

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: P934903

Luminaire Tested: SQ4-FA-075U-100D-B40-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934903
REPORT IS A COMBINATION OF REPORTS P933715 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-B40-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

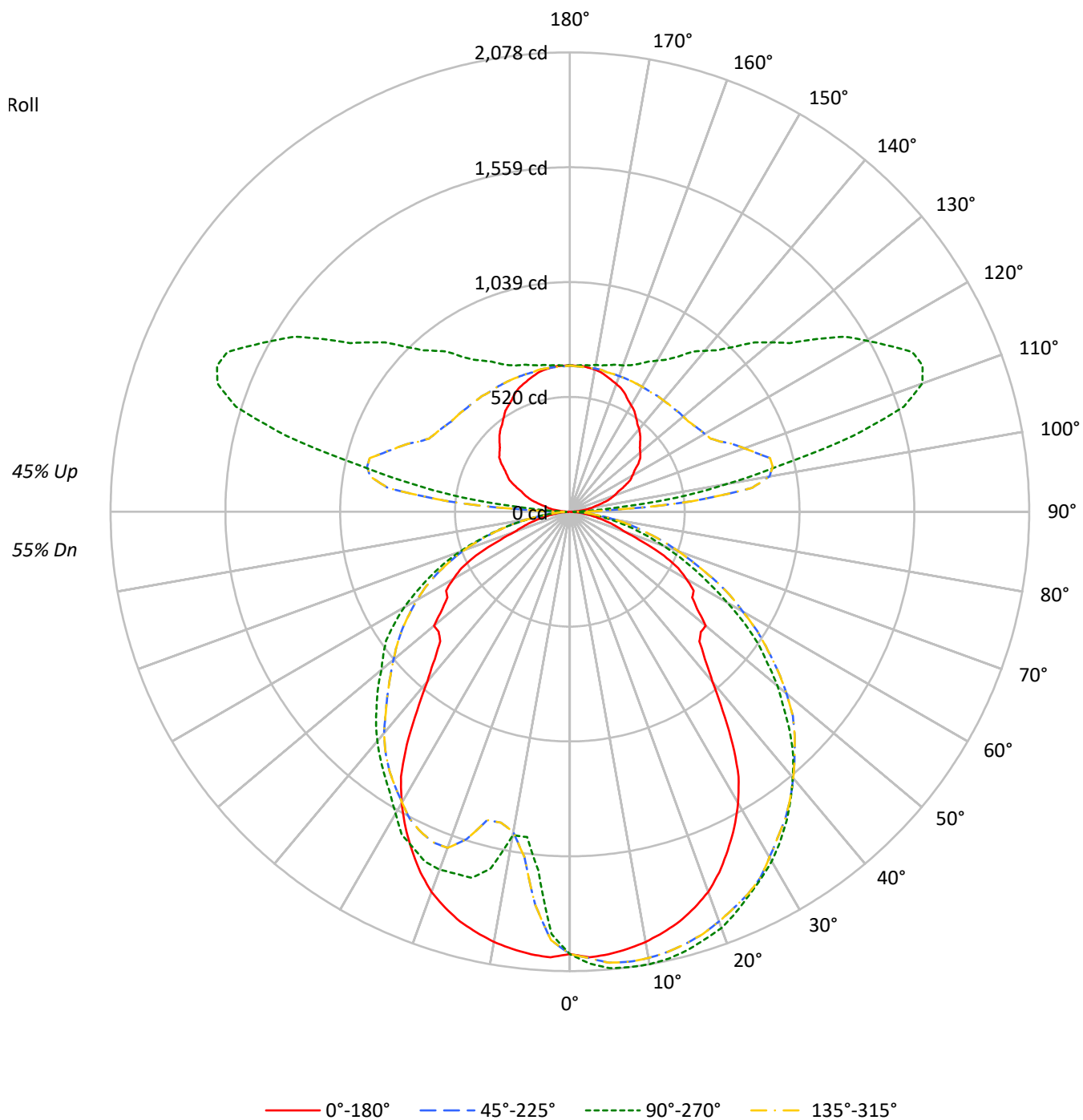
Lumens per Lamp: N/A
Luminaire Lumens: 9478.4 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 76.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12374	12374	12374	12374
5°	12462	12492	12462	9822
10°	12375	12305	12375	8797
15°	12235	12038	12235	10052
20°	11975	11723	11975	10073
25°	11446	11262	11446	9860
30°	10765	10879	10765	9391
35°	9592	10395	9592	8876
40°	7988	9826	7988	8487
45°	7133	9160	7133	8039
50°	7572	8364	7572	7590
55°	7118	7508	7118	7331
60°	7328	6376	7328	6714
65°	6634	5271	6634	5892
70°	4581	4201	4581	4938
75°	4003	3105	4003	3719
80°	3203	2054	3203	2236
85°	1806	1087	1806	925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 10940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	1.9
10°-20°	512.7	5.4
20°-30°	792.5	8.4
30°-40°	946.1	10.0
40°-50°	951.6	10.0
50°-60°	828.0	8.7
60°-70°	587.1	6.2
70°-80°	310.6	3.3
80°-90°	79.9	0.8
90°-100°	322.5	3.4
100°-110°	847.9	8.9
110°-120°	879.2	9.3
120°-130°	705.2	7.4
130°-140°	553.4	5.8
140°-150°	424.7	4.5
150°-160°	305.9	3.2
160°-170°	187.1	2.0
170°-180°	63.2	0.7
0°-30°	1485.8	15.7
0°-40°	2431.9	25.7
0°-60°	4211.6	44.4
0°-90°	5189.1	54.7
90°-120°	2049.7	21.6
90°-150°	3733.0	39.4
90°-180°	4289.0	45.3
0°-180°	9478.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2000	2000	2000	2000	2000	
5°	2010	2072	2010	1629	2010	191
15°	1919	2053	1919	1715	1919	540
25°	1690	1915	1690	1677	1690	776
35°	1285	1709	1285	1459	1285	795
45°	829	1408	829	1236	829	664
55°	676	1039	676	1014	676	621
65°	469	626	469	700	469	449
