

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: P935003

Luminaire Tested: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935003
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-B40-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

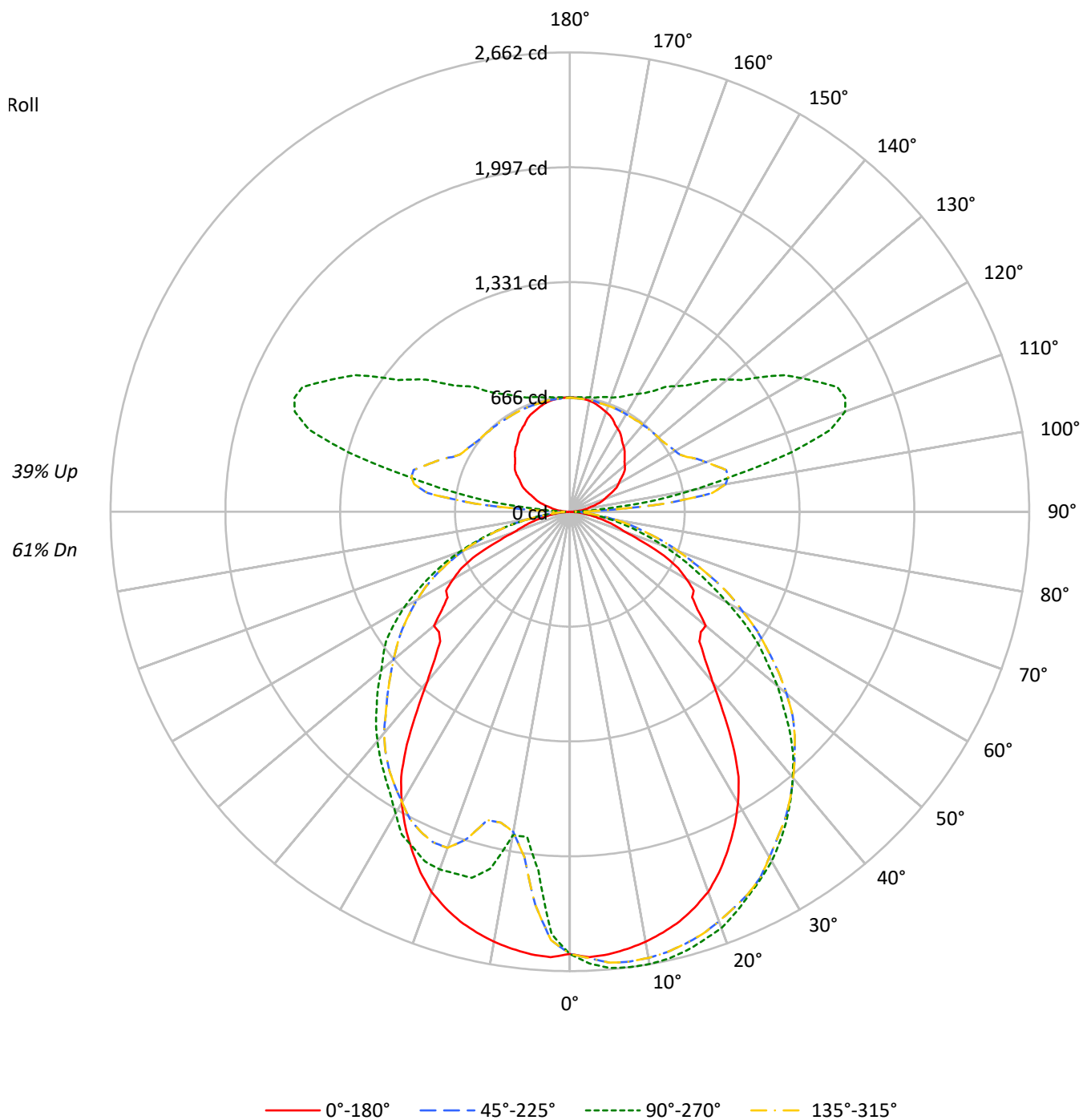
Lumens per Lamp: N/A
Luminaire Lumens: 10934.7 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

