5	1922.2
45°	2098.7	1731.6	1227.3	1252.5	1364.6	1356.2	1602.7	1751.2	1726.0	1748.4	1840.9
47.5°	1992.2	1630.8	1190.9	1039.5	1272.1	1269.3	1487.9	1644.8	1630.8	1653.2	1751.2
50°	1846.5	1518.7	1188.0	891.0	1168.4	1179.6	1350.6	1541.1	1541.1	1560.7	1664.4
52.5°	1658.8	1381.4	1078.8	807.0	1047.9	1081.6	1230.1	1451.4	1457.0	1476.7	1569.1
55°	1487.9	1238.5	1000.3	742.5	905.0	977.9	1112.4	1359.0	1370.2	1389.8	1473.9
57.5°	1331.0	1031.1	983.5	666.9	773.4	843.4	1008.7	1269.3	1274.9	1291.7	1373.0
60°	1162.8	745.3	902.2	585.6	658.5	711.7	913.5	1162.8	1182.4	1193.7	1263.7
62.5°	972.3	540.8	818.2	529.6	602.4	613.6	835.0	1062.0	1087.2	1095.6	1137.6
65°	692.1	453.9	694.9	481.9	543.6	546.4	750.9	958.3	980.7	994.7	1025.5
67.5°	467.9	369.9	529.6	437.1	498.8	501.6	669.7	837.8	868.6	879.8	899.4
70°	325.0	246.6	392.3	389.5	448.3	453.9	582.8	728.5	756.5	764.9	776.2
72.5°	238.2	198.9	325.0	350.2	395.1	400.7	493.2	605.2	633.3	641.7	647.3
75°	182.1	210.2	263.4	305.4	336.2	339.0	403.5	493.2	512.8	518.4	521.2
77.5°	145.7	196.1	193.3	246.6	274.6	269.0	316.6	381.1	397.9	397.9	397.9
80°	109.3	154.1	145.7	176.5	201.7	196.1	227.0	271.8	277.4	283.0	280.2
82.5°	81.3	98.1	98.1	112.1	134.5	128.9	151.3	176.5	176.5	176.5	182.1
85°	50.4	56.0	44.8	58.8	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	39.2	42.0	39.2	39.2	39.2
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9
95°	402.0	256.9	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1
97.5°	449.3	321.4	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2
100°	488.4	372.4	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2
102.5°	526.5	418.2	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5
105°	584.3	492.6	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4
107.5°	665.1	579.6	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1
110°	711.4	634.3	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4