75°	178	297	178	356	178	187
85°	30	76	30	64	30	41
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°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2017.4	2017.4	2028.8	2032.5	2032.5	2026.9	2021.2	2026.9	2043.9	2049.6	2047.7
5°	2009.8	2025.0	2045.8	2049.6	2053.3	2051.4	2047.7	2051.4	2070.3	2074.2	2076.1
7.5°	1994.7	2023.1	2049.6	2055.3	2060.9	2055.3	2053.3	2057.2	2076.1	2079.9	2079.9
10°	1975.8	2015.5	2045.8	2049.6	2055.3	2049.6	2049.6	2057.2	2076.1	2079.9	2081.7
12.5°	1949.3	2004.2	2032.5	2036.3	2043.9	2042.0	2040.1	2047.7	2066.6	2070.3	2070.3
15°	1919.0	1983.3	2009.8	2013.6	2026.9	2023.1	2023.1	2030.6	2051.4	2057.2	2055.3
17.5°	1877.3	1956.8	1987.2	1992.8	2002.3	2000.3	2002.3	2009.8	2028.8	2032.5	2034.4
20°	1830.1	1920.9	1956.8	1962.5	1972.0	1972.0	1972.0	1981.4	2000.3	2008.0	2008.0
22.5°	1765.7	1883.1	1920.9	1924.7	1936.1	1936.1	1939.8	1953.1	1970.1	1972.0	1972.0
25°	1690.0	1841.4	1873.6	1884.9	1896.2	1902.0	1907.6	1915.3	1920.9	1919.0	1920.9
27.5°	1610.5	1788.4	1830.1	1837.6	1852.8	1858.4	1866.0	1867.9	1869.8	1875.4	1871.7
30°	1521.6	1714.6	1777.1	1784.6	1809.2	1813.0	1805.4	1809.2	1818.7	1822.5	1826.2
32.5°	1421.2	1604.9	1722.2	1739.2	1761.9	1750.5	1748.7	1754.3	1769.5	1769.5	1773.2
35°	1285.0	1519.7	1671.1	1686.2	1703.2	1690.0	1697.6	1699.4	1708.9	1714.6	1712.7
37.5°	1135.5	1445.9	1618.1	1629.4	1642.7	1625.7	1637.0	1642.7	1650.2	1646.5	1646.5
40°	1003.0	1330.4	1555.6	1563.2	1574.6	1561.3	1572.7	1576.4	1580.2	1576.4	1574.6
42.5°	904.6	1203.6	1489.4	1498.9	1491.3	1500.8	1504.5	1512.1	1506.4	1498.9	1498.9
45°	828.9	1169.6	1417.5	1428.9	1417.5	1432.6	1438.3	1438.3	1421.2	1417.5	1415.6
47.5°	804.3	1101.4	1345.6	1345.6	1339.9	1358.8	1368.2	1355.0	1338.0	1332.3	1332.3
50°	802.4	1025.8	1247.1	1239.6	1266.0	1288.8	1279.3	1266.0	1252.9	1232.0	1232.0
52.5°	728.6	933.0	1120.3	1148.8	1190.4	1203.6	1188.5	1175.2	1152.5	1143.0	1135.5
