

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: P935719

Luminaire Tested: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

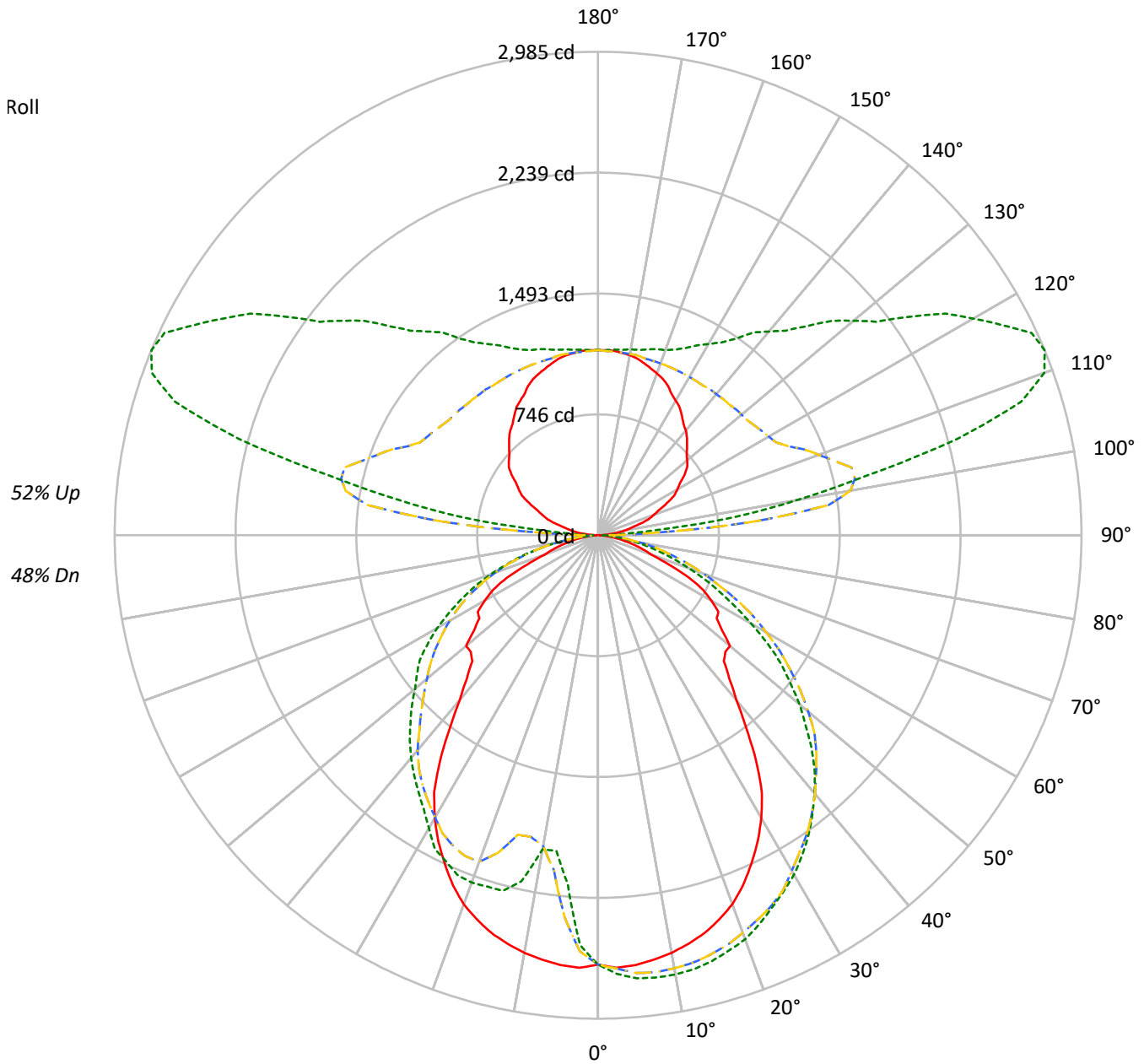
Test Method: LM-79-2019  
Report Number: P935719  
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14288.4 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 112.8  
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: P935719  
CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	16397	16397	16397	16397
5°	16514	16552	16514	13015
10°	16397	16305	16397	11657
15°	16213	15952	16213	13319
20°	15867	15533	15867	13348
25°	15167	14923	15167	13065
30°	14264	14416	14264	12444
35°	12710	13775	12710	11761
40°	10585	13021	10585	11246
45°	9452	12137	9452	10652
50°	10034	11084	10034	10057
55°	9430	9949	9430	9713
60°	9710	8450	9710	8897
65°	8789	6984	8789	7807
70°	6071	5566	6071	6544
75°	5304	4115	5304	4928
80°	4244	2720	4244	2961
85°	2391	1441	2391	1225

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14495 cd/sqm



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.3	1.7
10°-20°	679.3	4.8
20°-30°	1050.1	7.3
30°-40°	1253.6	8.8
40°-50°	1261.0	8.8
50°-60°	1097.2	7.7
60°-70°	777.9	5.4
70°-80°	411.6	2.9
80°-90°	106.9	0.7
90°-100°	557.3	3.9
100°-110°	1465.2	10.3
110°-120°	1519.2	10.6
120°-130°	1218.6	8.5
130°-140°	956.2	6.7
140°-150°	733.9	5.1
150°-160°	528.5	3.7
160°-170°	323.4	2.3
170°-180°	109.3	0.8
0°-30°	1968.7	13.8
0°-40°	3222.3	22.6
0°-60°	5580.5	39.1
0°-90°	6876.9	48.1
90°-120°	3541.7	24.8
90°-150°	6450.4	45.1
90°-180°	7412.0	51.9
0°-180°	14288.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2651	2651	2651	2651	2651	
5°	2663	2746	2663	2159	2663	253
15°	2543	2721	2543	2272	2543	715
25°	2239	2538	2239	2222	2239	1028
35°	1703	2264	1703	1933	1703	1053
45°	1098	1866	1098	1638	1098	880
55°	895	1377	895	1344	895	823
65°	622	830	622	928	622	594
75°	236	394	236	472	236	248
85°	40	100	40	85	40	54
90°	8	29	8	29	8	8
95°	74	337	74	337	74	82
105°	264	2294	264	2294	264	280
115°	469	2954	469	2954	469	463
125°	652	2353	652	2353	652	579
135°	777	1825	777	1825	777	601
145°	902	1481	902	1481	902	565
155°	1019	1275	1019	1275	1019	468
165°	1100	1188	1100	1188	1100	310
175°	1143	1151	1143	1151	1143	109
180°	1143	1143	1143	1143	1143	



