

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: P935873

Luminaire Tested: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

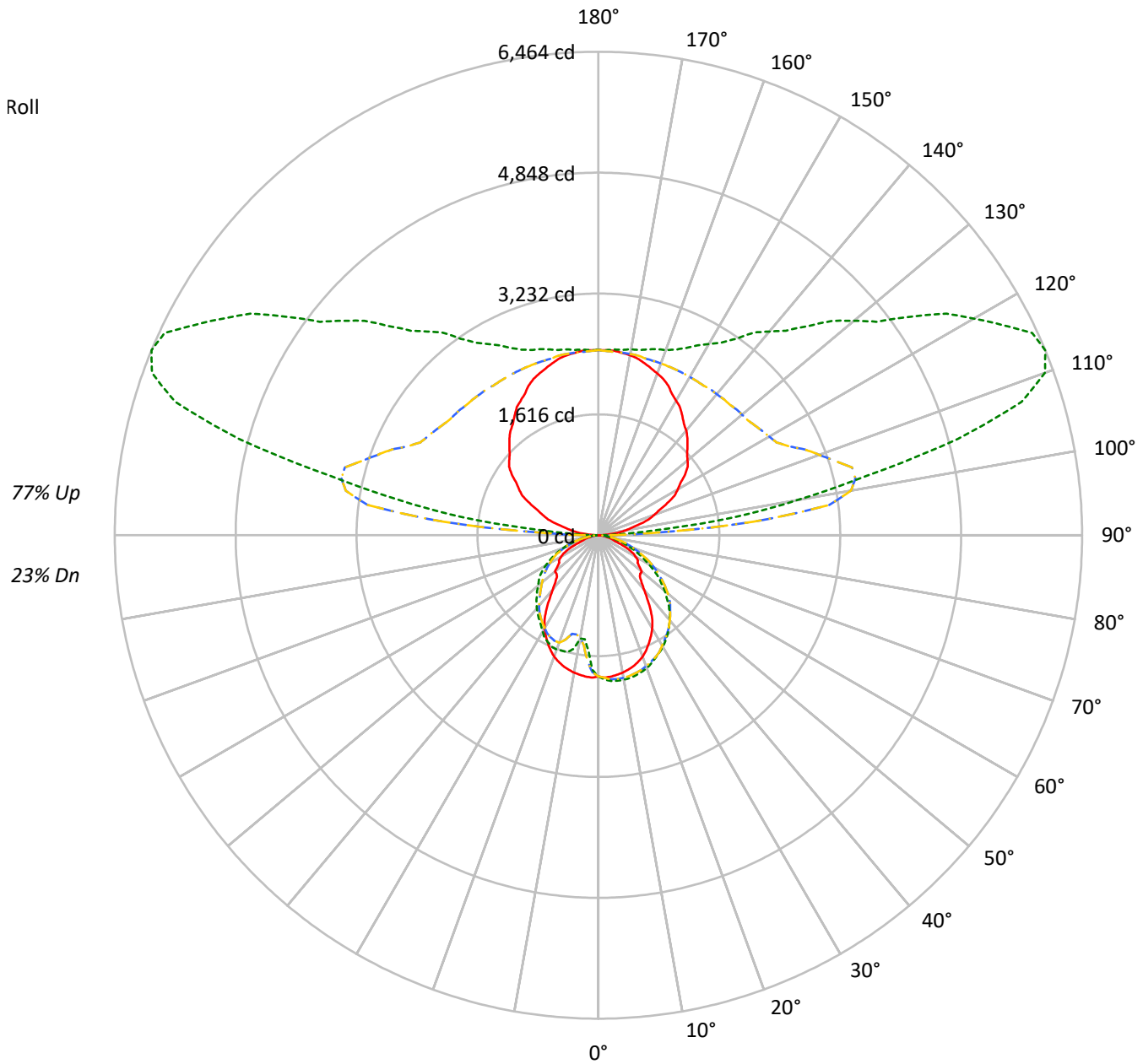
Test Method: LM-79-2019  
Report Number: P935873  
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20955.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 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: Semi-Indirect  
  
Input Watts (W): 166.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P935873  
CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot



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

TEST NUMBER: P935873  
 CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5841	5841	5841	5841
5°	5887	5897	5887	4636
10°	5850	5808	5850	4152
15°	5788	5682	5788	4745
20°	5670	5534	5670	4755
25°	5424	5316	5424	4654
30°	5106	5135	5106	4433
35°	4554	4907	4554	4190
40°	3797	4638	3797	4006
45°	3395	4323	3395	3795
50°	3610	3948	3610	3583
55°	3399	3544	3399	3460
60°	3508	3010	3508	3169
65°	3186	2488	3186	2781
70°	2211	1983	2211	2332
75°	1946	1466	1946	1755
80°	1580	969	1580	1055
85°	927	514	927	436

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 6161 cd/sqm



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.5	0.8
10°-20°	484.0	2.3
20°-30°	748.2	3.6
30°-40°	893.2	4.3
40°-50°	898.4	4.3
50°-60°	781.7	3.7
60°-70°	554.3	2.6
70°-80°	293.2	1.4
80°-90°	82.5	0.4
90°-100°	1206.8	5.8
100°-110°	3172.7	15.1
110°-120°	3289.8	15.7
120°-130°	2638.8	12.6
130°-140°	2070.5	9.9
140°-150°	1589.2	7.6
150°-160°	1144.5	5.5
160°-170°	700.3	3.3
170°-180°	236.6	1.1
0°-30°	1402.6	6.7
0°-40°	2295.8	11.0
0°-60°	3975.9	19.0
0°-90°	4905.9	23.4
90°-120°	7669.3	36.6
90°-150°	13967.8	66.7
90°-180°	16049.0	76.6
0°-180°	20955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1888	1888	1888	1888	1888	
5°	1897	1956	1897	1538	1897	180
15°	1812	1938	1812	1619	1812	510
25°	1596	1808	1596	1583	1596	733
35°	1213	1613	1213	1378	1213	751
45°	782	1329	782	1167	782	627
55°	638	981	638	958	638	586
65°	443	591	443	661	443	423
75°	168	280	168	336	168	177
85°	29	72	29	61	29	39
90°	17	63	17	63	17	15
95°	160	729	160	729	160	177
105°	572	4968	572	4968	572	606
115°	1015	6397	1015	6397	1015	1003
125°	1412	5094	1412	5094	1412	1254
135°	1683	3953	1683	3953	1683	1302
145°	1952	3207	1952	3207	1952	1223
155°	2207	2762	2207	2762	2207	1014
165°	2381	2572	2381	2572	2381	672
175°	2476	2492	2476	2492	2476	235
180°	2476	2476	2476	2476	2476	



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1904.5	1904.5	1915.2	1918.8	1918.8	1913.5	1908.1	1913.5	1929.5	1934.9	1933.1
5°	1897.4	1911.7	1931.3	1934.9	1938.5	1936.7	1933.1	1936.7	1954.6	1958.1	1959.9
7.5°	1883.1	1909.9	1934.9	1940.3	1945.6	1940.3	1938.5	1942.1	1959.9	1963.5	1963.5
10°	1865.2	1902.7	1931.3	1934.9	1940.3	1934.9	1934.9	1942.1	1959.9	1963.5	1965.3
12.5°	1840.2	1892.1	1918.8	1922.4	1929.5	1927.8	1926.0	1933.1	1951.0	1954.6	1954.6
15°	1811.6	1872.3	1897.4	1900.9	1913.5	1909.9	1909.9	1917.0	1936.7	1942.1	1940.3
17.5°	1772.4	1847.4	1876.0	1881.3	1890.3	1888.4	1890.3	1897.4	1915.2	1918.8	1920.7
20°	1727.7	1813.4	1847.4	1852.7	1861.7	1861.7	1861.7	1870.6	1888.4	1895.6	1895.6
22.5°	1667.0	1777.7	1813.4	1817.0	1827.7	1827.7	1831.3	1843.8	1859.8	1861.7	1861.7
25°	1595.5	1738.3	1768.7	1779.5	1790.2	1795.5	1801.0	1808.1	1813.4	1811.6	1813.4
27.5°	1520.4	1688.4	1727.7	1734.8	1749.1	1754.4	1761.6	1763.4	1765.2	1770.5	1766.9
30°	1436.4	1618.6	1677.6	1684.8	1708.0	1711.6	1704.4	1708.0	1716.9	1720.5	1724.1