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°	15850	15850	15850	15850
5°	15962	15999	15962	12580
10°	15850	15760	15850	11267
15°	15671	15419	15671	12874
20°	15338	15014	15338	12902
25°	14660	14424	14660	12628
30°	13788	13934	13788	12029
35°	12286	13315	12286	11368
40°	10231	12585	10231	10870
45°	9136	11732	9136	10297
50°	9699	10714	9699	9721
55°	9115	9616	9115	9389
60°	9386	8167	9386	8600
65°	8497	6751	8497	7547
70°	5868	5380	5868	6326
75°	5128	3978	5128	4763
80°	4104	2629	4104	2863
85°	2313	1392	2313	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	2.1
10°-20°	656.6	6.0
20°-30°	1015.1	9.3
30°-40°	1211.8	11.1
40°-50°	1218.9	11.1
50°-60°	1060.5	9.7
60°-70°	751.9	6.9
70°-80°	397.8	3.6
80°-90°	101.6	0.9
90°-100°	322.5	2.9
100°-110°	847.9	7.8
110°-120°	879.2	8.0
120°-130°	705.2	6.4
130°-140°	553.4	5.1
140°-150°	424.7	3.9
150°-160°	305.9	2.8
160°-170°	187.1	1.7
170°-180°	63.2	0.6
0°-30°	1903.0	17.4
0°-40°	3114.7	28.5
0°-60°	5394.1	49.3
0°-90°	6645.5	60.8
90°-120°	2049.7	18.7
90°-150°	3733.0	34.1
90°-180°	4289.0	39.2
0°-180°	10934.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2562	2562	2562	2562	2562	
5°	2574	2654	2574	2087	2574	244
15°	2458	2630	2458	2196	2458	692
25°	2164	2453	2164	2148	2164	994
35°	1646	2189	1646	1869	1646	1018
45°	1062	1803	1062	1583	1062	850
55°	865	1331	865	1299	865	795
65°	601	802	601	897	601	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	4	17	4	17	4	5
95°	43	195	43	195	43	47
105°	153	1328	153	1328	153	162
115°	271	1710	271	1710	271	268
125°	377	1362	377	1362	377	335
135°	450	1056	450	1056	450	348
145°	522	857	522	857	522	327
155°	590	738	590	738	590	271
165°	636	687	636	687	636	180
175°	662	666	662	666	662	63
180°	662	662	662	662	662	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2583.8	2583.8	2598.5	2603.2	2603.2	2596.0	2588.7	2596.0	2617.8	2625.1	2622.6
5°	2574.2	2593.6	2620.2	2625.1	2630.0	2627.5	2622.6	2627.5	2651.7	2656.6	2659.0
7.5°	2554.8	2591.1	2625.1	2632.4	2639.6	2632.4	2630.0	2634.7	2659.0	2663.9	2663.9
10°	2530.6	2581.5	2620.2	2625.1	2632.4	2625.1	2625.1	2634.7	2659.0	2663.9	2666.3
12.5°	2496.7	2566.9	2603.2	2608.1	2617.8	2615.4	2613.0	2622.6	2646.9	2651.7	2651.7
15°	2457.9	2540.2	2574.2	2579.1	2596.0	2591.1	2591.1	2600.8	2627.5	2634.7	2632.4
17.5°	2404.5	2506.3	2545.1	2552.3	2564.5	2562.1	2564.5	2574.2	2598.5	2603.2	2605.7
20°	2344.0	2460.3	2506.3	2513.6	2525.7	2525.7	2525.7	2537.8	2562.1	2571.7	2571.7
22.5°	2261.5	2411.8	2460.3	2465.1	2479.7	2479.7	2484.5	2501.4	2523.3	2525.7	2525.7
25°	2164.5	2358.5	2399.6	2414.2	2428.8	2436.0	2443.3	2453.0	2460.3	2457.9	2460.3
27.5°	2062.7	2290.6	2344.0	2353.6	2373.0	2380.2	2390.0	2392.4	2394.9	2402.1	2397.2
30°	1948.8	2196.0	2276.1	2285.7	2317.2	2322.1	2312.4	2317.2	2329.3	2334.2	2339.1
32.5°	1820.3	2055.4	2205.8	2227.5	2256.7	2242.1	2239.7	2246.9	2266.3	2266.3	2271.2
35°	1645.8	1946.4	2140.3	2159.7	2181.5	2164.5	2174.2	2176.6	2188.8	2196.0	2193.6
37.5°	1454.4	1851.8	2072.4	2087.0	2104.0	2082.1	2096.7	2104.0	2113.6	2108.8	2108.8
40°	1284.7	1704.0	1992.4	2002.2	2016.7	1999.7	2014.3	2019.2	2023.9	2019.2	2016.7
42.5°	1158.6	1541.6	1907.6	1919.7	1910.0	1922.1	1927.0	1936.7	1929.4	1919.7	1919.7
45°	1061.7	1498.0	1815.5	1830.1	1815.5	1834.9	1842.2	1842.2	1820.3	1815.5	1813.1
47.5°	1030.2	1410.7	1723.4	1723.4	1716.1	1740.4	1752.5	1735.5	1713.7	1706.4	1706.4
50°	1027.8	1313.8	1597.3	1587.7	1621.6	1650.7	1638.6	1621.6	1604.6	1577.9	1577.9
52.5°	933.2	1195.0	1435.0	1471.3	1524.7	1541.6	1522.2	1505.3	1476.1	1464.0	1454.4
55°	865.3	1071.3	1287.1	1359.8	1415.6	1437.4	1401.0	1384.1	1340.4	1333.2	1328.3
57.5°	850.8	892.0	1151.3	1243.5	1311.3	1308.9	1287.1	1255.5	1219.2	1212.0	1209.5
60°	780.5	644.7	1005.9	1115.0	1185.3	1178.0	1158.6	1129.6	1095.6	1090.8	1085.9
62.5°	707.8	467.9	841.1	964.7	1064.1	1061.7	1044.7	1001.0	976.9	964.7	955.0
65°	601.2	392.7	598.7	802.3	945.4	950.1	913.8	882.3	855.7	841.1	838.7
67.5°	458.1	319.9	404.8	669.0	831.4	826.6	780.5	765.9	732.0	724.7	710.2
70°	339.3	213.3	281.2	542.9	719.9	707.8	671.5	654.5	622.9	605.9	596.3
72.5°	281.2	172.1	206.0	421.7	605.9	591.4	559.9	540.5	513.9	499.4	489.6
75°	227.9	181.8	157.6	312.7	492.0	482.4	453.2	433.9	412.1	392.7	395.1
77.5°	167.2	169.7	126.1	230.3	390.2	375.7	358.7	334.5	324.8	305.4	305.4
80°	126.1	133.3	94.5	157.6	281.2	281.2	266.6	249.6	232.7	223.0	223.0
82.5°	84.8	84.8	70.3	99.4	191.5	184.2	174.5	169.7	160.0	155.1	155.1
85°	38.8	48.5	43.6	60.6	104.2	109.1	109.1	104.2	101.8	96.9	99.4
87.5°	12.1	21.8	26.6	33.9	53.3	55.8	58.2	58.2	58.2	60.6	60.6
90°	4.4	7.9	11.6	12.4	19.5	28.9	33.7	30.0	22.5	16.9	16.9
92.5°	17.8	47.9	78.1	85.7	120.4	166.8	190.0	166.6	119.6	84.3	81.0
95°	42.6	97.9	153.1	166.9	296.4	469.2	555.5	495.7	376.1	286.4	276.3
97.5°	73.7	122.4	171.1	183.4	399.4	687.3	831.3	793.5	718.0	661.2	641.9
100°	97.7	141.9	186.1	197.2	436.8	756.4	916.1	918.9	924.4	928.5	905.5
102.5°	118.1	159.4	200.6	211.0	454.0	778.0	940.1	988.2	1084.6	1156.8	1137.0
105°	152.8	187.8	222.7	231.4	466.7	780.5	937.4	1045.3	1261.3	1423.2	1412.6
107.5°	188.3	220.9	253.5	261.6	469.1	745.8	884.1	1034.7	1335.9	1561.8	1564.4
110°	212.3	241.7	271.0	278.4	465.5	715.0	839.7	1008.1	1344.8	1597.3	1608.4