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2673.1	2673.1	2688.2	2693.2	2693.2	2685.7	2678.2	2685.7	2708.3	2715.8	2713.2
5°	2663.2	2683.2	2710.8	2715.8	2720.9	2718.3	2713.2	2718.3	2743.4	2748.4	2750.9
7.5°	2643.1	2680.6	2715.8	2723.3	2730.8	2723.3	2720.9	2725.8	2750.9	2755.9	2755.9
10°	2618.0	2670.7	2710.8	2715.8	2723.3	2715.8	2715.8	2725.8	2750.9	2755.9	2758.4
12.5°	2582.9	2655.6	2693.2	2698.2	2708.3	2705.7	2703.3	2713.2	2738.3	2743.4	2743.4
15°	2542.8	2628.0	2663.2	2668.2	2685.7	2680.6	2680.6	2690.7	2718.3	2725.8	2723.3
17.5°	2487.6	2592.9	2633.0	2640.5	2653.1	2650.6	2653.1	2663.2	2688.2	2693.2	2695.8
20°	2424.9	2545.3	2592.9	2600.4	2613.0	2613.0	2613.0	2625.5	2650.6	2660.6	2660.6
22.5°	2339.7	2495.1	2545.3	2550.3	2565.3	2565.3	2570.4	2587.9	2610.5	2613.0	2613.0
25°	2239.3	2440.0	2482.5	2497.7	2512.7	2520.2	2527.7	2537.8	2545.3	2542.8	2545.3
27.5°	2134.0	2369.7	2424.9	2434.9	2455.0	2462.5	2472.6	2475.0	2477.6	2485.1	2480.1
30°	2016.1	2271.9	2354.7	2364.7	2397.3	2402.3	2392.3	2397.3	2409.8	2414.9	2419.9
32.5°	1883.2	2126.5	2282.0	2304.5	2334.6	2319.6	2317.1	2324.6	2344.6	2344.6	2349.7
35°	1702.7	2013.6	2214.3	2234.4	2256.9	2239.3	2249.4	2251.8	2264.4	2271.9	2269.4
37.5°	1504.6	1915.8	2144.1	2159.1	2176.7	2154.0	2169.2	2176.7	2186.6	2181.7	2181.7
40°	1329.1	1762.9	2061.3	2071.3	2086.4	2068.8	2083.9	2088.9	2093.9	2088.9	2086.4
42.5°	1198.6	1594.8	1973.5	1986.1	1976.0	1988.5	1993.6	2003.7	1996.1	1986.1	1986.1
45°	1098.4	1549.8	1878.2	1893.3	1878.2	1898.3	1905.9	1905.9	1883.2	1878.2	1875.7
47.5°	1065.8	1459.5	1782.9	1782.9	1775.4	1800.5	1813.1	1795.5	1772.9	1765.4	1765.4
50°	1063.3	1359.2	1652.5	1642.6	1677.6	1707.8	1695.2	1677.6	1660.0	1632.5	1632.5
52.5°	965.5	1236.3	1484.6	1522.1	1577.3	1594.8	1574.8	1557.3	1527.2	1514.6	1504.6
55°	895.2	1108.3	1331.5	1406.8	1464.5	1487.0	1449.4	1431.9	1386.8	1379.2	1374.2
57.5°	880.2	922.8	1191.1	1286.5	1356.6	1354.2	1331.5	1298.9	1261.4	1253.9	1251.3
60°	807.5	667.0	1040.7	1153.5	1226.2	1218.7	1198.6	1168.6	1133.4	1128.5	1123.5
62.5°	732.2	484.0	870.1	998.1	1100.8	1098.4	1080.8	1035.6	1010.6	998.1	988.0
65°	621.9	406.3	619.4	830.0	978.0	983.0	945.4	912.8	885.2	870.1	867.7
67.5°	473.9	331.0	418.8	692.1	860.2	855.1	807.5	792.4	757.3	749.8	734.8
70°	351.0	220.7	290.9	561.7	744.8	732.2	694.7	677.1	644.5	626.9	616.9
72.5°	290.9	178.0	213.1	436.3	626.9	611.9	579.3	559.2	531.6	516.6	506.5
75°	235.7	188.1	163.0	323.5	509.0	499.0	468.9	448.8	426.3	406.3	408.7
77.5°	173.0	175.6	130.4	238.2	403.7	388.7	371.1	346.1	336.0	316.0	316.0
80°	130.4	137.9	97.8	163.0	290.9	290.9	275.8	258.3	240.8	230.7	230.7
82.5°	87.7	87.7	72.7	102.9	198.1	190.6	180.5	175.6	165.5	160.5	160.5
85°	40.1	50.2	45.2	62.7	107.8	112.8	112.8	107.8	105.3	100.3	102.9
87.5°	12.5	22.5	27.6	35.1	55.1	57.7	60.2	60.2	60.2	62.7	62.7
90°	7.7	13.8	20.0	21.4	33.7	50.1	58.3	51.8	38.8	29.1	29.1
92.5°	30.7	82.9	135.1	148.1	208.2	288.3	328.4	287.8	206.7	145.8	140.0
95°	73.7	169.1	264.6	288.5	512.3	810.8	959.9	856.6	649.9	494.9	477.3
97.5°	127.4	211.5	295.8	316.9	690.0	1187.7	1436.5	1371.1	1240.5	1142.5	1109.1
100°	168.8	245.2	321.6	340.7	754.7	1306.9	1583.0	1587.7	1597.3	1604.4	1564.6
102.5°	204.1	275.4	346.7	364.5	784.5	1344.4	1624.4	1707.6	1874.0	1998.8	1964.7
105°	264.0	324.4	384.6	399.7	806.4	1348.7	1619.8	1806.4	2179.4	2459.2	2440.9
107.5°	325.3	381.6	437.9	451.9	810.6	1288.6	1527.7	1788.0	2308.4	2698.6	2703.1
110°	366.7	417.5	468.3	481.1	804.3	1235.4	1451.0	1741.8	2323.7	2760.1	2779.1



