

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: P934908

Luminaire Tested: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

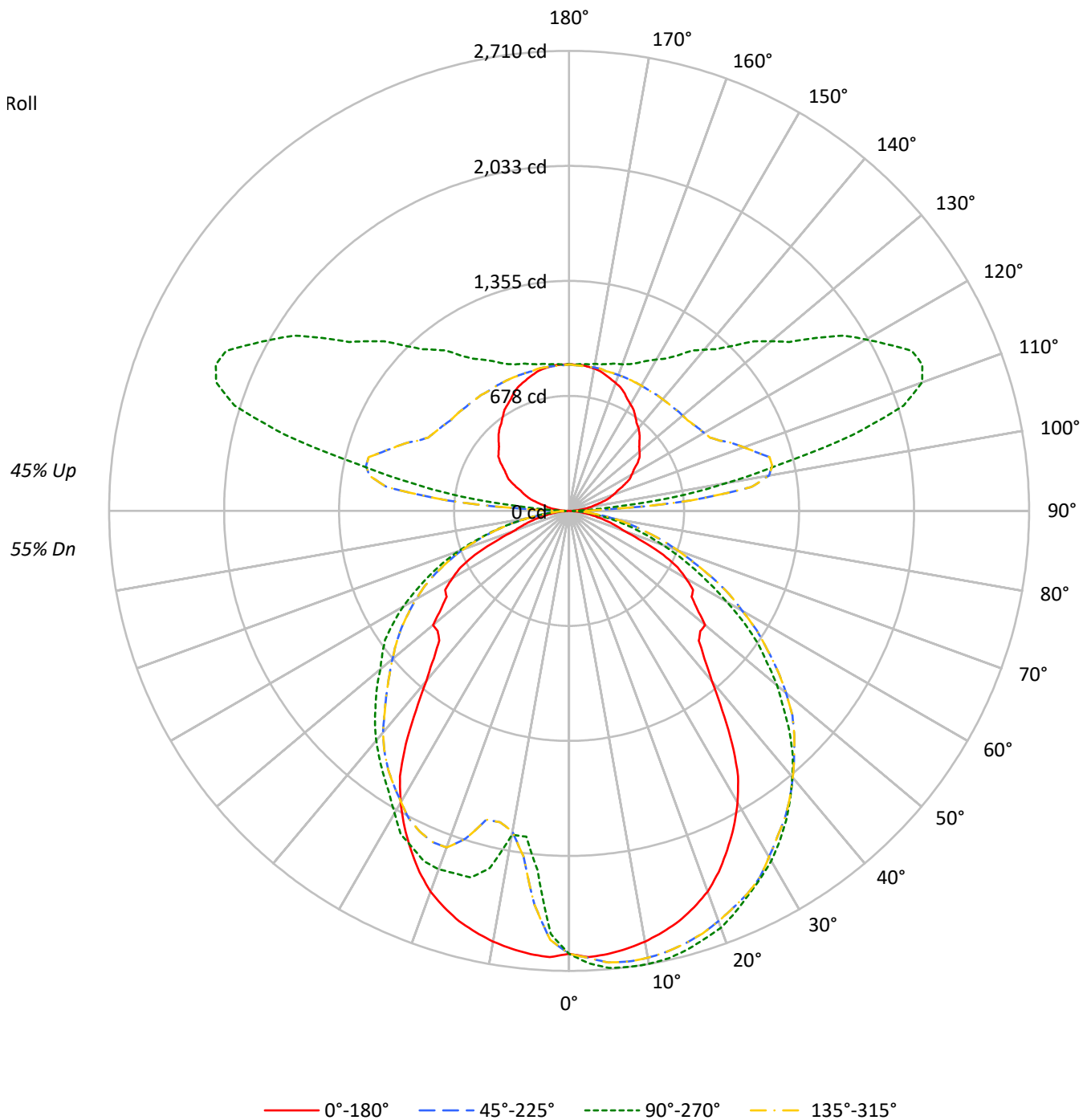
Test Method: LM-79-2019  
Report Number: P934908  
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12360.5 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 102.4  
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: P934908  
CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

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

	0°	90°	180°	270°
0°	12104	12104	12104	12104
5°	12194	12218	12194	9607
10°	12112	12035	12112	8604
15°	11981	11775	11981	9832
20°	11731	11466	11731	9853
25°	11217	11015	11217	9644
30°	10554	10641	10554	9186
35°	9409	10168	9409	8681
40°	7840	9611	7840	8301
45°	7005	8959	7005	7863
50°	7443	8182	7443	7424
55°	7002	7344	7002	7170
60°	7218	6237	7218	6567
65°	6544	5156	6544	5763
70°	4531	4109	4531	4831
75°	3973	3037	3973	3637
80°	3201	2008	3201	2187
85°	1840	1063	1840	904

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10737 cd/sqm



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.5	1.9
10°-20°	668.6	5.4
20°-30°	1033.5	8.4
30°-40°	1233.8	10.0
40°-50°	1241.1	10.0
50°-60°	1079.9	8.7
60°-70°	765.6	6.2
70°-80°	405.1	3.3
80°-90°	104.2	0.8
90°-100°	420.6	3.4
100°-110°	1105.7	8.9
110°-120°	1146.5	9.3
120°-130°	919.6	7.4
130°-140°	721.6	5.8
140°-150°	553.9	4.5
150°-160°	398.9	3.2
160°-170°	244.0	2.0
170°-180°	82.5	0.7
0°-30°	1937.6	15.7
0°-40°	3171.5	25.7
0°-60°	5492.4	44.4
0°-90°	6767.3	54.7
90°-120°	2672.8	21.6
90°-150°	4867.9	39.4
90°-180°	5593.0	45.2
0°-180°	12360.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2609	2609	2609	2609	2609	
5°	2621	2702	2621	2125	2621	249
15°	2503	2678	2503	2236	2503	704
25°	2204	2498	2204	2187	2204	1012
35°	1676	2229	1676	1903	1676	1037
45°	1081	1836	1081	1612	1081	866
55°	881	1355	881	1323	881	810
65°	612	817	612	913	612	585
75°	232	388	232	464	232	244
85°	40	99	40	84	40	53
90°	6	22	6	22	6	6
95°	56	254	56	254	56	62
105°	199	1731	199	1731	199	211
115°	354	2229	354	2229	354	349
125°	492	1775	492	1775	492	437
135°	587	1378	587	1378	587	454
145°	680	1118	680	1118	680	426
155°	769	962	769	962	769	353
165°	830	896	830	896	830	234
175°	863	869	863	869	863	82
180°	863	863	863	863	863	



