

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: P935007

Luminaire Tested: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935007
REPORT IS A COMBINATION OF REPORTS P933719 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

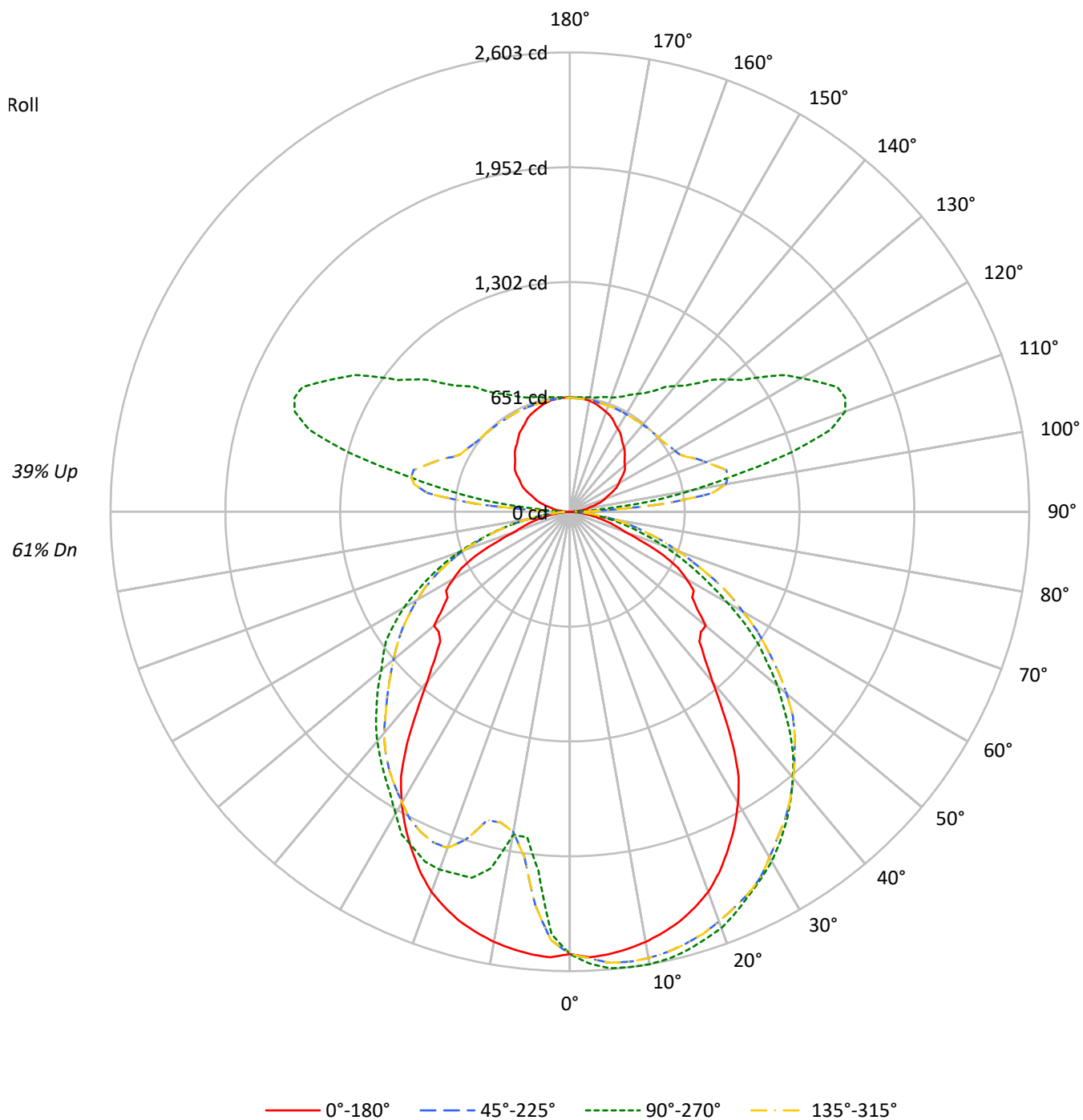
Lumens per Lamp: N/A
Luminaire Lumens: 10694.3 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 93
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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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	110	110	110	110		103	103	103	103		89	89	89		77	77	77		66	66	66
1	100	96	92	88		94	90	86	83		79	76	74		68	66	65		59	57	56
2	91	84	78	72		85	79	73	68		69	65	61		60	57	54		52	49	47
3	83	74	66	60		78	69	63	57		61	56	51		53	49	46		46	43	40
4	76	65	57	51		71	61	54	49		54	48	44		47	43	39		41	37	35
5	70	58	50	44		65	55	47	42		48	42	38		42	38	34		37	33	30
6	65	52	44	38		60	49	42	36		44	37	33		38	33	30		33	29	26
7	60	47	39	33		56	45	37	32		39	33	29		35	30	26		30	26	23
8	55	43	35	29		52	40	33	28		36	30	26		32	27	23		28	24	21
9	52	39	31	26		48	37	30	25		33	27	23		29	24	21		26	22	19
10	48	36	29	24		45	34	27	23		30	25	21		27	22	19		24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15611	15647	15611	12304
10°	15501	15414	15501	11019
15°	15326	15079	15326	12591
20°	15000	14684	15000	12618
25°	14338	14107	14338	12351
30°	13484	13628	13484	11764
35°	12016	13022	12016	11118
40°	10006	12308	10006	10631
45°	8935	11474	8935	10070
50°	9486	10478	9486	9508
55°	8915	9405	8915	9182
60°	9180	7988	9180	8411
65°	8310	6603	8310	7381
70°	5740	5262	5740	6187
75°	5016	3890	5016	4658
80°	4013	2571	4013	2800
85°	2260	1362	2260	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 13702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	2.1
10°-20°	642.2	6.0
20°-30°	992.7	9.3
30°-40°	1185.1	11.1
40°-50°	1192.1	11.1
50°-60°	1037.2	9.7
60°-70°	735.4	6.9
70°-80°	389.1	3.6
80°-90°	99.4	0.9
90°-100°	315.4	2.9
100°-110°	829.3	7.8
110°-120°	859.9	8.0
120°-130°	689.7	6.4
130°-140°	541.2	5.1
140°-150°	415.4	3.9
150°-160°	299.2	2.8
160°-170°	183.0	1.7
170°-180°	61.8	0.6
0°-30°	1861.1	17.4
0°-40°	3046.2	28.5
0°-60°	5275.5	49.3
0°-90°	6499.4	60.8
90°-120°	2004.6	18.7
90°-150°	3650.9	34.1
90°-180°	4195.0	39.2
0°-180°	10694.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2506	2506	2506	2506	2506	
5°	2518	2596	2518	2041	2518	239
15°	2404	2572	2404	2148	2404	676
25°	2117	2399	2117	2100	2117	972
35°	1610	2141	1610	1828	1610	996
45°	1038	1764	1038	1548	1038	832
55°	846	1301	846	1271	846	778
65°	588	785	588	877	588	562
75°	223	372	223	446	223	234
85°	38	95	38	81	38	51
90°	4	16	4	16	4	5
95°	42	191	42	191	42	46
105°	149	1298	149	1298	149	158
115°	265	1672	265	1672	265	262
125°	369	1332	369	1332	369	328
135°	440	1033	440	1033	440	340
145°	510	838	510	838	510	320
155°	577	722	577	722	577	265
165°	622	672	622	672	622	176
175°	647	652	647	652	647	61
180°	647	647	647	647	647	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2527.0	2527.0	2541.3	2546.0	2546.0	2538.9	2531.8	2538.9	2560.3	2567.4	2565.0
5°	2517.6	2536.6	2562.6	2567.4	2572.1	2569.7	2565.0	2569.7	2593.4	2598.2	2600.5
7.5°	2498.6	2534.1	2567.4	2574.5	2581.6	2574.5	2572.1	2576.8	2600.5	2605.3	2605.3
10°	2474.9	2524.7	2562.6	2567.4	2574.5	2567.4	2567.4	2576.8	2600.5	2605.3	2607.6
12.5°	2441.8	2510.5	2546.0	2550.8	2560.3	2557.9	2555.5	2565.0	2588.7	2593.4	2593.4
15°	2403.8	2484.3	2517.6	2522.4	2538.9	2534.1	2534.1	2543.7	2569.7	2576.8	2574.5