32.5°	1341.8	1515.0	1625.8	1641.9	1663.3	1652.7	1650.8	1656.2	1670.5	1670.5	1674.1
35°	1213.1	1434.7	1577.6	1591.9	1608.0	1595.5	1602.6	1604.3	1613.3	1618.6	1616.9
37.5°	1072.0	1364.9	1527.5	1538.3	1550.8	1534.7	1545.4	1550.8	1557.9	1554.4	1554.4
40°	946.9	1256.0	1468.6	1475.8	1486.4	1474.0	1484.6	1488.3	1491.8	1488.3	1486.4
42.5°	854.0	1136.3	1406.1	1415.0	1407.8	1416.8	1420.4	1427.5	1422.1	1415.0	1415.0
45°	782.5	1104.1	1338.2	1348.9	1338.2	1352.5	1357.8	1357.8	1341.8	1338.2	1336.4
47.5°	759.3	1039.8	1270.3	1270.3	1265.0	1282.8	1291.7	1279.3	1263.2	1257.8	1257.8
50°	757.6	968.4	1177.4	1170.2	1195.2	1216.6	1207.8	1195.2	1182.7	1163.1	1163.1
52.5°	687.8	880.8	1057.7	1084.5	1123.8	1136.3	1122.0	1109.5	1088.1	1079.1	1072.0
55°	637.9	789.7	948.7	1002.3	1043.4	1059.5	1032.7	1020.1	988.0	982.7	979.1
57.5°	627.1	657.5	848.7	916.5	966.6	964.8	948.7	925.5	898.7	893.3	891.6
60°	575.3	475.3	741.5	821.8	873.6	868.3	854.0	832.6	807.5	804.0	800.4
62.5°	521.7	344.8	619.9	711.1	784.3	782.5	770.1	737.8	720.0	711.1	703.9
65°	443.1	289.4	441.3	591.4	696.8	700.4	673.5	650.4	630.7	619.9	618.1
67.5°	337.7	235.9	298.4	493.1	612.8	609.3	575.3	564.6	539.5	534.2	523.5
70°	250.1	157.3	207.3	400.2	530.7	521.7	494.9	482.4	459.2	446.7	439.5
72.5°	207.3	126.8	151.8	310.9	446.7	435.9	412.7	398.4	378.7	368.1	360.9
75°	167.9	134.0	116.2	230.4	362.7	355.6	334.1	319.8	303.7	289.4	291.2
77.5°	123.3	125.0	92.9	169.7	287.6	277.0	264.4	246.6	239.4	225.1	225.1
80°	92.9	98.3	69.7	116.2	207.3	207.3	196.5	184.0	171.5	164.4	164.4
82.5°	62.5	62.5	51.8	73.3	141.1	135.8	128.7	125.0	117.9	114.4	114.4
85°	28.6	35.7	32.1	44.7	76.8	80.4	80.4	76.8	75.0	71.5	73.3
87.5°	9.0	16.1	19.6	25.0	39.3	41.1	42.9	42.9	42.9	44.7	44.7
90°	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2	63.1	63.1
92.5°	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5	315.7	303.2
95°	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4	1071.7	1033.7
97.5°	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2	2474.1	2401.7
100°	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8	3474.3	3388.1
102.5°	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1	4328.4	4254.5
105°	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4	5325.2	5285.6
107.5°	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5	5843.7	5853.3
110°	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8	5976.6	6018.0



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8	5891.9	5955.4
115°	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8	5604.4	5692.5
117.5°	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6	5207.3	5305.0
120°	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6	4939.8	5034.7
122.5°	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5	4672.3	4765.9
125°	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8	4318.3	4404.6
127.5°	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7	4034.3	4107.0
130°	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7	3854.8	3922.0
132.5°	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9	3702.0	3762.2
135°	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2	3485.9	3537.8
137.5°	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8	3326.4	3368.9
140°	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6	3198.5	3238.2
142.5°	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7	3108.8	3143.0
145°	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5	2974.2	3000.0
147.5°	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2	2861.2	2882.6
