

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: P934773

Luminaire Tested: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

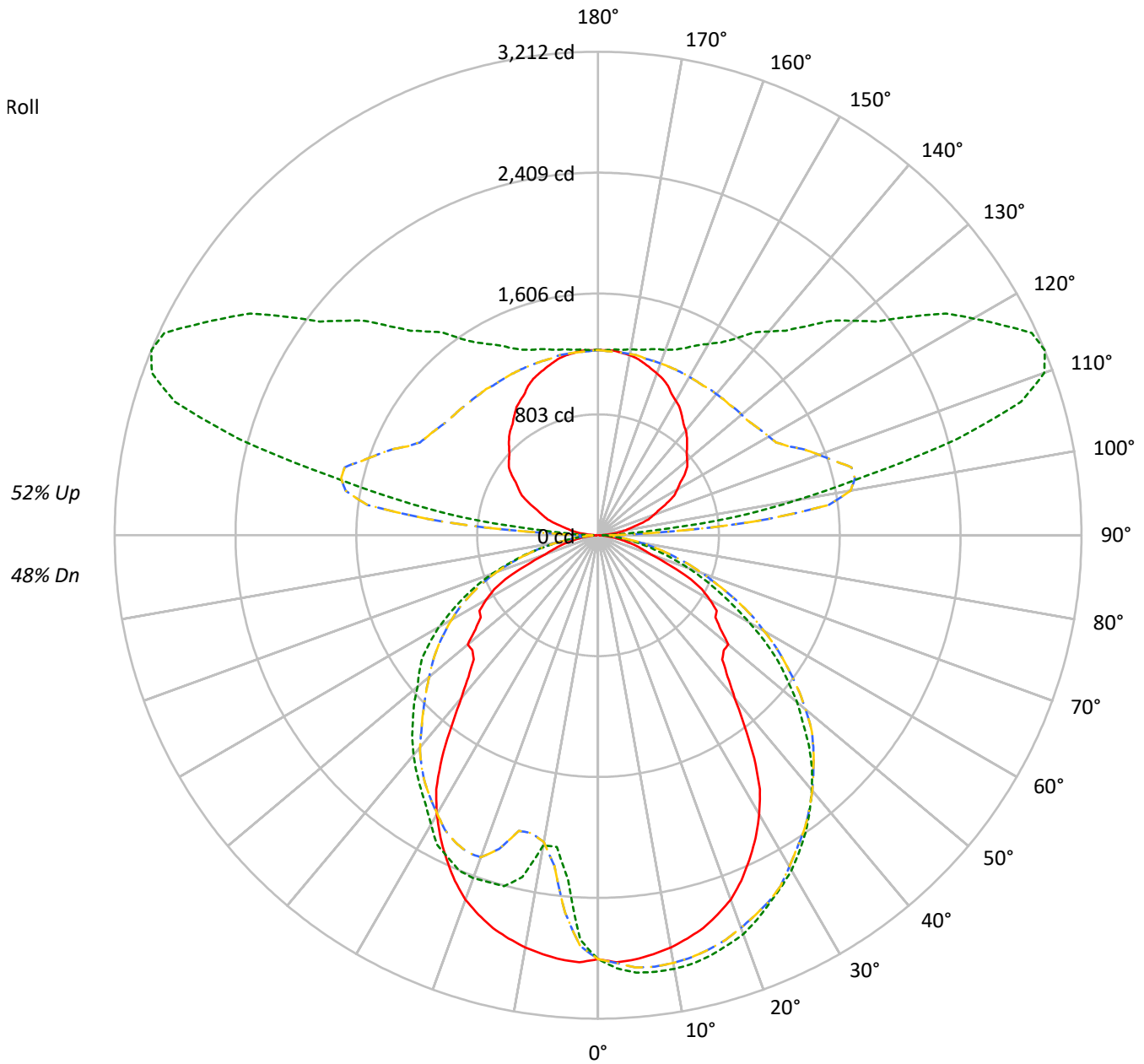
Test Method: LM-79-2019  
Report Number: P934773  
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15282.4 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 127.2  
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

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CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot



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



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CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**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	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	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	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	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	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	8710	8710	8710	8710
5°	8778	8792	8778	6913
10°	8723	8661	8723	6192
15°	8631	8473	8631	7075
20°	8454	8251	8454	7090
25°	8088	7927	8088	6940
30°	7613	7657	7613	6610
35°	6791	7317	6791	6247
40°	5661	6916	5661	5973
45°	5062	6447	5062	5658
50°	5382	5887	5382	5342
55°	5068	5284	5068	5159
60°	5231	4488	5231	4725
65°	4751	3710	4751	4147
70°	3298	2957	3298	3476
75°	2902	2185	2902	2617
80°	2356	1445	2356	1574
85°	1380	766	1380	651

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7753 cd/sqm



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.2	1.7
10°-20°	721.7	4.7
20°-30°	1115.6	7.3
30°-40°	1331.8	8.7
40°-50°	1339.6	8.8
50°-60°	1165.6	7.6
60°-70°	826.4	5.4
70°-80°	437.2	2.9
80°-90°	113.6	0.7
90°-100°	599.8	3.9
100°-110°	1576.9	10.3
110°-120°	1635.1	10.7
120°-130°	1311.5	8.6
130°-140°	1029.1	6.7
140°-150°	789.9	5.2
150°-160°	568.8	3.7
160°-170°	348.0	2.3
170°-180°	117.6	0.8
0°-30°	2091.5	13.7
0°-40°	3423.3	22.4
0°-60°	5928.5	38.8
0°-90°	7305.8	47.8
90°-120°	3811.7	24.9
90°-150°	6942.2	45.4
90°-180°	7977.0	52.2
0°-180°	15282.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2816	2816	2816	2816	2816	
5°	2829	2917	2829	2294	2829	268
15°	2701	2890	2701	2414	2701	760
25°	2379	2696	2379	2360	2379	1092
35°	1809	2406	1809	2054	1809	1119
45°	1167	1982	1167	1740	1167	935
55°	951	1462	951	1428	951	874
65°	661	882	661	986	661	631
75°	250	418	250	501	250	263
85°	43	107	43	91	43	58
90°	8	31	8	31	8	9
95°	79	363	79	363	79	88
105°	284	2469	284	2469	284	301
115°	505	3179	505	3179	505	498
125°	702	2532	702	2532	702	623
135°	837	1965	837	1965	837	647
145°	970	1594	970	1594	970	608
155°	1097	1372	1097	1372	1097	504
165°	1183	1278	1183	1278	1183	334
175°	1230	1239	1230	1239	1230	117
180°	1230	1230	1230	1230	1230	



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2839.9	2839.9	2855.9	2861.2	2861.2	2853.2	2845.2	2853.2	2877.2	2885.2	2882.5
5°	2829.3	2850.6	2879.9	2885.2	2890.5	2887.9	2882.5	2887.9	2914.5	2919.8	2922.5
7.5°	2807.9	2847.9	2885.2	2893.2	2901.2	2893.2	2890.5	2895.9	2922.5	2927.8	2927.8
10°	2781.3	2837.2	2879.9	2885.2	2893.2	2885.2	2885.2	2895.9	2922.5	2927.8	2930.5
12.5°	2744.0	2821.3	2861.2	2866.6	2877.2	2874.5	2871.9	2882.5	2909.2	2914.5	2914.5
15°	2701.4	2792.0	2829.3	2834.6	2853.2	2847.9	2847.9	2858.6	2887.9	2895.9	2893.2
17.5°	2642.8	2754.7	2797.3	2805.3	2818.6	2815.9	2818.6	2829.3	2855.9	2861.2	2863.9
20°	2576.2	2704.0	2754.7	2762.7	2776.0	2776.0	2776.0	2789.3	2815.9	2826.6	2826.6
22.5°	2485.6	2650.8	2704.0	2709.4	2725.4	2725.4	2730.7	2749.3	2773.3	2776.0	2776.0