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	235.8	263.8	291.8	298.8	465.7	688.1	799.3	971.6	1316.2	1574.6	1591.6
115°	271.3	297.2	323.0	329.5	470.0	657.2	750.9	916.9	1248.9	1497.8	1521.3
117.5°	306.4	329.9	353.3	359.3	478.7	637.9	717.6	867.4	1167.0	1391.7	1417.8
120°	326.8	349.0	371.0	376.6	485.8	631.4	704.3	841.2	1114.9	1320.2	1345.6
122.5°	346.9	369.1	391.5	397.0	496.0	628.1	694.1	817.3	1063.8	1248.7	1273.7
125°	377.4	397.8	418.1	423.2	509.8	625.2	683.0	787.7	997.1	1154.1	1177.1
127.5°	402.3	422.9	443.3	448.5	523.5	623.6	673.7	763.5	943.3	1078.2	1097.7
130°	415.6	437.8	459.8	465.4	533.7	624.7	670.1	750.2	910.2	1030.3	1048.2
132.5°	429.4	451.5	473.6	479.1	541.8	625.2	667.0	738.6	881.9	989.4	1005.4
135°	449.8	470.0	490.1	495.2	550.7	624.7	661.6	721.6	841.6	931.6	945.4
137.5°	470.7	490.6	510.5	515.5	563.9	628.5	660.8	711.5	812.9	889.0	900.4
140°	488.0	506.3	524.8	529.4	572.1	629.2	657.6	701.4	789.1	854.8	865.4
142.5°	501.4	518.4	535.4	539.6	578.9	631.4	657.6	696.1	773.1	830.8	840.0
145°	521.8	536.6	551.3	555.0	587.8	631.4	653.2	684.7	747.7	794.8	801.7
147.5°	542.2	556.6	571.0	574.6	600.8	635.7	653.2	678.0	727.5	764.7	770.4
150°	555.5	568.5	581.6	584.8	607.7	638.0	653.2	674.1	716.0	747.4	752.1
152.5°	569.3	579.2	589.0	591.5	612.1	639.5	653.2	671.1	706.8	733.6	737.2
155°	589.7	597.0	604.3	606.1	621.8	642.7	653.2	667.4	695.9	717.2	719.5
157.5°	604.8	612.0	619.0	620.8	631.6	646.1	653.2	664.3	686.4	703.0	704.6
160°	615.0	620.6	626.1	627.4	636.0	647.5	653.2	662.7	681.6	695.8	696.8
162.5°	625.2	629.4	633.5	634.6	640.8	649.1	653.2	661.2	677.2	689.2	690.1
165°	636.3	640.1	643.9	644.8	647.6	651.3	653.2	658.9	670.4	679.0	680.0
167.5°	646.5	648.3	650.1	650.5	652.9	656.1	657.6	661.3	668.9	674.5	674.9
170°	653.2	655.0	656.8	657.2	657.3	657.5	657.6	661.3	668.9	674.5	674.5
172.5°	656.8	657.1	657.5	657.6	657.6	657.6	657.6	660.6	666.5	671.0	670.6
175°	661.6	661.6	661.6	661.6	660.3	658.5	657.6	659.5	663.2	666.1	666.1
177.5°	661.6	661.6	661.6	661.6	660.6	659.2	658.6	660.1	663.1	665.3	664.9
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2627.5	2620.2	2627.5	2622.6	2625.1	2617.8	2596.0	2588.7	2596.0	2603.2	2603.2
5°	2659.0	2654.1	2659.0	2659.0	2656.6	2651.7	2627.5	2622.6	2627.5	2630.0	2625.1
7.5°	2668.7	2661.5	2668.7	2663.9	2663.9	2659.0	2634.7	2630.0	2632.4	2639.6	2632.4
10°	2668.7	2661.5	2668.7	2666.3	2663.9	2659.0	2634.7	2625.1	2625.1	2632.4	2625.1
12.5°	2656.6	2651.7	2656.6	2651.7	2651.7	2646.9	2622.6	2613.0	2615.4	2617.8	2608.1
15°	2637.2	2630.0	2637.2	2632.4	2634.7	2627.5	2600.8	2591.1	2591.1	2596.0	2579.1
17.5°	2608.1	2598.5	2608.1	2605.7	2603.2	2598.5	2574.2	2564.5	2562.1	2564.5	2552.3
20°	2574.2	2566.9	2574.2	2571.7	2571.7	2562.1	2537.8	2525.7	2525.7	2525.7	2513.6
22.5°	2520.8	2513.6	2520.8	2525.7	2525.7	2523.3	2501.4	2484.5	2479.7	2479.7	2465.1
25°	2460.3	2453.0	2460.3	2460.3	2457.9	2460.3	2453.0	2443.3	2436.0	2428.8	2414.2
27.5°	2402.1	2397.2	2402.1	2397.2	2402.1	2394.9	2392.4	2390.0	2380.2	2373.0	2353.6
30°	2344.0	2339.1	2344.0	2339.1	2334.2	2329.3	2317.2	2312.4	2322.1	2317.2	2285.7
32.5°	2271.2	2266.3	2271.2	2271.2	2266.3	2266.3	2246.9	2239.7	2242.1	2256.7	2227.5
35°	2196.0	2188.8	2196.0	2193.6	2196.0	2188.8	2176.6	2174.2	2164.5	2181.5	2159.7
37.5°	2108.8	2101.5	2108.8	2108.8	2108.8	2113.6	2104.0	2096.7	2082.1	2104.0	2087.0
40°	2019.2	2009.4	2019.2	2016.7	2019.2	2023.9	2019.2	2014.3	1999.7	2016.7	2002.2
42.5°	1917.4	1914.9	1917.4	1919.7	1919.7	1929.4	1936.7	1927.0	1922.1	1910.0	1919.7
45°	1808.2	1803.4	1808.2	1813.1	1815.5	1820.3	1842.2	1842.2	1834.9	1815.5	1830.1
47.5°	1691.9	1679.7	1691.9	1706.4	1706.4	1713.7	1735.5	1752.5	1740.4	1716.1	1723.4
50°	1568.3	1570.7	1568.3	1577.9	1577.9	1604.6	1621.6	1638.6	1650.7	1621.6	1587.7
52.5°	1447.1	1444.6	1447.1	1454.4	1464.0	1476.1	1505.3	1522.2	1541.6	1524.7	1471.3
55°	1325.8	1330.7	1325.8	1328.3	1333.2	1340.4	1384.1	1401.0	1437.4	1415.6	1359.8
57.5°	1204.6	1197.4	1204.6	1209.5	1212.0	1219.2	1255.5	1287.1	1308.9	1311.3	1243.5
60°	1064.1	1054.4	1064.1	1085.9	1090.8	1095.6	1129.6	1158.6	1178.0	1185.3	1115.0
62.5°	940.5	923.5	940.5	955.0	964.7	976.9	1001.0	1044.7	1061.7	1064.1	964.7
65°	809.6	802.3	809.6	838.7	841.1	855.7	882.3	913.8	950.1	945.4	802.3
67.5°	690.8	690.8	690.8	710.2	724.7	732.0	765.9	780.5	826.6	831.4	669.0
70°	581.7	579.3	581.7	596.3	605.9	622.9	654.5	671.5	707.8	719.9	542.9
72.5°	477.5	475.1	477.5	489.6	499.4	513.9	540.5	559.9	591.4	605.9	421.7
75°	385.4	380.6	385.4	395.1	392.7	412.1	433.9	453.2	482.4	492.0	312.7
77.5°	295.8	295.8	295.8	305.4	305.4	324.8	334.5	358.7	375.7	390.2	230.3
80°	220.6	218.1	220.6	223.0	223.0	232.7	249.6	266.6	281.2	281.2	157.6
82.5°	155.1	150.3	155.1	155.1	155.1	160.0	169.7	174.5	184.2	191.5	99.4
85°	96.9	96.9	96.9	99.4	96.9	101.8	104.2	109.1	109.1	104.2	60.6
87.5°	63.0	60.6	63.0	60.6	60.6	58.2	58.2	58.2	55.8	53.3	33.9
90°	16.9	16.9	16.9	16.9	16.9	22.5	30.0	33.7	28.9	19.5	12.4
92.5°	67.5	54.1	67.5	81.0	84.3	119.6	166.6	190.0	166.8	120.4	85.7
95°	235.6	194.9	235.6	276.3	286.4	376.1	495.7	555.5	469.2	296.4	166.9
97.5°	564.5	487.1	564.5	641.9	661.2	718.0	793.5	831.3	687.3	399.4	183.4
100°	813.3	721.1	813.3	905.5	928.5	924.4	918.9	916.1	756.4	436.8	197.2
102.5°	1058.1	979.2	1058.1	1137.0	1156.8	1084.6	988.2	940.1	778.0	454.0	211.0
105°	1370.1	1327.7	1370.1	1412.6	1423.2	1261.3	1045.3	937.4	780.5	466.7	231.4
107.5°	1574.6	1584.8	1574.6	1564.4	1561.8	1335.9	1034.7	884.1	745.8	469.1	261.6
110°	1652.5	1696.7	1652.5	1608.4	1597.3	1344.8	1008.1	839.7	715.0	465.5	278.4