TEST NUMBER: P935205

CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.0	692.5	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5
115°	847.8	780.0	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7
117.5°	927.5	865.8	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9
120°	973.9	915.8	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1
122.5°	1027.3	968.8	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1
125°	1097.4	1044.0	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9
127.5°	1163.7	1109.8	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8
130°	1206.9	1148.9	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9
132.5°	1243.1	1185.1	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6
135°	1286.3	1233.4	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9
137.5°	1340.0	1287.7	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6
140°	1377.2	1329.1	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1
142.5°	1404.9	1360.4	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1
145°	1447.1	1408.3	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2
147.5°	1498.7	1460.9	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5
150°	1526.3	1492.2	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1
152.5°	1546.0	1520.0	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0
155°	1586.1	1566.9	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3
157.5°	1624.7	1606.0	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4
160°	1643.2	1628.7	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0
162.5°	1662.7	1651.8	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3
165°	1689.8	1679.9	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5
167.5°	1706.2	1701.6	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6
170°	1723.8	1719.1	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6
172.5°	1725.8	1724.7	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4
175°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8
177.5°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935205  
 CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2858.1	2849.7	2860.9	2830.1	2860.9	2849.7	2858.1	2877.7	2860.9	2872.1	2883.4
5°	2507.9	2493.9	2448.9	2412.5	2448.9	2493.9	2507.9	2566.7	2594.7	2645.2	2712.4
7.5°	2241.6	2230.4	2219.2	2196.8	2219.2	2230.4	2241.6	2258.4	2286.4	2331.3	2381.7
10°	2182.8	2185.6	2202.4	2199.6	2202.4	2185.6	2182.8	2177.2	2168.7	2177.2	2208.0
12.5°	2334.1	2359.3	2451.8	2446.1	2451.8	2359.3	2334.1	2222.0	2146.3	2132.3	2137.9
15°	2507.9	2516.3	2535.9	2538.7	2535.9	2516.3	2507.9	2463.0	2236.0	2137.9	2107.1
17.5°	2524.7	2527.5	2541.5	2541.5	2541.5	2527.5	2524.7	2505.1	2429.3	2297.6	2123.9
20°	2510.7	2516.3	2544.3	2549.9	2544.3	2516.3	2510.7	2485.5	2443.3	2395.7	2264.0
22.5°	2505.1	2516.3	2538.7	2535.9	2538.7	2516.3	2505.1	2465.8	2429.3	2395.7	2342.5
25°	2477.1	2477.1	2479.9	2482.7	2479.9	2477.1	2477.1	2446.1	2373.3	2364.9	2334.1
27.5°	2418.1	2423.7	2440.5	2437.7	2440.5	2423.7	2418.1	2406.9	2328.5	2320.1	2297.6
30°	2364.9	2359.3	2345.3	2334.1	2345.3	2359.3	2364.9	2348.1	2269.6	2247.2	2252.8
32.5°	2275.2	2261.2	2247.2	2238.8	2247.2	2261.2	2275.2	2269.6	2210.8	2180.0	2185.6
35°	2168.7	2171.6	2168.7	2160.3	2168.7	2171.6	2168.7	2174.4	2137.9	2109.9	2107.1
37.5°	2093.1	2098.7	2095.9	2084.7	2095.9	2098.7	2093.1	2087.5	2037.1	2028.6	2034.3
40°	2014.6	2017.4	2014.6	2006.2	2014.6	2017.4	2014.6	2003.4	1933.4	1936.2	1955.8
42.5°	1939.0	1936.2	1927.8	1922.2	1927.8	1936.2	1939.0	1922.2	1832.5	1824.1	1860.5
45°	1852.1	1854.9	1838.1	1829.7	1838.1	1854.9	1852.1	1840.9	1748.4	1726.0	1751.2
47.5°	1765.3	1765.3	1751.2	1742.8	1751.2	1765.3	1765.3	1751.2	1653.2	1630.8	1644.8
50°	1672.8	1670.0	1650.4	1647.6	1650.4	1670.0	1672.8	1664.4	1560.7	1541.1	1541.1
52.5°	1566.3	1566.3	1569.1	1574.7	1569.1	1566.3	1566.3	1569.1	1476.7	1457.0	1451.4
55°	1473.9	1476.7	1496.3	1501.9	1496.3	1476.7	1473.9	1473.9	1389.8	1370.2	1359.0
57.5°	1378.6	1378.6	1392.6	1392.6	1392.6	1378.6	1378.6	1373.0	1291.7	1274.9	1269.3
60°	1269.3	1274.9	1286.1	1283.3	1286.1	1274.9	1269.3	1263.7	1193.7	1182.4	1162.8
62.5°	1154.4	1160.0	1162.8	1157.2	1162.8	1160.0	1154.4	1137.6	1095.6	1087.2	1062.0
65°	1033.9	1039.5	1042.3	1036.7	1042.3	1039.5	1033.9	1025.5	994.7	980.7	958.3
67.5°	910.6	907.8	905.0	916.3	905.0	907.8	910.6	899.4	879.8	868.6	837.8
70°	784.6	784.6	781.8	787.4	781.8	784.6	784.6	776.2	764.9	756.5	728.5
72.5°	650.1	647.3	658.5	650.1	658.5	647.3	650.1	647.3	641.7	633.3	605.2
75°	518.4	524.0	518.4	526.8	518.4	524.0	518.4	521.2	518.4	512.8	493.2
77.5°	395.1	400.7	395.1	395.1	395.1	400.7	395.1	397.9	397.9	397.9	381.1
80°	280.2	277.4	277.4	274.6	277.4	277.4	280.2	280.2	283.0	277.4	271.8
82.5°	179.3	176.5	176.5	182.1	176.5	176.5	179.3	182.1	176.5	176.5	176.5
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°	36.4	33.6	33.6	33.6	33.6	33.6	36.4	39.2	39.2	39.2	42.0
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.5	212.7	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0
95°	751.7	725.0	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4
97.5°	1735.4	1684.7	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8
100°	2437.0	2376.6	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0
102.5°	3036.1	2984.2	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1
105°	3735.3	3707.5	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5
107.5°	4099.0	4105.7	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3
110°	4192.2	4221.2	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5



