

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: P934972

Luminaire Tested: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

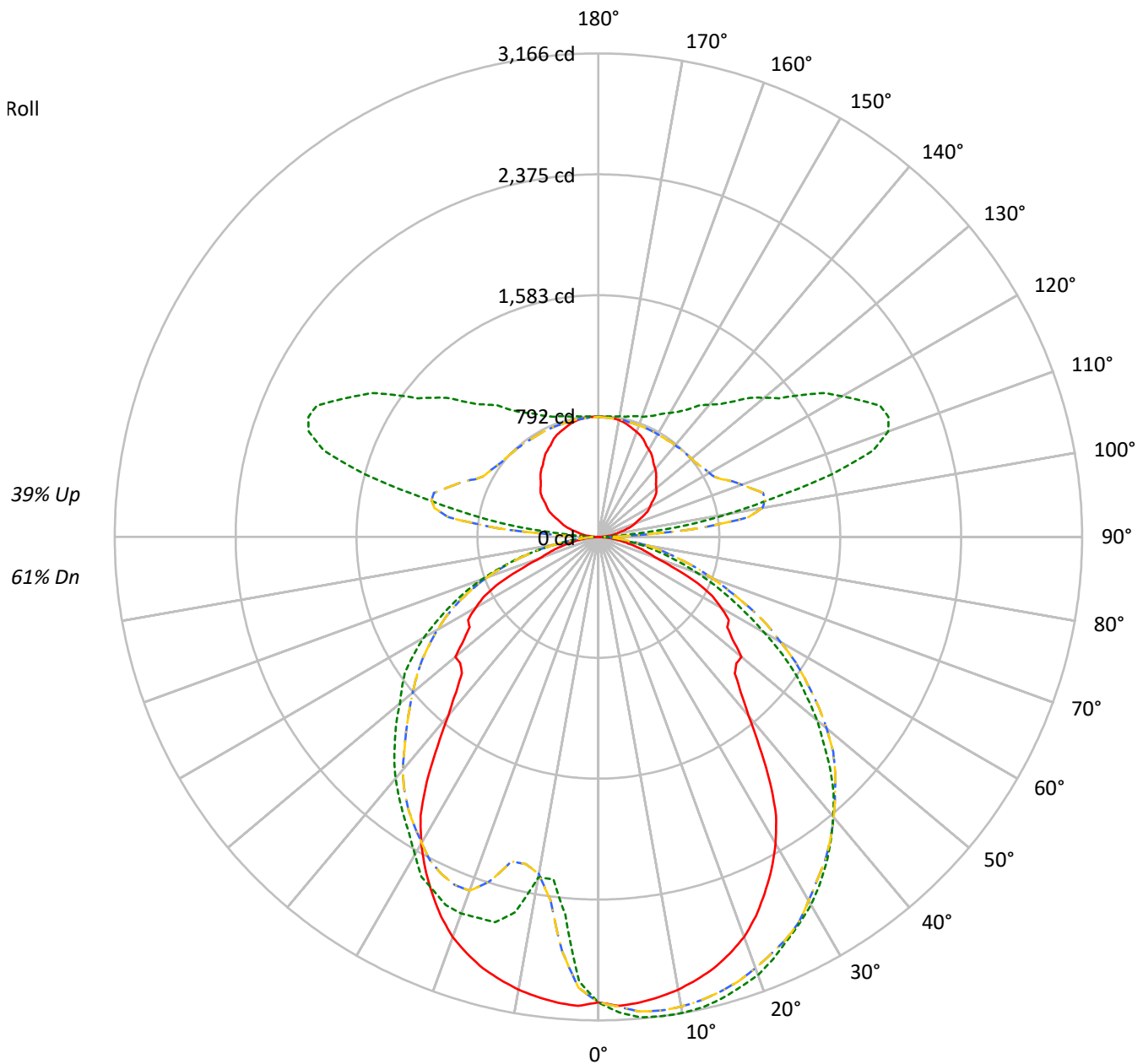
Test Method: LM-79-2019  
Report Number: P934972  
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13007.5 lumens  
Efficiency: N/A  
Efficacy: 104.9 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: Semi-Direct  
  
Input Watts (W): 124  
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: P934972  
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### Luminous Intensity Polar Plot



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



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**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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