TEST NUMBER: P935003

CATALOG NUMBER: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1659.5	1727.4	1659.5	1591.6	1574.6	1316.2	971.6	799.3	688.1	465.7	298.8
115°	1615.5	1709.6	1615.5	1521.3	1497.8	1248.9	916.9	750.9	657.2	470.0	329.5
117.5°	1522.2	1626.6	1522.2	1417.8	1391.7	1167.0	867.4	717.6	637.9	478.7	359.3
120°	1447.0	1548.4	1447.0	1345.6	1320.2	1114.9	841.2	704.3	631.4	485.8	376.6
122.5°	1373.8	1473.9	1373.8	1273.7	1248.7	1063.8	817.3	694.1	628.1	496.0	397.0
125°	1269.4	1361.5	1269.4	1177.1	1154.1	997.1	787.7	683.0	625.2	509.8	423.2
127.5°	1175.4	1253.2	1175.4	1097.7	1078.2	943.3	763.5	673.7	623.6	523.5	448.5
130°	1120.0	1191.8	1120.0	1048.2	1030.3	910.2	750.2	670.1	624.7	533.7	465.4
132.5°	1069.8	1134.2	1069.8	1005.4	989.4	881.9	738.6	667.0	625.2	541.8	479.1
135°	1000.9	1056.4	1000.9	945.4	931.6	841.6	721.6	661.6	624.7	550.7	495.2
137.5°	945.7	991.2	945.7	900.4	889.0	812.9	711.5	660.8	628.5	563.9	515.5
140°	907.9	950.3	907.9	865.4	854.8	789.1	701.4	657.6	629.2	572.1	529.4
142.5°	876.5	913.0	876.5	840.0	830.8	773.1	696.1	657.6	631.4	578.9	539.6
145°	829.4	857.0	829.4	801.7	794.8	747.7	684.7	653.2	631.4	587.8	555.0
147.5°	793.2	816.1	793.2	770.4	764.7	727.5	678.0	653.2	635.7	600.8	574.6
150°	770.6	789.1	770.6	752.1	747.4	716.0	674.1	653.2	638.0	607.7	584.8
152.5°	751.1	765.1	751.1	737.2	733.6	706.8	671.1	653.2	639.5	612.1	591.5
155°	728.8	738.0	728.8	719.5	717.2	695.9	667.4	653.2	642.7	621.8	606.1
157.5°	711.1	717.6	711.1	704.6	703.0	686.4	664.3	653.2	646.1	631.6	620.8
160°	700.5	704.3	700.5	696.8	695.8	681.6	662.7	653.2	647.5	636.0	627.4
162.5°	693.6	697.2	693.6	690.1	689.2	677.2	661.2	653.2	649.1	640.8	634.6
165°	683.7	687.4	683.7	680.0	679.0	670.4	658.9	653.2	651.3	647.6	644.8
167.5°	676.5	678.0	676.5	674.9	674.5	668.9	661.3	657.6	656.1	652.9	650.5
170°	674.5	674.5	674.5	674.5	674.5	668.9	661.3	657.6	657.5	657.3	657.2
172.5°	669.3	667.8	669.3	670.6	671.0	666.5	660.6	657.6	657.6	657.6	657.6
175°	666.1	666.1	666.1	666.1	666.1	663.2	659.5	657.6	658.5	660.3	661.6
177.5°	663.2	661.6	663.2	664.9	665.3	663.1	660.1	658.6	659.2	660.6	661.6
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6