TEST NUMBER: P935205

CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4132.8	4177.3	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0
115°	3931.1	3992.8	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0
117.5°	3652.6	3721.1	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4
120°	3465.0	3531.5	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4
122.5°	3277.3	3343.0	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4
125°	3029.1	3089.5	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0
127.5°	2829.7	2880.7	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7
130°	2703.9	2751.1	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4
132.5°	2596.7	2638.9	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9
135°	2445.1	2481.5	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5
137.5°	2333.3	2363.1	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5
140°	2243.6	2271.4	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2
142.5°	2180.6	2204.5	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1
145°	2086.2	2104.3	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2
147.5°	2007.0	2022.0	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6
150°	1961.5	1973.6	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6
152.5°	1925.3	1934.5	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4
155°	1882.2	1888.3	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0
157.5°	1844.9	1849.2	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6
160°	1826.3	1828.7	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4
162.5°	1808.8	1811.1	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5
165°	1782.0	1784.4	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5
167.5°	1770.4	1771.4	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8
172.5°	1761.1	1760.1	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4
177.5°	1745.8	1744.8	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935205  
 CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2925.4	2939.4	2947.8	2959.0	2987.0
5°	2813.3	2866.5	2883.4	2925.4	2975.8
7.5°	2566.7	2729.2	2774.1	2874.9	2953.4
10°	2328.5	2491.1	2569.5	2807.7	2925.4
12.5°	2208.0	2303.2	2356.5	2690.0	2886.2
15°	2132.3	2199.6	2238.8	2533.1	2841.3
17.5°	2073.5	2121.1	2149.1	2378.9	2779.7
20°	2037.1	2059.5	2084.7	2266.8	2709.6
22.5°	2011.8	1997.8	2017.4	2188.4	2614.4
25°	1995.0	1941.8	1964.2	2126.7	2502.3
27.5°	2009.0	1891.4	1899.8	2070.7	2384.5
30°	2011.8	1829.7	1832.5	2011.8	2252.8
32.5°	1992.2	1765.3	1768.1	1939.0	2104.3
35°	1944.6	1689.6	1686.8	1854.9	1902.6
37.5°	1880.1	1608.3	1608.3	1762.5	1681.2
40°	1801.7	1527.1	1535.5	1642.0	1485.1
42.5°	1706.4	1440.2	1451.4	1482.3	1339.4
45°	1602.7	1356.2	1364.6	1252.5	1227.3
47.5°	1487.9	1269.3	1272.1	1039.5	1190.9
50°	1350.6	1179.6	1168.4	891.0	1188.0
52.5°	1230.1	1081.6	1047.9	807.0	1078.8
55°	1112.4	977.9	905.0	742.5	1000.3
57.5°	1008.7	843.4	773.4	666.9	983.5
60°	913.5	711.7	658.5	585.6	902.2
62.5°	835.0	613.6	602.4	529.6	818.2
65°	750.9	546.4	543.6	481.9	694.9
67.5°	669.7	501.6	498.8	437.1	529.6
70°	582.8	453.9	448.3	389.5	392.3
72.5°	493.2	400.7	395.1	350.2	325.0
75°	403.5	339.0	336.2	305.4	263.4
77.5°	316.6	269.0	274.6	246.6	193.3
80°	227.0	196.1	201.7	176.5	145.7
82.5°	151.3	128.9	134.5	112.1	98.1
85°	84.1	72.9	75.7	58.8	44.8
87.5°	39.2	33.6	33.6	22.4	14.0
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.3	224.9	205.1	125.8	46.6
95°	778.1	438.2	402.0	256.9	111.9
97.5°	1048.1	481.4	449.3	321.4	193.4
100°	1146.4	517.4	488.4	372.4	256.4
102.5°	1191.5	553.6	526.5	418.2	310.0
105°	1224.9	607.2	584.3	492.6	401.0
107.5°	1231.1	686.5	665.1	579.6	494.2
110°	1221.8	730.8	711.4	634.3	557.1