17.5°	2351.6	2451.2	2489.1	2496.2	2508.1	2505.7	2508.1	2517.6	2541.3	2546.0	2548.4
20°	2292.4	2406.2	2451.2	2458.3	2470.1	2470.1	2470.1	2482.0	2505.7	2515.2	2515.2
22.5°	2211.8	2358.7	2406.2	2410.9	2425.1	2425.1	2429.9	2446.4	2467.8	2470.1	2470.1
25°	2116.9	2306.6	2346.9	2361.2	2375.3	2382.4	2389.5	2399.1	2406.2	2403.8	2406.2
27.5°	2017.3	2240.2	2292.4	2301.8	2320.8	2327.9	2337.4	2339.8	2342.2	2349.3	2344.5
30°	1905.9	2147.7	2226.0	2235.4	2266.3	2271.0	2261.6	2266.3	2278.1	2282.9	2287.6
32.5°	1780.3	2010.2	2157.3	2178.6	2207.0	2192.8	2190.4	2197.5	2216.5	2216.5	2221.2
35°	1609.7	1903.6	2093.3	2112.2	2133.5	2116.9	2126.4	2128.8	2140.6	2147.7	2145.4
37.5°	1422.4	1811.1	2026.9	2041.1	2057.7	2036.3	2050.6	2057.7	2067.1	2062.5	2062.5
40°	1256.4	1666.5	1948.6	1958.1	1972.3	1955.7	1970.0	1974.8	1979.4	1974.8	1972.3
42.5°	1133.1	1507.7	1865.7	1877.5	1868.0	1879.9	1884.6	1894.2	1887.0	1877.5	1877.5
45°	1038.3	1465.1	1775.5	1789.8	1775.5	1794.6	1801.7	1801.7	1780.3	1775.5	1773.2
47.5°	1007.5	1379.7	1685.5	1685.5	1678.4	1702.1	1714.0	1697.4	1676.0	1668.9	1668.9
50°	1005.2	1284.9	1562.2	1552.8	1585.9	1614.4	1602.6	1585.9	1569.3	1543.2	1543.2
52.5°	912.7	1168.7	1403.4	1438.9	1491.1	1507.7	1488.7	1472.2	1443.7	1431.8	1422.4
55°	846.3	1047.8	1258.8	1329.9	1384.5	1405.8	1370.2	1353.6	1311.0	1303.9	1299.1
57.5°	832.1	872.4	1126.0	1216.2	1282.5	1280.1	1258.8	1227.9	1192.4	1185.3	1182.9
60°	763.4	630.5	983.8	1090.4	1159.2	1152.1	1133.1	1104.7	1071.5	1066.8	1062.1
62.5°	692.2	457.6	822.6	943.5	1040.7	1038.3	1021.7	979.0	955.4	943.5	934.0
65°	588.0	384.1	585.5	784.7	924.6	929.2	893.7	862.9	836.9	822.6	820.2
67.5°	448.0	312.9	395.9	654.3	813.1	808.4	763.4	749.1	715.9	708.8	694.6
70°	331.9	208.7	275.0	531.0	704.0	692.2	656.7	640.1	609.2	592.6	583.2
72.5°	275.0	168.3	201.5	412.5	592.6	578.4	547.6	528.6	502.6	488.4	478.9
75°	222.9	177.8	154.1	305.8	481.2	471.8	443.3	424.3	403.0	384.1	386.4
77.5°	163.5	166.0	123.3	225.2	381.6	367.4	350.8	327.2	317.7	298.7	298.7
80°	123.3	130.4	92.5	154.1	275.0	275.0	260.8	244.1	227.6	218.1	218.1
82.5°	82.9	82.9	68.7	97.2	187.3	180.2	170.6	166.0	156.4	151.7	151.7
85°	37.9	47.4	42.7	59.3	101.9	106.7	106.7	101.9	99.6	94.8	97.2
87.5°	11.9	21.3	26.1	33.2	52.1	54.5	56.9	56.9	56.9	59.3	59.3
90°	4.3	7.8	11.3	12.1	19.1	28.3	33.0	29.3	22.0	16.5	16.5
92.5°	17.4	46.9	76.4	83.8	117.8	163.2	185.9	162.9	116.9	82.5	79.2
95°	41.7	95.7	149.7	163.3	289.9	458.9	543.3	484.8	367.8	280.1	270.2
97.5°	72.1	119.7	167.4	179.3	390.6	672.2	813.0	776.1	702.2	646.7	627.7
100°	95.5	138.8	182.0	192.9	427.2	739.7	896.0	898.7	904.1	908.1	885.6
102.5°	115.5	155.9	196.2	206.3	444.0	760.9	919.4	966.5	1060.7	1131.4	1112.0
105°	149.4	183.6	217.8	226.3	456.4	763.4	916.8	1022.4	1233.5	1391.9	1381.6
107.5°	184.2	216.0	247.9	255.8	458.8	729.4	864.7	1012.0	1306.6	1527.5	1530.0
110°	207.6	236.4	265.1	272.3	455.2	699.3	821.3	985.9	1315.3	1562.2	1573.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	230.6	258.0	285.4	292.2	455.4	672.9	781.8	950.3	1287.2	1540.0	1556.6
115°	265.3	290.7	315.9	322.2	459.6	642.8	734.4	896.7	1221.4	1464.9	1487.9
117.5°	299.6	322.6	345.6	351.4	468.2	623.9	701.8	848.4	1141.3	1361.1	1386.6
120°	319.6	341.3	362.9	368.3	475.1	617.6	688.8	822.7	1090.4	1291.2	1316.0
122.5°	339.2	361.0	382.8	388.3	485.1	614.3	678.8	799.3	1040.4	1221.2	1245.7
125°	369.1	389.0	408.9	413.9	498.6	611.5	668.0	770.4	975.2	1128.7	1151.2
127.5°	393.5	413.6	433.6	438.6	512.0	609.9	658.8	746.7	922.6	1054.5	1073.5