TEST NUMBER: P935003

CATALOG NUMBER: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2598.5	2583.8	2583.8	2559.7	2549.9	2542.7	2530.6	2494.2	2484.5	2474.8	2489.3
5°	2620.2	2593.6	2574.2	2530.6	2494.2	2479.7	2433.6	2346.3	2288.2	2244.5	2220.3
7.5°	2625.1	2591.1	2554.8	2486.9	2399.6	2360.9	2220.3	2060.3	2016.7	1977.9	1953.6
10°	2620.2	2581.5	2530.6	2428.8	2222.8	2154.9	2014.3	1910.0	1883.4	1876.1	1883.4
12.5°	2603.2	2566.9	2496.7	2327.0	2038.5	1992.4	1910.0	1849.5	1844.6	1856.7	1922.1
15°	2574.2	2540.2	2457.9	2191.2	1936.7	1902.7	1844.6	1822.8	1849.5	1934.3	2130.6
17.5°	2545.1	2506.3	2404.5	2057.9	1859.1	1834.9	1793.7	1837.3	1987.6	2101.5	2167.0
20°	2506.3	2460.3	2344.0	1960.9	1803.4	1781.6	1762.2	1958.5	2072.4	2113.6	2150.0
22.5°	2460.3	2411.8	2261.5	1893.1	1745.2	1728.3	1740.4	2026.4	2072.4	2101.5	2133.0
25°	2399.6	2358.5	2164.5	1839.7	1699.1	1679.7	1725.8	2019.2	2045.8	2053.1	2116.1
27.5°	2344.0	2290.6	2062.7	1791.3	1643.4	1636.1	1737.9	1987.6	2007.0	2014.3	2082.1
30°	2276.1	2196.0	1948.8	1740.4	1585.2	1582.8	1740.4	1948.8	1944.0	1963.4	2031.2
32.5°	2205.8	2055.4	1820.3	1677.4	1529.5	1527.0	1723.4	1890.6	1885.8	1912.5	1963.4
35°	2140.3	1946.4	1645.8	1604.6	1459.1	1461.6	1682.2	1822.8	1825.2	1849.5	1881.0
37.5°	2072.4	1851.8	1454.4	1524.7	1391.3	1391.3	1626.5	1759.8	1754.9	1762.2	1805.8
40°	1992.4	1704.0	1284.7	1420.4	1328.3	1321.1	1558.6	1691.9	1674.9	1672.5	1733.1
42.5°	1907.6	1541.6	1158.6	1282.3	1255.5	1245.9	1476.1	1609.5	1577.9	1585.2	1662.8
45°	1815.5	1498.0	1061.7	1083.4	1180.5	1173.1	1386.5	1514.9	1493.1	1512.5	1592.5
47.5°	1723.4	1410.7	1030.2	899.2	1100.4	1098.1	1287.1	1422.9	1410.7	1430.1	1514.9
50°	1597.3	1313.8	1027.8	770.8	1010.8	1020.4	1168.3	1333.2	1333.2	1350.1	1439.8
52.5°	1435.0	1195.0	933.2	698.1	906.6	935.6	1064.1	1255.5	1260.4	1277.4	1357.3
55°	1287.1	1071.3	865.3	642.3	782.9	845.9	962.3	1175.6	1185.3	1202.2	1274.9
57.5°	1151.3	892.0	850.8	576.9	669.0	729.6	872.6	1098.1	1102.8	1117.4	1187.7
60°	1005.9	644.7	780.5	506.6	569.7	615.7	790.2	1005.9	1022.9	1032.5	1093.2
62.5°	841.1	467.9	707.8	458.1	521.1	530.8	722.4	918.6	940.5	947.7	984.1
65°	598.7	392.7	601.2	417.0	470.2	472.6	649.6	828.9	848.3	860.5	887.2
67.5°	404.8	319.9	458.1	378.1	431.5	433.9	579.3	724.7	751.4	761.1	778.0
70°	281.2	213.3	339.3	336.9	387.8	392.7	504.1	630.2	654.5	661.7	671.5
72.5°	206.0	172.1	281.2	303.0	341.8	346.7	426.6	523.5	547.8	555.0	559.9
75°	157.6	181.8	227.9	264.2	290.9	293.3	349.1	426.6	443.6	448.5	450.9
77.5°	126.1	169.7	167.2	213.3	237.5	232.7	273.9	329.7	344.2	344.2	344.2
80°	94.5	133.3	126.1	152.7	174.5	169.7	196.3	235.1	240.0	244.8	242.4
82.5°	70.3	84.8	84.8	96.9	116.3	111.5	130.9	152.7	152.7	152.7	157.6
85°	43.6	48.5	38.8	50.9	65.4	63.0	72.7	82.4	84.8	84.8	80.0
87.5°	26.6	21.8	12.1	19.4	29.1	29.1	33.9	36.4	33.9	33.9	33.9
90°	11.6	7.9	4.4	7.9	11.6	12.4	19.5	28.9	33.7	30.0	22.5
92.5°	78.1	47.9	17.8	47.9	78.1	85.7	120.4	166.8	190.0	166.6	119.6
95°	153.1	97.9	42.6	97.9	153.1	166.9	296.4	469.2	555.5	495.7	376.1
97.5°	171.1	122.4	73.7	122.4	171.1	183.4	399.4	687.3	831.3	793.5	718.0
100°	186.1	141.9	97.7	141.9	186.1	197.2	436.8	756.4	916.1	918.9	924.4
102.5°	200.6	159.4	118.1	159.4	200.6	211.0	454.0	778.0	940.1	988.2	1084.6
105°	222.7	187.8	152.8	187.8	222.7	231.4	466.7	780.5	937.4	1045.3	1261.3
107.5°	253.5	220.9	188.3	220.9	253.5	261.6	469.1	745.8	884.1	1034.7	1335.9
110°	271.0	241.7	212.3	241.7	271.0	278.4	465.5	715.0	839.7	1008.1	1344.8