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	407.5	455.9	504.3	516.4	804.6	1189.0	1381.1	1678.8	2274.3	2720.9	2750.2
115°	468.8	513.5	558.2	569.4	812.1	1135.7	1297.5	1584.4	2158.0	2588.2	2628.9
117.5°	529.5	570.1	610.6	620.8	827.2	1102.3	1239.9	1498.8	2016.5	2404.8	2449.8
120°	564.7	603.0	641.1	650.7	839.4	1091.0	1216.9	1453.4	1926.4	2281.2	2325.1
122.5°	599.3	637.9	676.4	686.0	857.1	1085.2	1199.3	1412.3	1838.3	2157.7	2200.9
125°	652.2	687.4	722.4	731.2	880.9	1080.4	1180.2	1361.1	1722.9	1994.3	2034.1
127.5°	695.2	730.6	766.1	775.0	904.7	1077.6	1164.1	1319.4	1630.1	1863.1	1896.7
130°	718.2	756.4	794.5	804.1	922.0	1079.2	1157.8	1296.2	1572.7	1780.2	1811.2
132.5°	742.0	780.2	818.4	827.9	936.1	1080.4	1152.5	1276.3	1523.9	1709.5	1737.3
135°	777.3	812.0	846.8	855.5	951.4	1079.4	1143.3	1247.0	1454.3	1609.8	1633.8
137.5°	813.3	847.8	882.3	890.9	974.5	1086.0	1141.7	1229.4	1404.6	1536.1	1555.7
140°	843.3	875.0	906.7	914.6	988.5	1087.1	1136.4	1212.1	1363.5	1477.1	1495.4
142.5°	866.3	895.6	925.0	932.3	1000.4	1091.0	1136.4	1202.9	1335.9	1435.7	1451.5
145°	901.6	927.1	952.7	959.2	1015.7	1091.0	1128.7	1183.1	1291.9	1373.5	1385.5
147.5°	936.9	961.8	986.7	992.9	1038.2	1098.6	1128.7	1171.5	1257.1	1321.4	1331.2
150°	959.9	982.5	1004.9	1010.5	1049.9	1102.4	1128.7	1164.9	1237.2	1291.4	1299.4
152.5°	983.7	1000.7	1017.8	1022.1	1057.7	1105.0	1128.7	1159.5	1221.3	1267.6	1273.6
155°	1019.0	1031.7	1044.2	1047.4	1074.4	1110.6	1128.7	1153.3	1202.4	1239.2	1243.3
157.5°	1045.1	1057.4	1069.6	1072.7	1091.3	1116.2	1128.7	1147.8	1186.0	1214.6	1217.4
160°	1062.7	1072.3	1081.9	1084.2	1099.1	1118.8	1128.7	1145.1	1177.8	1202.4	1204.0
162.5°	1080.4	1087.5	1094.7	1096.5	1107.3	1121.6	1128.7	1142.5	1170.1	1190.8	1192.4
165°	1099.5	1106.1	1112.6	1114.2	1119.0	1125.4	1128.7	1138.6	1158.4	1173.2	1174.8
167.5°	1117.2	1120.3	1123.4	1124.1	1128.2	1133.6	1136.4	1142.9	1155.9	1165.5	1166.2
170°	1128.7	1131.8	1134.8	1135.6	1135.9	1136.2	1136.4	1142.9	1155.9	1165.5	1165.5
172.5°	1134.8	1135.5	1136.2	1136.4	1136.4	1136.4	1136.4	1141.5	1151.7	1159.4	1158.8
175°	1143.3	1143.3	1143.3	1143.3	1141.0	1138.0	1136.4	1139.7	1146.2	1151.0	1151.0
177.5°	1143.3	1143.3	1143.3	1143.3	1141.5	1139.1	1137.9	1140.4	1145.6	1149.4	1148.7
180°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2718.3	2710.8	2718.3	2713.2	2715.8	2708.3	2685.7	2678.2	2685.7	2693.2	2693.2
5°	2750.9	2745.8	2750.9	2750.9	2748.4	2743.4	2718.3	2713.2	2718.3	2720.9	2715.8
7.5°	2761.0	2753.5	2761.0	2755.9	2755.9	2750.9	2725.8	2720.9	2723.3	2730.8	2723.3
10°	2761.0	2753.5	2761.0	2758.4	2755.9	2750.9	2725.8	2715.8	2715.8	2723.3	2715.8
12.5°	2748.4	2743.4	2748.4	2743.4	2743.4	2738.3	2713.2	2703.3	2705.7	2708.3	2698.2
15°	2728.4	2720.9	2728.4	2723.3	2725.8	2718.3	2690.7	2680.6	2680.6	2685.7	2668.2
17.5°	2698.2	2688.2	2698.2	2695.8	2693.2	2688.2	2663.2	2653.1	2650.6	2653.1	2640.5
20°	2663.2	2655.6	2663.2	2660.6	2660.6	2650.6	2625.5	2613.0	2613.0	2613.0	2600.4
22.5°	2607.9	2600.4	2607.9	2613.0	2613.0	2610.5	2587.9	2570.4	2565.3	2565.3	2550.3
25°	2545.3	2537.8	2545.3	2545.3	2542.8	2545.3	2537.8	2527.7	2520.2	2512.7	2497.7
27.5°	2485.1	2480.1	2485.1	2480.1	2485.1	2477.6	2475.0	2472.6	2462.5	2455.0	2434.9
30°	2424.9	2419.9	2424.9	2419.9	2414.9	2409.8	2397.3	2392.3	2402.3	2397.3	2364.7
32.5°	2349.7	2344.6	2349.7	2349.7	2344.6	2344.6	2324.6	2317.1	2319.6	2334.6	2304.5
35°	2271.9	2264.4	2271.9	2269.4	2271.9	2264.4	2251.8	2249.4	2239.3	2256.9	2234.4
37.5°	2181.7	2174.1	2181.7	2181.7	2181.7	2186.6	2176.7	2169.2	2154.0	2176.7	2159.1
40°	2088.9	2078.9	2088.9	2086.4	2088.9	2093.9	2088.9	2083.9	2068.8	2086.4	2071.3
42.5°	1983.6	1981.0	1983.6	1986.1	1986.1	1996.1	2003.7	1993.6	1988.5	1976.0	1986.1
45°	1870.7	1865.7	1870.7	1875.7	1878.2	1883.2	1905.9	1905.9	1898.3	1878.2	1893.3
47.5°	1750.3	1737.8	1750.3	1765.4	1765.4	1772.9	1795.5	1813.1	1800.5	1775.4	1782.9
50°	1622.5	1625.0	1622.5	1632.5	1632.5	1660.0	1677.6	1695.2	1707.8	1677.6	1642.6
52.5°	1497.1	1494.5	1497.1	1504.6	1514.6	1527.2	1557.3	1574.8	1594.8	1577.3	1522.1
55°	1371.6	1376.7	1371.6	1374.2	1379.2	1386.8	1431.9	1449.4	1487.0	1464.5	1406.8
57.5°	1246.3	1238.8	1246.3	1251.3	1253.9	1261.4	1298.9	1331.5	1354.2	1356.6	1286.5
60°	1100.8	1090.9	1100.8	1123.5	1128.5	1133.4	1168.6	1198.6	1218.7	1226.2	1153.5
62.5°	973.0	955.4	973.0	988.0	998.1	1010.6	1035.6	1080.8	1098.4	1100.8	998.1
65°	837.5	830.0	837.5	867.7	870.1	885.2	912.8	945.4	983.0	978.0	830.0
67.5°	714.7	714.7	714.7	734.8	749.8	757.3	792.4	807.5	855.1	860.2	692.1
70°	601.8	599.3	601.8	616.9	626.9	644.5	677.1	694.7	732.2	744.8	561.7
72.5°	494.0	491.5	494.0	506.5	516.6	531.6	559.2	579.3	611.9	626.9	436.3
75°	398.8	393.7	398.8	408.7	406.3	426.3	448.8	468.9	499.0	509.0	323.5
77.5°	306.0	306.0	306.0	316.0	316.0	336.0	346.1	371.1	388.7	403.7	238.2
80°	228.2	225.7	228.2	230.7	230.7	240.8	258.3	275.8	290.9	290.9	163.0
82.5°	160.5	155.5	160.5	160.5	160.5	165.5	175.6	180.5	190.6	198.1	102.9
85°	100.3	100.3	100.3	102.9	100.3	105.3	107.8	112.8	112.8	107.8	62.7
87.5°	65.2	62.7	65.2	62.7	62.7	60.2	60.2	60.2	57.7	55.1	35.1
90°	29.1	29.1	29.1	29.1	29.1	38.8	51.8	58.3	50.1	33.7	21.4
92.5°	116.8	93.6	116.8	140.0	145.8	206.7	287.8	328.4	288.3	208.2	148.1
95°	407.1	336.8	407.1	477.3	494.9	649.9	856.6	959.9	810.8	512.3	288.5
97.5°	975.5	841.8	975.5	1109.1	1142.5	1240.5	1371.1	1436.5	1187.7	690.0	316.9
100°	1405.4	1246.2	1405.4	1564.6	1604.4	1597.3	1587.7	1583.0	1306.9	754.7	340.7
102.5°	1828.3	1692.0	1828.3	1964.7	1998.8	1874.0	1707.6	1624.4	1344.4	784.5	364.5
105°	2367.5	2294.2	2367.5	2440.9	2459.2	2179.4	1806.4	1619.8	1348.7	806.4	399.7
107.5°	2720.8	2738.5	2720.8	2703.1	2698.6	2308.4	1788.0	1527.7	1288.6	810.6	451.9
110°	2855.5	2931.9	2855.5	2779.1	2760.1	2323.7	1741.8	1451.0	1235.4	804.3	481.1





TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2867.5	2984.8	2867.5	2750.2	2720.9	2274.3	1678.8	1381.1	1189.0	804.6	516.4
115°	2791.5	2954.1	2791.5	2628.9	2588.2	2158.0	1584.4	1297.5	1135.7	812.1	569.4
117.5°	2630.3	2810.7	2630.3	2449.8	2404.8	2016.5	1498.8	1239.9	1102.3	827.2	620.8
120°	2500.3	2675.6	2500.3	2325.1	2281.2	1926.4	1453.4	1216.9	1091.0	839.4	650.7
122.5°	2373.8	2546.7	2373.8	2200.9	2157.7	1838.3	1412.3	1199.3	1085.2	857.1	686.0
125°	2193.4	2352.6	2193.4	2034.1	1994.3	1722.9	1361.1	1180.2	1080.4	880.9	731.2
127.5°	2031.0	2165.4	2031.0	1896.7	1863.1	1630.1	1319.4	1164.1	1077.6	904.7	775.0
130°	1935.4	2059.5	1935.4	1811.2	1780.2	1572.7	1296.2	1157.8	1079.2	922.0	804.1
132.5°	1848.5	1959.7	1848.5	1737.3	1709.5	1523.9	1276.3	1152.5	1080.4	936.1	827.9
135°	1729.6	1825.4	1729.6	1633.8	1609.8	1454.3	1247.0	1143.3	1079.4	951.4	855.5
137.5°	1634.2	1712.6	1634.2	1555.7	1536.1	1404.6	1229.4	1141.7	1086.0	974.5	890.9
140°	1568.7	1642.1	1568.7	1495.4	1477.1	1363.5	1212.1	1136.4	1087.1	988.5	914.6
142.5°	1514.5	1577.6	1514.5	1451.5	1435.7	1335.9	1202.9	1136.4	1091.0	1000.4	932.3
145°	1433.2	1480.9	1433.2	1385.5	1373.5	1291.9	1183.1	1128.7	1091.0	1015.7	959.2
147.5°	1370.8	1410.4	1370.8	1331.2	1321.4	1257.1	1171.5	1128.7	1098.6	1038.2	992.9
150°	1331.5	1363.5	1331.5	1299.4	1291.4	1237.2	1164.9	1128.7	1102.4	1049.9	1010.5
152.5°	1297.8	1322.0	1297.8	1273.6	1267.6	1221.3	1159.5	1128.7	1105.0	1057.7	1022.1
155°	1259.3	1275.3	1259.3	1243.3	1239.2	1202.4	1153.3	1128.7	1110.6	1074.4	1047.4
157.5°	1228.7	1239.9	1228.7	1217.4	1214.6	1186.0	1147.8	1128.7	1116.2	1091.3	1072.7
160°	1210.5	1216.9	1210.5	1204.0	1202.4	1177.8	1145.1	1128.7	1118.8	1099.1	1084.2
162.5°	1198.5	1204.7	1198.5	1192.4	1190.8	1170.1	1142.5	1128.7	1121.6	1107.3	1096.5
165°	1181.4	1187.8	1181.4	1174.8	1173.2	1158.4	1138.6	1128.7	1125.4	1119.0	1114.2
167.5°	1168.9	1171.7	1168.9	1166.2	1165.5	1155.9	1142.9	1136.4	1133.6	1128.2	1124.1
170°	1165.5	1165.5	1165.5	1165.5	1165.5	1155.9	1142.9	1136.4	1136.2	1135.9	1135.6
172.5°	1156.5	1154.1	1156.5	1158.8	1159.4	1151.7	1141.5	1136.4	1136.4	1136.4	1136.4
175°	1151.0	1151.0	1151.0	1151.0	1151.0	1146.2	1139.7	1136.4	1138.0	1141.0	1143.3
177.5°	1146.1	1143.3	1146.1	1148.7	1149.4	1145.6	1140.4	1137.9	1139.1	1141.5	1143.3
180°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2688.2	2673.1	2673.1	2648.1	2638.1	2630.6	2618.0	2580.4	2570.4	2560.3	2575.3
5°	2710.8	2683.2	2663.2	2618.0	2580.4	2565.3	2517.7	2427.4	2367.2	2322.1	2297.0
7.5°	2715.8	2680.6	2643.1	2572.9	2482.5	2442.4	2297.0	2131.5	2086.4	2046.2	2021.2
10°	2710.8	2670.7	2618.0	2512.7	2299.6	2229.3	2083.9	1976.0	1948.4	1940.9	1948.4
12.5°	2693.2	2655.6	2582.9	2407.4	2109.0	2061.3	1976.0	1913.4	1908.3	1920.9	1988.5
15°	2663.2	2628.0	2542.8	2267.0	2003.7	1968.5	1908.3	1885.8	1913.4	2001.1	2204.2
17.5°	2633.0	2592.9	2487.6	2129.0	1923.3	1898.3	1855.7	1900.8	2056.3	2174.1	2241.9
20°	2592.9	2545.3	2424.9	2028.7	1865.7	1843.1	1823.1	2026.2	2144.1	2186.6	2224.3
22.5°	2545.3	2495.1	2339.7	1958.5	1805.5	1788.0	1800.5	2096.4	2144.1	2174.1	2206.7
25°	2482.5	2440.0	2239.3	1903.3	1757.8	1737.8	1785.4	2088.9	2116.5	2124.0	2189.2
27.5°	2424.9	2369.7	2134.0	1853.2	1700.2	1692.6	1798.0	2056.3	2076.4	2083.9	2154.0
30°	2354.7	2271.9	2016.1	1800.5	1640.0	1637.5	1800.5	2016.1	2011.2	2031.2	2101.4
32.5°	2282.0	2126.5	1883.2	1735.3	1582.4	1579.8	1782.9	1955.9	1951.0	1978.6	2031.2
35°	2214.3	2013.6	1702.7	1660.0	1509.6	1512.1	1740.4	1885.8	1888.3	1913.4	1946.0
37.5°	2144.1	1915.8	1504.6	1577.3	1439.4	1439.4	1682.7	1820.6	1815.5	1823.1	1868.2
40°	2061.3	1762.9	1329.1	1469.5	1374.2	1366.7	1612.4	1750.3	1732.8	1730.3	1793.0
42.5°	1973.5	1594.8	1198.6	1326.6	1298.9	1288.9	1527.2	1665.1	1632.5	1640.0	1720.2
45°	1878.2	1549.8	1098.4	1120.9	1221.3	1213.7	1434.4	1567.3	1544.7	1564.8	1647.5
47.5°	1782.9	1459.5	1065.8	930.3	1138.5	1136.0	1331.5	1472.0	1459.5	1479.5	1567.3
50°	1652.5	1359.2	1063.3	797.4	1045.7	1055.7	1208.7	1379.2	1379.2	1396.7	1489.5
52.5°	1484.6	1236.3	965.5	722.2	937.9	967.9	1100.8	1298.9	1304.0	1321.5	1404.2
55°	1331.5	1108.3	895.2	664.5	810.0	875.2	995.5	1216.2	1226.2	1243.8	1319.0
57.5°	1191.1	922.8	880.2	596.9	692.1	754.8	902.7	1136.0	1140.9	1156.1	1228.8
60°	1040.7	667.0	807.5	524.1	589.3	637.0	817.5	1040.7	1058.2	1068.2	1131.0
62.5°	870.1	484.0	732.2	473.9	539.2	549.1	747.3	950.4	973.0	980.5	1018.1
65°	619.4	406.3	621.9	431.4	486.5	489.0	672.0	857.6	877.6	890.2	917.9
67.5°	418.8	331.0	473.9	391.1	446.4	448.8	599.3	749.8	777.4	787.4	804.9
70°	290.9	220.7	351.0	348.6	401.2	406.3	521.6	652.0	677.1	684.6	694.7
72.5°	213.1	178.0	290.9	313.5	353.6	358.6	441.3	541.6	566.7	574.2	579.3
75°	163.0	188.1	235.7	273.4	300.9	303.4	361.1	441.3	458.9	464.0	466.4
77.5°	130.4	175.6	173.0	220.7	245.7	240.8	283.4	341.1	356.1	356.1	356.1
80°	97.8	137.9	130.4	158.0	180.5	175.6	203.1	243.2	248.3	253.2	250.8
82.5°	72.7	87.7	87.7	100.3	120.3	115.4	135.5	158.0	158.0	158.0	163.0
85°	45.2	50.2	40.1	52.7	67.7	65.2	75.2	85.3	87.7	87.7	82.8
87.5°	27.6	22.5	12.5	20.1	30.1	30.1	35.1	37.6	35.1	35.1	35.1
90°	20.0	13.8	7.7	13.8	20.0	21.4	33.7	50.1	58.3	51.8	38.8
92.5°	135.1	82.9	30.7	82.9	135.1	148.1	208.2	288.3	328.4	287.8	206.7
95°	264.6	169.1	73.7	169.1	264.6	288.5	512.3	810.8	959.9	856.6	649.9
97.5°	295.8	211.5	127.4	211.5	295.8	316.9	690.0	1187.7	1436.5	1371.1	1240.5
100°	321.6	245.2	168.8	245.2	321.6	340.7	754.7	1306.9	1583.0	1587.7	1597.3
102.5°	346.7	275.4	204.1	275.4	346.7	364.5	784.5	1344.4	1624.4	1707.6	1874.0
105°	384.6	324.4	264.0	324.4	384.6	399.7	806.4	1348.7	1619.8	1806.4	2179.4
107.5°	437.9	381.6	325.3	381.6	437.9	451.9	810.6	1288.6	1527.7	1788.0	2308.4
110°	468.3	417.5	366.7	417.5	468.3	481.1	804.3	1235.4	1451.0	1741.8	2323.7