130°	406.5	428.1	449.7	455.1	521.9	610.9	655.4	733.7	890.2	1007.6	1025.2
132.5°	419.9	441.6	463.2	468.6	529.9	611.5	652.3	722.4	862.5	967.6	983.3
135°	439.9	459.6	479.3	484.3	538.5	610.9	647.1	705.7	823.1	911.1	924.7
137.5°	460.4	479.8	499.3	504.2	551.5	614.7	646.2	695.8	795.0	869.5	880.6
140°	477.3	495.2	513.2	517.7	559.6	615.3	643.2	686.0	771.8	836.0	846.4
142.5°	490.4	507.0	523.6	527.7	566.2	617.5	643.2	680.8	756.1	812.6	821.5
145°	510.3	524.8	539.2	542.8	574.9	617.6	638.9	669.7	731.2	777.4	784.1
147.5°	530.2	544.3	558.4	562.0	587.6	621.8	638.9	663.0	711.5	747.9	753.5
150°	543.3	556.0	568.8	572.0	594.3	624.0	638.9	659.3	700.2	730.9	735.5
152.5°	556.8	566.5	576.1	578.5	598.6	625.4	638.9	656.3	691.3	717.5	721.0
155°	576.7	583.8	591.0	592.8	608.1	628.6	638.9	652.8	680.6	701.4	703.7
157.5°	591.5	598.5	605.4	607.2	617.7	631.9	638.9	649.7	671.3	687.5	689.1
160°	601.5	606.9	612.3	613.6	622.0	633.3	638.9	648.1	666.6	680.5	681.4
162.5°	611.5	615.6	619.6	620.6	626.7	634.8	638.9	646.7	662.3	674.1	674.9
165°	622.3	626.1	629.7	630.6	633.3	637.0	638.9	644.5	655.7	664.1	665.0
167.5°	632.3	634.1	635.8	636.2	638.6	641.7	643.2	646.8	654.2	659.7	660.1
170°	638.9	640.6	642.3	642.8	642.9	643.1	643.2	646.8	654.2	659.7	659.7
172.5°	642.3	642.7	643.1	643.2	643.2	643.2	643.2	646.0	651.8	656.2	655.9
175°	647.1	647.1	647.1	647.1	645.8	644.0	643.2	645.0	648.7	651.5	651.5
177.5°	647.1	647.1	647.1	647.1	646.0	644.7	644.1	645.6	648.5	650.6	650.3
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2569.7	2562.6	2569.7	2565.0	2567.4	2560.3	2538.9	2531.8	2538.9	2546.0	2546.0
5°	2600.5	2595.8	2600.5	2600.5	2598.2	2593.4	2569.7	2565.0	2569.7	2572.1	2567.4
7.5°	2610.1	2603.0	2610.1	2605.3	2605.3	2600.5	2576.8	2572.1	2574.5	2581.6	2574.5
10°	2610.1	2603.0	2610.1	2607.6	2605.3	2600.5	2576.8	2567.4	2567.4	2574.5	2567.4
12.5°	2598.2	2593.4	2598.2	2593.4	2593.4	2588.7	2565.0	2555.5	2557.9	2560.3	2550.8
15°	2579.2	2572.1	2579.2	2574.5	2576.8	2569.7	2543.7	2534.1	2534.1	2538.9	2522.4
17.5°	2550.8	2541.3	2550.8	2548.4	2546.0	2541.3	2517.6	2508.1	2505.7	2508.1	2496.2
20°	2517.6	2510.5	2517.6	2515.2	2515.2	2505.7	2482.0	2470.1	2470.1	2470.1	2458.3
22.5°	2465.4	2458.3	2465.4	2470.1	2470.1	2467.8	2446.4	2429.9	2425.1	2425.1	2410.9
25°	2406.2	2399.1	2406.2	2406.2	2403.8	2406.2	2399.1	2389.5	2382.4	2375.3	2361.2
27.5°	2349.3	2344.5	2349.3	2344.5	2349.3	2342.2	2339.8	2337.4	2327.9	2320.8	2301.8
30°	2292.4	2287.6	2292.4	2287.6	2282.9	2278.1	2266.3	2261.6	2271.0	2266.3	2235.4
32.5°	2221.2	2216.5	2221.2	2221.2	2216.5	2216.5	2197.5	2190.4	2192.8	2207.0	2178.6
35°	2147.7	2140.6	2147.7	2145.4	2147.7	2140.6	2128.8	2126.4	2116.9	2133.5	2112.2
37.5°	2062.5	2055.3	2062.5	2062.5	2062.5	2067.1	2057.7	2050.6	2036.3	2057.7	2041.1
40°	1974.8	1965.2	1974.8	1972.3	1974.8	1979.4	1974.8	1970.0	1955.7	1972.3	1958.1
42.5°	1875.2	1872.8	1875.2	1877.5	1877.5	1887.0	1894.2	1884.6	1879.9	1868.0	1877.5
45°	1768.4	1763.8	1768.4	1773.2	1775.5	1780.3	1801.7	1801.7	1794.6	1775.5	1789.8
47.5°	1654.7	1642.8	1654.7	1668.9	1668.9	1676.0	1697.4	1714.0	1702.1	1678.4	1685.5
50°	1533.8	1536.1	1533.8	1543.2	1543.2	1569.3	1585.9	1602.6	1614.4	1585.9	1552.8
52.5°	1415.3	1412.9	1415.3	1422.4	1431.8	1443.7	1472.2	1488.7	1507.7	1491.1	1438.9
55°	1296.7	1301.4	1296.7	1299.1	1303.9	1311.0	1353.6	1370.2	1405.8	1384.5	1329.9
57.5°	1178.1	1171.0	1178.1	1182.9	1185.3	1192.4	1227.9	1258.8	1280.1	1282.5	1216.2
60°	1040.7	1031.2	1040.7	1062.1	1066.8	1071.5	1104.7	1133.1	1152.1	1159.2	1090.4
