

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: P935109

Luminaire Tested: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935109
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

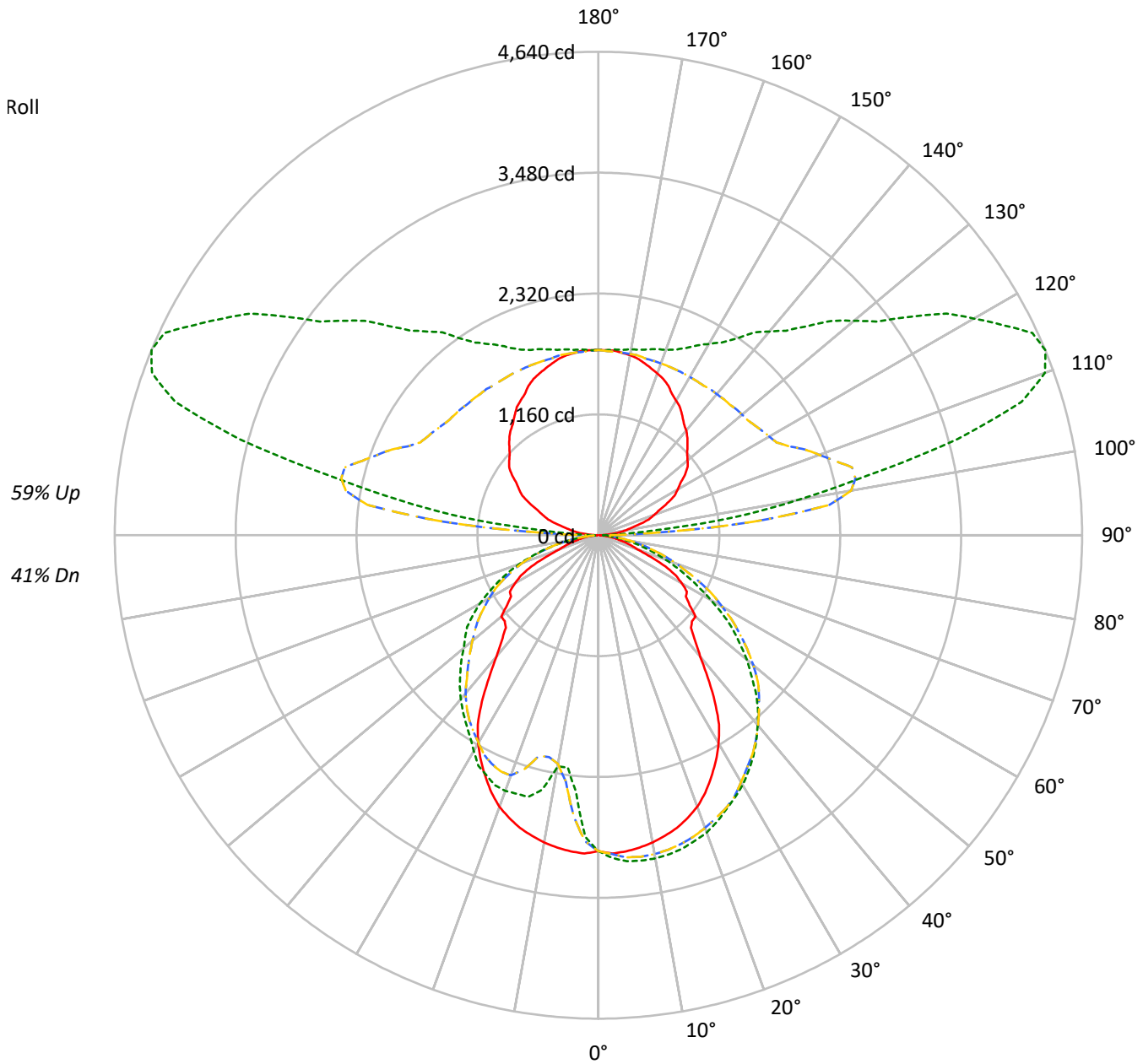
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19389.5 lumens
Efficiency: N/A
Efficacy: 131.4 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: P935109
CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

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°	9377	9377	9377	9377
5°	9450	9466	9450	7442
10°	9391	9324	9391	6666
15°	9292	9122	9292	7617
20°	9102	8883	9102	7633
25°	8707	8534	8707	7471
30°	8196	8244	8196	7116
35°	7311	7877	7311	6726
40°	6095	7446	6095	6431
45°	5450	6941	5450	6092
50°	5794	6338	5794	5751
55°	5457	5689	5457	5554
60°	5632	4832	5632	5087
65°	5114	3994	5114	4465
70°	3550	3183	3550	3743
75°	3125	2353	3125	2818
80°	2536	1555	2536	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8347 cd/sqm



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.4
10°-20°	777.0	4.0
20°-30°	1201.1	6.2
30°-40°	1433.8	7.4
40°-50°	1442.2	7.4
50°-60°	1254.9	6.5
60°-70°	889.7	4.6
70°-80°	470.7	2.4
80°-90°	124.0	0.6
90°-100°	866.4	4.5
100°-110°	2277.9	11.7
110°-120°	2361.9	12.2
120°-130°	1894.6	9.8
130°-140°	1486.5	7.7
140°-150°	1141.0	5.9
150°-160°	821.7	4.2
160°-170°	502.8	2.6
170°-180°	169.9	0.9
0°-30°	2251.7	11.6
0°-40°	3685.5	19.0
0°-60°	6382.5	32.9
0°-90°	7866.9	40.6
90°-120°	5506.2	28.4
90°-150°	10028.3	51.7
90°-180°	11523.0	59.4
0°-180°	19389.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2469	3046	289
15°	2908	3112	2908	2598	2908	818
25°	2561	2902	2561	2541	2561	1176
35°	1947	2590	1947	2211	1947	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1574	1024	1537	1024	941
65°	711	949	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	12	45	12	45	12	12
95°	114	524	114	524	114	127
105°	410	3567	410	3567	410	435
115°	729	4593	729	4593	729	720
125°	1014	3658	1014	3658	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1709	1847	1709	1847	1709	482
175°	1778	1789	1778	1789	1778	169
180°	1778	1778	1778	1778	1778	



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3057.4	3057.4	3074.6	3080.3	3080.3	3071.7	3063.1	3071.7	3097.5	3106.1	3103.3
5°	3045.9	3068.9	3100.4	3106.1	3111.9	3109.0	3103.3	3109.0	3137.7	3143.4	3146.3
7.5°	3023.0	3066.0	3106.1	3114.7	3123.3	3114.7	3111.9	3117.6	3146.3	3152.0	3152.0
10°	2994.3	3054.5	3100.4	3106.1	3114.7	3106.1	3106.1	3117.6	3146.3	3152.0	3154.9
12.5°	2954.1	3037.3	3080.3	3086.1	3097.5	3094.7	3091.8	3103.3	3132.0	3137.7	3137.7
15°	2908.2	3005.8	3045.9	3051.6	3071.7	3066.0	3066.0	3077.5	3109.0	3117.6	3114.7
17.5°	2845.2	2965.6	3011.5	3020.1	3034.4	3031.6	3034.4	3045.9	3074.6	3080.3	3083.2
20°	2773.5	2911.1	2965.6	2974.2	2988.6	2988.6	2988.6	3002.9	3031.6	3043.0	3043.0
22.5°	2675.9	2853.8	2911.1	2916.9	2934.1	2934.1	2939.8	2959.9	2985.7	2988.6	2988.6
25°	2561.2	2790.7	2839.4	2856.6	2873.8	2882.4	2891.0	2902.5	2911.1	2908.2	2911.1
27.5°	2440.7	2710.4	2773.5	2784.9	2807.9	2816.5	2827.9	2830.8	2833.7	2842.3	2836.5
30°	2305.9	2598.5	2693.1	2704.6	2741.9	2747.6	2736.2	2741.9	2756.2	2762.0	2767.7
32.5°	2153.9	2432.1	2610.0	2635.8	2670.2	2653.0	2650.1	2658.7	2681.7	2681.7	2687.4
35°	1947.4	2303.0	2532.5	2555.5	2581.3	2561.2	2572.7	2575.6	2589.9	2598.5	2595.6
37.5°	1720.8	2191.2	2452.1	2469.3	2489.4	2463.6	2480.8	2489.4	2500.9	2495.2	2495.2