25°	2379.0	2592.2	2637.4	2653.4	2669.4	2677.4	2685.4	2696.1	2704.0	2701.4	2704.0
27.5°	2267.1	2517.6	2576.2	2586.8	2608.1	2616.1	2626.8	2629.5	2632.1	2640.1	2634.8
30°	2141.9	2413.7	2501.6	2512.2	2546.9	2552.2	2541.5	2546.9	2560.2	2565.5	2570.8
32.5°	2000.7	2259.1	2424.3	2448.3	2480.3	2464.3	2461.6	2469.6	2490.9	2490.9	2496.3
35°	1808.9	2139.2	2352.4	2373.7	2397.7	2379.0	2389.7	2392.4	2405.7	2413.7	2411.0
37.5°	1598.4	2035.3	2277.7	2293.7	2312.4	2288.4	2304.4	2312.4	2323.0	2317.7	2317.7
40°	1411.9	1872.8	2189.8	2200.5	2216.4	2197.8	2213.8	2219.1	2224.4	2219.1	2216.4
42.5°	1273.4	1694.3	2096.6	2109.9	2099.2	2112.6	2117.9	2128.5	2120.5	2109.9	2109.9
45°	1166.8	1646.4	1995.3	2011.3	1995.3	2016.6	2024.6	2024.6	2000.7	1995.3	1992.7
47.5°	1132.2	1550.4	1894.1	1894.1	1886.1	1912.8	1926.1	1907.4	1883.4	1875.5	1875.5
50°	1129.5	1443.9	1755.6	1744.9	1782.2	1814.2	1800.9	1782.2	1763.6	1734.3	1734.3
52.5°	1025.6	1313.4	1577.1	1617.0	1675.7	1694.3	1673.0	1654.3	1622.4	1609.1	1598.4
55°	951.0	1177.5	1414.6	1494.5	1555.8	1579.8	1539.8	1521.1	1473.2	1465.2	1459.9
57.5°	935.1	980.4	1265.4	1366.6	1441.2	1438.6	1414.6	1380.0	1340.0	1332.0	1329.3
60°	857.8	708.6	1105.6	1225.4	1302.7	1294.7	1273.4	1241.4	1204.1	1198.8	1193.5
62.5°	777.9	514.2	924.4	1060.3	1169.5	1166.8	1148.2	1100.2	1073.6	1060.3	1049.6
65°	660.7	431.6	658.0	881.8	1039.0	1044.3	1004.3	969.7	940.4	924.4	921.7
67.5°	503.5	351.6	444.9	735.3	913.8	908.4	857.8	841.8	804.5	796.5	780.6
70°	373.0	234.4	309.0	596.7	791.2	777.9	737.9	719.3	684.6	666.0	655.3
72.5°	309.0	189.1	226.4	463.5	666.0	650.0	615.4	594.1	564.8	548.8	538.1
75°	250.4	199.8	173.2	343.7	540.8	530.1	498.2	476.9	452.9	431.6	434.2
77.5°	183.8	186.5	138.5	253.1	428.9	412.9	394.3	367.6	357.0	335.7	335.7
80°	138.5	146.5	103.9	173.2	309.0	309.0	293.0	274.4	255.7	245.1	245.1
82.5°	93.2	93.2	77.3	109.2	210.5	202.5	191.8	186.5	175.8	170.5	170.5
85°	42.6	53.3	48.0	66.6	114.6	119.9	119.9	114.6	111.9	106.6	109.2
87.5°	13.3	24.0	29.3	37.3	58.6	61.3	63.9	63.9	63.9	66.6	66.6
90°	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8	31.3	31.3
92.5°	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4	156.9	150.7
95°	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5	532.6	513.7
97.5°	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0	1229.6	1193.6
100°	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1	1726.8	1683.9
102.5°	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9	2151.3	2114.6
105°	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7	2646.8	2627.1
107.5°	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4	2904.4	2909.2
110°	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9	2970.4	2991.0



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8	2928.4	2959.9
115°	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5	2785.5	2829.3
117.5°	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2	2588.1	2636.6
120°	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3	2455.1	2502.3
122.5°	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4	2322.2	2368.7
125°	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2	2146.3	2189.2
127.5°	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3	2005.1	2041.2
130°	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6	1915.9	1949.2
132.5°	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0	1839.9	1869.9
135°	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2	1732.6	1758.3
137.5°	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8	1653.3	1674.4
140°	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5	1589.7	1609.4