62.5°	919.8	903.2	919.8	934.0	943.5	955.4	979.0	1021.7	1038.3	1040.7	943.5
65°	791.8	784.7	791.8	820.2	822.6	836.9	862.9	893.7	929.2	924.6	784.7
67.5°	675.7	675.7	675.7	694.6	708.8	715.9	749.1	763.4	808.4	813.1	654.3
70°	568.9	566.6	568.9	583.2	592.6	609.2	640.1	656.7	692.2	704.0	531.0
72.5°	467.0	464.7	467.0	478.9	488.4	502.6	528.6	547.6	578.4	592.6	412.5
75°	377.0	372.2	377.0	386.4	384.1	403.0	424.3	443.3	471.8	481.2	305.8
77.5°	289.3	289.3	289.3	298.7	298.7	317.7	327.2	350.8	367.4	381.6	225.2
80°	215.8	213.3	215.8	218.1	218.1	227.6	244.1	260.8	275.0	275.0	154.1
82.5°	151.7	147.0	151.7	151.7	151.7	156.4	166.0	170.6	180.2	187.3	97.2
85°	94.8	94.8	94.8	97.2	94.8	99.6	101.9	106.7	106.7	101.9	59.3
87.5°	61.6	59.3	61.6	59.3	59.3	56.9	56.9	56.9	54.5	52.1	33.2
90°	16.5	16.5	16.5	16.5	16.5	22.0	29.3	33.0	28.3	19.1	12.1
92.5°	66.0	53.0	66.0	79.2	82.5	116.9	162.9	185.9	163.2	117.8	83.8
95°	230.4	190.6	230.4	270.2	280.1	367.8	484.8	543.3	458.9	289.9	163.3
97.5°	552.1	476.4	552.1	627.7	646.7	702.2	776.1	813.0	672.2	390.6	179.3
100°	795.4	705.3	795.4	885.6	908.1	904.1	898.7	896.0	739.7	427.2	192.9
102.5°	1034.9	957.6	1034.9	1112.0	1131.4	1060.7	966.5	919.4	760.9	444.0	206.3
105°	1340.0	1298.5	1340.0	1381.6	1391.9	1233.5	1022.4	916.8	763.4	456.4	226.3
107.5°	1540.0	1550.0	1540.0	1530.0	1527.5	1306.6	1012.0	864.7	729.4	458.8	255.8
110°	1616.2	1659.4	1616.2	1573.0	1562.2	1315.3	985.9	821.3	699.3	455.2	272.3

TEST NUMBER: P935007

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1623.0	1689.4	1623.0	1556.6	1540.0	1287.2	950.3	781.8	672.9	455.4	292.2
115°	1580.0	1672.0	1580.0	1487.9	1464.9	1221.4	896.7	734.4	642.8	459.6	322.2
117.5°	1488.7	1590.8	1488.7	1386.6	1361.1	1141.3	848.4	701.8	623.9	468.2	351.4
120°	1415.2	1514.4	1415.2	1316.0	1291.2	1090.4	822.7	688.8	617.6	475.1	368.3
122.5°	1343.6	1441.4	1343.6	1245.7	1221.2	1040.4	799.3	678.8	614.3	485.1	388.3
125°	1241.5	1331.6	1241.5	1151.2	1128.7	975.2	770.4	668.0	611.5	498.6	413.9
127.5°	1149.6	1225.6	1149.6	1073.5	1054.5	922.6	746.7	658.8	609.9	512.0	438.6
130°	1095.4	1165.6	1095.4	1025.2	1007.6	890.2	733.7	655.4	610.9	521.9	455.1
132.5°	1046.3	1109.2	1046.3	983.3	967.6	862.5	722.4	652.3	611.5	529.9	468.6
135°	978.9	1033.2	978.9	924.7	911.1	823.1	705.7	647.1	610.9	538.5	484.3
137.5°	924.9	969.4	924.9	880.6	869.5	795.0	695.8	646.2	614.7	551.5	504.2
140°	888.0	929.4	888.0	846.4	836.0	771.8	686.0	643.2	615.3	559.6	517.7
142.5°	857.2	892.9	857.2	821.5	812.6	756.1	680.8	643.2	617.5	566.2	527.7
145°	811.2	838.2	811.2	784.1	777.4	731.2	669.7	638.9	617.6	574.9	542.8
147.5°	775.8	798.2	775.8	753.5	747.9	711.5	663.0	638.9	621.8	587.6	562.0
150°	753.6	771.8	753.6	735.5	730.9	700.2	659.3	638.9	624.0	594.3	572.0
152.5°	734.6	748.3	734.6	721.0	717.5	691.3	656.3	638.9	625.4	598.6	578.5
155°	712.7	721.8	712.7	703.7	701.4	680.6	652.8	638.9	628.6	608.1	592.8
157.5°	695.5	701.8	695.5	689.1	687.5	671.3	649.7	638.9	631.9	617.7	607.2
160°	685.1	688.8	685.1	681.4	680.5	666.6	648.1	638.9	633.3	622.0	613.6
162.5°	678.4	681.8	678.4	674.9	674.1	662.3	646.7	638.9	634.8	626.7	620.6
165°	668.7	672.3	668.7	665.0	664.1	655.7	644.5	638.9	637.0	633.3	630.6
167.5°	661.6	663.1	661.6	660.1	659.7	654.2	646.8	643.2	641.7	638.6	636.2
170°	659.7	659.7	659.7	659.7	659.7	654.2	646.8	643.2	643.1	642.9	642.8
172.5°	654.5	653.1	654.5	655.9	656.2	651.8	646.0	643.2	643.2	643.2	643.2
175°	651.5	651.5	651.5	651.5	651.5	648.7	645.0	643.2	644.0	645.8	647.1
177.5°	648.7	647.1	648.7	650.3	650.6	648.5	645.6	644.1	644.7	646.0	647.1