TEST NUMBER: P935003

CATALOG NUMBER: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	291.8	263.8	235.8	263.8	291.8	298.8	465.7	688.1	799.3	971.6	1316.2
115°	323.0	297.2	271.3	297.2	323.0	329.5	470.0	657.2	750.9	916.9	1248.9
117.5°	353.3	329.9	306.4	329.9	353.3	359.3	478.7	637.9	717.6	867.4	1167.0
120°	371.0	349.0	326.8	349.0	371.0	376.6	485.8	631.4	704.3	841.2	1114.9
122.5°	391.5	369.1	346.9	369.1	391.5	397.0	496.0	628.1	694.1	817.3	1063.8
125°	418.1	397.8	377.4	397.8	418.1	423.2	509.8	625.2	683.0	787.7	997.1
127.5°	443.3	422.9	402.3	422.9	443.3	448.5	523.5	623.6	673.7	763.5	943.3
130°	459.8	437.8	415.6	437.8	459.8	465.4	533.7	624.7	670.1	750.2	910.2
132.5°	473.6	451.5	429.4	451.5	473.6	479.1	541.8	625.2	667.0	738.6	881.9
135°	490.1	470.0	449.8	470.0	490.1	495.2	550.7	624.7	661.6	721.6	841.6
137.5°	510.5	490.6	470.7	490.6	510.5	515.5	563.9	628.5	660.8	711.5	812.9
140°	524.8	506.3	488.0	506.3	524.8	529.4	572.1	629.2	657.6	701.4	789.1
142.5°	535.4	518.4	501.4	518.4	535.4	539.6	578.9	631.4	657.6	696.1	773.1
145°	551.3	536.6	521.8	536.6	551.3	555.0	587.8	631.4	653.2	684.7	747.7
147.5°	571.0	556.6	542.2	556.6	571.0	574.6	600.8	635.7	653.2	678.0	727.5
150°	581.6	568.5	555.5	568.5	581.6	584.8	607.7	638.0	653.2	674.1	716.0
152.5°	589.0	579.2	569.3	579.2	589.0	591.5	612.1	639.5	653.2	671.1	706.8
155°	604.3	597.0	589.7	597.0	604.3	606.1	621.8	642.7	653.2	667.4	695.9
157.5°	619.0	612.0	604.8	612.0	619.0	620.8	631.6	646.1	653.2	664.3	686.4
160°	626.1	620.6	615.0	620.6	626.1	627.4	636.0	647.5	653.2	662.7	681.6
162.5°	633.5	629.4	625.2	629.4	633.5	634.6	640.8	649.1	653.2	661.2	677.2
165°	643.9	640.1	636.3	640.1	643.9	644.8	647.6	651.3	653.2	658.9	670.4
167.5°	650.1	648.3	646.5	648.3	650.1	650.5	652.9	656.1	657.6	661.3	668.9
170°	656.8	655.0	653.2	655.0	656.8	657.2	657.3	657.5	657.6	661.3	668.9
172.5°	657.5	657.1	656.8	657.1	657.5	657.6	657.6	657.6	657.6	660.6	666.5
175°	661.6	661.6	661.6	661.6	661.6	661.6	660.3	658.5	657.6	659.5	663.2
177.5°	661.6	661.6	661.6	661.6	661.6	661.6	660.6	659.2	658.6	660.1	663.1
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6