142.5°	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8	1545.1	1562.1
145°	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4	1478.3	1491.1
147.5°	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0	1422.0	1432.7
150°	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5	1389.8	1398.4
152.5°	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4	1364.2	1370.7
155°	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1	1333.7	1338.0
157.5°	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4	1307.2	1310.2
160°	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6	1294.1	1295.9
162.5°	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4	1281.7	1283.3
165°	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7	1262.6	1264.4
167.5°	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9	1254.4	1255.1
170°	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9	1254.4	1254.4
172.5°	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6	1247.8	1247.2
175°	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5	1238.8	1238.8
177.5°	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0	1237.1	1236.4
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2887.9	2879.9	2887.9	2882.5	2885.2	2877.2	2853.2	2845.2	2853.2	2861.2	2861.2
5°	2922.5	2917.2	2922.5	2922.5	2919.8	2914.5	2887.9	2882.5	2887.9	2890.5	2885.2
7.5°	2933.2	2925.2	2933.2	2927.8	2927.8	2922.5	2895.9	2890.5	2893.2	2901.2	2893.2
10°	2933.2	2925.2	2933.2	2930.5	2927.8	2922.5	2895.9	2885.2	2885.2	2893.2	2885.2
12.5°	2919.8	2914.5	2919.8	2914.5	2914.5	2909.2	2882.5	2871.9	2874.5	2877.2	2866.6
15°	2898.5	2890.5	2898.5	2893.2	2895.9	2887.9	2858.6	2847.9	2847.9	2853.2	2834.6
17.5°	2866.6	2855.9	2866.6	2863.9	2861.2	2855.9	2829.3	2818.6	2815.9	2818.6	2805.3
20°	2829.3	2821.3	2829.3	2826.6	2826.6	2815.9	2789.3	2776.0	2776.0	2776.0	2762.7
22.5°	2770.6	2762.7	2770.6	2776.0	2776.0	2773.3	2749.3	2730.7	2725.4	2725.4	2709.4
25°	2704.0	2696.1	2704.0	2704.0	2701.4	2704.0	2696.1	2685.4	2677.4	2669.4	2653.4
27.5°	2640.1	2634.8	2640.1	2634.8	2640.1	2632.1	2629.5	2626.8	2616.1	2608.1	2586.8
30°	2576.2	2570.8	2576.2	2570.8	2565.5	2560.2	2546.9	2541.5	2552.2	2546.9	2512.2
32.5°	2496.3	2490.9	2496.3	2496.3	2490.9	2490.9	2469.6	2461.6	2464.3	2480.3	2448.3
35°	2413.7	2405.7	2413.7	2411.0	2413.7	2405.7	2392.4	2389.7	2379.0	2397.7	2373.7
37.5°	2317.7	2309.7	2317.7	2317.7	2317.7	2323.0	2312.4	2304.4	2288.4	2312.4	2293.7
40°	2219.1	2208.5	2219.1	2216.4	2219.1	2224.4	2219.1	2213.8	2197.8	2216.4	2200.5
42.5°	2107.2	2104.6	2107.2	2109.9	2109.9	2120.5	2128.5	2117.9	2112.6	2099.2	2109.9
45°	1987.3	1982.0	1987.3	1992.7	1995.3	2000.7	2024.6	2024.6	2016.6	1995.3	2011.3
47.5°	1859.5	1846.2	1859.5	1875.5	1875.5	1883.4	1907.4	1926.1	1912.8	1886.1	1894.1
50°	1723.6	1726.3	1723.6	1734.3	1734.3	1763.6	1782.2	1800.9	1814.2	1782.2	1744.9
52.5°	1590.4	1587.7	1590.4	1598.4	1609.1	1622.4	1654.3	1673.0	1694.3	1675.7	1617.0
55°	1457.2	1462.5	1457.2	1459.9	1465.2	1473.2	1521.1	1539.8	1579.8	1555.8	1494.5
57.5°	1324.0	1316.0	1324.0	1329.3	1332.0	1340.0	1380.0	1414.6	1438.6	1441.2	1366.6
60°	1169.5	1158.8	1169.5	1193.5	1198.8	1204.1	1241.4	1273.4	1294.7	1302.7	1225.4
62.5°	1033.6	1015.0	1033.6	1049.6	1060.3	1073.6	1100.2	1148.2	1166.8	1169.5	1060.3
65°	889.8	881.8	889.8	921.7	924.4	940.4	969.7	1004.3	1044.3	1039.0	881.8
67.5°	759.2	759.2	759.2	780.6	796.5	804.5	841.8	857.8	908.4	913.8	735.3
70°	639.4	636.7	639.4	655.3	666.0	684.6	719.3	737.9	777.9	791.2	596.7
72.5°	524.8	522.1	524.8	538.1	548.8	564.8	594.1	615.4	650.0	666.0	463.5
75°	423.6	418.2	423.6	434.2	431.6	452.9	476.9	498.2	530.1	540.8	343.7