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P935007

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2541.3	2527.0	2527.0	2503.4	2493.9	2486.8	2474.9	2439.3	2429.9	2420.4	2434.6
5°	2562.6	2536.6	2517.6	2474.9	2439.3	2425.1	2380.1	2294.7	2237.9	2195.2	2171.5
7.5°	2567.4	2534.1	2498.6	2432.2	2346.9	2308.9	2171.5	2015.0	1972.3	1934.4	1910.7
10°	2562.6	2524.7	2474.9	2375.3	2173.9	2107.5	1970.0	1868.0	1841.9	1834.8	1841.9
12.5°	2546.0	2510.5	2441.8	2275.8	1993.7	1948.6	1868.0	1808.8	1804.0	1815.9	1879.9
15°	2517.6	2484.3	2403.8	2143.1	1894.2	1860.9	1804.0	1782.7	1808.8	1891.7	2083.8
17.5°	2489.1	2451.2	2351.6	2012.7	1818.2	1794.6	1754.2	1796.9	1943.9	2055.3	2119.3
20°	2451.2	2406.2	2292.4	1917.8	1763.8	1742.4	1723.4	1915.4	2026.9	2067.1	2102.7
22.5°	2406.2	2358.7	2211.8	1851.5	1706.8	1690.3	1702.1	1981.9	2026.9	2055.3	2086.1
25°	2346.9	2306.6	2116.9	1799.3	1661.8	1642.8	1687.8	1974.8	2000.8	2007.9	2069.6
27.5°	2292.4	2240.2	2017.3	1751.9	1607.2	1600.1	1699.7	1943.9	1962.9	1970.0	2036.3
30°	2226.0	2147.7	1905.9	1702.1	1550.3	1548.0	1702.1	1905.9	1901.3	1920.2	1986.5
32.5°	2157.3	2010.2	1780.3	1640.5	1495.9	1493.5	1685.5	1849.0	1844.4	1870.4	1920.2
35°	2093.3	1903.6	1609.7	1569.3	1427.1	1429.5	1645.2	1782.7	1785.1	1808.8	1839.6
37.5°	2026.9	1811.1	1422.4	1491.1	1360.7	1360.7	1590.7	1721.1	1716.3	1723.4	1766.1
40°	1948.6	1666.5	1256.4	1389.1	1299.1	1292.0	1524.3	1654.7	1638.0	1635.7	1695.0
42.5°	1865.7	1507.7	1133.1	1254.1	1227.9	1218.5	1443.7	1574.1	1543.2	1550.3	1626.2
45°	1775.5	1465.1	1038.3	1059.6	1154.5	1147.3	1356.0	1481.6	1460.3	1479.3	1557.4
47.5°	1685.5	1379.7	1007.5	879.5	1076.2	1073.9	1258.8	1391.6	1379.7	1398.7	1481.6
50°	1562.2	1284.9	1005.2	753.8	988.5	998.0	1142.7	1303.9	1303.9	1320.4	1408.1
52.5°	1403.4	1168.7	912.7	682.8	886.6	915.0	1040.7	1227.9	1232.7	1249.3	1327.5
55°	1258.8	1047.8	846.3	628.2	765.7	827.3	941.1	1149.8	1159.2	1175.8	1246.9
57.5°	1126.0	872.4	832.1	564.2	654.3	713.6	853.4	1073.9	1078.6	1092.9	1161.6
60°	983.8	630.5	763.4	495.5	557.1	602.1	772.8	983.8	1000.4	1009.8	1069.1
62.5°	822.6	457.6	692.2	448.0	509.7	519.1	706.5	898.4	919.8	926.9	962.5
65°	585.5	384.1	588.0	407.8	459.9	462.2	635.3	810.7	829.7	841.5	867.7
67.5°	395.9	312.9	448.0	369.8	422.0	424.3	566.6	708.8	734.9	744.4	760.9
70°	275.0	208.7	331.9	329.5	379.3	384.1	493.1	616.3	640.1	647.2	656.7
72.5°	201.5	168.3	275.0	296.4	334.3	339.0	417.2	512.0	535.7	542.8	547.6
75°	154.1	177.8	222.9	258.4	284.5	286.8	341.4	417.2	433.8	438.6	440.9
77.5°	123.3	166.0	163.5	208.7	232.3	227.6	267.9	322.4	336.6	336.6	336.6
80°	92.5	130.4	123.3	149.3	170.6	166.0	192.0	230.0	234.7	239.4	237.0
82.5°	68.7	82.9	82.9	94.8	113.8	109.1	128.1	149.3	149.3	149.3	154.1
85°	42.7	47.4	37.9	49.8	64.0	61.6	71.1	80.6	82.9	82.9	78.3
87.5°	26.1	21.3	11.9	19.0	28.5	28.5	33.2	35.6	33.2	33.2	33.2
90°	11.3	7.8	4.3	7.8	11.3	12.1	19.1	28.3	33.0	29.3	22.0
92.5°	76.4	46.9	17.4	46.9	76.4	83.8	117.8	163.2	185.9	162.9	116.9
95°	149.7	95.7	41.7	95.7	149.7	163.3	289.9	458.9	543.3	484.8	367.8
97.5°	167.4	119.7	72.1	119.7	167.4	179.3	390.6	672.2	813.0	776.1	702.2
100°	182.0	138.8	95.5	138.8	182.0	192.9	427.2	739.7	896.0	898.7	904.1
102.5°	196.2	155.9	115.5	155.9	196.2	206.3	444.0	760.9	919.4	966.5	1060.7
105°	217.8	183.6	149.4	183.6	217.8	226.3	456.4	763.4	916.8	1022.4	1233.5
107.5°	247.9	216.0	184.2	216.0	247.9	255.8	458.8	729.4	864.7	1012.0	1306.6
110°	265.1	236.4	207.6	236.4	265.1	272.3	455.2	699.3	821.3	985.9	1315.3

TEST NUMBER: P935007