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

	0°	90°	180°	270°
0°	14141	14141	14141	14141
5°	14246	14274	14246	11224
10°	14151	14060	14151	10053
15°	13997	13756	13997	11487
20°	13705	13395	13705	11511
25°	13105	12869	13105	11267
30°	12331	12432	12331	10731
35°	10993	11879	10993	10143
40°	9160	11229	9160	9698
45°	8184	10467	8184	9186
50°	8694	9558	8694	8674
55°	8181	8580	8181	8376
60°	8432	7287	8432	7672
65°	7646	6023	7646	6733
70°	5294	4800	5294	5644
75°	4641	3549	4641	4248
80°	3742	2346	3742	2555
85°	2147	1243	2147	1057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12543 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.1	2.1
10°-20°	781.1	6.0
20°-30°	1207.5	9.3
30°-40°	1441.5	11.1
40°-50°	1449.9	11.1
50°-60°	1261.6	9.7
60°-70°	894.5	6.9
70°-80°	473.2	3.6
80°-90°	120.9	0.9
90°-100°	383.7	2.9
100°-110°	1008.6	7.8
110°-120°	1045.8	8.0
120°-130°	838.9	6.4
130°-140°	658.2	5.1
140°-150°	505.2	3.9
150°-160°	363.8	2.8
160°-170°	222.6	1.7
170°-180°	75.2	0.6
0°-30°	2263.7	17.4
0°-40°	3705.2	28.5
0°-60°	6416.7	49.3
0°-90°	7905.3	60.8
90°-120°	2438.2	18.7
90°-150°	4440.5	34.1
90°-180°	5102.0	39.2
0°-180°	13007.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3048	3048	3048	3048	3048	
5°	3062	3157	3062	2483	3062	290
15°	2924	3128	2924	2612	2924	823
25°	2575	2918	2575	2555	2575	1182
35°	1958	2604	1958	2223	1958	1211
45°	1263	2145	1263	1883	1263	1012
55°	1029	1583	1029	1546	1029	946
65°	715	954	715	1067	715	683
75°	271	453	271	542	271	285
85°	46	115	46	98	46	62
90°	5	20	5	20	5	6
95°	51	232	51	232	51	56
105°	182	1579	182	1579	182	193
115°	323	2034	323	2034	323	319
125°	449	1620	449	1620	449	399
135°	535	1257	535	1257	535	414
145°	621	1020	621	1020	621	389
155°	702	878	702	878	702	322
165°	757	818	757	818	757	214
175°	787	792	787	792	787	75
180°	787	787	787	787	787	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3073.7	3073.7	3091.0	3096.8	3096.8	3088.2	3079.5	3088.2	3114.1	3122.8	3119.9
5°	3062.2	3085.3	3117.0	3122.8	3128.5	3125.6	3119.9	3125.6	3154.4	3160.2	3163.1
7.5°	3039.1	3082.4	3122.8	3131.4	3140.0	3131.4	3128.5	3134.3	3163.1	3168.8	3168.8
10°	3010.3	3070.9	3117.0	3122.8	3131.4	3122.8	3122.8	3134.3	3163.1	3168.8	3171.7
12.5°	2969.9	3053.5	3096.8	3102.6	3114.1	3111.2	3108.4	3119.9	3148.7	3154.4	3154.4
15°	2923.8	3021.8	3062.2	3068.0	3088.2	3082.4	3082.4	3093.9	3125.6	3134.3	3131.4
17.5°	2860.3	2981.4	3027.6	3036.2	3050.7	3047.8	3050.7	3062.2	3091.0	3096.8	3099.7
20°	2788.3	2926.6	2981.4	2990.1	3004.5	3004.5	3004.5	3018.9	3047.8	3059.3	3059.3
22.5°	2690.2	2869.0	2926.6	2932.4	2949.7	2949.7	2955.5	2975.7	3001.6	3004.5	3004.5
25°	2574.9	2805.6	2854.5	2871.8	2889.1	2897.8	2906.5	2918.0	2926.6	2923.8	2926.6
27.5°	2453.8	2724.8	2788.3	2799.8	2822.8	2831.5	2843.0	2845.9	2848.8	2857.4	2851.6
30°	2318.3	2612.4	2707.5	2719.1	2756.6	2762.3	2750.8	2756.6	2771.0	2776.8	2782.5
32.5°	2165.4	2445.2	2623.9	2649.9	2684.5	2667.2	2664.3	2672.9	2696.0	2696.0	2701.8
35°	1957.8	2315.4	2546.0	2569.1	2595.0	2574.9	2586.4	2589.3	2603.7	2612.4	2609.5
37.5°	1730.1	2202.9	2465.3	2482.6	2502.8	2476.8	2494.1	2502.8	2514.3	2508.5	2508.5
40°	1528.2	2027.0	2370.2	2381.7	2399.0	2378.8	2396.1	2401.9	2407.7	2401.9	2399.0
42.5°	1378.3	1833.8	2269.2	2283.6	2272.1	2286.5	2292.3	2303.8	2295.2	2283.6	2283.6
45°	1262.9	1782.0	2159.6	2176.9	2159.6	2182.7	2191.4	2191.4	2165.4	2159.6	2156.8
47.5°	1225.4	1678.1	2050.1	2050.1	2041.5	2070.3	2084.7	2064.5	2038.6	2029.9	2029.9
50°	1222.5	1562.8	1900.1	1888.6	1929.0	1963.6	1949.2	1929.0	1908.8	1877.1	1877.1
52.5°	1110.1	1421.5	1707.0	1750.3	1813.7	1833.8	1810.8	1790.6	1756.0	1741.6	1730.1
55°	1029.4	1274.5	1531.1	1617.6	1683.9	1709.9	1666.6	1646.4	1594.5	1585.9	1580.1
57.5°	1012.1	1061.1	1369.6	1479.2	1559.9	1557.0	1531.1	1493.6	1450.4	1441.7	1438.9
60°	928.4	767.0	1196.6	1326.4	1410.0	1401.4	1378.3	1343.7	1303.3	1297.5	1291.8
62.5°	841.9	556.5	1000.5	1147.6	1265.8	1262.9	1242.7	1190.8	1162.0	1147.6	1136.1
65°	715.1	467.2	712.2	954.4	1124.6	1130.3	1087.1	1049.6	1017.8	1000.5	997.7
67.5°	544.9	380.6	481.6	795.9	989.0	983.2	928.4	911.1	870.8	862.1	844.8
70°	403.7	253.7	334.5	645.9	856.3	841.9	798.7	778.6	741.1	720.9	709.3
72.5°	334.5	204.7	245.1	501.7	720.9	703.6	666.1	643.0	611.3	594.0	582.4
75°	271.0	216.2	187.4	372.0	585.3	573.8	539.2	516.1	490.2	467.2	470.0
77.5°	198.9	201.8	150.0	273.9	464.3	447.0	426.8	397.9	386.4	363.3	363.3
80°	150.0	158.6	112.5	187.4	334.5	334.5	317.2	297.0	276.8	265.3	265.3
82.5°	100.9	100.9	83.6	118.3	227.8	219.1	207.6	201.8	190.3	184.5	184.5
85°	46.1	57.7	51.9	72.1	124.0	129.8	129.8	124.0	121.1	115.4	118.3
87.5°	14.4	26.0	31.7	40.4	63.5	66.3	69.2	69.2	69.2	72.1	72.1
90°	5.3	9.5	13.8	14.8	23.3	34.5	40.1	35.7	26.8	20.1	20.1
92.5°	21.1	57.1	93.0	102.0	143.4	198.5	226.1	198.2	142.3	100.4	96.4
95°	50.7	116.5	182.2	198.6	352.6	558.1	660.8	589.7	447.4	340.7	328.6
97.5°	87.7	145.7	203.7	218.2	475.1	817.6	988.8	943.8	854.0	786.6	763.6
100°	116.2	168.8	221.4	234.6	519.6	899.7	1089.7	1093.0	1099.6	1104.5	1077.1
102.5°	140.5	189.6	238.6	250.9	540.0	925.5	1118.2	1175.5	1290.1	1376.1	1352.6
105°	181.7	223.3	264.8	275.2	555.2	928.4	1115.1	1243.5	1500.3	1692.9	1680.3
107.5°	224.0	262.8	301.4	311.2	558.0	887.1	1051.7	1230.8	1589.1	1857.8	1860.9
110°	252.5	287.5	322.4	331.2	553.7	850.5	998.9	1199.1	1599.6	1900.0	1913.2