40°	1520.0	2016.2	2357.5	2369.0	2386.2	2366.1	2383.3	2389.0	2394.8	2389.0	2386.2
42.5°	1370.9	1824.0	2257.1	2271.5	2260.0	2274.3	2280.1	2291.5	2282.9	2271.5	2271.5
45°	1256.2	1772.4	2148.1	2165.3	2148.1	2171.1	2179.7	2179.7	2153.9	2148.1	2145.3
47.5°	1218.9	1669.2	2039.1	2039.1	2030.5	2059.2	2073.6	2053.5	2027.7	2019.1	2019.1
50°	1216.0	1554.5	1890.0	1878.5	1918.7	1953.1	1938.8	1918.7	1898.6	1867.1	1867.1
52.5°	1104.2	1413.9	1697.9	1740.9	1804.0	1824.0	1801.1	1781.0	1746.6	1732.3	1720.8
55°	1023.9	1267.7	1522.9	1608.9	1674.9	1700.7	1657.7	1637.6	1586.0	1577.4	1571.7
57.5°	1006.7	1055.4	1362.3	1471.3	1551.6	1548.7	1522.9	1485.6	1442.6	1434.0	1431.1
60°	923.5	762.9	1190.2	1319.3	1402.5	1393.8	1370.9	1336.5	1296.3	1290.6	1284.9
62.5°	837.5	553.5	995.2	1141.5	1259.1	1256.2	1236.1	1184.5	1155.8	1141.5	1130.0
65°	711.3	464.6	708.4	949.3	1118.5	1124.3	1081.2	1044.0	1012.4	995.2	992.3
67.5°	542.1	378.6	479.0	791.6	983.7	978.0	923.5	906.3	866.1	857.5	840.3
70°	401.5	252.4	332.7	642.4	851.8	837.5	794.4	774.4	737.1	717.0	705.5
72.5°	332.7	203.6	243.8	499.0	717.0	699.8	662.5	639.6	608.0	590.8	579.3
75°	269.6	215.1	186.4	370.0	582.2	570.7	536.3	513.4	487.6	464.6	467.5
77.5°	197.9	200.8	149.1	272.5	461.7	444.5	424.5	395.8	384.3	361.4	361.4
80°	149.1	157.7	111.9	186.4	332.7	332.7	315.5	295.4	275.3	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.5	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3	226.7	217.7
95°	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4	769.4	742.0
97.5°	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5	1776.2	1724.3
100°	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3	2494.4	2432.5
102.5°	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5	3107.6	3054.5
105°	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4	3823.3	3794.8
107.5°	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7	4195.5	4202.4
110°	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5	4290.9	4320.6



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9	4230.1	4275.7
115°	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9	4023.7	4086.9
117.5°	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0	3738.6	3808.7
120°	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1	3546.6	3614.7
122.5°	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9	3354.5	3421.7
125°	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5	3100.4	3162.3
127.5°	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2	2896.4	2948.6
130°	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2	2767.6	2815.9
132.5°	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2	2657.9	2701.1
135°	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9	2502.7	2540.0
137.5°	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9	2388.3	2418.8
140°	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8	2296.4	2324.9
142.5°	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9	2232.0	2256.4
145°	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5	2135.3	2153.9
147.5°	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4	2054.3	2069.6
150°	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4	2007.7	2020.1
152.5°	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7	1970.7	1980.1
155°	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3	1926.5	1932.7
157.5°	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8	1888.4	1892.8