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	285.4	258.0	230.6	258.0	285.4	292.2	455.4	672.9	781.8	950.3	1287.2
115°	315.9	290.7	265.3	290.7	315.9	322.2	459.6	642.8	734.4	896.7	1221.4
117.5°	345.6	322.6	299.6	322.6	345.6	351.4	468.2	623.9	701.8	848.4	1141.3
120°	362.9	341.3	319.6	341.3	362.9	368.3	475.1	617.6	688.8	822.7	1090.4
122.5°	382.8	361.0	339.2	361.0	382.8	388.3	485.1	614.3	678.8	799.3	1040.4
125°	408.9	389.0	369.1	389.0	408.9	413.9	498.6	611.5	668.0	770.4	975.2
127.5°	433.6	413.6	393.5	413.6	433.6	438.6	512.0	609.9	658.8	746.7	922.6
130°	449.7	428.1	406.5	428.1	449.7	455.1	521.9	610.9	655.4	733.7	890.2
132.5°	463.2	441.6	419.9	441.6	463.2	468.6	529.9	611.5	652.3	722.4	862.5
135°	479.3	459.6	439.9	459.6	479.3	484.3	538.5	610.9	647.1	705.7	823.1
137.5°	499.3	479.8	460.4	479.8	499.3	504.2	551.5	614.7	646.2	695.8	795.0
140°	513.2	495.2	477.3	495.2	513.2	517.7	559.6	615.3	643.2	686.0	771.8
142.5°	523.6	507.0	490.4	507.0	523.6	527.7	566.2	617.5	643.2	680.8	756.1
145°	539.2	524.8	510.3	524.8	539.2	542.8	574.9	617.6	638.9	669.7	731.2
147.5°	558.4	544.3	530.2	544.3	558.4	562.0	587.6	621.8	638.9	663.0	711.5
150°	568.8	556.0	543.3	556.0	568.8	572.0	594.3	624.0	638.9	659.3	700.2
152.5°	576.1	566.5	556.8	566.5	576.1	578.5	598.6	625.4	638.9	656.3	691.3
155°	591.0	583.8	576.7	583.8	591.0	592.8	608.1	628.6	638.9	652.8	680.6
157.5°	605.4	598.5	591.5	598.5	605.4	607.2	617.7	631.9	638.9	649.7	671.3
160°	612.3	606.9	601.5	606.9	612.3	613.6	622.0	633.3	638.9	648.1	666.6
162.5°	619.6	615.6	611.5	615.6	619.6	620.6	626.7	634.8	638.9	646.7	662.3
165°	629.7	626.1	622.3	626.1	629.7	630.6	633.3	637.0	638.9	644.5	655.7
167.5°	635.8	634.1	632.3	634.1	635.8	636.2	638.6	641.7	643.2	646.8	654.2
170°	642.3	640.6	638.9	640.6	642.3	642.8	642.9	643.1	643.2	646.8	654.2
172.5°	643.1	642.7	642.3	642.7	643.1	643.2	643.2	643.2	643.2	646.0	651.8
175°	647.1	647.1	647.1	647.1	647.1	647.1	645.8	644.0	643.2	645.0	648.7
177.5°	647.1	647.1	647.1	647.1	647.1	647.1	646.0	644.7	644.1	645.6	648.5
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

TEST NUMBER: P935007

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2418.0	2410.9	2420.4	2394.3	2420.4	2410.9	2418.0	2434.6	2420.4	2429.9	2439.3
5°	2121.7	2109.8	2071.9	2041.1	2071.9	2109.8	2121.7	2171.5	2195.2	2237.9	2294.7
7.5°	1896.5	1887.0	1877.5	1858.6	1877.5	1887.0	1896.5	1910.7	1934.4	1972.3	2015.0
10°	1846.7	1849.0	1863.3	1860.9	1863.3	1849.0	1846.7	1841.9	1834.8	1841.9	1868.0
12.5°	1974.8	1996.1	2074.3	2069.6	2074.3	1996.1	1974.8	1879.9	1815.9	1804.0	1808.8
15°	2121.7	2128.8	2145.4	2147.7	2145.4	2128.8	2121.7	2083.8	1891.7	1808.8	1782.7
17.5°	2135.9	2138.3	2150.2	2150.2	2150.2	2138.3	2135.9	2119.3	2055.3	1943.9	1796.9
20°	2124.1	2128.8	2152.5	2157.3	2152.5	2128.8	2124.1	2102.7	2067.1	2026.9	1915.4
22.5°	2119.3	2128.8	2147.7	2145.4	2147.7	2128.8	2119.3	2086.1	2055.3	2026.9	1981.9
25°	2095.6	2095.6	2098.0	2100.4	2098.0	2095.6	2095.6	2069.6	2007.9	2000.8	1974.8
27.5°	2045.8	2050.6	2064.8	2062.5	2064.8	2050.6	2045.8	2036.3	1970.0	1962.9	1943.9
30°	2000.8	1996.1	1984.2	1974.8	1984.2	1996.1	2000.8	1986.5	1920.2	1901.3	1905.9
32.5°	1925.0	1913.1	1901.3	1894.2	1901.3	1913.1	1925.0	1920.2	1870.4	1844.4	1849.0
35°	1834.8	1837.2	1834.8	1827.7	1834.8	1837.2	1834.8	1839.6	1808.8	1785.1	1782.7
37.5°	1770.9	1775.5	1773.2	1763.8	1773.2	1775.5	1770.9	1766.1	1723.4	1716.3	1721.1
40°	1704.5	1706.8	1704.5	1697.4	1704.5	1706.8	1704.5	1695.0	1635.7	1638.0	1654.7
42.5°	1640.5	1638.0	1631.0	1626.2	1631.0	1638.0	1640.5	1626.2	1550.3	1543.2	1574.1