150°	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0	2796.4	2813.7
152.5°	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6	2744.9	2758.0
155°	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7	2683.4	2692.1
157.5°	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2	2630.3	2636.4
160°	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4	2603.6	2607.2
162.5°	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9	2578.8	2582.0
165°	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3	2540.5	2544.0
167.5°	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8	2523.9	2525.4
170°	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8	2523.9	2523.9
172.5°	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0	2510.6	2509.3
175°	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8	2492.3	2492.3
177.5°	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7	2489.0	2487.5
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1936.7	1931.3	1936.7	1933.1	1934.9	1929.5	1913.5	1908.1	1913.5	1918.8	1918.8
5°	1959.9	1956.4	1959.9	1959.9	1958.1	1954.6	1936.7	1933.1	1936.7	1938.5	1934.9
7.5°	1967.1	1961.7	1967.1	1963.5	1963.5	1959.9	1942.1	1938.5	1940.3	1945.6	1940.3
10°	1967.1	1961.7	1967.1	1965.3	1963.5	1959.9	1942.1	1934.9	1934.9	1940.3	1934.9
12.5°	1958.1	1954.6	1958.1	1954.6	1954.6	1951.0	1933.1	1926.0	1927.8	1929.5	1922.4
15°	1943.8	1938.5	1943.8	1940.3	1942.1	1936.7	1917.0	1909.9	1909.9	1913.5	1900.9
17.5°	1922.4	1915.2	1922.4	1920.7	1918.8	1915.2	1897.4	1890.3	1888.4	1890.3	1881.3
20°	1897.4	1892.1	1897.4	1895.6	1895.6	1888.4	1870.6	1861.7	1861.7	1861.7	1852.7
22.5°	1858.1	1852.7	1858.1	1861.7	1861.7	1859.8	1843.8	1831.3	1827.7	1827.7	1817.0
25°	1813.4	1808.1	1813.4	1813.4	1811.6	1813.4	1808.1	1801.0	1795.5	1790.2	1779.5
27.5°	1770.5	1766.9	1770.5	1766.9	1770.5	1765.2	1763.4	1761.6	1754.4	1749.1	1734.8
30°	1727.7	1724.1	1727.7	1724.1	1720.5	1716.9	1708.0	1704.4	1711.6	1708.0	1684.8
32.5°	1674.1	1670.5	1674.1	1674.1	1670.5	1670.5	1656.2	1650.8	1652.7	1663.3	1641.9
35°	1618.6	1613.3	1618.6	1616.9	1618.6	1613.3	1604.3	1602.6	1595.5	1608.0	1591.9
37.5°	1554.4	1549.0	1554.4	1554.4	1554.4	1557.9	1550.8	1545.4	1534.7	1550.8	1538.3
40°	1488.3	1481.1	1488.3	1486.4	1488.3	1491.8	1488.3	1484.6	1474.0	1486.4	1475.8
42.5°	1413.3	1411.4	1413.3	1415.0	1415.0	1422.1	1427.5	1420.4	1416.8	1407.8	1415.0
45°	1332.8	1329.2	1332.8	1336.4	1338.2	1341.8	1357.8	1357.8	1352.5	1338.2	1348.9
47.5°	1247.0	1238.1	1247.0	1257.8	1257.8	1263.2	1279.3	1291.7	1282.8	1265.0	1270.3
50°	1155.9	1157.7	1155.9	1163.1	1163.1	1182.7	1195.2	1207.8	1216.6	1195.2	1170.2
52.5°	1066.6	1064.8	1066.6	1072.0	1079.1	1088.1	1109.5	1122.0	1136.3	1123.8	1084.5
55°	977.2	980.9	977.2	979.1	982.7	988.0	1020.1	1032.7	1059.5	1043.4	1002.3
57.5°	887.9	882.6	887.9	891.6	893.3	898.7	925.5	948.7	964.8	966.6	916.5
60°	784.3	777.2	784.3	800.4	804.0	807.5	832.6	854.0	868.3	873.6	821.8
62.5°	693.2	680.7	693.2	703.9	711.1	720.0	737.8	770.1	782.5	784.3	711.1
65°	596.7	591.4	596.7	618.1	619.9	630.7	650.4	673.5	700.4	696.8	591.4
67.5°	509.2	509.2	509.2	523.5	534.2	539.5	564.6	575.3	609.3	612.8	493.1
70°	428.8	427.0	428.8	439.5	446.7	459.2	482.4	494.9	521.7	530.7	400.2
72.5°	352.0	350.1	352.0	360.9	368.1	378.7	398.4	412.7	435.9	446.7	310.9
75°	284.1	280.5	284.1	291.2	289.4	303.7	319.8	334.1	355.6	362.7	230.4
77.5°	218.0	218.0	218.0	225.1	225.1	239.4	246.6	264.4	277.0	287.6	169.7
80°	162.6	160.8	162.6	164.4	164.4	171.5	184.0	196.5	207.3	207.3	116.2
82.5°	114.4	110.7	114.4	114.4	114.4	117.9	125.0	128.7	135.8	141.1	73.3