160°	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1	1869.3	1871.8
162.5°	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2	1851.4	1853.8
165°	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9	1824.0	1826.4
167.5°	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0	1812.1	1813.1
170°	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0	1812.1	1812.1
172.5°	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6	1802.5	1801.6
175°	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8	1789.3	1789.3
177.5°	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0	1787.0	1785.9
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3109.0	3100.4	3109.0	3103.3	3106.1	3097.5	3071.7	3063.1	3071.7	3080.3	3080.3
5°	3146.3	3140.6	3146.3	3146.3	3143.4	3137.7	3109.0	3103.3	3109.0	3111.9	3106.1
7.5°	3157.8	3149.2	3157.8	3152.0	3152.0	3146.3	3117.6	3111.9	3114.7	3123.3	3114.7
10°	3157.8	3149.2	3157.8	3154.9	3152.0	3146.3	3117.6	3106.1	3106.1	3114.7	3106.1
12.5°	3143.4	3137.7	3143.4	3137.7	3137.7	3132.0	3103.3	3091.8	3094.7	3097.5	3086.1
15°	3120.5	3111.9	3120.5	3114.7	3117.6	3109.0	3077.5	3066.0	3066.0	3071.7	3051.6
17.5°	3086.1	3074.6	3086.1	3083.2	3080.3	3074.6	3045.9	3034.4	3031.6	3034.4	3020.1
20°	3045.9	3037.3	3045.9	3043.0	3043.0	3031.6	3002.9	2988.6	2988.6	2988.6	2974.2
22.5°	2982.8	2974.2	2982.8	2988.6	2988.6	2985.7	2959.9	2939.8	2934.1	2934.1	2916.9
25°	2911.1	2902.5	2911.1	2911.1	2908.2	2911.1	2902.5	2891.0	2882.4	2873.8	2856.6
27.5°	2842.3	2836.5	2842.3	2836.5	2842.3	2833.7	2830.8	2827.9	2816.5	2807.9	2784.9
30°	2773.5	2767.7	2773.5	2767.7	2762.0	2756.2	2741.9	2736.2	2747.6	2741.9	2704.6
32.5°	2687.4	2681.7	2687.4	2687.4	2681.7	2681.7	2658.7	2650.1	2653.0	2670.2	2635.8
35°	2598.5	2589.9	2598.5	2595.6	2598.5	2589.9	2575.6	2572.7	2561.2	2581.3	2555.5
37.5°	2495.2	2486.6	2495.2	2495.2	2495.2	2500.9	2489.4	2480.8	2463.6	2489.4	2469.3
40°	2389.0	2377.6	2389.0	2386.2	2389.0	2394.8	2389.0	2383.3	2366.1	2386.2	2369.0
42.5°	2268.6	2265.7	2268.6	2271.5	2271.5	2282.9	2291.5	2280.1	2274.3	2260.0	2271.5
45°	2139.5	2133.8	2139.5	2145.3	2148.1	2153.9	2179.7	2179.7	2171.1	2148.1	2165.3
47.5°	2001.9	1987.5	2001.9	2019.1	2019.1	2027.7	2053.5	2073.6	2059.2	2030.5	2039.1
50°	1855.6	1858.5	1855.6	1867.1	1867.1	1898.6	1918.7	1938.8	1953.1	1918.7	1878.5
52.5°	1712.2	1709.3	1712.2	1720.8	1732.3	1746.6	1781.0	1801.1	1824.0	1804.0	1740.9
55°	1568.8	1574.5	1568.8	1571.7	1577.4	1586.0	1637.6	1657.7	1700.7	1674.9	1608.9
57.5°	1425.4	1416.8	1425.4	1431.1	1434.0	1442.6	1485.6	1522.9	1548.7	1551.6	1471.3
60°	1259.1	1247.6	1259.1	1284.9	1290.6	1296.3	1336.5	1370.9	1393.8	1402.5	1319.3
62.5°	1112.8	1092.7	1112.8	1130.0	1141.5	1155.8	1184.5	1236.1	1256.2	1259.1	1141.5
65°	957.9	949.3	957.9	992.3	995.2	1012.4	1044.0	1081.2	1124.3	1118.5	949.3
67.5°	817.4	817.4	817.4	840.3	857.5	866.1	906.3	923.5	978.0	983.7	791.6
70°	688.3	685.5	688.3	705.5	717.0	737.1	774.4	794.4	837.5	851.8	642.4
72.5°	565.0	562.1	565.0	579.3	590.8	608.0	639.6	662.5	699.8	717.0	499.0
75°	456.0	450.3	456.0	467.5	464.6	487.6	513.4	536.3	570.7	582.2	370.0
77.5°	349.9	349.9	349.9	361.4	361.4	384.3	395.8	424.5	444.5	461.7	272.5
80°	261.0	258.1	261.0	263.9	263.9	275.3	295.4	315.5	332.7	332.7	186.4
82.5°	183.6	177.8	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3	323.7	230.2
95°	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4	796.4	448.6