45°	1567.0	1569.3	1555.1	1548.0	1555.1	1569.3	1567.0	1557.4	1479.3	1460.3	1481.6
47.5°	1493.5	1493.5	1481.6	1474.5	1481.6	1493.5	1493.5	1481.6	1398.7	1379.7	1391.6
50°	1415.3	1412.9	1396.3	1393.9	1396.3	1412.9	1415.3	1408.1	1320.4	1303.9	1303.9
52.5°	1325.2	1325.2	1327.5	1332.3	1327.5	1325.2	1325.2	1327.5	1249.3	1232.7	1227.9
55°	1246.9	1249.3	1265.9	1270.6	1265.9	1249.3	1246.9	1246.9	1175.8	1159.2	1149.8
57.5°	1166.4	1166.4	1178.1	1178.1	1178.1	1166.4	1166.4	1161.6	1092.9	1078.6	1073.9
60°	1073.9	1078.6	1088.1	1085.8	1088.1	1078.6	1073.9	1069.1	1009.8	1000.4	983.8
62.5°	976.7	981.4	983.8	979.0	983.8	981.4	976.7	962.5	926.9	919.8	898.4
65°	874.8	879.5	881.9	877.1	881.9	879.5	874.8	867.7	841.5	829.7	810.7
67.5°	770.5	768.0	765.7	775.2	765.7	768.0	770.5	760.9	744.4	734.9	708.8
70°	663.8	663.8	661.4	666.1	661.4	663.8	663.8	656.7	647.2	640.1	616.3
72.5°	549.9	547.6	557.1	549.9	557.1	547.6	549.9	547.6	542.8	535.7	512.0
75°	438.6	443.3	438.6	445.7	438.6	443.3	438.6	440.9	438.6	433.8	417.2
77.5°	334.3	339.0	334.3	334.3	334.3	339.0	334.3	336.6	336.6	336.6	322.4
80°	237.0	234.7	234.7	232.3	234.7	234.7	237.0	237.0	239.4	234.7	230.0
82.5°	151.7	149.3	149.3	154.1	149.3	149.3	151.7	154.1	149.3	149.3	149.3
85°	82.9	85.4	80.6	80.6	80.6	85.4	82.9	78.3	82.9	82.9	80.6
87.5°	30.8	28.5	28.5	28.5	28.5	28.5	30.8	33.2	33.2	33.2	35.6
90°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	22.0	29.3	33.0	28.3
92.5°	82.5	79.2	66.0	53.0	66.0	79.2	82.5	116.9	162.9	185.9	163.2
95°	280.1	270.2	230.4	190.6	230.4	270.2	280.1	367.8	484.8	543.3	458.9
97.5°	646.7	627.7	552.1	476.4	552.1	627.7	646.7	702.2	776.1	813.0	672.2
100°	908.1	885.6	795.4	705.3	795.4	885.6	908.1	904.1	898.7	896.0	739.7
102.5°	1131.4	1112.0	1034.9	957.6	1034.9	1112.0	1131.4	1060.7	966.5	919.4	760.9
105°	1391.9	1381.6	1340.0	1298.5	1340.0	1381.6	1391.9	1233.5	1022.4	916.8	763.4
107.5°	1527.5	1530.0	1540.0	1550.0	1540.0	1530.0	1527.5	1306.6	1012.0	864.7	729.4
110°	1562.2	1573.0	1616.2	1659.4	1616.2	1573.0	1562.2	1315.3	985.9	821.3	699.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1540.0	1556.6	1623.0	1689.4	1623.0	1556.6	1540.0	1287.2	950.3	781.8	672.9
115°	1464.9	1487.9	1580.0	1672.0	1580.0	1487.9	1464.9	1221.4	896.7	734.4	642.8
117.5°	1361.1	1386.6	1488.7	1590.8	1488.7	1386.6	1361.1	1141.3	848.4	701.8	623.9
120°	1291.2	1316.0	1415.2	1514.4	1415.2	1316.0	1291.2	1090.4	822.7	688.8	617.6
122.5°	1221.2	1245.7	1343.6	1441.4	1343.6	1245.7	1221.2	1040.4	799.3	678.8	614.3
125°	1128.7	1151.2	1241.5	1331.6	1241.5	1151.2	1128.7	975.2	770.4	668.0	611.5
127.5°	1054.5	1073.5	1149.6	1225.6	1149.6	1073.5	1054.5	922.6	746.7	658.8	609.9
130°	1007.6	1025.2	1095.4	1165.6	1095.4	1025.2	1007.6	890.2	733.7	655.4	610.9
132.5°	967.6	983.3	1046.3	1109.2	1046.3	983.3	967.6	862.5	722.4	652.3	611.5
135°	911.1	924.7	978.9	1033.2	978.9	924.7	911.1	823.1	705.7	647.1	610.9
137.5°	869.5	880.6	924.9	969.4	924.9	880.6	869.5	795.0	695.8	646.2	614.7
140°	836.0	846.4	888.0	929.4	888.0	846.4	836.0	771.8	686.0	643.2	615.3
142.5°	812.6	821.5	857.2	892.9	857.2	821.5	812.6	756.1	680.8	643.2	617.5
145°	777.4	784.1	811.2	838.2	811.2	784.1	777.4	731.2	669.7	638.9	617.6
147.5°	747.9	753.5	775.8	798.2	775.8	753.5	747.9	711.5	663.0	638.9	621.8
150°	730.9	735.5	753.6	771.8	753.6	735.5	730.9	700.2	659.3	638.9	624.0
152.5°	717.5	721.0	734.6	748.3	734.6	721.0	717.5	691.3	656.3	638.9	625.4
155°	701.4	703.7	712.7	721.8	712.7	703.7	701.4	680.6	652.8	638.9	628.6