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2631.0	2631.0	2645.7	2650.7	2650.7	2643.3	2635.9	2643.3	2665.5	2672.9	2670.5
5°	2621.1	2640.8	2668.0	2672.9	2677.9	2675.3	2670.5	2675.3	2700.1	2705.1	2707.5
7.5°	2601.4	2638.4	2672.9	2680.3	2687.8	2680.3	2677.9	2682.8	2707.5	2712.4	2712.4
10°	2576.6	2628.5	2668.0	2672.9	2680.3	2672.9	2672.9	2682.8	2707.5	2712.4	2714.9
12.5°	2542.1	2613.7	2650.7	2655.6	2665.5	2663.0	2660.6	2670.5	2695.2	2700.1	2700.1
15°	2502.7	2586.5	2621.1	2626.0	2643.3	2638.4	2638.4	2648.3	2675.3	2682.8	2680.3
17.5°	2448.3	2552.0	2591.5	2598.9	2611.2	2608.8	2611.2	2621.1	2645.7	2650.7	2653.2
20°	2386.7	2505.1	2552.0	2559.3	2571.8	2571.8	2571.8	2584.1	2608.8	2618.7	2618.7
22.5°	2302.7	2455.8	2505.1	2510.0	2524.8	2524.8	2529.7	2547.0	2569.2	2571.8	2571.8
25°	2204.0	2401.4	2443.3	2458.2	2473.0	2480.4	2487.8	2497.7	2505.1	2502.7	2505.1
27.5°	2100.3	2332.3	2386.7	2396.5	2416.3	2423.6	2433.5	2436.0	2438.5	2445.9	2440.9
30°	1984.3	2236.1	2317.5	2327.4	2359.5	2364.4	2354.5	2359.5	2371.8	2376.7	2381.7
32.5°	1853.5	2092.9	2246.0	2268.1	2297.7	2283.0	2280.5	2287.9	2307.6	2307.6	2312.6
35°	1675.8	1981.9	2179.3	2199.0	2221.2	2204.0	2213.9	2216.3	2228.7	2236.1	2233.6
37.5°	1480.9	1885.6	2110.2	2125.0	2142.3	2120.1	2134.8	2142.3	2152.1	2147.3	2147.3
40°	1308.1	1735.1	2028.7	2038.6	2053.4	2036.1	2051.0	2055.9	2060.9	2055.9	2053.4
42.5°	1179.7	1569.7	1942.3	1954.7	1944.9	1957.2	1962.1	1972.0	1964.6	1954.7	1954.7
45°	1081.0	1525.2	1848.6	1863.4	1848.6	1868.4	1875.8	1875.8	1853.5	1848.6	1846.1
47.5°	1049.0	1436.4	1754.8	1754.8	1747.4	1772.1	1784.4	1767.1	1744.9	1737.5	1737.5
50°	1046.5	1337.7	1626.5	1616.6	1651.1	1680.7	1668.4	1651.1	1633.8	1606.7	1606.7
52.5°	950.3	1216.7	1461.1	1498.1	1552.4	1569.7	1550.0	1532.7	1503.1	1490.8	1480.9
55°	881.1	1090.9	1310.6	1384.6	1441.3	1463.6	1426.5	1409.3	1364.9	1357.5	1352.5
57.5°	866.3	908.2	1172.4	1266.1	1335.2	1332.7	1310.6	1278.5	1241.5	1234.0	1231.6
60°	794.7	656.5	1024.2	1135.3	1206.9	1199.4	1179.7	1150.1	1115.6	1110.6	1105.7
62.5°	720.7	476.3	856.4	982.3	1083.4	1081.0	1063.7	1019.3	994.6	982.3	972.4
65°	612.1	399.8	609.6	817.0	962.6	967.4	930.5	898.4	871.2	856.4	854.0
67.5°	466.4	325.8	412.2	681.2	846.6	841.6	794.7	779.9	745.3	738.0	723.1
70°	345.5	217.2	286.3	552.8	733.0	720.7	683.7	666.4	634.3	617.0	607.1
72.5°	286.3	175.2	209.8	429.5	617.0	602.2	570.1	550.4	523.2	508.4	498.6
75°	232.0	185.1	160.5	318.4	501.0	491.2	461.5	441.8	419.6	399.8	402.3
77.5°	170.3	172.8	128.3	234.4	397.3	382.6	365.3	340.6	330.7	311.0	311.0
80°	128.3	135.7	96.3	160.5	286.3	286.3	271.5	254.2	237.0	227.1	227.1
82.5°	86.4	86.4	71.5	101.2	195.0	187.5	177.7	172.8	162.9	157.9	157.9
85°	39.5	49.3	44.5	61.7	106.1	111.1	111.1	106.1	103.7	98.7	101.2
87.5°	12.3	22.2	27.2	34.6	54.3	56.8	59.2	59.2	59.2	61.7	61.7
90°	5.8	10.5	15.1	16.3	25.5	37.8	44.0	39.1	29.3	22.0	22.0
92.5°	23.2	62.6	102.0	111.8	157.2	217.6	247.9	217.2	156.0	110.0	105.6
95°	55.6	127.7	199.7	217.7	386.6	611.8	724.4	646.4	490.4	373.5	360.2
97.5°	96.1	159.7	223.3	239.2	520.8	896.3	1084.0	1034.7	936.1	862.3	837.1
100°	127.4	185.0	242.7	257.1	569.6	986.3	1194.6	1198.2	1205.4	1210.8	1180.8
102.5°	154.0	207.8	261.6	275.1	592.0	1014.6	1225.9	1288.6	1414.3	1508.5	1482.7
105°	199.2	244.8	290.3	301.7	608.6	1017.8	1222.4	1363.2	1644.7	1855.9	1842.0
107.5°	245.5	288.0	330.4	341.1	611.7	972.5	1152.9	1349.3	1742.0	2036.6	2039.9
110°	276.8	315.1	353.4	363.0	607.0	932.3	1095.0	1314.5	1753.6	2082.9	2097.3