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CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	280.5	313.8	347.1	355.5	553.9	818.5	950.8	1155.8	1565.7	1873.1	1893.3
115°	322.7	353.5	384.3	391.9	559.0	781.8	893.2	1090.6	1485.5	1781.7	1809.7
117.5°	364.5	392.4	420.4	427.4	569.5	758.9	853.6	1031.8	1388.2	1655.4	1686.4
120°	388.8	415.0	441.3	447.9	577.8	751.1	837.8	1000.6	1326.2	1570.4	1600.6
122.5°	412.5	439.1	465.6	472.3	590.0	747.0	825.6	972.2	1265.5	1485.4	1515.1
125°	449.0	473.2	497.3	503.4	606.4	743.7	812.4	936.9	1186.0	1372.8	1400.3
127.5°	478.6	503.0	527.4	533.5	622.8	741.8	801.3	908.2	1122.1	1282.5	1305.6
130°	494.4	520.7	547.0	553.5	634.7	743.0	797.1	892.3	1082.7	1225.5	1246.9
132.5°	510.8	537.1	563.4	570.0	644.5	743.7	793.4	878.6	1049.1	1176.9	1196.0
135°	535.1	559.0	583.0	589.0	655.0	743.0	787.1	858.5	1001.2	1108.2	1124.7
137.5°	559.9	583.6	607.3	613.3	670.9	747.6	786.0	846.3	967.0	1057.5	1071.0
140°	580.6	602.4	624.2	629.6	680.5	748.4	782.3	834.4	938.6	1016.9	1029.5
142.5°	596.4	616.6	636.8	641.8	688.7	751.1	782.3	828.1	919.6	988.3	999.1
145°	620.7	638.3	655.9	660.3	699.2	751.1	777.0	814.5	889.4	945.5	953.7
147.5°	645.0	662.1	679.3	683.6	714.7	756.2	777.0	806.5	865.4	909.6	916.4
150°	660.8	676.3	691.8	695.7	722.8	759.0	777.0	801.9	851.7	889.0	894.5
152.5°	677.2	688.9	700.7	703.6	728.0	760.7	777.0	798.2	840.8	872.6	876.8
155°	701.5	710.1	718.8	721.0	739.7	764.6	777.0	793.9	827.7	853.1	855.8
157.5°	719.4	727.9	736.3	738.4	751.3	768.4	777.0	790.1	816.5	836.2	838.1
160°	731.6	738.2	744.7	746.4	756.6	770.2	777.0	788.3	810.8	827.7	828.8
162.5°	743.7	748.7	753.6	754.9	762.3	772.1	777.0	786.6	805.6	819.8	820.8
165°	756.9	761.3	765.9	767.0	770.3	774.8	777.0	783.8	797.5	807.7	808.8
167.5°	769.1	771.2	773.4	773.9	776.7	780.4	782.3	786.7	795.7	802.4	802.8
170°	777.0	779.2	781.3	781.8	782.0	782.2	782.3	786.7	795.7	802.4	802.4
172.5°	781.3	781.7	782.2	782.3	782.3	782.3	782.3	785.8	792.9	798.2	797.7
175°	787.1	787.1	787.1	787.1	785.5	783.3	782.3	784.5	789.0	792.4	792.4
177.5°	787.1	787.1	787.1	787.1	785.8	784.2	783.3	785.1	788.6	791.3	790.8
180°	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3125.6	3117.0	3125.6	3119.9	3122.8	3114.1	3088.2	3079.5	3088.2	3096.8	3096.8
5°	3163.1	3157.3	3163.1	3163.1	3160.2	3154.4	3125.6	3119.9	3125.6	3128.5	3122.8
7.5°	3174.6	3165.9	3174.6	3168.8	3168.8	3163.1	3134.3	3128.5	3131.4	3140.0	3131.4
10°	3174.6	3165.9	3174.6	3171.7	3168.8	3163.1	3134.3	3122.8	3122.8	3131.4	3122.8
12.5°	3160.2	3154.4	3160.2	3154.4	3154.4	3148.7	3119.9	3108.4	3111.2	3114.1	3102.6
15°	3137.1	3128.5	3137.1	3131.4	3134.3	3125.6	3093.9	3082.4	3082.4	3088.2	3068.0
17.5°	3102.6	3091.0	3102.6	3099.7	3096.8	3091.0	3062.2	3050.7	3047.8	3050.7	3036.2
20°	3062.2	3053.5	3062.2	3059.3	3059.3	3047.8	3018.9	3004.5	3004.5	3004.5	2990.1
22.5°	2998.7	2990.1	2998.7	3004.5	3004.5	3001.6	2975.7	2955.5	2949.7	2949.7	2932.4
25°	2926.6	2918.0	2926.6	2926.6	2923.8	2926.6	2918.0	2906.5	2897.8	2889.1	2871.8
27.5°	2857.4	2851.6	2857.4	2851.6	2857.4	2848.8	2845.9	2843.0	2831.5	2822.8	2799.8
30°	2788.3	2782.5	2788.3	2782.5	2776.8	2771.0	2756.6	2750.8	2762.3	2756.6	2719.1
32.5°	2701.8	2696.0	2701.8	2701.8	2696.0	2696.0	2672.9	2664.3	2667.2	2684.5	2649.9
35°	2612.4	2603.7	2612.4	2609.5	2612.4	2603.7	2589.3	2586.4	2574.9	2595.0	2569.1
37.5°	2508.5	2499.9	2508.5	2508.5	2508.5	2514.3	2502.8	2494.1	2476.8	2502.8	2482.6
40°	2401.9	2390.4	2401.9	2399.0	2401.9	2407.7	2401.9	2396.1	2378.8	2399.0	2381.7
42.5°	2280.8	2277.9	2280.8	2283.6	2283.6	2295.2	2303.8	2292.3	2286.5	2272.1	2283.6
45°	2151.0	2145.3	2151.0	2156.8	2159.6	2165.4	2191.4	2191.4	2182.7	2159.6	2176.9
47.5°	2012.6	1998.2	2012.6	2029.9	2029.9	2038.6	2064.5	2084.7	2070.3	2041.5	2050.1
50°	1865.5	1868.4	1865.5	1877.1	1877.1	1908.8	1929.0	1949.2	1963.6	1929.0	1888.6
52.5°	1721.4	1718.5	1721.4	1730.1	1741.6	1756.0	1790.6	1810.8	1833.8	1813.7	1750.3
55°	1577.2	1583.0	1577.2	1580.1	1585.9	1594.5	1646.4	1666.6	1709.9	1683.9	1617.6
57.5°	1433.1	1424.4	1433.1	1438.9	1441.7	1450.4	1493.6	1531.1	1557.0	1559.9	1479.2
60°	1265.8	1254.3	1265.8	1291.8	1297.5	1303.3	1343.7	1378.3	1401.4	1410.0	1326.4
62.5°	1118.8	1098.6	1118.8	1136.1	1147.6	1162.0	1190.8	1242.7	1262.9	1265.8	1147.6
65°	963.0	954.4	963.0	997.7	1000.5	1017.8	1049.6	1087.1	1130.3	1124.6	954.4
67.5°	821.8	821.8	821.8	844.8	862.1	870.8	911.1	928.4	983.2	989.0	795.9
70°	692.0	689.1	692.0	709.3	720.9	741.1	778.6	798.7	841.9	856.3	645.9
72.5°	568.0	565.1	568.0	582.4	594.0	611.3	643.0	666.1	703.6	720.9	501.7
75°	458.5	452.7	458.5	470.0	467.2	490.2	516.1	539.2	573.8	585.3	372.0
77.5°	351.8	351.8	351.8	363.3	363.3	386.4	397.9	426.8	447.0	464.3	273.9
80°	262.4	259.5	262.4	265.3	265.3	276.8	297.0	317.2	334.5	334.5	187.4
82.5°	184.5	178.7	184.5	184.5	184.5	190.3	201.8	207.6	219.1	227.8	118.3
85°	115.4	115.4	115.4	118.3	115.4	121.1	124.0	129.8	129.8	124.0	72.1
87.5°	75.0	72.1	75.0	72.1	72.1	69.2	69.2	69.2	66.3	63.5	40.4
90°	20.1	20.1	20.1	20.1	20.1	26.8	35.7	40.1	34.5	23.3	14.8
92.5°	80.4	64.4	80.4	96.4	100.4	142.3	198.2	226.1	198.5	143.4	102.0
95°	280.3	231.9	280.3	328.6	340.7	447.4	589.7	660.8	558.1	352.6	198.6
97.5°	671.5	579.4	671.5	763.6	786.6	854.0	943.8	988.8	817.6	475.1	218.2
100°	967.5	857.9	967.5	1077.1	1104.5	1099.6	1093.0	1089.7	899.7	519.6	234.6
102.5°	1258.7	1164.8	1258.7	1352.6	1376.1	1290.1	1175.5	1118.2	925.5	540.0	250.9
105°	1629.8	1579.4	1629.8	1680.3	1692.9	1500.3	1243.5	1115.1	928.4	555.2	275.2
107.5°	1873.0	1885.2	1873.0	1860.9	1857.8	1589.1	1230.8	1051.7	887.1	558.0	311.2
110°	1965.8	2018.4	1965.8	1913.2	1900.0	1599.6	1199.1	998.9	850.5	553.7	331.2





TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1974.0	2054.8	1974.0	1893.3	1873.1	1565.7	1155.8	950.8	818.5	553.9	355.5
115°	1921.7	2033.6	1921.7	1809.7	1781.7	1485.5	1090.6	893.2	781.8	559.0	391.9
117.5°	1810.7	1934.9	1810.7	1686.4	1655.4	1388.2	1031.8	853.6	758.9	569.5	427.4
120°	1721.3	1841.9	1721.3	1600.6	1570.4	1326.2	1000.6	837.8	751.1	577.8	447.9
122.5°	1634.1	1753.2	1634.1	1515.1	1485.4	1265.5	972.2	825.6	747.0	590.0	472.3
125°	1509.9	1619.6	1509.9	1400.3	1372.8	1186.0	936.9	812.4	743.7	606.4	503.4
127.5°	1398.1	1490.7	1398.1	1305.6	1282.5	1122.1	908.2	801.3	741.8	622.8	533.5
130°	1332.3	1417.7	1332.3	1246.9	1225.5	1082.7	892.3	797.1	743.0	634.7	553.5
132.5°	1272.5	1349.1	1272.5	1196.0	1176.9	1049.1	878.6	793.4	743.7	644.5	570.0
135°	1190.7	1256.6	1190.7	1124.7	1108.2	1001.2	858.5	787.1	743.0	655.0	589.0
137.5°	1125.0	1179.0	1125.0	1071.0	1057.5	967.0	846.3	786.0	747.6	670.9	613.3
140°	1080.0	1130.4	1080.0	1029.5	1016.9	938.6	834.4	782.3	748.4	680.5	629.6
142.5°	1042.6	1086.0	1042.6	999.1	988.3	919.6	828.1	782.3	751.1	688.7	641.8
145°	986.6	1019.5	986.6	953.7	945.5	889.4	814.5	777.0	751.1	699.2	660.3
147.5°	943.6	970.9	943.6	916.4	909.6	865.4	806.5	777.0	756.2	714.7	683.6
150°	916.6	938.6	916.6	894.5	889.0	851.7	801.9	777.0	759.0	722.8	695.7
152.5°	893.4	910.1	893.4	876.8	872.6	840.8	798.2	777.0	760.7	728.0	703.6
155°	866.9	877.9	866.9	855.8	853.1	827.7	793.9	777.0	764.6	739.7	721.0
157.5°	845.9	853.6	845.9	838.1	836.2	816.5	790.1	777.0	768.4	751.3	738.4
160°	833.3	837.8	833.3	828.8	827.7	810.8	788.3	777.0	770.2	756.6	746.4
162.5°	825.1	829.3	825.1	820.8	819.8	805.6	786.6	777.0	772.1	762.3	754.9
165°	813.2	817.7	813.2	808.8	807.7	797.5	783.8	777.0	774.8	770.3	767.0
167.5°	804.7	806.6	804.7	802.8	802.4	795.7	786.7	782.3	780.4	776.7	773.9
170°	802.4	802.4	802.4	802.4	802.4	795.7	786.7	782.3	782.2	782.0	781.8
172.5°	796.1	794.5	796.1	797.7	798.2	792.9	785.8	782.3	782.3	782.3	782.3
175°	792.4	792.4	792.4	792.4	792.4	789.0	784.5	782.3	783.3	785.5	787.1
177.5°	789.0	787.1	789.0	790.8	791.3	788.6	785.1	783.3	784.2	785.8	787.1
180°	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1



TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3091.0	3073.7	3073.7	3044.9	3033.4	3024.7	3010.3	2967.0	2955.5	2943.9	2961.3
5°	3117.0	3085.3	3062.2	3010.3	2967.0	2949.7	2894.9	2791.2	2722.0	2670.0	2641.2
7.5°	3122.8	3082.4	3039.1	2958.4	2854.5	2808.4	2641.2	2450.9	2399.0	2352.9	2324.0
10°	3117.0	3070.9	3010.3	2889.1	2644.1	2563.3	2396.1	2272.1	2240.4	2231.7	2240.4
12.5°	3096.8	3053.5	2969.9	2768.1	2425.0	2370.2	2272.1	2200.0	2194.2	2208.7	2286.5
15°	3062.2	3021.8	2923.8	2606.6	2303.8	2263.5	2194.2	2168.3	2200.0	2301.0	2534.5
17.5°	3027.6	2981.4	2860.3	2448.1	2211.5	2182.7	2133.7	2185.6	2364.4	2499.9	2577.7
20°	2981.4	2926.6	2788.3	2332.7	2145.3	2119.3	2096.3	2329.8	2465.3	2514.3	2557.6
22.5°	2926.6	2869.0	2690.2	2251.9	2076.1	2055.9	2070.3	2410.6	2465.3	2499.9	2537.4
25°	2854.5	2805.6	2574.9	2188.5	2021.3	1998.2	2053.0	2401.9	2433.6	2442.3	2517.2
27.5°	2788.3	2724.8	2453.8	2130.9	1954.9	1946.3	2067.4	2364.4	2387.5	2396.1	2476.8
30°	2707.5	2612.4	2318.3	2070.3	1885.7	1882.8	2070.3	2318.3	2312.5	2335.6	2416.3
32.5°	2623.9	2445.2	2165.4	1995.3	1819.4	1816.5	2050.1	2249.0	2243.3	2275.0	2335.6
35°	2546.0	2315.4	1957.8	1908.8	1735.8	1738.7	2001.1	2168.3	2171.2	2200.0	2237.5
37.5°	2465.3	2202.9	1730.1	1813.7	1655.1	1655.1	1934.7	2093.4	2087.6	2096.3	2148.1
40°	2370.2	2027.0	1528.2	1689.7	1580.1	1571.4	1854.0	2012.6	1992.4	1989.6	2061.7
42.5°	2269.2	1833.8	1378.3	1525.3	1493.6	1482.1	1756.0	1914.6	1877.1	1885.7	1978.0
45°	2159.6	1782.0	1262.9	1288.9	1404.2	1395.6	1649.3	1802.2	1776.2	1799.3	1894.4
47.5°	2050.1	1678.1	1225.4	1069.8	1309.1	1306.2	1531.1	1692.6	1678.1	1701.2	1802.2
50°	1900.1	1562.8	1222.5	916.9	1202.3	1213.9	1389.8	1585.9	1585.9	1606.0	1712.8
52.5°	1707.0	1421.5	1110.1	830.4	1078.4	1113.0	1265.8	1493.6	1499.3	1519.5	1614.7
55°	1531.1	1274.5	1029.4	764.1	931.3	1006.3	1144.7	1398.5	1410.0	1430.2	1516.6
57.5°	1369.6	1061.1	1012.1	686.3	795.9	867.9	1038.0	1306.2	1311.9	1329.3	1412.9
60°	1196.6	767.0	928.4	602.6	677.6	732.4	940.0	1196.6	1216.8	1228.3	1300.4
62.5°	1000.5	556.5	841.9	544.9	619.9	631.5	859.2	1092.8	1118.8	1127.5	1170.6
65°	712.2	467.2	715.1	495.9	559.3	562.2	772.8	986.1	1009.2	1023.6	1055.3
67.5°	481.6	380.6	544.9	449.8	513.2	516.1	689.1	862.1	893.8	905.4	925.6
70°	334.5	253.7	403.7	400.8	461.4	467.2	599.7	749.7	778.6	787.2	798.7
72.5°	245.1	204.7	334.5	360.4	406.6	412.4	507.5	622.8	651.6	660.3	666.1
75°	187.4	216.2	271.0	314.3	346.0	348.9	415.2	507.5	527.6	533.4	536.3
77.5°	150.0	201.8	198.9	253.7	282.6	276.8	325.8	392.2	409.5	409.5	409.5
80°	112.5	158.6	150.0	181.6	207.6	201.8	233.5	279.7	285.4	291.2	288.3
82.5°	83.6	100.9	100.9	115.4	138.4	132.7	155.7	181.6	181.6	181.6	187.4
85°	51.9	57.7	46.1	60.6	77.9	75.0	86.5	98.1	100.9	100.9	95.2
87.5°	31.7	26.0	14.4	23.1	34.6	34.6	40.4	43.3	40.4	40.4	40.4
90°	13.8	9.5	5.3	9.5	13.8	14.8	23.3	34.5	40.1	35.7	26.8
92.5°	93.0	57.1	21.1	57.1	93.0	102.0	143.4	198.5	226.1	198.2	142.3
95°	182.2	116.5	50.7	116.5	182.2	198.6	352.6	558.1	660.8	589.7	447.4
97.5°	203.7	145.7	87.7	145.7	203.7	218.2	475.1	817.6	988.8	943.8	854.0
100°	221.4	168.8	116.2	168.8	221.4	234.6	519.6	899.7	1089.7	1093.0	1099.6
102.5°	238.6	189.6	140.5	189.6	238.6	250.9	540.0	925.5	1118.2	1175.5	1290.1
105°	264.8	223.3	181.7	223.3	264.8	275.2	555.2	928.4	1115.1	1243.5	1500.3
107.5°	301.4	262.8	224.0	262.8	301.4	311.2	558.0	887.1	1051.7	1230.8	1589.1
110°	322.4	287.5	252.5	287.5	322.4	331.2	553.7	850.5	998.9	1199.1	1599.6



TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	347.1	313.8	280.5	313.8	347.1	355.5	553.9	818.5	950.8	1155.8	1565.7
115°	384.3	353.5	322.7	353.5	384.3	391.9	559.0	781.8	893.2	1090.6	1485.5
117.5°	420.4	392.4	364.5	392.4	420.4	427.4	569.5	758.9	853.6	1031.8	1388.2
120°	441.3	415.0	388.8	415.0	441.3	447.9	577.8	751.1	837.8	1000.6	1326.2
122.5°	465.6	439.1	412.5	439.1	465.6	472.3	590.0	747.0	825.6	972.2	1265.5
125°	497.3	473.2	449.0	473.2	497.3	503.4	606.4	743.7	812.4	936.9	1186.0
127.5°	527.4	503.0	478.6	503.0	527.4	533.5	622.8	741.8	801.3	908.2	1122.1
130°	547.0	520.7	494.4	520.7	547.0	553.5	634.7	743.0	797.1	892.3	1082.7
132.5°	563.4	537.1	510.8	537.1	563.4	570.0	644.5	743.7	793.4	878.6	1049.1
135°	583.0	559.0	535.1	559.0	583.0	589.0	655.0	743.0	787.1	858.5	1001.2
137.5°	607.3	583.6	559.9	583.6	607.3	613.3	670.9	747.6	786.0	846.3	967.0
140°	624.2	602.4	580.6	602.4	624.2	629.6	680.5	748.4	782.3	834.4	938.6
142.5°	636.8	616.6	596.4	616.6	636.8	641.8	688.7	751.1	782.3	828.1	919.6
145°	655.9	638.3	620.7	638.3	655.9	660.3	699.2	751.1	777.0	814.5	889.4
147.5°	679.3	662.1	645.0	662.1	679.3	683.6	714.7	756.2	777.0	806.5	865.4
150°	691.8	676.3	660.8	676.3	691.8	695.7	722.8	759.0	777.0	801.9	851.7
152.5°	700.7	688.9	677.2	688.9	700.7	703.6	728.0	760.7	777.0	798.2	840.8
155°	718.8	710.1	701.5	710.1	718.8	721.0	739.7	764.6	777.0	793.9	827.7
157.5°	736.3	727.9	719.4	727.9	736.3	738.4	751.3	768.4	777.0	790.1	816.5
160°	744.7	738.2	731.6	738.2	744.7	746.4	756.6	770.2	777.0	788.3	810.8
162.5°	753.6	748.7	743.7	748.7	753.6	754.9	762.3	772.1	777.0	786.6	805.6
165°	765.9	761.3	756.9	761.3	765.9	767.0	770.3	774.8	777.0	783.8	797.5
167.5°	773.4	771.2	769.1	771.2	773.4	773.9	776.7	780.4	782.3	786.7	795.7
170°	781.3	779.2	777.0	779.2	781.3	781.8	782.0	782.2	782.3	786.7	795.7
172.5°	782.2	781.7	781.3	781.7	782.2	782.3	782.3	782.3	782.3	785.8	792.9
175°	787.1	787.1	787.1	787.1	787.1	787.1	785.5	783.3	782.3	784.5	789.0
177.5°	787.1	787.1	787.1	787.1	787.1	787.1	785.8	784.2	783.3	785.1	788.6
180°	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1



TEST NUMBER: P934972  
 CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	2941.1	2932.4	2943.9	2912.2	2943.9	2932.4	2941.1	2961.3	2943.9	2955.5	2967.0
5°	2580.6	2566.2	2520.1	2482.6	2520.1	2566.2	2580.6	2641.2	2670.0	2722.0	2791.2
7.5°	2306.7	2295.2	2283.6	2260.6	2283.6	2295.2	2306.7	2324.0	2352.9	2399.0	2450.9
10°	2246.2	2249.0	2266.3	2263.5	2266.3	2249.0	2246.2	2240.4	2231.7	2240.4	2272.1
12.5°	2401.9	2427.9	2522.9	2517.2	2522.9	2427.9	2401.9	2286.5	2208.7	2194.2	2200.0
15°	2580.6	2589.3	2609.5	2612.4	2609.5	2589.3	2580.6	2534.5	2301.0	2200.0	2168.3
17.5°	2597.9	2600.8	2615.2	2615.2	2615.2	2600.8	2597.9	2577.7	2499.9	2364.4	2185.6
20°	2583.5	2589.3	2618.1	2623.9	2618.1	2589.3	2583.5	2557.6	2514.3	2465.3	2329.8
22.5°	2577.7	2589.3	2612.4	2609.5	2612.4	2589.3	2577.7	2537.4	2499.9	2465.3	2410.6
25°	2548.9	2548.9	2551.8	2554.7	2551.8	2548.9	2548.9	2517.2	2442.3	2433.6	2401.9
27.5°	2488.4	2494.1	2511.4	2508.5	2511.4	2494.1	2488.4	2476.8	2396.1	2387.5	2364.4
30°	2433.6	2427.9	2413.4	2401.9	2413.4	2427.9	2433.6	2416.3	2335.6	2312.5	2318.3
32.5°	2341.3	2326.9	2312.5	2303.8	2312.5	2326.9	2341.3	2335.6	2275.0	2243.3	2249.0
35°	2231.7	2234.6	2231.7	2223.1	2231.7	2234.6	2231.7	2237.5	2200.0	2171.2	2168.3
37.5°	2153.9	2159.6	2156.8	2145.3	2156.8	2159.6	2153.9	2148.1	2096.3	2087.6	2093.4
40°	2073.2	2076.1	2073.2	2064.5	2073.2	2076.1	2073.2	2061.7	1989.6	1992.4	2012.6
42.5°	1995.3	1992.4	1983.8	1978.0	1983.8	1992.4	1995.3	1978.0	1885.7	1877.1	1914.6
45°	1905.9	1908.8	1891.5	1882.8	1891.5	1908.8	1905.9	1894.4	1799.3	1776.2	1802.2
47.5°	1816.5	1816.5	1802.2	1793.5	1802.2	1816.5	1816.5	1802.2	1701.2	1678.1	1692.6
50°	1721.4	1718.5	1698.3	1695.5	1698.3	1718.5	1721.4	1712.8	1606.0	1585.9	1585.9
52.5°	1611.8	1611.8	1614.7	1620.5	1614.7	1611.8	1611.8	1614.7	1519.5	1499.3	1493.6
55°	1516.6	1519.5	1539.7	1545.5	1539.7	1519.5	1516.6	1516.6	1430.2	1410.0	1398.5
57.5°	1418.7	1418.7	1433.1	1433.1	1433.1	1418.7	1418.7	1412.9	1329.3	1311.9	1306.2
60°	1306.2	1311.9	1323.5	1320.6	1323.5	1311.9	1306.2	1300.4	1228.3	1216.8	1196.6
62.5°	1187.9	1193.7	1196.6	1190.8	1196.6	1193.7	1187.9	1170.6	1127.5	1118.8	1092.8
65°	1064.0	1069.8	1072.7	1066.9	1072.7	1069.8	1064.0	1055.3	1023.6	1009.2	986.1
67.5°	937.1	934.2	931.3	942.9	931.3	934.2	937.1	925.6	905.4	893.8	862.1
70°	807.4	807.4	804.5	810.3	804.5	807.4	807.4	798.7	787.2	778.6	749.7
72.5°	669.0	666.1	677.6	669.0	677.6	666.1	669.0	666.1	660.3	651.6	622.8
75°	533.4	539.2	533.4	542.0	533.4	539.2	533.4	536.3	533.4	527.6	507.5
77.5°	406.6	412.4	406.6	406.6	406.6	412.4	406.6	409.5	409.5	409.5	392.2
80°	288.3	285.4	285.4	282.6	285.4	285.4	288.3	288.3	291.2	285.4	279.7
82.5°	184.5	181.6	181.6	187.4	181.6	181.6	184.5	187.4	181.6	181.6	181.6
85°	100.9	103.8	98.1	98.1	98.1	103.8	100.9	95.2	100.9	100.9	98.1
87.5°	37.5	34.6	34.6	34.6	34.6	34.6	37.5	40.4	40.4	40.4	43.3
90°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	26.8	35.7	40.1	34.5
92.5°	100.4	96.4	80.4	64.4	80.4	96.4	100.4	142.3	198.2	226.1	198.5
95°	340.7	328.6	280.3	231.9	280.3	328.6	340.7	447.4	589.7	660.8	558.1
97.5°	786.6	763.6	671.5	579.4	671.5	763.6	786.6	854.0	943.8	988.8	817.6
100°	1104.5	1077.1	967.5	857.9	967.5	1077.1	1104.5	1099.6	1093.0	1089.7	899.7
102.5°	1376.1	1352.6	1258.7	1164.8	1258.7	1352.6	1376.1	1290.1	1175.5	1118.2	925.5
105°	1692.9	1680.3	1629.8	1579.4	1629.8	1680.3	1692.9	1500.3	1243.5	1115.1	928.4
107.5°	1857.8	1860.9	1873.0	1885.2	1873.0	1860.9	1857.8	1589.1	1230.8	1051.7	887.1
110°	1900.0	1913.2	1965.8	2018.4	1965.8	1913.2	1900.0	1599.6	1199.1	998.9	850.5



TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1873.1	1893.3	1974.0	2054.8	1974.0	1893.3	1873.1	1565.7	1155.8	950.8	818.5
115°	1781.7	1809.7	1921.7	2033.6	1921.7	1809.7	1781.7	1485.5	1090.6	893.2	781.8
117.5°	1655.4	1686.4	1810.7	1934.9	1810.7	1686.4	1655.4	1388.2	1031.8	853.6	758.9
120°	1570.4	1600.6	1721.3	1841.9	1721.3	1600.6	1570.4	1326.2	1000.6	837.8	751.1
122.5°	1485.4	1515.1	1634.1	1753.2	1634.1	1515.1	1485.4	1265.5	972.2	825.6	747.0
125°	1372.8	1400.3	1509.9	1619.6	1509.9	1400.3	1372.8	1186.0	936.9	812.4	743.7
127.5°	1282.5	1305.6	1398.1	1490.7	1398.1	1305.6	1282.5	1122.1	908.2	801.3	741.8
130°	1225.5	1246.9	1332.3	1417.7	1332.3	1246.9	1225.5	1082.7	892.3	797.1	743.0
132.5°	1176.9	1196.0	1272.5	1349.1	1272.5	1196.0	1176.9	1049.1	878.6	793.4	743.7
135°	1108.2	1124.7	1190.7	1256.6	1190.7	1124.7	1108.2	1001.2	858.5	787.1	743.0
137.5°	1057.5	1071.0	1125.0	1179.0	1125.0	1071.0	1057.5	967.0	846.3	786.0	747.6
140°	1016.9	1029.5	1080.0	1130.4	1080.0	1029.5	1016.9	938.6	834.4	782.3	748.4
142.5°	988.3	999.1	1042.6	1086.0	1042.6	999.1	988.3	919.6	828.1	782.3	751.1
145°	945.5	953.7	986.6	1019.5	986.6	953.7	945.5	889.4	814.5	777.0	751.1
147.5°	909.6	916.4	943.6	970.9	943.6	916.4	909.6	865.4	806.5	777.0	756.2
150°	889.0	894.5	916.6	938.6	916.6	894.5	889.0	851.7	801.9	777.0	759.0
152.5°	872.6	876.8	893.4	910.1	893.4	876.8	872.6	840.8	798.2	777.0	760.7
155°	853.1	855.8	866.9	877.9	866.9	855.8	853.1	827.7	793.9	777.0	764.6
157.5°	836.2	838.1	845.9	853.6	845.9	838.1	836.2	816.5	790.1	777.0	768.4
160°	827.7	828.8	833.3	837.8	833.3	828.8	827.7	810.8	788.3	777.0	770.2
162.5°	819.8	820.8	825.1	829.3	825.1	820.8	819.8	805.6	786.6	777.0	772.1
165°	807.7	808.8	813.2	817.7	813.2	808.8	807.7	797.5	783.8	777.0	774.8
167.5°	802.4	802.8	804.7	806.6	804.7	802.8	802.4	795.7	786.7	782.3	780.4
170°	802.4	802.4	802.4	802.4	802.4	802.4	802.4	795.7	786.7	782.3	782.2
172.5°	798.2	797.7	796.1	794.5	796.1	797.7	798.2	792.9	785.8	782.3	782.3
175°	792.4	792.4	792.4	792.4	792.4	792.4	792.4	789.0	784.5	782.3	783.3
177.5°	791.3	790.8	789.0	787.1	789.0	790.8	791.3	788.6	785.1	783.3	784.2
180°	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1	787.1



TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3010.3	3024.7	3033.4	3044.9	3073.7
5°	2894.9	2949.7	2967.0	3010.3	3062.2
7.5°	2641.2	2808.4	2854.5	2958.4	3039.1
10°	2396.1	2563.3	2644.1	2889.1	3010.3
12.5°	2272.1	2370.2	2425.0	2768.1	2969.9
15°	2194.2	2263.5	2303.8	2606.6	2923.8
17.5°	2133.7	2182.7	2211.5	2448.1	2860.3
20°	2096.3	2119.3	2145.3	2332.7	2788.3
22.5°	2070.3	2055.9	2076.1	2251.9	2690.2
25°	2053.0	1998.2	2021.3	2188.5	2574.9
27.5°	2067.4	1946.3	1954.9	2130.9	2453.8
30°	2070.3	1882.8	1885.7	2070.3	2318.3
32.5°	2050.1	1816.5	1819.4	1995.3	2165.4
35°	2001.1	1738.7	1735.8	1908.8	1957.8
37.5°	1934.7	1655.1	1655.1	1813.7	1730.1
40°	1854.0	1571.4	1580.1	1689.7	1528.2
42.5°	1756.0	1482.1	1493.6	1525.3	1378.3
45°	1649.3	1395.6	1404.2	1288.9	1262.9
47.5°	1531.1	1306.2	1309.1	1069.8	1225.4
50°	1389.8	1213.9	1202.3	916.9	1222.5
52.5°	1265.8	1113.0	1078.4	830.4	1110.1
55°	1144.7	1006.3	931.3	764.1	1029.4
57.5°	1038.0	867.9	795.9	686.3	1012.1
60°	940.0	732.4	677.6	602.6	928.4
62.5°	859.2	631.5	619.9	544.9	841.9
65°	772.8	562.2	559.3	495.9	715.1
67.5°	689.1	516.1	513.2	449.8	544.9
70°	599.7	467.2	461.4	400.8	403.7
72.5°	507.5	412.4	406.6	360.4	334.5
75°	415.2	348.9	346.0	314.3	271.0
77.5°	325.8	276.8	282.6	253.7	198.9
80°	233.5	201.8	207.6	181.6	150.0
82.5°	155.7	132.7	138.4	115.4	100.9
85°	86.5	75.0	77.9	60.6	46.1
87.5°	40.4	34.6	34.6	23.1	14.4
90°	23.3	14.8	13.8	9.5	5.3
92.5°	143.4	102.0	93.0	57.1	21.1
95°	352.6	198.6	182.2	116.5	50.7
97.5°	475.1	218.2	203.7	145.7	87.7
100°	519.6	234.6	221.4	168.8	116.2
102.5°	540.0	250.9	238.6	189.6	140.5
105°	555.2	275.2	264.8	223.3	181.7
107.5°	558.0	311.2	301.4	262.8	224.0
110°	553.7	331.2	322.4	287.5	252.5



TEST NUMBER: P934972

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	553.9	355.5	347.1	313.8	280.5
115°	559.0	391.9	384.3	353.5	322.7
117.5°	569.5	427.4	420.4	392.4	364.5
120°	577.8	447.9	441.3	415.0	388.8
122.5°	590.0	472.3	465.6	439.1	412.5
125°	606.4	503.4	497.3	473.2	449.0
127.5°	622.8	533.5	527.4	503.0	478.6
130°	634.7	553.5	547.0	520.7	494.4
132.5°	644.5	570.0	563.4	537.1	510.8
135°	655.0	589.0	583.0	559.0	535.1
137.5°	670.9	613.3	607.3	583.6	559.9
140°	680.5	629.6	624.2	602.4	580.6
142.5°	688.7	641.8	636.8	616.6	596.4
145°	699.2	660.3	655.9	638.3	620.7
147.5°	714.7	683.6	679.3	662.1	645.0
150°	722.8	695.7	691.8	676.3	660.8
152.5°	728.0	703.6	700.7	688.9	677.2
155°	739.7	721.0	718.8	710.1	701.5
157.5°	751.3	738.4	736.3	727.9	719.4
160°	756.6	746.4	744.7	738.2	731.6
162.5°	762.3	754.9	753.6	748.7	743.7
165°	770.3	767.0	765.9	761.3	756.9
167.5°	776.7	773.9	773.4	771.2	769.1
170°	782.0	781.8	781.3	779.2	777.0
172.5°	782.3	782.3	782.2	781.7	781.3
175°	785.5	787.1	787.1	787.1	787.1
177.5°	785.8	787.1	787.1	787.1	787.1
180°	787.1	787.1	787.1	787.1	787.1



TEST NUMBER: P934972  
 CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-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	14.95	15.92	15.81	16.80	17.91	17.79	18.75	18.65	19.64	20.74
	3H	15.44	16.30	16.31	17.19	18.33	19.14	20.01	20.02	20.90	22.04
	4H	15.63	16.45	16.52	17.35	18.49	19.59	20.41	20.48	21.31	22.46
	6H	15.76	16.51	16.65	17.41	18.57	19.89	20.64	20.79	21.55	22.70
	8H	15.76	16.48	16.67	17.40	18.56	19.97	20.68	20.87	21.61	22.76
	12H	15.73	16.42	16.65	17.33	18.52	20.01	20.69	20.92	21.61	22.79
4H	2H	16.00	16.82	16.89	17.71	18.86	18.21	19.03	19.10	19.93	21.07
	3H	17.03	17.72	17.94	18.65	19.81	19.73	20.41	20.63	21.34	22.50
	4H	17.31	17.94	18.23	18.86	20.05	20.26	20.88	21.18	21.81	22.99
	6H	17.45	17.98	18.37	18.93	20.12	20.64	21.17	21.56	22.12	23.31
	8H	17.45	17.96	18.39	18.90	20.10	20.75	21.25	21.68	22.19	23.39
	12H	17.43	17.88	18.38	18.84	20.04	20.81	21.26	21.76	22.22	23.43
8H	4H	17.78	18.28	18.71	19.22	20.42	20.39	20.90	21.33	21.84	23.04
	6H	18.04	18.46	19.00	19.44	20.64	20.84	21.25	21.80	22.24	23.44
	8H	18.09	18.45	19.06	19.43	20.65	20.99	21.36	21.96	22.33	23.55
	12H	18.08	18.40	19.05	19.37	20.63	21.10	21.42	22.07	22.39	23.65
12H	4H	17.79	18.24	18.74	19.20	20.41	20.36	20.82	21.32	21.78	22.98
	6H	18.11	18.47	19.07	19.45	20.66	20.84	21.20	21.80	22.18	23.39
	8H	18.18	18.50	19.15	19.47	20.73	21.00	21.33	21.97	22.29	23.56