97.5°	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3	1072.8	492.7
100°	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8	1173.4	529.6
102.5°	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2	1219.6	566.6
105°	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8	1253.8	621.5
107.5°	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4	1260.1	702.7
110°	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7	1250.5	748.0



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5	1251.0	802.8
115°	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6	1262.5	885.2
117.5°	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8	1286.0	965.1
120°	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4	1305.1	1011.6
122.5°	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2	1332.6	1066.5
125°	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7	1369.5	1136.9
127.5°	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3	1406.5	1204.8
130°	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0	1433.5	1250.2
132.5°	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6	1455.3	1287.2
135°	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1	1479.2	1330.1
137.5°	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4	1515.0	1385.0
140°	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1	1536.9	1422.0
142.5°	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1	1555.1	1449.4
145°	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2	1579.0	1491.2
147.5°	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9	1614.0	1543.7
150°	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0	1632.4	1571.1
152.5°	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9	1644.2	1589.0
155°	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7	1670.5	1628.4
157.5°	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5	1696.8	1667.7
160°	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4	1708.7	1685.6
162.5°	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6	1721.4	1704.6
165°	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8	1739.6	1732.1
167.5°	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5	1754.0	1747.7
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4	1765.9	1765.5
172.5°	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1	1773.9	1777.5
177.5°	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0	1774.7	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3074.6	3057.4	3057.4	3028.7	3017.2	3008.6	2994.3	2951.3	2939.8	2928.3	2945.5
5°	3100.4	3068.9	3045.9	2994.3	2951.3	2934.1	2879.6	2776.3	2707.5	2655.9	2627.2
7.5°	3106.1	3066.0	3023.0	2942.7	2839.4	2793.5	2627.2	2437.8	2386.2	2340.3	2311.6
10°	3100.4	3054.5	2994.3	2873.8	2630.1	2549.7	2383.3	2260.0	2228.4	2219.8	2228.4
12.5°	3080.3	3037.3	2954.1	2753.4	2412.0	2357.5	2260.0	2188.3	2182.5	2196.9	2274.3
15°	3045.9	3005.8	2908.2	2592.8	2291.5	2251.4	2182.5	2156.7	2188.3	2288.7	2521.0
17.5°	3011.5	2965.6	2845.2	2434.9	2199.8	2171.1	2122.3	2173.9	2351.8	2486.6	2564.1
20°	2965.6	2911.1	2773.5	2320.2	2133.8	2108.0	2085.0	2317.3	2452.1	2500.9	2544.0
22.5°	2911.1	2853.8	2675.9	2239.9	2065.0	2044.9	2059.2	2397.6	2452.1	2486.6	2523.8
25°	2839.4	2790.7	2561.2	2176.8	2010.5	1987.5	2042.0	2389.0	2420.6	2429.2	2503.8
27.5°	2773.5	2710.4	2440.7	2119.5	1944.5	1935.9	2056.4	2351.8	2374.7	2383.3	2463.6
30°	2693.1	2598.5	2305.9	2059.2	1875.7	1872.8	2059.2	2305.9	2300.1	2323.1	2403.4