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	307.5	344.0	380.5	389.7	607.2	897.3	1042.3	1267.1	1716.4	2053.4	2075.5
115°	353.8	387.5	421.2	429.6	612.8	857.0	979.2	1195.6	1628.5	1953.2	1983.9
117.5°	399.6	430.2	460.8	468.5	624.3	831.9	935.8	1131.1	1521.8	1814.8	1848.8
120°	426.2	455.0	483.8	491.0	633.4	823.4	918.4	1096.9	1453.9	1721.5	1754.6
122.5°	452.2	481.4	510.4	517.7	646.8	818.9	905.0	1065.8	1387.3	1628.3	1660.9
125°	492.2	518.7	545.2	551.8	664.7	815.3	890.6	1027.1	1300.1	1505.0	1535.0
127.5°	524.6	551.4	578.1	584.9	682.8	813.2	878.4	995.6	1230.1	1406.0	1431.3
130°	542.0	570.8	599.6	606.8	695.8	814.5	873.9	978.2	1186.9	1343.5	1366.9
132.5°	559.9	588.8	617.7	624.8	706.5	815.3	869.7	963.1	1150.0	1290.1	1311.1
135°	586.6	612.8	639.1	645.7	718.1	814.5	862.8	941.1	1097.5	1214.9	1233.0
137.5°	613.8	639.8	665.8	672.3	735.4	819.6	861.6	927.7	1060.1	1159.3	1174.0
140°	636.4	660.3	684.2	690.2	746.0	820.4	857.6	914.8	1029.0	1114.7	1128.6
142.5°	653.8	675.9	698.1	703.6	755.0	823.4	857.6	907.8	1008.2	1083.4	1095.3
145°	680.4	699.8	719.0	723.8	766.5	823.4	851.8	892.9	975.0	1036.6	1045.5
147.5°	707.0	725.8	744.7	749.3	783.5	829.0	851.8	884.1	948.7	997.1	1004.6
150°	724.4	741.4	758.4	762.6	792.3	832.0	851.8	879.1	933.6	974.5	980.6
152.5°	742.3	755.2	768.1	771.3	798.1	833.9	851.8	875.1	921.7	956.6	961.2
155°	769.0	778.5	788.0	790.4	810.9	838.2	851.8	870.3	907.4	935.2	938.2
157.5°	788.7	797.9	807.2	809.5	823.6	842.4	851.8	866.2	895.1	916.6	918.8
160°	802.0	809.2	816.4	818.2	829.4	844.3	851.8	864.1	888.9	907.4	908.6
162.5°	815.3	820.7	826.1	827.5	835.6	846.4	851.8	862.3	883.1	898.7	899.8
165°	829.8	834.6	839.6	840.8	844.4	849.4	851.8	859.3	874.2	885.4	886.6
167.5°	843.1	845.5	847.8	848.4	851.4	855.5	857.6	862.5	872.3	879.6	880.1
170°	851.8	854.1	856.5	857.0	857.2	857.5	857.6	862.5	872.3	879.6	879.6
172.5°	856.5	856.9	857.5	857.6	857.6	857.6	857.6	861.4	869.2	875.0	874.5
175°	862.8	862.8	862.8	862.8	861.1	858.7	857.6	860.0	865.0	868.6	868.6
177.5°	862.8	862.8	862.8	862.8	861.4	859.7	858.7	860.7	864.5	867.4	866.9
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P934908  
 CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2675.3	2668.0	2675.3	2670.5	2672.9	2665.5	2643.3	2635.9	2643.3	2650.7	2650.7
5°	2707.5	2702.5	2707.5	2707.5	2705.1	2700.1	2675.3	2670.5	2675.3	2677.9	2672.9
7.5°	2717.4	2709.9	2717.4	2712.4	2712.4	2707.5	2682.8	2677.9	2680.3	2687.8	2680.3
10°	2717.4	2709.9	2717.4	2714.9	2712.4	2707.5	2682.8	2672.9	2672.9	2680.3	2672.9
12.5°	2705.1	2700.1	2705.1	2700.1	2700.1	2695.2	2670.5	2660.6	2663.0	2665.5	2655.6
15°	2685.2	2677.9	2685.2	2680.3	2682.8	2675.3	2648.3	2638.4	2638.4	2643.3	2626.0
17.5°	2655.6	2645.7	2655.6	2653.2	2650.7	2645.7	2621.1	2611.2	2608.8	2611.2	2598.9
20°	2621.1	2613.7	2621.1	2618.7	2618.7	2608.8	2584.1	2571.8	2571.8	2571.8	2559.3