85°	71.5	71.5	71.5	73.3	71.5	75.0	76.8	80.4	80.4	76.8	44.7
87.5°	46.4	44.7	46.4	44.7	44.7	42.9	42.9	42.9	41.1	39.3	25.0
90°	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5	73.1	46.5
92.5°	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4	450.8	320.7
95°	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6	1109.4	624.7
97.5°	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7	1494.3	686.2
100°	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0	1634.5	737.8
102.5°	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2	1698.7	789.3
105°	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5	1746.3	865.7
107.5°	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5	1755.1	978.7
110°	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3	1741.9	1041.8





TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7	1742.4	1118.3
115°	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3	1758.5	1232.9
117.5°	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0	1791.1	1344.2
120°	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7	1817.7	1409.0
122.5°	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0	1856.0	1485.4
125°	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5	1907.5	1583.5
127.5°	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4	1958.9	1678.1
130°	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0	1996.6	1741.3
132.5°	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4	2027.0	1792.8
135°	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3	2060.3	1852.6
137.5°	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6	2110.2	1929.1
140°	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0	2140.6	1980.6
142.5°	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5	2166.1	2018.8
145°	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5	2199.3	2076.9
147.5°	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8	2248.1	2150.0
150°	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3	2273.5	2188.3
152.5°	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8	2290.2	2213.2
155°	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0	2326.7	2268.0
157.5°	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1	2363.2	2322.8
160°	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7	2379.9	2347.8
162.5°	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6	2397.6	2374.3
165°	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1	2423.1	2412.6
167.5°	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9	2443.1	2434.2
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4	2459.7	2459.1
172.5°	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1	2470.8	2475.7
177.5°	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7	2471.8	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1915.2	1904.5	1904.5	1886.6	1879.5	1874.1	1865.2	1838.4	1831.3	1824.1	1834.9
5°	1931.3	1911.7	1897.4	1865.2	1838.4	1827.7	1793.8	1729.5	1686.6	1654.4	1636.6
7.5°	1934.9	1909.9	1883.1	1833.1	1768.7	1740.1	1636.6	1518.7	1486.4	1457.9	1440.0
10°	1931.3	1902.7	1865.2	1790.2	1638.4	1588.3	1484.6	1407.8	1388.2	1382.9	1388.2
12.5°	1918.8	1892.1	1840.2	1715.2	1502.6	1468.6	1407.8	1363.2	1359.6	1368.6	1416.8
15°	1897.4	1872.3	1811.6	1615.1	1427.5	1402.5	1359.6	1343.5	1363.2	1425.7	1570.4
17.5°	1876.0	1847.4	1772.4	1516.9	1370.4	1352.5	1322.1	1354.3	1465.0	1549.0	1597.2
20°	1847.4	1813.4	1727.7	1445.4	1329.2	1313.2	1298.9	1443.6	1527.5	1557.9	1584.7