77.5°	325.0	325.0	325.0	335.7	335.7	357.0	367.6	394.3	412.9	428.9	253.1
80°	242.4	239.8	242.4	245.1	245.1	255.7	274.4	293.0	309.0	309.0	173.2
82.5°	170.5	165.2	170.5	170.5	170.5	175.8	186.5	191.8	202.5	210.5	109.2
85°	106.6	106.6	106.6	109.2	106.6	111.9	114.6	119.9	119.9	114.6	66.6
87.5°	69.3	66.6	69.3	66.6	66.6	63.9	63.9	63.9	61.3	58.6	37.3
90°	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0	36.3	23.1
92.5°	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3	224.0	159.4
95°	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5	551.4	310.5
97.5°	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2	742.7	341.1
100°	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5	812.3	366.7
102.5°	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9	844.2	392.2
105°	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5	867.9	430.2
107.5°	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0	872.4	486.4
110°	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7	865.7	517.8





TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7	866.1	555.8
115°	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3	874.0	612.7
117.5°	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4	890.2	668.0
120°	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3	903.5	700.3
122.5°	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0	922.5	738.3
125°	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7	948.0	787.0
127.5°	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7	973.7	834.1
130°	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5	992.3	865.4
132.5°	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7	1007.4	891.0
135°	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7	1024.0	920.8
137.5°	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8	1048.8	958.8
140°	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0	1063.9	984.3
142.5°	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2	1076.6	1003.4
145°	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2	1093.1	1032.3
147.5°	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3	1117.4	1068.6
150°	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5	1130.0	1087.6
152.5°	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3	1138.2	1100.0
155°	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3	1156.4	1127.2
157.5°	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4	1174.6	1154.5
160°	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1	1182.9	1166.9
162.5°	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1	1191.6	1180.1
165°	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3	1204.3	1199.1
167.5°	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1	1214.3	1209.8
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9	1222.5	1222.2
172.5°	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7	1228.0	1230.5
177.5°	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0	1228.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2855.9	2839.9	2839.9	2813.3	2802.6	2794.6	2781.3	2741.3	2730.7	2720.0	2736.0
5°	2879.9	2850.6	2829.3	2781.3	2741.3	2725.4	2674.7	2578.8	2514.9	2467.0	2440.3
7.5°	2885.2	2847.9	2807.9	2733.4	2637.4	2594.8	2440.3	2264.4	2216.4	2173.8	2147.2
10°	2879.9	2837.2	2781.3	2669.4	2443.0	2368.4	2213.8	2099.2	2069.9	2061.9	2069.9
12.5°	2861.2	2821.3	2744.0	2557.5	2240.4	2189.8	2099.2	2032.6	2027.3	2040.6	2112.6
15°	2829.3	2792.0	2701.4	2408.3	2128.5	2091.2	2027.3	2003.3	2032.6	2125.9	2341.7
17.5°	2797.3	2754.7	2642.8	2261.7	2043.3	2016.6	1971.4	2019.3	2184.5	2309.7	2381.7