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	504.3	455.9	407.5	455.9	504.3	516.4	804.6	1189.0	1381.1	1678.8	2274.3
115°	558.2	513.5	468.8	513.5	558.2	569.4	812.1	1135.7	1297.5	1584.4	2158.0
117.5°	610.6	570.1	529.5	570.1	610.6	620.8	827.2	1102.3	1239.9	1498.8	2016.5
120°	641.1	603.0	564.7	603.0	641.1	650.7	839.4	1091.0	1216.9	1453.4	1926.4
122.5°	676.4	637.9	599.3	637.9	676.4	686.0	857.1	1085.2	1199.3	1412.3	1838.3
125°	722.4	687.4	652.2	687.4	722.4	731.2	880.9	1080.4	1180.2	1361.1	1722.9
127.5°	766.1	730.6	695.2	730.6	766.1	775.0	904.7	1077.6	1164.1	1319.4	1630.1
130°	794.5	756.4	718.2	756.4	794.5	804.1	922.0	1079.2	1157.8	1296.2	1572.7
132.5°	818.4	780.2	742.0	780.2	818.4	827.9	936.1	1080.4	1152.5	1276.3	1523.9
135°	846.8	812.0	777.3	812.0	846.8	855.5	951.4	1079.4	1143.3	1247.0	1454.3
137.5°	882.3	847.8	813.3	847.8	882.3	890.9	974.5	1086.0	1141.7	1229.4	1404.6
140°	906.7	875.0	843.3	875.0	906.7	914.6	988.5	1087.1	1136.4	1212.1	1363.5
142.5°	925.0	895.6	866.3	895.6	925.0	932.3	1000.4	1091.0	1136.4	1202.9	1335.9
145°	952.7	927.1	901.6	927.1	952.7	959.2	1015.7	1091.0	1128.7	1183.1	1291.9
147.5°	986.7	961.8	936.9	961.8	986.7	992.9	1038.2	1098.6	1128.7	1171.5	1257.1
150°	1004.9	982.5	959.9	982.5	1004.9	1010.5	1049.9	1102.4	1128.7	1164.9	1237.2
152.5°	1017.8	1000.7	983.7	1000.7	1017.8	1022.1	1057.7	1105.0	1128.7	1159.5	1221.3
155°	1044.2	1031.7	1019.0	1031.7	1044.2	1047.4	1074.4	1110.6	1128.7	1153.3	1202.4
157.5°	1069.6	1057.4	1045.1	1057.4	1069.6	1072.7	1091.3	1116.2	1128.7	1147.8	1186.0
160°	1081.9	1072.3	1062.7	1072.3	1081.9	1084.2	1099.1	1118.8	1128.7	1145.1	1177.8
162.5°	1094.7	1087.5	1080.4	1087.5	1094.7	1096.5	1107.3	1121.6	1128.7	1142.5	1170.1
165°	1112.6	1106.1	1099.5	1106.1	1112.6	1114.2	1119.0	1125.4	1128.7	1138.6	1158.4
167.5°	1123.4	1120.3	1117.2	1120.3	1123.4	1124.1	1128.2	1133.6	1136.4	1142.9	1155.9
170°	1134.8	1131.8	1128.7	1131.8	1134.8	1135.6	1135.9	1136.2	1136.4	1142.9	1155.9
172.5°	1136.2	1135.5	1134.8	1135.5	1136.2	1136.4	1136.4	1136.4	1136.4	1141.5	1151.7
175°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1141.0	1138.0	1136.4	1139.7	1146.2
177.5°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1141.5	1139.1	1137.9	1140.4	1145.6
180°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3