22.5°	1813.4	1777.7	1667.0	1395.3	1286.4	1273.8	1282.8	1493.6	1527.5	1549.0	1572.2
25°	1768.7	1738.3	1595.5	1356.1	1252.4	1238.1	1272.1	1488.3	1507.9	1513.2	1559.7
27.5°	1727.7	1688.4	1520.4	1320.3	1211.3	1206.0	1281.0	1465.0	1479.3	1484.6	1534.7
30°	1677.6	1618.6	1436.4	1282.8	1168.4	1166.7	1282.8	1436.4	1432.9	1447.2	1497.2
32.5°	1625.8	1515.0	1341.8	1236.4	1127.3	1125.5	1270.3	1393.5	1390.0	1409.6	1447.2
35°	1577.6	1434.7	1213.1	1182.7	1075.5	1077.3	1239.9	1343.5	1345.3	1363.2	1386.4
37.5°	1527.5	1364.9	1072.0	1123.8	1025.6	1025.6	1198.8	1297.1	1293.5	1298.9	1331.0
40°	1468.6	1256.0	946.9	1047.0	979.1	973.7	1148.8	1247.0	1234.6	1232.8	1277.4
42.5°	1406.1	1136.3	854.0	945.1	925.5	918.3	1088.1	1186.3	1163.1	1168.4	1225.6
45°	1338.2	1104.1	782.5	798.6	870.1	864.7	1021.9	1116.7	1100.6	1114.9	1173.8
47.5°	1270.3	1039.8	759.3	662.8	811.1	809.3	948.7	1048.7	1039.8	1054.1	1116.7
50°	1177.4	968.4	757.6	568.1	745.0	752.1	861.2	982.7	982.7	995.2	1061.2
52.5°	1057.7	880.8	687.8	514.5	668.2	689.6	784.3	925.5	929.0	941.5	1000.5
55°	948.7	789.7	637.9	473.5	577.1	623.6	709.2	866.5	873.6	886.1	939.8
57.5°	848.7	657.5	627.1	425.2	493.1	537.8	643.2	809.3	812.9	823.6	875.5
60°	741.5	475.3	575.3	373.4	419.8	453.8	582.4	741.5	753.9	761.1	805.8
62.5°	619.9	344.8	521.7	337.7	384.1	391.3	532.4	677.1	693.2	698.6	725.4
65°	441.3	289.4	443.1	307.3	346.6	348.4	478.8	611.0	625.3	634.2	653.9
67.5°	298.4	235.9	337.7	278.7	318.0	319.8	427.0	534.2	553.8	561.0	573.5
70°	207.3	157.3	250.1	248.4	285.8	289.4	371.6	464.5	482.4	487.8	494.9
72.5°	151.8	126.8	207.3	223.3	251.9	255.5	314.4	385.9	403.8	409.1	412.7
75°	116.2	134.0	167.9	194.7	214.4	216.1	257.3	314.4	327.0	330.5	332.3
77.5°	92.9	125.0	123.3	157.3	175.1	171.5	201.9	243.0	253.7	253.7	253.7
80°	69.7	98.3	92.9	112.6	128.7	125.0	144.7	173.3	176.9	180.4	178.7
82.5°	51.8	62.5	62.5	71.5	85.8	82.2	96.4	112.6	112.6	112.6	116.2
85°	32.1	35.7	28.6	37.6	48.2	46.4	53.6	60.7	62.5	62.5	59.0
87.5°	19.6	16.1	9.0	14.3	21.4	21.4	25.0	26.8	25.0	25.0	25.0
90°	43.2	29.9	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2
92.5°	292.4	179.4	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5
95°	573.0	366.2	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4
97.5°	640.6	458.2	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2
100°	696.4	530.9	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8
102.5°	750.6	596.3	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1
105°	833.0	702.3	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4
107.5°	948.2	826.4	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5
110°	1014.3	904.3	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1092.1	987.2	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8
115°	1208.7	1112.0	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8
117.5°	1322.2	1234.3	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6
120°	1388.3	1305.6	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6
122.5°	1464.6	1381.1	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5
125°	1564.5	1488.4	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8
127.5°	1659.0	1582.1	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7
130°	1720.6	1637.9	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7
132.5°	1772.1	1689.4	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9
135°	1833.8	1758.4	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2
137.5°	1910.4	1835.9	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8
140°	1963.5	1894.7	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6