22.5°	2566.8	2559.3	2566.8	2571.8	2571.8	2569.2	2547.0	2529.7	2524.8	2524.8	2510.0
25°	2505.1	2497.7	2505.1	2505.1	2502.7	2505.1	2497.7	2487.8	2480.4	2473.0	2458.2
27.5°	2445.9	2440.9	2445.9	2440.9	2445.9	2438.5	2436.0	2433.5	2423.6	2416.3	2396.5
30°	2386.7	2381.7	2386.7	2381.7	2376.7	2371.8	2359.5	2354.5	2364.4	2359.5	2327.4
32.5°	2312.6	2307.6	2312.6	2312.6	2307.6	2307.6	2287.9	2280.5	2283.0	2297.7	2268.1
35°	2236.1	2228.7	2236.1	2233.6	2236.1	2228.7	2216.3	2213.9	2204.0	2221.2	2199.0
37.5°	2147.3	2139.8	2147.3	2147.3	2147.3	2152.1	2142.3	2134.8	2120.1	2142.3	2125.0
40°	2055.9	2046.0	2055.9	2053.4	2055.9	2060.9	2055.9	2051.0	2036.1	2053.4	2038.6
42.5°	1952.2	1949.8	1952.2	1954.7	1954.7	1964.6	1972.0	1962.1	1957.2	1944.9	1954.7
45°	1841.2	1836.2	1841.2	1846.1	1848.6	1853.5	1875.8	1875.8	1868.4	1848.6	1863.4
47.5°	1722.7	1710.3	1722.7	1737.5	1737.5	1744.9	1767.1	1784.4	1772.1	1747.4	1754.8
50°	1596.9	1599.3	1596.9	1606.7	1606.7	1633.8	1651.1	1668.4	1680.7	1651.1	1616.6
52.5°	1473.5	1471.0	1473.5	1480.9	1490.8	1503.1	1532.7	1550.0	1569.7	1552.4	1498.1
55°	1350.0	1355.0	1350.0	1352.5	1357.5	1364.9	1409.3	1426.5	1463.6	1441.3	1384.6
57.5°	1226.6	1219.2	1226.6	1231.6	1234.0	1241.5	1278.5	1310.6	1332.7	1335.2	1266.1
60°	1083.4	1073.6	1083.4	1105.7	1110.6	1115.6	1150.1	1179.7	1199.4	1206.9	1135.3
62.5°	957.6	940.4	957.6	972.4	982.3	994.6	1019.3	1063.7	1081.0	1083.4	982.3
65°	824.3	817.0	824.3	854.0	856.4	871.2	898.4	930.5	967.4	962.6	817.0
67.5°	703.4	703.4	703.4	723.1	738.0	745.3	779.9	794.7	841.6	846.6	681.2
70°	592.3	589.9	592.3	607.1	617.0	634.3	666.4	683.7	720.7	733.0	552.8
72.5°	486.2	483.7	486.2	498.6	508.4	523.2	550.4	570.1	602.2	617.0	429.5
75°	392.5	387.5	392.5	402.3	399.8	419.6	441.8	461.5	491.2	501.0	318.4
77.5°	301.1	301.1	301.1	311.0	311.0	330.7	340.6	365.3	382.6	397.3	234.4
80°	224.6	222.1	224.6	227.1	227.1	237.0	254.2	271.5	286.3	286.3	160.5
82.5°	157.9	153.0	157.9	157.9	157.9	162.9	172.8	177.7	187.5	195.0	101.2
85°	98.7	98.7	98.7	101.2	98.7	103.7	106.1	111.1	111.1	106.1	61.7
87.5°	64.2	61.7	64.2	61.7	61.7	59.2	59.2	59.2	56.8	54.3	34.6
90°	22.0	22.0	22.0	22.0	22.0	29.3	39.1	44.0	37.8	25.5	16.3
92.5°	88.2	70.6	88.2	105.6	110.0	156.0	217.2	247.9	217.6	157.2	111.8
95°	307.3	254.2	307.3	360.2	373.5	490.4	646.4	724.4	611.8	386.6	217.7
97.5°	736.1	635.2	736.1	837.1	862.3	936.1	1034.7	1084.0	896.3	520.8	239.2
100°	1060.7	940.4	1060.7	1180.8	1210.8	1205.4	1198.2	1194.6	986.3	569.6	257.1
102.5°	1379.8	1276.9	1379.8	1482.7	1508.5	1414.3	1288.6	1225.9	1014.6	592.0	275.1
105°	1786.6	1731.4	1786.6	1842.0	1855.9	1644.7	1363.2	1222.4	1017.8	608.6	301.7
107.5°	2053.3	2066.7	2053.3	2039.9	2036.6	1742.0	1349.3	1152.9	972.5	611.7	341.1
110°	2155.0	2212.6	2155.0	2097.3	2082.9	1753.6	1314.5	1095.0	932.3	607.0	363.0





TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2164.0	2252.5	2164.0	2075.5	2053.4	1716.4	1267.1	1042.3	897.3	607.2	389.7
115°	2106.6	2229.4	2106.6	1983.9	1953.2	1628.5	1195.6	979.2	857.0	612.8	429.6
117.5°	1984.9	2121.1	1984.9	1848.8	1814.8	1521.8	1131.1	935.8	831.9	624.3	468.5
120°	1887.0	2019.2	1887.0	1754.6	1721.5	1453.9	1096.9	918.4	823.4	633.4	491.0
122.5°	1791.4	1921.9	1791.4	1660.9	1628.3	1387.3	1065.8	905.0	818.9	646.8	517.7
125°	1655.2	1775.4	1655.2	1535.0	1505.0	1300.1	1027.1	890.6	815.3	664.7	551.8
127.5°	1532.7	1634.1	1532.7	1431.3	1406.0	1230.1	995.6	878.4	813.2	682.8	584.9
130°	1460.5	1554.2	1460.5	1366.9	1343.5	1186.9	978.2	873.9	814.5	695.8	606.8
132.5°	1395.0	1478.9	1395.0	1311.1	1290.1	1150.0	963.1	869.7	815.3	706.5	624.8
135°	1305.3	1377.6	1305.3	1233.0	1214.9	1097.5	941.1	862.8	814.5	718.1	645.7
137.5°	1233.3	1292.5	1233.3	1174.0	1159.3	1060.1	927.7	861.6	819.6	735.4	672.3
140°	1183.9	1239.2	1183.9	1128.6	1114.7	1029.0	914.8	857.6	820.4	746.0	690.2
142.5°	1142.9	1190.6	1142.9	1095.3	1083.4	1008.2	907.8	857.6	823.4	755.0	703.6
145°	1081.6	1117.6	1081.6	1045.5	1036.6	975.0	892.9	851.8	823.4	766.5	723.8
147.5°	1034.4	1064.3	1034.4	1004.6	997.1	948.7	884.1	851.8	829.0	783.5	749.3
150°	1004.8	1029.0	1004.8	980.6	974.5	933.6	879.1	851.8	832.0	792.3	762.6
152.5°	979.4	997.7	979.4	961.2	956.6	921.7	875.1	851.8	833.9	798.1	771.3
155°	950.3	962.4	950.3	938.2	935.2	907.4	870.3	851.8	838.2	810.9	790.4
157.5°	927.3	935.8	927.3	918.8	916.6	895.1	866.2	851.8	842.4	823.6	809.5
160°	913.5	918.4	913.5	908.6	907.4	888.9	864.1	851.8	844.3	829.4	818.2
162.5°	904.5	909.2	904.5	899.8	898.7	883.1	862.3	851.8	846.4	835.6	827.5
165°	891.5	896.4	891.5	886.6	885.4	874.2	859.3	851.8	849.4	844.4	840.8
167.5°	882.2	884.2	882.2	880.1	879.6	872.3	862.5	857.6	855.5	851.4	848.4
170°	879.6	879.6	879.6	879.6	879.6	872.3	862.5	857.6	857.5	857.2	857.0
172.5°	872.7	871.0	872.7	874.5	875.0	869.2	861.4	857.6	857.6	857.6	857.6
175°	868.6	868.6	868.6	868.6	868.6	865.0	860.0	857.6	858.7	861.1	862.8
177.5°	864.9	862.8	864.9	866.9	867.4	864.5	860.7	858.7	859.7	861.4	862.8
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2645.7	2631.0	2631.0	2606.3	2596.4	2589.0	2576.6	2539.6	2529.7	2519.9	2534.7
5°	2668.0	2640.8	2621.1	2576.6	2539.6	2524.8	2477.9	2389.1	2329.9	2285.4	2260.7
7.5°	2672.9	2638.4	2601.4	2532.3	2443.3	2403.9	2260.7	2097.9	2053.4	2014.0	1989.2
10°	2668.0	2628.5	2576.6	2473.0	2263.2	2194.2	2051.0	1944.9	1917.7	1910.3	1917.7
12.5°	2650.7	2613.7	2542.1	2369.4	2075.6	2028.7	1944.9	1883.1	1878.2	1890.5	1957.2
15°	2621.1	2586.5	2502.7	2231.1	1972.0	1937.4	1878.2	1856.0	1883.1	1969.5	2169.4
17.5°	2591.5	2552.0	2448.3	2095.4	1893.0	1868.4	1826.3	1870.8	2023.8	2139.8	2206.5
20°	2552.0	2505.1	2386.7	1996.7	1836.2	1814.0	1794.3	1994.2	2110.2	2152.1	2189.2
22.5°	2505.1	2455.8	2302.7	1927.6	1777.0	1759.7	1772.1	2063.3	2110.2	2139.8	2171.9
25°	2443.3	2401.4	2204.0	1873.2	1730.1	1710.3	1757.2	2055.9	2083.0	2090.5	2154.6
27.5°	2386.7	2332.3	2100.3	1823.9	1673.4	1666.0	1769.6	2023.8	2043.6	2051.0	2120.1
30°	2317.5	2236.1	1984.3	1772.1	1614.1	1611.6	1772.1	1984.3	1979.4	1999.1	2068.2
32.5°	2246.0	2092.9	1853.5	1707.9	1557.4	1554.9	1754.8	1925.1	1920.1	1947.3	1999.1
35°	2179.3	1981.9	1675.8	1633.8	1485.8	1488.2	1712.9	1856.0	1858.5	1883.1	1915.3
37.5°	2110.2	1885.6	1480.9	1552.4	1416.7	1416.7	1656.1	1791.8	1786.9	1794.3	1838.7
40°	2028.7	1735.1	1308.1	1446.3	1352.5	1345.1	1587.0	1722.7	1705.4	1703.0	1764.7
42.5°	1942.3	1569.7	1179.7	1305.6	1278.5	1268.6	1503.1	1638.8	1606.7	1614.1	1693.1
45°	1848.6	1525.2	1081.0	1103.2	1202.0	1194.6	1411.7	1542.5	1520.4	1540.1	1621.5
47.5°	1754.8	1436.4	1049.0	915.7	1120.5	1118.0	1310.6	1448.7	1436.4	1456.2	1542.5
50°	1626.5	1337.7	1046.5	784.8	1029.2	1039.1	1189.6	1357.5	1357.5	1374.8	1466.0
52.5°	1461.1	1216.7	950.3	710.8	923.1	952.7	1083.4	1278.5	1283.4	1300.7	1382.1
55°	1310.6	1090.9	881.1	654.1	797.2	861.3	979.9	1197.0	1206.9	1224.2	1298.2
57.5°	1172.4	908.2	866.3	587.4	681.2	742.9	888.5	1118.0	1122.9	1137.8	1209.3
60°	1024.2	656.5	794.7	515.8	580.0	626.9	804.5	1024.2	1041.5	1051.4	1113.1
62.5°	856.4	476.3	720.7	466.4	530.6	540.5	735.5	935.4	957.6	965.0	1002.0
65°	609.6	399.8	612.1	424.5	478.8	481.3	661.5	844.1	863.9	876.2	903.3
67.5°	412.2	325.8	466.4	385.0	439.4	441.8	589.9	738.0	765.1	774.9	792.2
70°	286.3	217.2	345.5	343.1	394.9	399.8	513.3	641.7	666.4	673.8	683.7
72.5°	209.8	175.2	286.3	308.5	348.0	353.0	434.4	533.1	557.8	565.2	570.1
75°	160.5	185.1	232.0	269.0	296.2	298.6	355.4	434.4	451.7	456.6	459.1
77.5°	128.3	172.8	170.3	217.2	241.9	237.0	278.9	335.7	350.4	350.4	350.4
80°	96.3	135.7	128.3	155.5	177.7	172.8	199.9	239.4	244.3	249.3	246.8
82.5°	71.5	86.4	86.4	98.7	118.4	113.6	133.3	155.5	155.5	155.5	160.5
85°	44.5	49.3	39.5	51.8	66.6	64.2	74.1	83.9	86.4	86.4	81.4
87.5°	27.2	22.2	12.3	19.7	29.6	29.6	34.6	37.0	34.6	34.6	34.6
90°	15.1	10.5	5.8	10.5	15.1	16.3	25.5	37.8	44.0	39.1	29.3
92.5°	102.0	62.6	23.2	62.6	102.0	111.8	157.2	217.6	247.9	217.2	156.0
95°	199.7	127.7	55.6	127.7	199.7	217.7	386.6	611.8	724.4	646.4	490.4
97.5°	223.3	159.7	96.1	159.7	223.3	239.2	520.8	896.3	1084.0	1034.7	936.1
100°	242.7	185.0	127.4	185.0	242.7	257.1	569.6	986.3	1194.6	1198.2	1205.4
102.5°	261.6	207.8	154.0	207.8	261.6	275.1	592.0	1014.6	1225.9	1288.6	1414.3
105°	290.3	244.8	199.2	244.8	290.3	301.7	608.6	1017.8	1222.4	1363.2	1644.7
107.5°	330.4	288.0	245.5	288.0	330.4	341.1	611.7	972.5	1152.9	1349.3	1742.0
110°	353.4	315.1	276.8	315.1	353.4	363.0	607.0	932.3	1095.0	1314.5	1753.6