TEST NUMBER: P935719  
 CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2557.8	2550.3	2560.3	2532.7	2560.3	2550.3	2557.8	2575.3	2560.3	2570.4	2580.4
5°	2244.3	2231.8	2191.7	2159.1	2191.7	2231.8	2244.3	2297.0	2322.1	2367.2	2427.4
7.5°	2006.1	1996.1	1986.1	1966.0	1986.1	1996.1	2006.1	2021.2	2046.2	2086.4	2131.5
10°	1953.5	1955.9	1971.1	1968.5	1971.1	1955.9	1953.5	1948.4	1940.9	1948.4	1976.0
12.5°	2088.9	2111.5	2194.2	2189.2	2194.2	2111.5	2088.9	1988.5	1920.9	1908.3	1913.4
15°	2244.3	2251.8	2269.4	2271.9	2269.4	2251.8	2244.3	2204.2	2001.1	1913.4	1885.8
17.5°	2259.4	2261.9	2274.5	2274.5	2274.5	2261.9	2259.4	2241.9	2174.1	2056.3	1900.8
20°	2246.9	2251.8	2276.9	2282.0	2276.9	2251.8	2246.9	2224.3	2186.6	2144.1	2026.2
22.5°	2241.9	2251.8	2271.9	2269.4	2271.9	2251.8	2241.9	2206.7	2174.1	2144.1	2096.4
25°	2216.8	2216.8	2219.2	2221.8	2219.2	2216.8	2216.8	2189.2	2124.0	2116.5	2088.9
27.5°	2164.1	2169.2	2184.2	2181.7	2184.2	2169.2	2164.1	2154.0	2083.9	2076.4	2056.3
30°	2116.5	2111.5	2098.9	2088.9	2098.9	2111.5	2116.5	2101.4	2031.2	2011.2	2016.1
32.5°	2036.3	2023.7	2011.2	2003.7	2011.2	2023.7	2036.3	2031.2	1978.6	1951.0	1955.9
35°	1940.9	1943.4	1940.9	1933.4	1940.9	1943.4	1940.9	1946.0	1913.4	1888.3	1885.8
37.5°	1873.2	1878.2	1875.7	1865.7	1875.7	1878.2	1873.2	1868.2	1823.1	1815.5	1820.6
40°	1803.0	1805.5	1803.0	1795.5	1803.0	1805.5	1803.0	1793.0	1730.3	1732.8	1750.3
42.5°	1735.3	1732.8	1725.2	1720.2	1725.2	1732.8	1735.3	1720.2	1640.0	1632.5	1665.1
45°	1657.6	1660.0	1645.0	1637.5	1645.0	1660.0	1657.6	1647.5	1564.8	1544.7	1567.3
47.5°	1579.8	1579.8	1567.3	1559.8	1567.3	1579.8	1579.8	1567.3	1479.5	1459.5	1472.0
50°	1497.1	1494.5	1477.1	1474.5	1477.1	1494.5	1497.1	1489.5	1396.7	1379.2	1379.2
52.5°	1401.8	1401.8	1404.2	1409.3	1404.2	1401.8	1401.8	1404.2	1321.5	1304.0	1298.9
55°	1319.0	1321.5	1339.1	1344.1	1339.1	1321.5	1319.0	1319.0	1243.8	1226.2	1216.2
57.5°	1233.8	1233.8	1246.3	1246.3	1246.3	1233.8	1233.8	1228.8	1156.1	1140.9	1136.0
60°	1136.0	1140.9	1151.0	1148.6	1151.0	1140.9	1136.0	1131.0	1068.2	1058.2	1040.7
62.5°	1033.2	1038.2	1040.7	1035.6	1040.7	1038.2	1033.2	1018.1	980.5	973.0	950.4
65°	925.4	930.3	932.9	927.8	932.9	930.3	925.4	917.9	890.2	877.6	857.6
67.5°	815.0	812.4	810.0	820.0	810.0	812.4	815.0	804.9	787.4	777.4	749.8
70°	702.2	702.2	699.6	704.6	699.6	702.2	702.2	694.7	684.6	677.1	652.0
72.5°	581.7	579.3	589.3	581.7	589.3	579.3	581.7	579.3	574.2	566.7	541.6
75°	464.0	468.9	464.0	471.5	464.0	468.9	464.0	466.4	464.0	458.9	441.3
77.5°	353.6	358.6	353.6	353.6	353.6	358.6	353.6	356.1	356.1	356.1	341.1
80°	250.8	248.3	248.3	245.7	248.3	248.3	250.8	250.8	253.2	248.3	243.2
82.5°	160.5	158.0	158.0	163.0	158.0	158.0	160.5	163.0	158.0	158.0	158.0
85°	87.7	90.3	85.3	85.3	85.3	90.3	87.7	82.8	87.7	87.7	85.3
87.5°	32.6	30.1	30.1	30.1	30.1	30.1	32.6	35.1	35.1	35.1	37.6
90°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	38.8	51.8	58.3	50.1
92.5°	145.8	140.0	116.8	93.6	116.8	140.0	145.8	206.7	287.8	328.4	288.3
95°	494.9	477.3	407.1	336.8	407.1	477.3	494.9	649.9	856.6	959.9	810.8
97.5°	1142.5	1109.1	975.5	841.8	975.5	1109.1	1142.5	1240.5	1371.1	1436.5	1187.7
100°	1604.4	1564.6	1405.4	1246.2	1405.4	1564.6	1604.4	1597.3	1587.7	1583.0	1306.9
102.5°	1998.8	1964.7	1828.3	1692.0	1828.3	1964.7	1998.8	1874.0	1707.6	1624.4	1344.4
105°	2459.2	2440.9	2367.5	2294.2	2367.5	2440.9	2459.2	2179.4	1806.4	1619.8	1348.7
107.5°	2698.6	2703.1	2720.8	2738.5	2720.8	2703.1	2698.6	2308.4	1788.0	1527.7	1288.6
110°	2760.1	2779.1	2855.5	2931.9	2855.5	2779.1	2760.1	2323.7	1741.8	1451.0	1235.4