TEST NUMBER: P935205

CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1222.2	784.4	766.0	692.5	618.9
115°	1233.4	864.8	847.8	780.0	712.1
117.5°	1256.4	942.9	927.5	865.8	804.2
120°	1275.1	988.4	973.9	915.8	857.8
122.5°	1301.9	1042.0	1027.3	968.8	910.3
125°	1338.0	1110.7	1097.4	1044.0	990.7
127.5°	1374.1	1177.1	1163.7	1109.8	1055.9
130°	1400.5	1221.4	1206.9	1148.9	1090.9
132.5°	1421.8	1257.5	1243.1	1185.1	1127.1
135°	1445.2	1299.5	1286.3	1233.4	1180.7
137.5°	1480.1	1353.1	1340.0	1287.7	1235.4
140°	1501.5	1389.2	1377.2	1329.1	1280.9
142.5°	1519.3	1416.0	1404.9	1360.4	1315.8
145°	1542.7	1456.9	1447.1	1408.3	1369.4
147.5°	1576.9	1508.1	1498.7	1460.9	1423.0
150°	1594.8	1534.9	1526.3	1492.2	1458.0
152.5°	1606.4	1552.4	1546.0	1520.0	1494.1
155°	1632.1	1590.9	1586.1	1566.9	1547.7
157.5°	1657.8	1629.4	1624.7	1606.0	1587.3
160°	1669.3	1646.8	1643.2	1628.7	1614.1
162.5°	1681.8	1665.4	1662.7	1651.8	1640.9
165°	1699.6	1692.2	1689.8	1679.9	1670.1
167.5°	1713.6	1707.4	1706.2	1701.6	1696.9
170°	1725.3	1724.9	1723.8	1719.1	1714.5
172.5°	1726.0	1726.0	1725.8	1724.7	1723.7
175°	1733.0	1736.6	1736.6	1736.6	1736.6
177.5°	1733.9	1736.6	1736.6	1736.6	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935205  
 CATALOG NUMBER: SQ4-FA-100U-075D-B50-1D-UNV-STD-W-12

**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	12.60	13.39	14.79	14.42	15.20	15.45	16.24	17.64
	3H	12.04	12.74	13.08	13.79	15.21	15.77	16.47	16.81	17.52	18.94
	4H	12.23	12.89	13.28	13.94	15.37	16.21	16.87	17.27	17.93	19.35
	6H	12.34	12.95	13.41	14.01	15.45	16.50	17.11	17.56	18.16	19.60
	8H	12.34	12.92	13.41	13.99	15.43	16.57	17.15	17.64	18.23	19.66
	12H	12.31	12.86	13.38	13.93	15.38	16.61	17.16	17.69	18.23	19.69
4H	2H	12.60	13.26	13.66	14.31	15.74	14.82	15.48	15.88	16.53	17.96
	3H	13.62	14.17	14.69	15.25	16.69	16.32	16.88	17.39	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	14.44	15.09	15.54	16.99	17.22	17.65	18.30	18.75	20.20
	8H	14.01	14.42	15.10	15.51	16.98	17.33	17.73	18.41	18.82	20.29
	12H	13.98	14.34	15.08	15.44	16.92	17.38	17.75	18.49	18.85	20.33
8H	4H	14.34	14.75	15.42	15.83	17.30	16.97	17.38	18.06	18.46	19.93
	6H	14.60	14.93	15.71	16.06	17.53	17.41	17.74	18.52	18.87	20.34
	8H	14.64	14.93	15.75	16.04	17.53	17.56	17.86	18.68	18.97	20.45
	12H	14.62	14.88	15.74	15.98	17.51	17.66	17.92	18.78	19.03	20.55
12H	4H	14.34	14.71	15.45	15.81	17.29	16.93	17.30	18.03	18.40	19.87
	6H	14.66	14.95	15.77	16.06	17.55	17.40	17.70	18.52	18.81	20.30
	8H	14.72	14.98	15.84	16.09	17.61	17.57	17.82	18.68	18.93	20.46