142.5°	2002.9	1939.4	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7
145°	2063.1	2007.8	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5
147.5°	2136.5	2082.6	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2
150°	2176.1	2127.4	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0
152.5°	2203.9	2167.1	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6
155°	2261.2	2233.9	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7
157.5°	2316.2	2289.6	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2
160°	2342.6	2321.9	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4
162.5°	2370.4	2355.0	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9
165°	2409.1	2395.0	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3
167.5°	2432.5	2425.9	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8
170°	2457.5	2450.8	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8
172.5°	2460.4	2458.9	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0
175°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8
177.5°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1822.4	1817.0	1824.1	1804.5	1824.1	1817.0	1822.4	1834.9	1824.1	1831.3	1838.4
5°	1599.0	1590.1	1561.5	1538.3	1561.5	1590.1	1599.0	1636.6	1654.4	1686.6	1729.5
7.5°	1429.3	1422.1	1415.0	1400.7	1415.0	1422.1	1429.3	1440.0	1457.9	1486.4	1518.7
10°	1391.8	1393.5	1404.3	1402.5	1404.3	1393.5	1391.8	1388.2	1382.9	1388.2	1407.8
12.5°	1488.3	1504.4	1563.3	1559.7	1563.3	1504.4	1488.3	1416.8	1368.6	1359.6	1363.2
15°	1599.0	1604.3	1616.9	1618.6	1616.9	1604.3	1599.0	1570.4	1425.7	1363.2	1343.5
17.5°	1609.8	1611.5	1620.4	1620.4	1620.4	1611.5	1609.8	1597.2	1549.0	1465.0	1354.3
20°	1600.8	1604.3	1622.3	1625.8	1622.3	1604.3	1600.8	1584.7	1557.9	1527.5	1443.6
22.5°	1597.2	1604.3	1618.6	1616.9	1618.6	1604.3	1597.2	1572.2	1549.0	1527.5	1493.6
25°	1579.4	1579.4	1581.2	1582.9	1581.2	1579.4	1579.4	1559.7	1513.2	1507.9	1488.3
27.5°	1541.8	1545.4	1556.1	1554.4	1556.1	1545.4	1541.8	1534.7	1484.6	1479.3	1465.0
30°	1507.9	1504.4	1495.4	1488.3	1495.4	1504.4	1507.9	1497.2	1447.2	1432.9	1436.4
32.5°	1450.7	1441.8	1432.9	1427.5	1432.9	1441.8	1450.7	1447.2	1409.6	1390.0	1393.5
35°	1382.9	1384.7	1382.9	1377.5	1382.9	1384.7	1382.9	1386.4	1363.2	1345.3	1343.5
37.5°	1334.6	1338.2	1336.4	1329.2	1336.4	1338.2	1334.6	1331.0	1298.9	1293.5	1297.1
40°	1284.6	1286.4	1284.6	1279.3	1284.6	1286.4	1284.6	1277.4	1232.8	1234.6	1247.0
42.5°	1236.4	1234.6	1229.2	1225.6	1229.2	1234.6	1236.4	1225.6	1168.4	1163.1	1186.3
45°	1181.0	1182.7	1172.0	1166.7	1172.0	1182.7	1181.0	1173.8	1114.9	1100.6	1116.7
47.5°	1125.5	1125.5	1116.7	1111.2	1116.7	1125.5	1125.5	1116.7	1054.1	1039.8	1048.7
50°	1066.6	1064.8	1052.3	1050.5	1052.3	1064.8	1066.6	1061.2	995.2	982.7	982.7
52.5°	998.7	998.7	1000.5	1004.1	1000.5	998.7	998.7	1000.5	941.5	929.0	925.5
55°	939.8	941.5	954.1	957.6	954.1	941.5	939.8	939.8	886.1	873.6	866.5
57.5°	879.0	879.0	887.9	887.9	887.9	879.0	879.0	875.5	823.6	812.9	809.3
60°	809.3	812.9	820.1	818.3	820.1	812.9	809.3	805.8	761.1	753.9	741.5
62.5°	736.1	739.7	741.5	737.8	741.5	739.7	736.1	725.4	698.6	693.2	677.1
65°	659.3	662.8	664.6	661.0	664.6	662.8	659.3	653.9	634.2	625.3	611.0
67.5°	580.7	578.9	577.1	584.2	577.1	578.9	580.7	573.5	561.0	553.8	534.2
70°	500.2	500.2	498.4	502.1	498.4	500.2	500.2	494.9	487.8	482.4	464.5
72.5°	414.5	412.7	419.8	414.5	419.8	412.7	414.5	412.7	409.1	403.8	385.9
75°	330.5	334.1	330.5	335.8	330.5	334.1	330.5	332.3	330.5	327.0	314.4