157.5°	687.5	689.1	695.5	701.8	695.5	689.1	687.5	671.3	649.7	638.9	631.9
160°	680.5	681.4	685.1	688.8	685.1	681.4	680.5	666.6	648.1	638.9	633.3
162.5°	674.1	674.9	678.4	681.8	678.4	674.9	674.1	662.3	646.7	638.9	634.8
165°	664.1	665.0	668.7	672.3	668.7	665.0	664.1	655.7	644.5	638.9	637.0
167.5°	659.7	660.1	661.6	663.1	661.6	660.1	659.7	654.2	646.8	643.2	641.7
170°	659.7	659.7	659.7	659.7	659.7	659.7	659.7	654.2	646.8	643.2	643.1
172.5°	656.2	655.9	654.5	653.1	654.5	655.9	656.2	651.8	646.0	643.2	643.2
175°	651.5	651.5	651.5	651.5	651.5	651.5	651.5	648.7	645.0	643.2	644.0
177.5°	650.6	650.3	648.7	647.1	648.7	650.3	650.6	648.5	645.6	644.1	644.7
180°	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1	647.1

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2474.9	2486.8	2493.9	2503.4	2527.0
5°	2380.1	2425.1	2439.3	2474.9	2517.6
7.5°	2171.5	2308.9	2346.9	2432.2	2498.6
10°	1970.0	2107.5	2173.9	2375.3	2474.9
12.5°	1868.0	1948.6	1993.7	2275.8	2441.8
15°	1804.0	1860.9	1894.2	2143.1	2403.8
17.5°	1754.2	1794.6	1818.2	2012.7	2351.6
20°	1723.4	1742.4	1763.8	1917.8	2292.4
22.5°	1702.1	1690.3	1706.8	1851.5	2211.8
25°	1687.8	1642.8	1661.8	1799.3	2116.9
27.5°	1699.7	1600.1	1607.2	1751.9	2017.3
30°	1702.1	1548.0	1550.3	1702.1	1905.9
32.5°	1685.5	1493.5	1495.9	1640.5	1780.3
35°	1645.2	1429.5	1427.1	1569.3	1609.7
37.5°	1590.7	1360.7	1360.7	1491.1	1422.4
40°	1524.3	1292.0	1299.1	1389.1	1256.4
42.5°	1443.7	1218.5	1227.9	1254.1	1133.1
45°	1356.0	1147.3	1154.5	1059.6	1038.3
47.5°	1258.8	1073.9	1076.2	879.5	1007.5
50°	1142.7	998.0	988.5	753.8	1005.2
52.5°	1040.7	915.0	886.6	682.8	912.7
55°	941.1	827.3	765.7	628.2	846.3
57.5°	853.4	713.6	654.3	564.2	832.1
60°	772.8	602.1	557.1	495.5	763.4
62.5°	706.5	519.1	509.7	448.0	692.2
65°	635.3	462.2	459.9	407.8	588.0
67.5°	566.6	424.3	422.0	369.8	448.0
70°	493.1	384.1	379.3	329.5	331.9
72.5°	417.2	339.0	334.3	296.4	275.0
75°	341.4	286.8	284.5	258.4	222.9
77.5°	267.9	227.6	232.3	208.7	163.5
80°	192.0	166.0	170.6	149.3	123.3
82.5°	128.1	109.1	113.8	94.8	82.9
85°	71.1	61.6	64.0	49.8	37.9
87.5°	33.2	28.5	28.5	19.0	11.9
90°	19.1	12.1	11.3	7.8	4.3
92.5°	117.8	83.8	76.4	46.9	17.4
95°	289.9	163.3	149.7	95.7	41.7
97.5°	390.6	179.3	167.4	119.7	72.1
100°	427.2	192.9	182.0	138.8	95.5
102.5°	444.0	206.3	196.2	155.9	115.5
105°	456.4	226.3	217.8	183.6	149.4
107.5°	458.8	255.8	247.9	216.0	184.2
110°	455.2	272.3	265.1	236.4	207.6

TEST NUMBER: P935007

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	455.4	292.2	285.4	258.0	230.6
115°	459.6	322.2	315.9	290.7	265.3
117.5°	468.2	351.4	345.6	322.6	299.6
120°	475.1	368.3	362.9	341.3	319.6
122.5°	485.1	388.3	382.8	361.0	339.2
125°	498.6	413.9	408.9	389.0	369.1
127.5°	512.0	438.6	433.6	413.6	393.5
130°	521.9	455.1	449.7	428.1	406.5
132.5°	529.9	468.6	463.2	441.6	419.9
135°	538.5	484.3	479.3	459.6	439.9
137.5°	551.5	504.2	499.3	479.8	460.4
140°	559.6	517.7	513.2	495.2	477.3
142.5°	566.2	527.7	523.6	507.0	490.4
145°	574.9	542.8	539.2	524.8	510.3
147.5°	587.6	562.0	558.4	544.3	530.2
150°	594.3	572.0	568.8	556.0	543.3
152.5°	598.6	578.5	576.1	566.5	556.8
155°	608.1	592.8	591.0	583.8	576.7
157.5°	617.7	607.2	605.4	598.5	591.5
160°	622.0	613.6	612.3	606.9	601.5
162.5°	626.7	620.6	619.6	615.6	611.5
165°	633.3	630.6	629.7	626.1	622.3
167.5°	638.6	636.2	635.8	634.1	632.3
170°	642.9	642.8	642.3	640.6	638.9
172.5°	643.2	643.2	643.1	642.7	642.3
175°	645.8	647.1	647.1	647.1	647.1
177.5°	646.0	647.1	647.1	647.1	647.1
180°	647.1	647.1	647.1	647.1	647.1

(END OF REPORT)