20°	2754.7	2704.0	2576.2	2155.2	1982.0	1958.0	1936.7	2152.5	2277.7	2323.0	2363.1
22.5°	2704.0	2650.8	2485.6	2080.6	1918.1	1899.4	1912.8	2227.1	2277.7	2309.7	2344.3
25°	2637.4	2592.2	2379.0	2022.0	1867.5	1846.2	1896.8	2219.1	2248.4	2256.4	2325.7
27.5°	2576.2	2517.6	2267.1	1968.7	1806.2	1798.2	1910.1	2184.5	2205.8	2213.8	2288.4
30°	2501.6	2413.7	2141.9	1912.8	1742.3	1739.6	1912.8	2141.9	2136.5	2157.8	2232.4
32.5°	2424.3	2259.1	2000.7	1843.5	1681.0	1678.3	1894.1	2077.9	2072.6	2101.9	2157.8
35°	2352.4	2139.2	1808.9	1763.6	1603.7	1606.4	1848.8	2003.3	2006.0	2032.6	2067.3
37.5°	2277.7	2035.3	1598.4	1675.7	1529.1	1529.1	1787.5	1934.1	1928.7	1936.7	1984.7
40°	2189.8	1872.8	1411.9	1561.1	1459.9	1451.9	1713.0	1859.5	1840.8	1838.2	1904.8
42.5°	2096.6	1694.3	1273.4	1409.3	1380.0	1369.3	1622.4	1768.9	1734.3	1742.3	1827.5
45°	1995.3	1646.4	1166.8	1190.8	1297.4	1289.4	1523.8	1665.0	1641.0	1662.3	1750.2
47.5°	1894.1	1550.4	1132.2	988.3	1209.5	1206.8	1414.6	1563.8	1550.4	1571.8	1665.0
50°	1755.6	1443.9	1129.5	847.2	1110.9	1121.5	1284.0	1465.2	1465.2	1483.8	1582.4
52.5°	1577.1	1313.4	1025.6	767.2	996.3	1028.3	1169.5	1380.0	1385.3	1403.9	1491.8
55°	1414.6	1177.5	951.0	706.0	860.5	929.7	1057.6	1292.0	1302.7	1321.3	1401.3
57.5°	1265.4	980.4	935.1	634.0	735.3	801.9	959.0	1206.8	1212.1	1228.1	1305.4
60°	1105.6	708.6	857.8	556.8	626.0	676.7	868.5	1105.6	1124.2	1134.9	1201.5
62.5°	924.4	514.2	777.9	503.5	572.8	583.4	793.9	1009.7	1033.6	1041.6	1081.6
65°	658.0	431.6	660.7	458.2	516.8	519.5	714.0	911.1	932.4	945.7	975.0
67.5°	444.9	351.6	503.5	415.6	474.2	476.9	636.7	796.5	825.8	836.5	855.1
70°	309.0	234.4	373.0	370.3	426.2	431.6	554.1	692.6	719.3	727.3	737.9
72.5°	226.4	189.1	309.0	333.0	375.6	381.0	468.9	575.4	602.1	610.1	615.4
75°	173.2	199.8	250.4	290.4	319.7	322.3	383.6	468.9	487.5	492.8	495.5
77.5°	138.5	186.5	183.8	234.4	261.1	255.7	301.0	362.3	378.3	378.3	378.3
80°	103.9	146.5	138.5	167.8	191.8	186.5	215.8	258.4	263.7	269.1	266.4
82.5°	77.3	93.2	93.2	106.6	127.9	122.5	143.9	167.8	167.8	167.8	173.2
85°	48.0	53.3	42.6	55.9	71.9	69.3	79.9	90.6	93.2	93.2	87.9
87.5°	29.3	24.0	13.3	21.3	32.0	32.0	37.3	40.0	37.3	37.3	37.3
90°	21.4	14.8	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8
92.5°	145.4	89.2	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4
95°	284.9	182.0	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5
97.5°	318.4	227.8	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0
100°	346.1	263.9	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1
102.5°	373.0	296.4	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9
105°	414.0	349.1	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7
107.5°	471.3	410.7	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4
110°	504.1	449.4	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	542.7	490.6	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8
115°	600.7	552.6	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5
117.5°	657.1	613.5	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2
120°	690.0	649.0	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3
122.5°	727.9	686.4	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4
125°	777.6	739.8	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2
127.5°	824.6	786.4	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3
130°	855.1	814.1	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6
132.5°	880.7	839.7	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0
135°	911.4	874.0	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2