TEST NUMBER: P935003

CATALOG NUMBER: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2472.4	2465.1	2474.8	2448.1	2474.8	2465.1	2472.4	2489.3	2474.8	2484.5	2494.2
5°	2169.4	2157.2	2118.5	2087.0	2118.5	2157.2	2169.4	2220.3	2244.5	2288.2	2346.3
7.5°	1939.1	1929.4	1919.7	1900.4	1919.7	1929.4	1939.1	1953.6	1977.9	2016.7	2060.3
10°	1888.2	1890.6	1905.2	1902.7	1905.2	1890.6	1888.2	1883.4	1876.1	1883.4	1910.0
12.5°	2019.2	2040.9	2121.0	2116.1	2121.0	2040.9	2019.2	1922.1	1856.7	1844.6	1849.5
15°	2169.4	2176.6	2193.6	2196.0	2193.6	2176.6	2169.4	2130.6	1934.3	1849.5	1822.8
17.5°	2183.9	2186.4	2198.5	2198.5	2198.5	2186.4	2183.9	2167.0	2101.5	1987.6	1837.3
20°	2171.9	2176.6	2200.9	2205.8	2200.9	2176.6	2171.9	2150.0	2113.6	2072.4	1958.5
22.5°	2167.0	2176.6	2196.0	2193.6	2196.0	2176.6	2167.0	2133.0	2101.5	2072.4	2026.4
25°	2142.7	2142.7	2145.1	2147.6	2145.1	2142.7	2142.7	2116.1	2053.1	2045.8	2019.2
27.5°	2091.8	2096.7	2111.2	2108.8	2111.2	2096.7	2091.8	2082.1	2014.3	2007.0	1987.6
30°	2045.8	2040.9	2028.8	2019.2	2028.8	2040.9	2045.8	2031.2	1963.4	1944.0	1948.8
32.5°	1968.3	1956.1	1944.0	1936.7	1944.0	1956.1	1968.3	1963.4	1912.5	1885.8	1890.6
35°	1876.1	1878.5	1876.1	1868.8	1876.1	1878.5	1876.1	1881.0	1849.5	1825.2	1822.8
37.5°	1810.7	1815.5	1813.1	1803.4	1813.1	1815.5	1810.7	1805.8	1762.2	1754.9	1759.8
40°	1742.8	1745.2	1742.8	1735.5	1742.8	1745.2	1742.8	1733.1	1672.5	1674.9	1691.9
42.5°	1677.4	1674.9	1667.6	1662.8	1667.6	1674.9	1677.4	1662.8	1585.2	1577.9	1609.5
45°	1602.2	1604.6	1590.1	1582.8	1590.1	1604.6	1602.2	1592.5	1512.5	1493.1	1514.9
47.5°	1527.0	1527.0	1514.9	1507.7	1514.9	1527.0	1527.0	1514.9	1430.1	1410.7	1422.9
50°	1447.1	1444.6	1427.7	1425.2	1427.7	1444.6	1447.1	1439.8	1350.1	1333.2	1333.2
52.5°	1355.0	1355.0	1357.3	1362.2	1357.3	1355.0	1355.0	1357.3	1277.4	1260.4	1255.5
55°	1274.9	1277.4	1294.4	1299.2	1294.4	1277.4	1274.9	1274.9	1202.2	1185.3	1175.6
57.5°	1192.6	1192.6	1204.6	1204.6	1204.6	1192.6	1192.6	1187.7	1117.4	1102.8	1098.1
60°	1098.1	1102.8	1112.6	1110.2	1112.6	1102.8	1098.1	1093.2	1032.5	1022.9	1005.9
62.5°	998.6	1003.5	1005.9	1001.0	1005.9	1003.5	998.6	984.1	947.7	940.5	918.6
65°	894.5	899.2	901.7	896.8	901.7	899.2	894.5	887.2	860.5	848.3	828.9
67.5°	787.8	785.3	782.9	792.6	782.9	785.3	787.8	778.0	761.1	751.4	724.7
70°	678.7	678.7	676.2	681.1	676.2	678.7	678.7	671.5	661.7	654.5	630.2
72.5°	562.3	559.9	569.7	562.3	569.7	559.9	562.3	559.9	555.0	547.8	523.5
75°	448.5	453.2	448.5	455.7	448.5	453.2	448.5	450.9	448.5	443.6	426.6
77.5°	341.8	346.7	341.8	341.8	341.8	346.7	341.8	344.2	344.2	344.2	329.7
80°	242.4	240.0	240.0	237.5	240.0	240.0	242.4	242.4	244.8	240.0	235.1
82.5°	155.1	152.7	152.7	157.6	152.7	152.7	155.1	157.6	152.7	152.7	152.7
85°	84.8	87.3	82.4	82.4	82.4	87.3	84.8	80.0	84.8	84.8	82.4
87.5°	31.5	29.1	29.1	29.1	29.1	29.1	31.5	33.9	33.9	33.9	36.4
90°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	22.5	30.0	33.7	28.9
92.5°	84.3	81.0	67.5	54.1	67.5	81.0	84.3	119.6	166.6	190.0	166.8
95°	286.4	276.3	235.6	194.9	235.6	276.3	286.4	376.1	495.7	555.5	469.2
97.5°	661.2	641.9	564.5	487.1	564.5	641.9	661.2	718.0	793.5	831.3	687.3
100°	928.5	905.5	813.3	721.1	813.3	905.5	928.5	924.4	918.9	916.1	756.4
102.5°	1156.8	1137.0	1058.1	979.2	1058.1	1137.0	1156.8	1084.6	988.2	940.1	778.0
105°	1423.2	1412.6	1370.1	1327.7	1370.1	1412.6	1423.2	1261.3	1045.3	937.4	780.5
107.5°	1561.8	1564.4	1574.6	1584.8	1574.6	1564.4	1561.8	1335.9	1034.7	884.1	745.8
110°	1597.3	1608.4	1652.5	1696.7	1652.5	1608.4	1597.3	1344.8	1008.1	839.7	715.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1574.6	1591.6	1659.5	1727.4	1659.5	1591.6	1574.6	1316.2	971.6	799.3	688.1
115°	1497.8	1521.3	1615.5	1709.6	1615.5	1521.3	1497.8	1248.9	916.9	750.9	657.2
117.5°	1391.7	1417.8	1522.2	1626.6	1522.2	1417.8	1391.7	1167.0	867.4	717.6	637.9
120°	1320.2	1345.6	1447.0	1548.4	1447.0	1345.6	1320.2	1114.9	841.2	704.3	631.4
122.5°	1248.7	1273.7	1373.8	1473.9	1373.8	1273.7	1248.7	1063.8	817.3	694.1	628.1
125°	1154.1	1177.1	1269.4	1361.5	1269.4	1177.1	1154.1	997.1	787.7	683.0	625.2
127.5°	1078.2	1097.7	1175.4	1253.2	1175.4	1097.7	1078.2	943.3	763.5	673.7	623.6
130°	1030.3	1048.2	1120.0	1191.8	1120.0	1048.2	1030.3	910.2	750.2	670.1	624.7
132.5°	989.4	1005.4	1069.8	1134.2	1069.8	1005.4	989.4	881.9	738.6	667.0	625.2
135°	931.6	945.4	1000.9	1056.4	1000.9	945.4	931.6	841.6	721.6	661.6	624.7
137.5°	889.0	900.4	945.7	991.2	945.7	900.4	889.0	812.9	711.5	660.8	628.5
140°	854.8	865.4	907.9	950.3	907.9	865.4	854.8	789.1	701.4	657.6	629.2
142.5°	830.8	840.0	876.5	913.0	876.5	840.0	830.8	773.1	696.1	657.6	631.4
145°	794.8	801.7	829.4	857.0	829.4	801.7	794.8	747.7	684.7	653.2	631.4
147.5°	764.7	770.4	793.2	816.1	793.2	770.4	764.7	727.5	678.0	653.2	635.7
150°	747.4	752.1	770.6	789.1	770.6	752.1	747.4	716.0	674.1	653.2	638.0
152.5°	733.6	737.2	751.1	765.1	751.1	737.2	733.6	706.8	671.1	653.2	639.5
155°	717.2	719.5	728.8	738.0	728.8	719.5	717.2	695.9	667.4	653.2	642.7
157.5°	703.0	704.6	711.1	717.6	711.1	704.6	703.0	686.4	664.3	653.2	646.1
160°	695.8	696.8	700.5	704.3	700.5	696.8	695.8	681.6	662.7	653.2	647.5
162.5°	689.2	690.1	693.6	697.2	693.6	690.1	689.2	677.2	661.2	653.2	649.1
165°	679.0	680.0	683.7	687.4	683.7	680.0	679.0	670.4	658.9	653.2	651.3
167.5°	674.5	674.9	676.5	678.0	676.5	674.9	674.5	668.9	661.3	657.6	656.1
170°	674.5	674.5	674.5	674.5	674.5	674.5	674.5	668.9	661.3	657.6	657.5
172.5°	671.0	670.6	669.3	667.8	669.3	670.6	671.0	666.5	660.6	657.6	657.6
175°	666.1	666.1	666.1	666.1	666.1	666.1	666.1	663.2	659.5	657.6	658.5
177.5°	665.3	664.9	663.2	661.6	663.2	664.9	665.3	663.1	660.1	658.6	659.2
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2530.6	2542.7	2549.9	2559.7	2583.8
5°	2433.6	2479.7	2494.2	2530.6	2574.2
7.5°	2220.3	2360.9	2399.6	2486.9	2554.8
10°	2014.3	2154.9	2222.8	2428.8	2530.6
12.5°	1910.0	1992.4	2038.5	2327.0	2496.7
15°	1844.6	1902.7	1936.7	2191.2	2457.9
17.5°	1793.7	1834.9	1859.1	2057.9	2404.5
20°	1762.2	1781.6	1803.4	1960.9	2344.0
22.5°	1740.4	1728.3	1745.2	1893.1	2261.5
25°	1725.8	1679.7	1699.1	1839.7	2164.5
27.5°	1737.9	1636.1	1643.4	1791.3	2062.7
30°	1740.4	1582.8	1585.2	1740.4	1948.8
32.5°	1723.4	1527.0	1529.5	1677.4	1820.3
35°	1682.2	1461.6	1459.1	1604.6	1645.8
37.5°	1626.5	1391.3	1391.3	1524.7	1454.4
40°	1558.6	1321.1	1328.3	1420.4	1284.7
42.5°	1476.1	1245.9	1255.5	1282.3	1158.6
45°	1386.5	1173.1	1180.5	1083.4	1061.7
47.5°	1287.1	1098.1	1100.4	899.2	1030.2
50°	1168.3	1020.4	1010.8	770.8	1027.8
52.5°	1064.1	935.6	906.6	698.1	933.2
55°	962.3	845.9	782.9	642.3	865.3
57.5°	872.6	729.6	669.0	576.9	850.8
60°	790.2	615.7	569.7	506.6	780.5
62.5°	722.4	530.8	521.1	458.1	707.8
65°	649.6	472.6	470.2	417.0	601.2
67.5°	579.3	433.9	431.5	378.1	458.1
70°	504.1	392.7	387.8	336.9	339.3
72.5°	426.6	346.7	341.8	303.0	281.2
75°	349.1	293.3	290.9	264.2	227.9
77.5°	273.9	232.7	237.5	213.3	167.2
80°	196.3	169.7	174.5	152.7	126.1
82.5°	130.9	111.5	116.3	96.9	84.8
85°	72.7	63.0	65.4	50.9	38.8
87.5°	33.9	29.1	29.1	19.4	12.1
90°	19.5	12.4	11.6	7.9	4.4
92.5°	120.4	85.7	78.1	47.9	17.8
95°	296.4	166.9	153.1	97.9	42.6
97.5°	399.4	183.4	171.1	122.4	73.7
100°	436.8	197.2	186.1	141.9	97.7
102.5°	454.0	211.0	200.6	159.4	118.1
105°	466.7	231.4	222.7	187.8	152.8
107.5°	469.1	261.6	253.5	220.9	188.3
110°	465.5	278.4	271.0	241.7	212.3