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	380.5	344.0	307.5	344.0	380.5	389.7	607.2	897.3	1042.3	1267.1	1716.4
115°	421.2	387.5	353.8	387.5	421.2	429.6	612.8	857.0	979.2	1195.6	1628.5
117.5°	460.8	430.2	399.6	430.2	460.8	468.5	624.3	831.9	935.8	1131.1	1521.8
120°	483.8	455.0	426.2	455.0	483.8	491.0	633.4	823.4	918.4	1096.9	1453.9
122.5°	510.4	481.4	452.2	481.4	510.4	517.7	646.8	818.9	905.0	1065.8	1387.3
125°	545.2	518.7	492.2	518.7	545.2	551.8	664.7	815.3	890.6	1027.1	1300.1
127.5°	578.1	551.4	524.6	551.4	578.1	584.9	682.8	813.2	878.4	995.6	1230.1
130°	599.6	570.8	542.0	570.8	599.6	606.8	695.8	814.5	873.9	978.2	1186.9
132.5°	617.7	588.8	559.9	588.8	617.7	624.8	706.5	815.3	869.7	963.1	1150.0
135°	639.1	612.8	586.6	612.8	639.1	645.7	718.1	814.5	862.8	941.1	1097.5
137.5°	665.8	639.8	613.8	639.8	665.8	672.3	735.4	819.6	861.6	927.7	1060.1
140°	684.2	660.3	636.4	660.3	684.2	690.2	746.0	820.4	857.6	914.8	1029.0
142.5°	698.1	675.9	653.8	675.9	698.1	703.6	755.0	823.4	857.6	907.8	1008.2
145°	719.0	699.8	680.4	699.8	719.0	723.8	766.5	823.4	851.8	892.9	975.0
147.5°	744.7	725.8	707.0	725.8	744.7	749.3	783.5	829.0	851.8	884.1	948.7
150°	758.4	741.4	724.4	741.4	758.4	762.6	792.3	832.0	851.8	879.1	933.6
152.5°	768.1	755.2	742.3	755.2	768.1	771.3	798.1	833.9	851.8	875.1	921.7
155°	788.0	778.5	769.0	778.5	788.0	790.4	810.9	838.2	851.8	870.3	907.4
157.5°	807.2	797.9	788.7	797.9	807.2	809.5	823.6	842.4	851.8	866.2	895.1
160°	816.4	809.2	802.0	809.2	816.4	818.2	829.4	844.3	851.8	864.1	888.9
162.5°	826.1	820.7	815.3	820.7	826.1	827.5	835.6	846.4	851.8	862.3	883.1
165°	839.6	834.6	829.8	834.6	839.6	840.8	844.4	849.4	851.8	859.3	874.2
167.5°	847.8	845.5	843.1	845.5	847.8	848.4	851.4	855.5	857.6	862.5	872.3
170°	856.5	854.1	851.8	854.1	856.5	857.0	857.2	857.5	857.6	862.5	872.3
172.5°	857.5	856.9	856.5	856.9	857.5	857.6	857.6	857.6	857.6	861.4	869.2
175°	862.8	862.8	862.8	862.8	862.8	862.8	861.1	858.7	857.6	860.0	865.0
177.5°	862.8	862.8	862.8	862.8	862.8	862.8	861.4	859.7	858.7	860.7	864.5
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P934908  
 CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2517.4	2510.0	2519.9	2492.8	2519.9	2510.0	2517.4	2534.7	2519.9	2529.7	2539.6
5°	2208.9	2196.6	2157.1	2125.0	2157.1	2196.6	2208.9	2260.7	2285.4	2329.9	2389.1
7.5°	1974.5	1964.6	1954.7	1935.0	1954.7	1964.6	1974.5	1989.2	2014.0	2053.4	2097.9
10°	1922.6	1925.1	1939.9	1937.4	1939.9	1925.1	1922.6	1917.7	1910.3	1917.7	1944.9
12.5°	2055.9	2078.2	2159.6	2154.6	2159.6	2078.2	2055.9	1957.2	1890.5	1878.2	1883.1
15°	2208.9	2216.3	2233.6	2236.1	2233.6	2216.3	2208.9	2169.4	1969.5	1883.1	1856.0
17.5°	2223.8	2226.2	2238.5	2238.5	2238.5	2226.2	2223.8	2206.5	2139.8	2023.8	1870.8
20°	2211.4	2216.3	2241.0	2246.0	2241.0	2216.3	2211.4	2189.2	2152.1	2110.2	1994.2
22.5°	2206.5	2216.3	2236.1	2233.6	2236.1	2216.3	2206.5	2171.9	2139.8	2110.2	2063.3
25°	2181.7	2181.7	2184.3	2186.7	2184.3	2181.7	2181.7	2154.6	2090.5	2083.0	2055.9
27.5°	2130.0	2134.8	2149.7	2147.3	2149.7	2134.8	2130.0	2120.1	2051.0	2043.6	2023.8
30°	2083.0	2078.2	2065.7	2055.9	2065.7	2078.2	2083.0	2068.2	1999.1	1979.4	1984.3
32.5°	2004.1	1991.8	1979.4	1972.0	1979.4	1991.8	2004.1	1999.1	1947.3	1920.1	1925.1
35°	1910.3	1912.7	1910.3	1902.8	1910.3	1912.7	1910.3	1915.3	1883.1	1858.5	1856.0
37.5°	1843.6	1848.6	1846.1	1836.2	1846.1	1848.6	1843.6	1838.7	1794.3	1786.9	1791.8
40°	1774.5	1777.0	1774.5	1767.1	1774.5	1777.0	1774.5	1764.7	1703.0	1705.4	1722.7
42.5°	1707.9	1705.4	1698.0	1693.1	1698.0	1705.4	1707.9	1693.1	1614.1	1606.7	1638.8
45°	1631.4	1633.8	1619.1	1611.6	1619.1	1633.8	1631.4	1621.5	1540.1	1520.4	1542.5
47.5°	1554.9	1554.9	1542.5	1535.1	1542.5	1554.9	1554.9	1542.5	1456.2	1436.4	1448.7
50°	1473.5	1471.0	1453.7	1451.2	1453.7	1471.0	1473.5	1466.0	1374.8	1357.5	1357.5
52.5°	1379.6	1379.6	1382.1	1387.1	1382.1	1379.6	1379.6	1382.1	1300.7	1283.4	1278.5
55°	1298.2	1300.7	1318.0	1322.9	1318.0	1300.7	1298.2	1298.2	1224.2	1206.9	1197.0
57.5°	1214.3	1214.3	1226.6	1226.6	1226.6	1214.3	1214.3	1209.3	1137.8	1122.9	1118.0
60°	1118.0	1122.9	1132.8	1130.4	1132.8	1122.9	1118.0	1113.1	1051.4	1041.5	1024.2
62.5°	1016.8	1021.8	1024.2	1019.3	1024.2	1021.8	1016.8	1002.0	965.0	957.6	935.4
65°	910.7	915.7	918.1	913.2	918.1	915.7	910.7	903.3	876.2	863.9	844.1
67.5°	802.1	799.7	797.2	807.1	797.2	799.7	802.1	792.2	774.9	765.1	738.0
70°	691.1	691.1	688.5	693.5	688.5	691.1	691.1	683.7	673.8	666.4	641.7
72.5°	572.6	570.1	580.0	572.6	580.0	570.1	572.6	570.1	565.2	557.8	533.1
75°	456.6	461.5	456.6	464.0	456.6	461.5	456.6	459.1	456.6	451.7	434.4
77.5°	348.0	353.0	348.0	348.0	348.0	353.0	348.0	350.4	350.4	350.4	335.7
80°	246.8	244.3	244.3	241.9	244.3	244.3	246.8	246.8	249.3	244.3	239.4
82.5°	157.9	155.5	155.5	160.5	155.5	155.5	157.9	160.5	155.5	155.5	155.5
85°	86.4	88.8	83.9	83.9	83.9	88.8	86.4	81.4	86.4	86.4	83.9
87.5°	32.1	29.6	29.6	29.6	29.6	29.6	32.1	34.6	34.6	34.6	37.0
90°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	29.3	39.1	44.0	37.8
92.5°	110.0	105.6	88.2	70.6	88.2	105.6	110.0	156.0	217.2	247.9	217.6
95°	373.5	360.2	307.3	254.2	307.3	360.2	373.5	490.4	646.4	724.4	611.8
97.5°	862.3	837.1	736.1	635.2	736.1	837.1	862.3	936.1	1034.7	1084.0	896.3
100°	1210.8	1180.8	1060.7	940.4	1060.7	1180.8	1210.8	1205.4	1198.2	1194.6	986.3
102.5°	1508.5	1482.7	1379.8	1276.9	1379.8	1482.7	1508.5	1414.3	1288.6	1225.9	1014.6
105°	1855.9	1842.0	1786.6	1731.4	1786.6	1842.0	1855.9	1644.7	1363.2	1222.4	1017.8
107.5°	2036.6	2039.9	2053.3	2066.7	2053.3	2039.9	2036.6	1742.0	1349.3	1152.9	972.5
110°	2082.9	2097.3	2155.0	2212.6	2155.0	2097.3	2082.9	1753.6	1314.5	1095.0	932.3