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2720.9	2750.2	2867.5	2984.8	2867.5	2750.2	2720.9	2274.3	1678.8	1381.1	1189.0
115°	2588.2	2628.9	2791.5	2954.1	2791.5	2628.9	2588.2	2158.0	1584.4	1297.5	1135.7
117.5°	2404.8	2449.8	2630.3	2810.7	2630.3	2449.8	2404.8	2016.5	1498.8	1239.9	1102.3
120°	2281.2	2325.1	2500.3	2675.6	2500.3	2325.1	2281.2	1926.4	1453.4	1216.9	1091.0
122.5°	2157.7	2200.9	2373.8	2546.7	2373.8	2200.9	2157.7	1838.3	1412.3	1199.3	1085.2
125°	1994.3	2034.1	2193.4	2352.6	2193.4	2034.1	1994.3	1722.9	1361.1	1180.2	1080.4
127.5°	1863.1	1896.7	2031.0	2165.4	2031.0	1896.7	1863.1	1630.1	1319.4	1164.1	1077.6
130°	1780.2	1811.2	1935.4	2059.5	1935.4	1811.2	1780.2	1572.7	1296.2	1157.8	1079.2
132.5°	1709.5	1737.3	1848.5	1959.7	1848.5	1737.3	1709.5	1523.9	1276.3	1152.5	1080.4
135°	1609.8	1633.8	1729.6	1825.4	1729.6	1633.8	1609.8	1454.3	1247.0	1143.3	1079.4
137.5°	1536.1	1555.7	1634.2	1712.6	1634.2	1555.7	1536.1	1404.6	1229.4	1141.7	1086.0
140°	1477.1	1495.4	1568.7	1642.1	1568.7	1495.4	1477.1	1363.5	1212.1	1136.4	1087.1
142.5°	1435.7	1451.5	1514.5	1577.6	1514.5	1451.5	1435.7	1335.9	1202.9	1136.4	1091.0
145°	1373.5	1385.5	1433.2	1480.9	1433.2	1385.5	1373.5	1291.9	1183.1	1128.7	1091.0
147.5°	1321.4	1331.2	1370.8	1410.4	1370.8	1331.2	1321.4	1257.1	1171.5	1128.7	1098.6
150°	1291.4	1299.4	1331.5	1363.5	1331.5	1299.4	1291.4	1237.2	1164.9	1128.7	1102.4
152.5°	1267.6	1273.6	1297.8	1322.0	1297.8	1273.6	1267.6	1221.3	1159.5	1128.7	1105.0
155°	1239.2	1243.3	1259.3	1275.3	1259.3	1243.3	1239.2	1202.4	1153.3	1128.7	1110.6
157.5°	1214.6	1217.4	1228.7	1239.9	1228.7	1217.4	1214.6	1186.0	1147.8	1128.7	1116.2
160°	1202.4	1204.0	1210.5	1216.9	1210.5	1204.0	1202.4	1177.8	1145.1	1128.7	1118.8
162.5°	1190.8	1192.4	1198.5	1204.7	1198.5	1192.4	1190.8	1170.1	1142.5	1128.7	1121.6
165°	1173.2	1174.8	1181.4	1187.8	1181.4	1174.8	1173.2	1158.4	1138.6	1128.7	1125.4
167.5°	1165.5	1166.2	1168.9	1171.7	1168.9	1166.2	1165.5	1155.9	1142.9	1136.4	1133.6
170°	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1155.9	1142.9	1136.4	1136.2
172.5°	1159.4	1158.8	1156.5	1154.1	1156.5	1158.8	1159.4	1151.7	1141.5	1136.4	1136.4
175°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1146.2	1139.7	1136.4	1138.0
177.5°	1149.4	1148.7	1146.1	1143.3	1146.1	1148.7	1149.4	1145.6	1140.4	1137.9	1139.1
180°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2618.0	2630.6	2638.1	2648.1	2673.1
5°	2517.7	2565.3	2580.4	2618.0	2663.2
7.5°	2297.0	2442.4	2482.5	2572.9	2643.1
10°	2083.9	2229.3	2299.6	2512.7	2618.0
12.5°	1976.0	2061.3	2109.0	2407.4	2582.9
15°	1908.3	1968.5	2003.7	2267.0	2542.8
17.5°	1855.7	1898.3	1923.3	2129.0	2487.6
20°	1823.1	1843.1	1865.7	2028.7	2424.9
22.5°	1800.5	1788.0	1805.5	1958.5	2339.7
25°	1785.4	1737.8	1757.8	1903.3	2239.3
27.5°	1798.0	1692.6	1700.2	1853.2	2134.0
30°	1800.5	1637.5	1640.0	1800.5	2016.1
32.5°	1782.9	1579.8	1582.4	1735.3	1883.2
35°	1740.4	1512.1	1509.6	1660.0	1702.7
37.5°	1682.7	1439.4	1439.4	1577.3	1504.6
40°	1612.4	1366.7	1374.2	1469.5	1329.1
42.5°	1527.2	1288.9	1298.9	1326.6	1198.6
45°	1434.4	1213.7	1221.3	1120.9	1098.4
47.5°	1331.5	1136.0	1138.5	930.3	1065.8
50°	1208.7	1055.7	1045.7	797.4	1063.3
52.5°	1100.8	967.9	937.9	722.2	965.5
55°	995.5	875.2	810.0	664.5	895.2
57.5°	902.7	754.8	692.1	596.9	880.2
60°	817.5	637.0	589.3	524.1	807.5
62.5°	747.3	549.1	539.2	473.9	732.2
65°	672.0	489.0	486.5	431.4	621.9
67.5°	599.3	448.8	446.4	391.1	473.9
70°	521.6	406.3	401.2	348.6	351.0
72.5°	441.3	358.6	353.6	313.5	290.9
75°	361.1	303.4	300.9	273.4	235.7
77.5°	283.4	240.8	245.7	220.7	173.0
80°	203.1	175.6	180.5	158.0	130.4
82.5°	135.5	115.4	120.3	100.3	87.7
85°	75.2	65.2	67.7	52.7	40.1
87.5°	35.1	30.1	30.1	20.1	12.5
90°	33.7	21.4	20.0	13.8	7.7
92.5°	208.2	148.1	135.1	82.9	30.7
95°	512.3	288.5	264.6	169.1	73.7
97.5°	690.0	316.9	295.8	211.5	127.4
100°	754.7	340.7	321.6	245.2	168.8
102.5°	784.5	364.5	346.7	275.4	204.1
105°	806.4	399.7	384.6	324.4	264.0
107.5°	810.6	451.9	437.9	381.6	325.3
110°	804.3	481.1	468.3	417.5	366.7