32.5°	2610.0	2432.1	2153.9	1984.7	1809.7	1806.8	2039.1	2237.0	2231.3	2262.9	2323.1
35°	2532.5	2303.0	1947.4	1898.6	1726.5	1729.4	1990.4	2156.7	2159.6	2188.3	2225.6
37.5°	2452.1	2191.2	1720.8	1804.0	1646.2	1646.2	1924.4	2082.2	2076.4	2085.0	2136.7
40°	2357.5	2016.2	1520.0	1680.6	1571.7	1563.1	1844.1	2001.9	1981.8	1978.9	2050.6
42.5°	2257.1	1824.0	1370.9	1517.2	1485.6	1474.2	1746.6	1904.4	1867.1	1875.7	1967.4
45°	2148.1	1772.4	1256.2	1282.0	1396.7	1388.1	1640.5	1792.5	1766.7	1789.6	1884.3
47.5°	2039.1	1669.2	1218.9	1064.0	1302.1	1299.2	1522.9	1683.5	1669.2	1692.1	1792.5
50°	1890.0	1554.5	1216.0	912.0	1196.0	1207.4	1382.4	1577.4	1577.4	1597.5	1703.6
52.5°	1697.9	1413.9	1104.2	826.0	1072.6	1107.0	1259.1	1485.6	1491.4	1511.4	1606.1
55°	1522.9	1267.7	1023.9	760.0	926.4	1000.9	1138.6	1391.0	1402.5	1422.5	1508.6
57.5°	1362.3	1055.4	1006.7	682.6	791.6	863.3	1032.5	1299.2	1304.9	1322.1	1405.3
60°	1190.2	762.9	923.5	599.4	674.0	728.5	935.0	1190.2	1210.3	1221.8	1293.5
62.5°	995.2	553.5	837.5	542.1	616.6	628.1	854.7	1087.0	1112.8	1121.4	1164.4
65°	708.4	464.6	711.3	493.3	556.4	559.3	768.6	980.9	1003.8	1018.1	1049.7
67.5°	479.0	378.6	542.1	447.4	510.5	513.4	685.5	857.5	889.1	900.6	920.6
70°	332.7	252.4	401.5	398.7	458.9	464.6	596.5	745.7	774.4	783.0	794.4
72.5°	243.8	203.6	332.7	358.5	404.4	410.1	504.8	619.5	648.2	656.8	662.5
75°	186.4	215.1	269.6	312.6	344.2	347.0	413.0	504.8	524.8	530.6	533.4
77.5°	149.1	200.8	197.9	252.4	281.1	275.3	324.1	390.0	407.3	407.3	407.3
80°	111.9	157.7	149.1	180.7	206.5	200.8	232.3	278.2	283.9	289.7	286.8
82.5°	83.2	100.4	100.4	114.7	137.7	131.9	154.9	180.7	180.7	180.7	186.4
85°	51.6	57.4	45.9	60.2	77.4	74.6	86.0	97.5	100.4	100.4	94.6
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	209.9	128.8	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3
95°	411.5	263.0	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4
97.5°	459.9	329.0	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5
100°	499.9	381.2	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3
102.5°	538.9	428.1	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5
105°	598.1	504.2	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4
107.5°	680.8	593.3	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7
110°	728.2	649.2	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.0	708.8	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9
115°	867.8	798.4	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9
117.5°	949.3	886.2	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0
120°	996.8	937.4	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1
122.5°	1051.5	991.7	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9
125°	1123.2	1068.6	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5
127.5°	1191.1	1135.9	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2
130°	1235.3	1176.0	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2
132.5°	1272.3	1213.0	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2
135°	1316.6	1262.5	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9
137.5°	1371.6	1318.0	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9
140°	1409.6	1360.4	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8
142.5°	1438.0	1392.4	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9
145°	1481.2	1441.5	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5
147.5°	1534.0	1495.3	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4