137.5°	949.5	912.4	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8
140°	975.8	941.6	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5
142.5°	995.4	963.9	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8
145°	1025.4	997.8	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4
147.5°	1062.0	1035.1	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0
150°	1081.6	1057.3	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5
152.5°	1095.3	1077.1	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4
155°	1123.9	1110.3	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1
157.5°	1151.2	1138.0	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4
160°	1164.3	1154.0	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6
162.5°	1178.1	1170.5	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4
165°	1197.3	1190.4	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7
167.5°	1209.0	1205.6	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9
170°	1221.4	1218.1	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9
172.5°	1222.9	1222.1	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6
175°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5
177.5°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2717.4	2709.4	2720.0	2690.7	2720.0	2709.4	2717.4	2736.0	2720.0	2730.7	2741.3
5°	2384.4	2371.0	2328.3	2293.7	2328.3	2371.0	2384.4	2440.3	2467.0	2514.9	2578.8
7.5°	2131.2	2120.5	2109.9	2088.6	2109.9	2120.5	2131.2	2147.2	2173.8	2216.4	2264.4
10°	2075.3	2077.9	2093.9	2091.2	2093.9	2077.9	2075.3	2069.9	2061.9	2069.9	2099.2
12.5°	2219.1	2243.1	2331.0	2325.7	2331.0	2243.1	2219.1	2112.6	2040.6	2027.3	2032.6
15°	2384.4	2392.4	2411.0	2413.7	2411.0	2392.4	2384.4	2341.7	2125.9	2032.6	2003.3
17.5°	2400.4	2403.0	2416.3	2416.3	2416.3	2403.0	2400.4	2381.7	2309.7	2184.5	2019.3
20°	2387.0	2392.4	2419.0	2424.3	2419.0	2392.4	2387.0	2363.1	2323.0	2277.7	2152.5
22.5°	2381.7	2392.4	2413.7	2411.0	2413.7	2392.4	2381.7	2344.3	2309.7	2277.7	2227.1
25°	2355.1	2355.1	2357.7	2360.4	2357.7	2355.1	2355.1	2325.7	2256.4	2248.4	2219.1
27.5°	2299.0	2304.4	2320.3	2317.7	2320.3	2304.4	2299.0	2288.4	2213.8	2205.8	2184.5
30°	2248.4	2243.1	2229.8	2219.1	2229.8	2243.1	2248.4	2232.4	2157.8	2136.5	2141.9
32.5°	2163.2	2149.8	2136.5	2128.5	2136.5	2149.8	2163.2	2157.8	2101.9	2072.6	2077.9
35°	2061.9	2064.6	2061.9	2053.9	2061.9	2064.6	2061.9	2067.3	2032.6	2006.0	2003.3
37.5°	1990.0	1995.3	1992.7	1982.0	1992.7	1995.3	1990.0	1984.7	1936.7	1928.7	1934.1
40°	1915.4	1918.1	1915.4	1907.4	1915.4	1918.1	1915.4	1904.8	1838.2	1840.8	1859.5
42.5°	1843.5	1840.8	1832.8	1827.5	1832.8	1840.8	1843.5	1827.5	1742.3	1734.3	1768.9
45°	1760.9	1763.6	1747.6	1739.6	1747.6	1763.6	1760.9	1750.2	1662.3	1641.0	1665.0
47.5°	1678.3	1678.3	1665.0	1657.0	1665.0	1678.3	1678.3	1665.0	1571.8	1550.4	1563.8
50°	1590.4	1587.7	1569.1	1566.4	1569.1	1587.7	1590.4	1582.4	1483.8	1465.2	1465.2
52.5°	1489.2	1489.2	1491.8	1497.2	1491.8	1489.2	1489.2	1491.8	1403.9	1385.3	1380.0
55°	1401.3	1403.9	1422.6	1427.9	1422.6	1403.9	1401.3	1401.3	1321.3	1302.7	1292.0
57.5°	1310.7	1310.7	1324.0	1324.0	1324.0	1310.7	1310.7	1305.4	1228.1	1212.1	1206.8
60°	1206.8	1212.1	1222.8	1220.1	1222.8	1212.1	1206.8	1201.5	1134.9	1124.2	1105.6
62.5°	1097.6	1102.9	1105.6	1100.2	1105.6	1102.9	1097.6	1081.6	1041.6	1033.6	1009.7
65°	983.0	988.3	991.0	985.7	991.0	988.3	983.0	975.0	945.7	932.4	911.1
67.5°	865.8	863.1	860.5	871.1	860.5	863.1	865.8	855.1	836.5	825.8	796.5
70°	745.9	745.9	743.3	748.6	743.3	745.9	745.9	737.9	727.3	719.3	692.6
72.5°	618.0	615.4	626.0	618.0	626.0	615.4	618.0	615.4	610.1	602.1	575.4