TEST NUMBER: P935719

CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	804.6	516.4	504.3	455.9	407.5
115°	812.1	569.4	558.2	513.5	468.8
117.5°	827.2	620.8	610.6	570.1	529.5
120°	839.4	650.7	641.1	603.0	564.7
122.5°	857.1	686.0	676.4	637.9	599.3
125°	880.9	731.2	722.4	687.4	652.2
127.5°	904.7	775.0	766.1	730.6	695.2
130°	922.0	804.1	794.5	756.4	718.2
132.5°	936.1	827.9	818.4	780.2	742.0
135°	951.4	855.5	846.8	812.0	777.3
137.5°	974.5	890.9	882.3	847.8	813.3
140°	988.5	914.6	906.7	875.0	843.3
142.5°	1000.4	932.3	925.0	895.6	866.3
145°	1015.7	959.2	952.7	927.1	901.6
147.5°	1038.2	992.9	986.7	961.8	936.9
150°	1049.9	1010.5	1004.9	982.5	959.9
152.5°	1057.7	1022.1	1017.8	1000.7	983.7
155°	1074.4	1047.4	1044.2	1031.7	1019.0
157.5°	1091.3	1072.7	1069.6	1057.4	1045.1
160°	1099.1	1084.2	1081.9	1072.3	1062.7
162.5°	1107.3	1096.5	1094.7	1087.5	1080.4
165°	1119.0	1114.2	1112.6	1106.1	1099.5
167.5°	1128.2	1124.1	1123.4	1120.3	1117.2
170°	1135.9	1135.6	1134.8	1131.8	1128.7
172.5°	1136.4	1136.4	1136.2	1135.5	1134.8
175°	1141.0	1143.3	1143.3	1143.3	1143.3
177.5°	1141.5	1143.3	1143.3	1143.3	1143.3
180°	1143.3	1143.3	1143.3	1143.3	1143.3



TEST NUMBER: P935719  
 CATALOG NUMBER: SQ4-FA-125U-125D-840-1D-UNV-STD-W-6

**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	14.34	15.19	15.32	16.18	17.47	17.17	18.01	18.14	19.00	20.30
	3H	14.82	15.58	15.80	16.57	17.89	18.51	19.27	19.50	20.26	21.58
	4H	15.01	15.73	16.01	16.73	18.05	18.95	19.67	19.95	20.67	22.00
	6H	15.13	15.79	16.14	16.79	18.13	19.24	19.90	20.25	20.90	22.24
	8H	15.13	15.76	16.14	16.78	18.12	19.31	19.94	20.32	20.96	22.30
	12H	15.10	15.70	16.12	16.71	18.07	19.35	19.94	20.37	20.96	22.32
4H	2H	15.37	16.09	16.38	17.09	18.42	17.58	18.29	18.58	19.29	20.62
	3H	16.40	17.00	17.41	18.02	19.37	19.08	19.68	20.09	20.70	22.05
	4H	16.68	17.22	17.70	18.24	19.61	19.61	20.15	20.63	21.17	22.54
	6H	16.80	17.27	17.83	18.31	19.67	19.97	20.44	21.00	21.48	22.84
	8H	16.80	17.24	17.84	18.28	19.66	20.07	20.51	21.11	21.55	22.93
	12H	16.77	17.17	17.82	18.22	19.60	20.13	20.53	21.18	21.58	22.96
8H	4H	17.13	17.57	18.16	18.60	19.98	19.73	20.17	20.76	21.20	22.58
	6H	17.39	17.75	18.44	18.83	20.20	20.16	20.53	21.22	21.60	22.98
	8H	17.43	17.75	18.49	18.81	20.20	20.31	20.63	21.38	21.70	23.09
	12H	17.41	17.69	18.48	18.75	20.19	20.41	20.69	21.48	21.75	23.18
12H	4H	17.13	17.53	18.18	18.58	19.96	19.69	20.09	20.74	21.14	22.52
	6H	17.45	17.77	18.51	18.83	20.22	20.16	20.48	21.22	21.54	22.94
	8H	17.51	17.79	18.58	18.85	20.29	20.32	20.60	21.39	21.66	23.09