150°	1562.3	1527.3	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4
152.5°	1582.4	1555.8	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7
155°	1623.5	1603.8	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3
157.5°	1663.0	1643.8	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8
160°	1681.9	1667.1	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1
162.5°	1701.9	1690.7	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2
165°	1729.6	1719.5	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9
167.5°	1746.4	1741.6	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0
170°	1764.4	1759.6	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0
172.5°	1766.4	1765.3	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6
175°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8
177.5°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2925.5	2916.9	2928.3	2896.8	2928.3	2916.9	2925.5	2945.5	2928.3	2939.8	2951.3
5°	2567.0	2552.6	2506.6	2469.3	2506.6	2552.6	2567.0	2627.2	2655.9	2707.5	2776.3
7.5°	2294.4	2282.9	2271.5	2248.5	2271.5	2282.9	2294.4	2311.6	2340.3	2386.2	2437.8
10°	2234.2	2237.0	2254.2	2251.4	2254.2	2237.0	2234.2	2228.4	2219.8	2228.4	2260.0
12.5°	2389.0	2414.9	2509.5	2503.8	2509.5	2414.9	2389.0	2274.3	2196.9	2182.5	2188.3
15°	2567.0	2575.6	2595.6	2598.5	2595.6	2575.6	2567.0	2521.0	2288.7	2188.3	2156.7
17.5°	2584.2	2587.0	2601.4	2601.4	2601.4	2587.0	2584.2	2564.1	2486.6	2351.8	2173.9
20°	2569.8	2575.6	2604.2	2610.0	2604.2	2575.6	2569.8	2544.0	2500.9	2452.1	2317.3
22.5°	2564.1	2575.6	2598.5	2595.6	2598.5	2575.6	2564.1	2523.8	2486.6	2452.1	2397.6
25°	2535.4	2535.4	2538.3	2541.1	2538.3	2535.4	2535.4	2503.8	2429.2	2420.6	2389.0
27.5°	2475.1	2480.8	2498.0	2495.2	2498.0	2480.8	2475.1	2463.6	2383.3	2374.7	2351.8
30°	2420.6	2414.9	2400.5	2389.0	2400.5	2414.9	2420.6	2403.4	2323.1	2300.1	2305.9
32.5°	2328.8	2314.5	2300.1	2291.5	2300.1	2314.5	2328.8	2323.1	2262.9	2231.3	2237.0
35°	2219.8	2222.7	2219.8	2211.2	2219.8	2222.7	2219.8	2225.6	2188.3	2159.6	2156.7
37.5°	2142.4	2148.1	2145.3	2133.8	2145.3	2148.1	2142.4	2136.7	2085.0	2076.4	2082.2
40°	2062.1	2065.0	2062.1	2053.5	2062.1	2065.0	2062.1	2050.6	1978.9	1981.8	2001.9
42.5°	1984.7	1981.8	1973.2	1967.4	1973.2	1981.8	1984.7	1967.4	1875.7	1867.1	1904.4
45°	1895.7	1898.6	1881.4	1872.8	1881.4	1898.6	1895.7	1884.3	1789.6	1766.7	1792.5
47.5°	1806.8	1806.8	1792.5	1783.9	1792.5	1806.8	1806.8	1792.5	1692.1	1669.2	1683.5
50°	1712.2	1709.3	1689.3	1686.4	1689.3	1709.3	1712.2	1703.6	1597.5	1577.4	1577.4
52.5°	1603.2	1603.2	1606.1	1611.8	1606.1	1603.2	1603.2	1606.1	1511.4	1491.4	1485.6
55°	1508.6	1511.4	1531.5	1537.2	1531.5	1511.4	1508.6	1508.6	1422.5	1402.5	1391.0
57.5°	1411.1	1411.1	1425.4	1425.4	1425.4	1411.1	1411.1	1405.3	1322.1	1304.9	1299.2
60°	1299.2	1304.9	1316.4	1313.5	1316.4	1304.9	1299.2	1293.5	1221.8	1210.3	1190.2
62.5°	1181.6	1187.4	1190.2	1184.5	1190.2	1187.4	1181.6	1164.4	1121.4	1112.8	1087.0
65°	1058.3	1064.0	1066.9	1061.2	1066.9	1064.0	1058.3	1049.7	1018.1	1003.8	980.9
67.5°	932.1	929.2	926.4	937.8	926.4	929.2	932.1	920.6	900.6	889.1	857.5
70°	803.0	803.0	800.2	805.9	800.2	803.0	803.0	794.4	783.0	774.4	745.7
72.5°	665.4	662.5	674.0	665.4	674.0	662.5	665.4	662.5	656.8	648.2	619.5
75°	530.6	536.3	530.6	539.2	530.6	536.3	530.6	533.4	530.6	524.8	504.8
77.5°	404.4	410.1	404.4	404.4	404.4	410.1	404.4	407.3	407.3	407.3	390.0