75°	492.8	498.2	492.8	500.8	492.8	498.2	492.8	495.5	492.8	487.5	468.9
77.5°	375.6	381.0	375.6	375.6	375.6	381.0	375.6	378.3	378.3	378.3	362.3
80°	266.4	263.7	263.7	261.1	263.7	263.7	266.4	266.4	269.1	263.7	258.4
82.5°	170.5	167.8	167.8	173.2	167.8	167.8	170.5	173.2	167.8	167.8	167.8
85°	93.2	95.9	90.6	90.6	90.6	95.9	93.2	87.9	93.2	93.2	90.6
87.5°	34.6	32.0	32.0	32.0	32.0	32.0	34.6	37.3	37.3	37.3	40.0
90°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0
92.5°	156.9	150.7	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3
95°	532.6	513.7	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5
97.5°	1229.6	1193.6	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2
100°	1726.8	1683.9	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5
102.5°	2151.3	2114.6	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9
105°	2646.8	2627.1	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5
107.5°	2904.4	2909.2	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0
110°	2970.4	2991.0	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2928.4	2959.9	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7
115°	2785.5	2829.3	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3
117.5°	2588.1	2636.6	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4
120°	2455.1	2502.3	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3
122.5°	2322.2	2368.7	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0
125°	2146.3	2189.2	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7
127.5°	2005.1	2041.2	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7
130°	1915.9	1949.2	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5
132.5°	1839.9	1869.9	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7
135°	1732.6	1758.3	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7
137.5°	1653.3	1674.4	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8
140°	1589.7	1609.4	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0
142.5°	1545.1	1562.1	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2
145°	1478.3	1491.1	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2
147.5°	1422.0	1432.7	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3
150°	1389.8	1398.4	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5
152.5°	1364.2	1370.7	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3
155°	1333.7	1338.0	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3
157.5°	1307.2	1310.2	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4
160°	1294.1	1295.9	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1
162.5°	1281.7	1283.3	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1
165°	1262.6	1264.4	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3
167.5°	1254.4	1255.1	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9
172.5°	1247.8	1247.2	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7
177.5°	1237.1	1236.4	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934773

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2781.3	2794.6	2802.6	2813.3	2839.9
5°	2674.7	2725.4	2741.3	2781.3	2829.3
7.5°	2440.3	2594.8	2637.4	2733.4	2807.9
10°	2213.8	2368.4	2443.0	2669.4	2781.3
12.5°	2099.2	2189.8	2240.4	2557.5	2744.0
15°	2027.3	2091.2	2128.5	2408.3	2701.4
17.5°	1971.4	2016.6	2043.3	2261.7	2642.8
20°	1936.7	1958.0	1982.0	2155.2	2576.2
22.5°	1912.8	1899.4	1918.1	2080.6	2485.6
25°	1896.8	1846.2	1867.5	2022.0	2379.0
27.5°	1910.1	1798.2	1806.2	1968.7	2267.1
30°	1912.8	1739.6	1742.3	1912.8	2141.9
32.5°	1894.1	1678.3	1681.0	1843.5	2000.7
35°	1848.8	1606.4	1603.7	1763.6	1808.9