TEST NUMBER: P935003

CATALOG NUMBER: SQ4-FA-075U-125D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	465.7	298.8	291.8	263.8	235.8
115°	470.0	329.5	323.0	297.2	271.3
117.5°	478.7	359.3	353.3	329.9	306.4
120°	485.8	376.6	371.0	349.0	326.8
122.5°	496.0	397.0	391.5	369.1	346.9
125°	509.8	423.2	418.1	397.8	377.4
127.5°	523.5	448.5	443.3	422.9	402.3
130°	533.7	465.4	459.8	437.8	415.6
132.5°	541.8	479.1	473.6	451.5	429.4
135°	550.7	495.2	490.1	470.0	449.8
137.5°	563.9	515.5	510.5	490.6	470.7
140°	572.1	529.4	524.8	506.3	488.0
142.5°	578.9	539.6	535.4	518.4	501.4
145°	587.8	555.0	551.3	536.6	521.8
147.5°	600.8	574.6	571.0	556.6	542.2
150°	607.7	584.8	581.6	568.5	555.5
152.5°	612.1	591.5	589.0	579.2	569.3
155°	621.8	606.1	604.3	597.0	589.7
157.5°	631.6	620.8	619.0	612.0	604.8
160°	636.0	627.4	626.1	620.6	615.0
162.5°	640.8	634.6	633.5	629.4	625.2
165°	647.6	644.8	643.9	640.1	636.3
167.5°	652.9	650.5	650.1	648.3	646.5
170°	657.3	657.2	656.8	655.0	653.2
172.5°	657.6	657.6	657.5	657.1	656.8
175°	660.3	661.6	661.6	661.6	661.6
177.5°	660.6	661.6	661.6	661.6	661.6
180°	661.6	661.6	661.6	661.6	661.6

(END OF REPORT)