80°	286.8	283.9	283.9	281.1	283.9	283.9	286.8	286.8	289.7	283.9	278.2
82.5°	183.6	180.7	180.7	186.4	180.7	180.7	183.6	186.4	180.7	180.7	180.7
85°	100.4	103.2	97.5	97.5	97.5	103.2	100.4	94.6	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3
95°	769.4	742.0	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4
97.5°	1776.2	1724.3	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3
100°	2494.4	2432.5	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8
102.5°	3107.6	3054.5	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2
105°	3823.3	3794.8	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8
107.5°	4195.5	4202.4	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4
110°	4290.9	4320.6	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4230.1	4275.7	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5
115°	4023.7	4086.9	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6
117.5°	3738.6	3808.7	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8
120°	3546.6	3614.7	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4
122.5°	3354.5	3421.7	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2
125°	3100.4	3162.3	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7
127.5°	2896.4	2948.6	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3
130°	2767.6	2815.9	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0
132.5°	2657.9	2701.1	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6
135°	2502.7	2540.0	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1
137.5°	2388.3	2418.8	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4
140°	2296.4	2324.9	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1
142.5°	2232.0	2256.4	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1
145°	2135.3	2153.9	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2
147.5°	2054.3	2069.6	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9
150°	2007.7	2020.1	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0
152.5°	1970.7	1980.1	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9
155°	1926.5	1932.7	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7
157.5°	1888.4	1892.8	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5
160°	1869.3	1871.8	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4
162.5°	1851.4	1853.8	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6
165°	1824.0	1826.4	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8
167.5°	1812.1	1813.1	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4
172.5°	1802.5	1801.6	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1
177.5°	1787.0	1785.9	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2994.3	3008.6	3017.2	3028.7	3057.4
5°	2879.6	2934.1	2951.3	2994.3	3045.9
7.5°	2627.2	2793.5	2839.4	2942.7	3023.0
10°	2383.3	2549.7	2630.1	2873.8	2994.3
12.5°	2260.0	2357.5	2412.0	2753.4	2954.1
15°	2182.5	2251.4	2291.5	2592.8	2908.2
17.5°	2122.3	2171.1	2199.8	2434.9	2845.2
20°	2085.0	2108.0	2133.8	2320.2	2773.5
22.5°	2059.2	2044.9	2065.0	2239.9	2675.9
25°	2042.0	1987.5	2010.5	2176.8	2561.2
27.5°	2056.4	1935.9	1944.5	2119.5	2440.7
30°	2059.2	1872.8	1875.7	2059.2	2305.9
32.5°	2039.1	1806.8	1809.7	1984.7	2153.9
35°	1990.4	1729.4	1726.5	1898.6	1947.4
37.5°	1924.4	1646.2	1646.2	1804.0	1720.8
40°	1844.1	1563.1	1571.7	1680.6	1520.0
42.5°	1746.6	1474.2	1485.6	1517.2	1370.9
45°	1640.5	1388.1	1396.7	1282.0	1256.2
47.5°	1522.9	1299.2	1302.1	1064.0	1218.9