77.5°	251.9	255.5	251.9	251.9	251.9	255.5	251.9	253.7	253.7	253.7	243.0
80°	178.7	176.9	176.9	175.1	176.9	176.9	178.7	178.7	180.4	176.9	173.3
82.5°	114.4	112.6	112.6	116.2	112.6	112.6	114.4	116.2	112.6	112.6	112.6
85°	62.5	64.3	60.7	60.7	60.7	64.3	62.5	59.0	62.5	62.5	60.7
87.5°	23.3	21.4	21.4	21.4	21.4	21.4	23.3	25.0	25.0	25.0	26.8
90°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5
92.5°	315.7	303.2	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4
95°	1071.7	1033.7	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6
97.5°	2474.1	2401.7	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7
100°	3474.3	3388.1	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0
102.5°	4328.4	4254.5	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2
105°	5325.2	5285.6	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5
107.5°	5843.7	5853.3	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5
110°	5976.6	6018.0	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5891.9	5955.4	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7
115°	5604.4	5692.5	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3
117.5°	5207.3	5305.0	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0
120°	4939.8	5034.7	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7
122.5°	4672.3	4765.9	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0
125°	4318.3	4404.6	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5
127.5°	4034.3	4107.0	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4
130°	3854.8	3922.0	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0
132.5°	3702.0	3762.2	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4
135°	3485.9	3537.8	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3
137.5°	3326.4	3368.9	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6
140°	3198.5	3238.2	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0
142.5°	3108.8	3143.0	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5
145°	2974.2	3000.0	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5
147.5°	2861.2	2882.6	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8
150°	2796.4	2813.7	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3
152.5°	2744.9	2758.0	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8
155°	2683.4	2692.1	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0
157.5°	2630.3	2636.4	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1
160°	2603.6	2607.2	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7
162.5°	2578.8	2582.0	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6
165°	2540.5	2544.0	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1
167.5°	2523.9	2525.4	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4
172.5°	2510.6	2509.3	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1
177.5°	2489.0	2487.5	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1865.2	1874.1	1879.5	1886.6	1904.5
5°	1793.8	1827.7	1838.4	1865.2	1897.4
7.5°	1636.6	1740.1	1768.7	1833.1	1883.1
10°	1484.6	1588.3	1638.4	1790.2	1865.2
12.5°	1407.8	1468.6	1502.6	1715.2	1840.2
15°	1359.6	1402.5	1427.5	1615.1	1811.6
17.5°	1322.1	1352.5	1370.4	1516.9	1772.4
20°	1298.9	1313.2	1329.2	1445.4	1727.7
22.5°	1282.8	1273.8	1286.4	1395.3	1667.0
25°	1272.1	1238.1	1252.4	1356.1	1595.5
27.5°	1281.0	1206.0	1211.3	1320.3	1520.4
30°	1282.8	1166.7	1168.4	1282.8	1436.4
32.5°	1270.3	1125.5	1127.3	1236.4	1341.8
35°	1239.9	1077.3	1075.5	1182.7	1213.1
37.5°	1198.8	1025.6	1025.6	1123.8	1072.0
40°	1148.8	973.7	979.1	1047.0	946.9