37.5°	1787.5	1529.1	1529.1	1675.7	1598.4
40°	1713.0	1451.9	1459.9	1561.1	1411.9
42.5°	1622.4	1369.3	1380.0	1409.3	1273.4
45°	1523.8	1289.4	1297.4	1190.8	1166.8
47.5°	1414.6	1206.8	1209.5	988.3	1132.2
50°	1284.0	1121.5	1110.9	847.2	1129.5
52.5°	1169.5	1028.3	996.3	767.2	1025.6
55°	1057.6	929.7	860.5	706.0	951.0
57.5°	959.0	801.9	735.3	634.0	935.1
60°	868.5	676.7	626.0	556.8	857.8
62.5°	793.9	583.4	572.8	503.5	777.9
65°	714.0	519.5	516.8	458.2	660.7
67.5°	636.7	476.9	474.2	415.6	503.5
70°	554.1	431.6	426.2	370.3	373.0
72.5°	468.9	381.0	375.6	333.0	309.0
75°	383.6	322.3	319.7	290.4	250.4
77.5°	301.0	255.7	261.1	234.4	183.8
80°	215.8	186.5	191.8	167.8	138.5
82.5°	143.9	122.5	127.9	106.6	93.2
85°	79.9	69.3	71.9	55.9	42.6
87.5°	37.3	32.0	32.0	21.3	13.3
90°	36.3	23.1	21.4	14.8	8.3
92.5°	224.0	159.4	145.4	89.2	33.0
95°	551.4	310.5	284.9	182.0	79.3
97.5°	742.7	341.1	318.4	227.8	137.1
100°	812.3	366.7	346.1	263.9	181.7
102.5°	844.2	392.2	373.0	296.4	219.7
105°	867.9	430.2	414.0	349.1	284.1
107.5°	872.4	486.4	471.3	410.7	350.1
110°	865.7	517.8	504.1	449.4	394.7



TEST NUMBER: P934773  
 CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	866.1	555.8	542.7	490.6	438.5
115°	874.0	612.7	600.7	552.6	504.6
117.5°	890.2	668.0	657.1	613.5	569.8
120°	903.5	700.3	690.0	649.0	607.8
122.5°	922.5	738.3	727.9	686.4	645.0
125°	948.0	787.0	777.6	739.8	702.0
127.5°	973.7	834.1	824.6	786.4	748.2
130°	992.3	865.4	855.1	814.1	773.0
132.5°	1007.4	891.0	880.7	839.7	798.6
135°	1024.0	920.8	911.4	874.0	836.6
137.5°	1048.8	958.8	949.5	912.4	875.4
140°	1063.9	984.3	975.8	941.6	907.5
142.5°	1076.6	1003.4	995.4	963.9	932.3
145°	1093.1	1032.3	1025.4	997.8	970.3
147.5°	1117.4	1068.6	1062.0	1035.1	1008.3
150°	1130.0	1087.6	1081.6	1057.3	1033.1
152.5°	1138.2	1100.0	1095.3	1077.1	1058.7
155°	1156.4	1127.2	1123.9	1110.3	1096.7
157.5°	1174.6	1154.5	1151.2	1138.0	1124.7
160°	1182.9	1166.9	1164.3	1154.0	1143.7
162.5°	1191.6	1180.1	1178.1	1170.5	1162.7
165°	1204.3	1199.1	1197.3	1190.4	1183.4
167.5°	1214.3	1209.8	1209.0	1205.6	1202.4
170°	1222.5	1222.2	1221.4	1218.1	1214.8
172.5°	1223.0	1223.0	1222.9	1222.1	1221.4
175°	1228.0	1230.5	1230.5	1230.5	1230.5
177.5°	1228.5	1230.5	1230.5	1230.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934773  
 CATALOG NUMBER: SQ4-FA-075U-075D-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	12.13	12.97	13.10	13.96	15.26	14.98	15.82	15.95	16.81	18.11
	3H	12.60	13.36	13.59	14.35	15.68	16.33	17.08	17.31	18.08	19.40
	4H	12.79	13.50	13.79	14.51	15.84	16.77	17.49	17.78	18.49	19.82
	6H	12.91	13.57	13.92	14.57	15.92	17.06	17.72	18.07	18.73	20.07
	8H	12.91	13.54	13.93	14.56	15.90	17.14	17.77	18.16	18.79	20.13
	12H	12.88	13.47	13.90	14.49	15.86	17.18	17.78	18.20	18.79	20.16
4H	2H	13.16	13.87	14.17	14.88	16.21	15.38	16.10	16.39	17.10	18.43
	3H	14.19	14.78	15.20	15.81	17.16	16.89	17.49	17.91	18.52	19.86
	4H	14.46	15.01	15.48	16.03	17.40	17.42	17.97	18.45	18.99	20.36
	6H	14.59	15.05	15.62	16.10	17.46	17.79	18.26	18.83	19.31	20.67
	8H	14.59	15.03	15.63	16.07	17.45	17.90	18.34	18.94	19.38	20.76
	12H	14.56	14.95	15.61	16.01	17.39	17.96	18.36	19.02	19.41	20.80
8H	4H	14.92	15.35	15.95	16.39	17.77	17.55	17.98	18.58	19.02	20.40
	6H	15.18	15.54	16.24	16.62	18.00	17.99	18.35	19.05	19.43	20.81
	8H	15.22	15.54	16.29	16.60	18.00	18.14	18.46	19.21	19.53	20.92
	12H	15.20	15.48	16.27	16.54	17.98	18.25	18.52	19.32	19.59	21.02
12H	4H	14.92	15.32	15.98	16.37	17.76	17.51	17.91	18.56	18.96	20.34
	6H	15.24	15.56	16.31	16.62	18.02	17.98	18.30	19.05	19.37	20.77
	8H	15.30	15.58	16.37	16.65	18.08	18.15	18.43	19.22	19.49	20.93