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2053.4	2075.5	2164.0	2252.5	2164.0	2075.5	2053.4	1716.4	1267.1	1042.3	897.3
115°	1953.2	1983.9	2106.6	2229.4	2106.6	1983.9	1953.2	1628.5	1195.6	979.2	857.0
117.5°	1814.8	1848.8	1984.9	2121.1	1984.9	1848.8	1814.8	1521.8	1131.1	935.8	831.9
120°	1721.5	1754.6	1887.0	2019.2	1887.0	1754.6	1721.5	1453.9	1096.9	918.4	823.4
122.5°	1628.3	1660.9	1791.4	1921.9	1791.4	1660.9	1628.3	1387.3	1065.8	905.0	818.9
125°	1505.0	1535.0	1655.2	1775.4	1655.2	1535.0	1505.0	1300.1	1027.1	890.6	815.3
127.5°	1406.0	1431.3	1532.7	1634.1	1532.7	1431.3	1406.0	1230.1	995.6	878.4	813.2
130°	1343.5	1366.9	1460.5	1554.2	1460.5	1366.9	1343.5	1186.9	978.2	873.9	814.5
132.5°	1290.1	1311.1	1395.0	1478.9	1395.0	1311.1	1290.1	1150.0	963.1	869.7	815.3
135°	1214.9	1233.0	1305.3	1377.6	1305.3	1233.0	1214.9	1097.5	941.1	862.8	814.5
137.5°	1159.3	1174.0	1233.3	1292.5	1233.3	1174.0	1159.3	1060.1	927.7	861.6	819.6
140°	1114.7	1128.6	1183.9	1239.2	1183.9	1128.6	1114.7	1029.0	914.8	857.6	820.4
142.5°	1083.4	1095.3	1142.9	1190.6	1142.9	1095.3	1083.4	1008.2	907.8	857.6	823.4
145°	1036.6	1045.5	1081.6	1117.6	1081.6	1045.5	1036.6	975.0	892.9	851.8	823.4
147.5°	997.1	1004.6	1034.4	1064.3	1034.4	1004.6	997.1	948.7	884.1	851.8	829.0
150°	974.5	980.6	1004.8	1029.0	1004.8	980.6	974.5	933.6	879.1	851.8	832.0
152.5°	956.6	961.2	979.4	997.7	979.4	961.2	956.6	921.7	875.1	851.8	833.9
155°	935.2	938.2	950.3	962.4	950.3	938.2	935.2	907.4	870.3	851.8	838.2
157.5°	916.6	918.8	927.3	935.8	927.3	918.8	916.6	895.1	866.2	851.8	842.4
160°	907.4	908.6	913.5	918.4	913.5	908.6	907.4	888.9	864.1	851.8	844.3
162.5°	898.7	899.8	904.5	909.2	904.5	899.8	898.7	883.1	862.3	851.8	846.4
165°	885.4	886.6	891.5	896.4	891.5	886.6	885.4	874.2	859.3	851.8	849.4
167.5°	879.6	880.1	882.2	884.2	882.2	880.1	879.6	872.3	862.5	857.6	855.5
170°	879.6	879.6	879.6	879.6	879.6	879.6	879.6	872.3	862.5	857.6	857.5
172.5°	875.0	874.5	872.7	871.0	872.7	874.5	875.0	869.2	861.4	857.6	857.6
175°	868.6	868.6	868.6	868.6	868.6	868.6	868.6	865.0	860.0	857.6	858.7
177.5°	867.4	866.9	864.9	862.8	864.9	866.9	867.4	864.5	860.7	858.7	859.7
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2576.6	2589.0	2596.4	2606.3	2631.0
5°	2477.9	2524.8	2539.6	2576.6	2621.1
7.5°	2260.7	2403.9	2443.3	2532.3	2601.4
10°	2051.0	2194.2	2263.2	2473.0	2576.6
12.5°	1944.9	2028.7	2075.6	2369.4	2542.1
15°	1878.2	1937.4	1972.0	2231.1	2502.7
17.5°	1826.3	1868.4	1893.0	2095.4	2448.3
20°	1794.3	1814.0	1836.2	1996.7	2386.7
22.5°	1772.1	1759.7	1777.0	1927.6	2302.7
25°	1757.2	1710.3	1730.1	1873.2	2204.0
27.5°	1769.6	1666.0	1673.4	1823.9	2100.3
30°	1772.1	1611.6	1614.1	1772.1	1984.3
32.5°	1754.8	1554.9	1557.4	1707.9	1853.5
35°	1712.9	1488.2	1485.8	1633.8	1675.8
37.5°	1656.1	1416.7	1416.7	1552.4	1480.9
40°	1587.0	1345.1	1352.5	1446.3	1308.1
42.5°	1503.1	1268.6	1278.5	1305.6	1179.7
45°	1411.7	1194.6	1202.0	1103.2	1081.0
47.5°	1310.6	1118.0	1120.5	915.7	1049.0
50°	1189.6	1039.1	1029.2	784.8	1046.5
52.5°	1083.4	952.7	923.1	710.8	950.3
55°	979.9	861.3	797.2	654.1	881.1
57.5°	888.5	742.9	681.2	587.4	866.3
60°	804.5	626.9	580.0	515.8	794.7
62.5°	735.5	540.5	530.6	466.4	720.7
65°	661.5	481.3	478.8	424.5	612.1
67.5°	589.9	441.8	439.4	385.0	466.4
70°	513.3	399.8	394.9	343.1	345.5
72.5°	434.4	353.0	348.0	308.5	286.3
75°	355.4	298.6	296.2	269.0	232.0
77.5°	278.9	237.0	241.9	217.2	170.3
80°	199.9	172.8	177.7	155.5	128.3
82.5°	133.3	113.6	118.4	98.7	86.4
85°	74.1	64.2	66.6	51.8	39.5
87.5°	34.6	29.6	29.6	19.7	12.3
90°	25.5	16.3	15.1	10.5	5.8
92.5°	157.2	111.8	102.0	62.6	23.2
95°	386.6	217.7	199.7	127.7	55.6
97.5°	520.8	239.2	223.3	159.7	96.1
100°	569.6	257.1	242.7	185.0	127.4
102.5°	592.0	275.1	261.6	207.8	154.0
105°	608.6	301.7	290.3	244.8	199.2
107.5°	611.7	341.1	330.4	288.0	245.5
110°	607.0	363.0	353.4	315.1	276.8