50°	1382.4	1207.4	1196.0	912.0	1216.0
52.5°	1259.1	1107.0	1072.6	826.0	1104.2
55°	1138.6	1000.9	926.4	760.0	1023.9
57.5°	1032.5	863.3	791.6	682.6	1006.7
60°	935.0	728.5	674.0	599.4	923.5
62.5°	854.7	628.1	616.6	542.1	837.5
65°	768.6	559.3	556.4	493.3	711.3
67.5°	685.5	513.4	510.5	447.4	542.1
70°	596.5	464.6	458.9	398.7	401.5
72.5°	504.8	410.1	404.4	358.5	332.7
75°	413.0	347.0	344.2	312.6	269.6
77.5°	324.1	275.3	281.1	252.4	197.9
80°	232.3	200.8	206.5	180.7	149.1
82.5°	154.9	131.9	137.7	114.7	100.4
85°	86.0	74.6	77.4	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.2	209.9	128.8	47.7
95°	796.4	448.6	411.5	263.0	114.5
97.5°	1072.8	492.7	459.9	329.0	198.0
100°	1173.4	529.6	499.9	381.2	262.4
102.5°	1219.6	566.6	538.9	428.1	317.3
105°	1253.8	621.5	598.1	504.2	410.4
107.5°	1260.1	702.7	680.8	593.3	505.8
110°	1250.5	748.0	728.2	649.2	570.3



TEST NUMBER: P935109

CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1251.0	802.8	784.0	708.8	633.4
115°	1262.5	885.2	867.8	798.4	728.9
117.5°	1286.0	965.1	949.3	886.2	823.1
120°	1305.1	1011.6	996.8	937.4	878.0
122.5°	1332.6	1066.5	1051.5	991.7	931.7
125°	1369.5	1136.9	1123.2	1068.6	1014.0
127.5°	1406.5	1204.8	1191.1	1135.9	1080.8
130°	1433.5	1250.2	1235.3	1176.0	1116.6
132.5°	1455.3	1287.2	1272.3	1213.0	1153.6
135°	1479.2	1330.1	1316.6	1262.5	1208.5
137.5°	1515.0	1385.0	1371.6	1318.0	1264.5
140°	1536.9	1422.0	1409.6	1360.4	1311.1
142.5°	1555.1	1449.4	1438.0	1392.4	1346.8
145°	1579.0	1491.2	1481.2	1441.5	1401.7
147.5°	1614.0	1543.7	1534.0	1495.3	1456.6
150°	1632.4	1571.1	1562.3	1527.3	1492.3
152.5°	1644.2	1589.0	1582.4	1555.8	1529.3
155°	1670.5	1628.4	1623.5	1603.8	1584.2
157.5°	1696.8	1667.7	1663.0	1643.8	1624.7
160°	1708.7	1685.6	1681.9	1667.1	1652.2
162.5°	1721.4	1704.6	1701.9	1690.7	1679.6
165°	1739.6	1732.1	1729.6	1719.5	1709.4
167.5°	1754.0	1747.7	1746.4	1741.6	1736.9
170°	1765.9	1765.5	1764.4	1759.6	1754.8
172.5°	1766.7	1766.7	1766.4	1765.3	1764.3
175°	1773.9	1777.5	1777.5	1777.5	1777.5
177.5°	1774.7	1777.5	1777.5	1777.5	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935109
 CATALOG NUMBER: SQ4-FA-100U-075D-830-1D-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	11.65	12.43	12.68	13.47	14.87	14.50	15.28	15.53	16.32	17.72
	3H	12.12	12.82	13.16	13.87	15.29	15.85	16.55	16.89	17.60	19.02
	4H	12.31	12.97	13.36	14.02	15.45	16.29	16.96	17.35	18.01	19.43
	6H	12.42	13.03	13.49	14.09	15.53	16.58	17.19	17.64	18.24	19.68
	8H	12.42	13.00	13.49	14.07	15.51	16.65	17.23	17.72	18.31	19.74
	12H	12.39	12.94	13.46	14.01	15.46	16.69	17.24	17.77	18.31	19.77
4H	2H	12.68	13.34	13.74	14.39	15.82	14.90	15.56	15.96	16.61	18.04
	3H	13.70	14.25	14.77	15.33	16.77	16.40	16.96	17.47	18.04	19.48
	4H	13.97	14.48	15.05	15.55	17.01	16.93	17.44	18.01	18.51	19.97
	6H	14.09	14.53	15.18	15.62	17.07	17.30	17.73	18.38	18.83	20.28
	8H	14.09	14.50	15.18	15.59	17.06	17.41	17.81	18.49	18.90	20.37
	12H	14.06	14.42	15.16	15.52	17.00	17.46	17.83	18.57	18.93	20.41
8H	4H	14.42	14.83	15.51	15.91	17.38	17.05	17.46	18.14	18.54	20.01
	6H	14.68	15.01	15.79	16.14	17.61	17.49	17.83	18.60	18.95	20.42
	8H	14.72	15.01	15.83	16.12	17.61	17.64	17.94	18.76	19.05	20.54
	12H	14.70	14.96	15.82	16.07	17.59	17.74	18.00	18.86	19.11	20.63
12H	4H	14.42	14.79	15.53	15.89	17.37	17.01	17.38	18.11	18.48	19.95
	6H	14.74	15.03	15.85	16.14	17.63	17.49	17.78	18.60	18.89	20.38
	8H	14.80	15.06	15.92	16.17	17.69	17.65	17.91	18.77	19.01	20.54