42.5°	1088.1	918.3	925.5	945.1	854.0
45°	1021.9	864.7	870.1	798.6	782.5
47.5°	948.7	809.3	811.1	662.8	759.3
50°	861.2	752.1	745.0	568.1	757.6
52.5°	784.3	689.6	668.2	514.5	687.8
55°	709.2	623.6	577.1	473.5	637.9
57.5°	643.2	537.8	493.1	425.2	627.1
60°	582.4	453.8	419.8	373.4	575.3
62.5°	532.4	391.3	384.1	337.7	521.7
65°	478.8	348.4	346.6	307.3	443.1
67.5°	427.0	319.8	318.0	278.7	337.7
70°	371.6	289.4	285.8	248.4	250.1
72.5°	314.4	255.5	251.9	223.3	207.3
75°	257.3	216.1	214.4	194.7	167.9
77.5°	201.9	171.5	175.1	157.3	123.3
80°	144.7	125.0	128.7	112.6	92.9
82.5°	96.4	82.2	85.8	71.5	62.5
85°	53.6	46.4	48.2	37.6	28.6
87.5°	25.0	21.4	21.4	14.3	9.0
90°	73.1	46.5	43.2	29.9	16.6
92.5°	450.8	320.7	292.4	179.4	66.4
95°	1109.4	624.7	573.0	366.2	159.5
97.5°	1494.3	686.2	640.6	458.2	275.8
100°	1634.5	737.8	696.4	530.9	365.5
102.5°	1698.7	789.3	750.6	596.3	442.0
105°	1746.3	865.7	833.0	702.3	571.6
107.5°	1755.1	978.7	948.2	826.4	704.5
110°	1741.9	1041.8	1014.3	904.3	794.2



TEST NUMBER: P935873

CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1742.4	1118.3	1092.1	987.2	882.3
115°	1758.5	1232.9	1208.7	1112.0	1015.3
117.5°	1791.1	1344.2	1322.2	1234.3	1146.5
120°	1817.7	1409.0	1388.3	1305.6	1222.9
122.5°	1856.0	1485.4	1464.6	1381.1	1297.6
125°	1907.5	1583.5	1564.5	1488.4	1412.4
127.5°	1958.9	1678.1	1659.0	1582.1	1505.3
130°	1996.6	1741.3	1720.6	1637.9	1555.2
132.5°	2027.0	1792.8	1772.1	1689.4	1606.7
135°	2060.3	1852.6	1833.8	1758.4	1683.1
137.5°	2110.2	1929.1	1910.4	1835.9	1761.3
140°	2140.6	1980.6	1963.5	1894.7	1826.1
142.5°	2166.1	2018.8	2002.9	1939.4	1875.9
145°	2199.3	2076.9	2063.1	2007.8	1952.4
147.5°	2248.1	2150.0	2136.5	2082.6	2028.7
150°	2273.5	2188.3	2176.1	2127.4	2078.6
152.5°	2290.2	2213.2	2203.9	2167.1	2130.1
155°	2326.7	2268.0	2261.2	2233.9	2206.6
157.5°	2363.2	2322.8	2316.2	2289.6	2263.1
160°	2379.9	2347.8	2342.6	2321.9	2301.3
162.5°	2397.6	2374.3	2370.4	2355.0	2339.4
165°	2423.1	2412.6	2409.1	2395.0	2381.0
167.5°	2443.1	2434.2	2432.5	2425.9	2419.3
170°	2459.7	2459.1	2457.5	2450.8	2444.1
172.5°	2460.7	2460.7	2460.4	2458.9	2457.5
175°	2470.8	2475.7	2475.7	2475.7	2475.7
177.5°	2471.8	2475.7	2475.7	2475.7	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935873  
 CATALOG NUMBER: SQ4-FA-150U-050D-940-1D-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	7.73	8.40	8.89	9.54	11.15	10.59	11.25	11.74	12.39	14.00
	3H	8.20	8.79	9.36	9.94	11.56	11.92	12.52	13.09	13.67	15.29
	4H	8.38	8.94	9.55	10.09	11.72	12.36	12.93	13.53	14.08	15.70
	6H	8.49	9.01	9.67	10.16	11.80	12.64	13.16	13.82	14.31	15.95
	8H	8.48	8.98	9.66	10.14	11.77	12.71	13.21	13.90	14.38	16.00
	12H	8.45	8.91	9.63	10.08	11.73	12.75	13.22	13.93	14.38	16.03
4H	2H	8.75	9.31	9.93	10.46	12.09	10.97	11.53	12.15	12.69	14.31
	3H	9.76	10.23	10.94	11.40	13.04	12.46	12.93	13.65	14.11	15.75
	4H	10.02	10.46	11.21	11.62	13.28	12.99	13.42	14.17	14.58	16.24
	6H	10.14	10.51	11.33	11.70	13.34	13.35	13.72	14.54	14.90	16.55
	8H	10.14	10.48	11.33	11.66	13.33	13.45	13.80	14.64	14.98	16.64
	12H	10.10	10.41	11.30	11.60	13.27	13.50	13.82	14.71	15.01	16.67
8H	4H	10.46	10.81	11.65	11.99	13.65	13.09	13.44	14.28	14.62	16.28
	6H	10.72	11.00	11.93	12.22	13.88	13.53	13.81	14.74	15.03	16.69
	8H	10.76	11.01	11.97	12.20	13.88	13.68	13.93	14.90	15.13	16.81
	12H	10.73	10.95	11.95	12.15	13.86	13.78	13.99	14.99	15.19	16.90
12H	4H	10.46	10.78	11.67	11.96	13.63	13.05	13.36	14.25	14.55	16.22
	6H	10.78	11.03	11.99	12.22	13.90	13.52	13.77	14.74	14.97	16.65
	8H	10.83	11.05	12.05	12.25	13.96	13.68	13.90	14.90	15.09	16.80