TEST NUMBER: P934908

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	607.2	389.7	380.5	344.0	307.5
115°	612.8	429.6	421.2	387.5	353.8
117.5°	624.3	468.5	460.8	430.2	399.6
120°	633.4	491.0	483.8	455.0	426.2
122.5°	646.8	517.7	510.4	481.4	452.2
125°	664.7	551.8	545.2	518.7	492.2
127.5°	682.8	584.9	578.1	551.4	524.6
130°	695.8	606.8	599.6	570.8	542.0
132.5°	706.5	624.8	617.7	588.8	559.9
135°	718.1	645.7	639.1	612.8	586.6
137.5°	735.4	672.3	665.8	639.8	613.8
140°	746.0	690.2	684.2	660.3	636.4
142.5°	755.0	703.6	698.1	675.9	653.8
145°	766.5	723.8	719.0	699.8	680.4
147.5°	783.5	749.3	744.7	725.8	707.0
150°	792.3	762.6	758.4	741.4	724.4
152.5°	798.1	771.3	768.1	755.2	742.3
155°	810.9	790.4	788.0	778.5	769.0
157.5°	823.6	809.5	807.2	797.9	788.7
160°	829.4	818.2	816.4	809.2	802.0
162.5°	835.6	827.5	826.1	820.7	815.3
165°	844.4	840.8	839.6	834.6	829.8
167.5°	851.4	848.4	847.8	845.5	843.1
170°	857.2	857.0	856.5	854.1	851.8
172.5°	857.6	857.6	857.5	856.9	856.5
175°	861.1	862.8	862.8	862.8	862.8
177.5°	861.4	862.8	862.8	862.8	862.8
180°	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P934908  
 CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-8

**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	13.90	14.80	14.81	15.74	16.94	16.74	17.64	17.65	18.58	19.78
	3H	14.38	15.19	15.31	16.13	17.36	18.09	18.90	19.01	19.84	21.07
	4H	14.57	15.34	15.51	16.29	17.52	18.54	19.30	19.48	20.25	21.49
	6H	14.69	15.40	15.65	16.35	17.60	18.82	19.53	19.78	20.49	21.73
	8H	14.70	15.37	15.66	16.34	17.59	18.90	19.57	19.86	20.55	21.79
	12H	14.67	15.31	15.63	16.27	17.55	18.94	19.58	19.91	20.55	21.82
4H	2H	14.94	15.71	15.89	16.65	17.89	17.15	17.92	18.10	18.87	20.10
	3H	15.97	16.61	16.93	17.59	18.84	18.66	19.30	19.62	20.28	21.53
	4H	16.25	16.83	17.22	17.80	19.08	19.19	19.78	20.16	20.75	22.02
	6H	16.38	16.88	17.36	17.87	19.15	19.56	20.07	20.54	21.06	22.34
	8H	16.38	16.85	17.36	17.84	19.13	19.67	20.14	20.65	21.13	22.42
	12H	16.35	16.78	17.35	17.78	19.07	19.73	20.16	20.73	21.16	22.46
8H	4H	16.71	17.18	17.69	18.17	19.45	19.32	19.79	20.30	20.78	22.07
	6H	16.97	17.36	17.98	18.39	19.67	19.76	20.15	20.77	21.18	22.47
	8H	17.01	17.36	18.03	18.37	19.68	19.92	20.26	20.93	21.28	22.58
	12H	17.00	17.30	18.02	18.31	19.66	20.02	20.32	21.04	21.33	22.68
12H	4H	16.71	17.14	17.72	18.14	19.44	19.29	19.71	20.29	20.72	22.01
	6H	17.03	17.37	18.05	18.39	19.70	19.76	20.10	20.78	21.12	22.43
	8H	17.10	17.40	18.12	18.41	19.76	19.92	20.23	20.94	21.24	22.59