55°	675.7	836.5	1004.9	1061.7	1105.2	1122.2	1093.9	1080.6	1046.6	1040.9	1037.1
57.5°	664.3	696.5	898.9	970.9	1023.9	1021.9	1004.9	980.3	951.9	946.2	944.4
60°	609.4	503.4	785.4	870.6	925.4	919.8	904.6	881.9	855.4	851.7	847.8
62.5°	552.6	365.3	656.7	753.2	830.8	828.9	815.7	781.6	762.7	753.2	745.7
65°	469.4	306.6	467.5	626.4	738.1	741.8	713.5	688.8	668.0	656.7	654.8
67.5°	357.6	249.8	316.0	522.3	649.1	645.4	609.4	598.0	571.6	565.8	554.5
70°	264.9	166.6	219.6	423.9	562.1	552.6	524.2	511.0	486.4	473.1	465.6
72.5°	219.6	134.4	160.8	329.3	473.1	461.7	437.2	422.0	401.2	389.8	382.3
75°	177.9	141.9	123.0	244.1	384.2	376.7	353.9	338.7	321.7	306.6	308.5
77.5°	130.5	132.5	98.4	179.8	304.6	293.4	280.1	261.2	253.6	238.5	238.5
80°	98.4	104.1	73.8	123.0	219.6	219.6	208.2	194.9	181.6	174.1	174.1
82.5°	66.3	66.3	54.9	77.5	149.6	143.8	136.3	132.5	124.9	121.1	121.1
85°	30.3	37.8	34.1	47.3	81.4	85.2	85.2	81.4	79.5	75.7	77.5
87.5°	9.5	17.0	20.8	26.5	41.6	43.5	45.5	45.5	45.5	47.3	47.3
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°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2051.4	2045.8	2051.4	2047.7	2049.6	2043.9	2026.9	2021.2	2026.9	2032.5	2032.5
5°	2076.1	2072.3	2076.1	2076.1	2074.2	2070.3	2051.4	2047.7	2051.4	2053.3	2049.6
7.5°	2083.6	2078.0	2083.6	2079.9	2079.9	2076.1	2057.2	2053.3	2055.3	2060.9	2055.3
10°	2083.6	2078.0	2083.6	2081.7	2079.9	2076.1	2057.2	2049.6	2049.6	2055.3	2049.6
12.5°	2074.2	2070.3	2074.2	2070.3	2070.3	2066.6	2047.7	2040.1	2042.0	2043.9	2036.3
15°	2059.1	2053.3	2059.1	2055.3	2057.2	2051.4	2030.6	2023.1	2023.1	2026.9	2013.6
17.5°	2036.3	2028.8	2036.3	2034.4	2032.5	2028.8	2009.8	2002.3	2000.3	2002.3	1992.8
20°	2009.8	2004.2	2009.8	2008.0	2008.0	2000.3	1981.4	1972.0	1972.0	1972.0	1962.5
22.5°	1968.2	1962.5	1968.2	1972.0	1972.0	1970.1	1953.1	1939.8	1936.1	1936.1	1924.7
25°	1920.9	1915.3	1920.9	1920.9	1919.0	1920.9	1915.3	1907.6	1902.0	1896.2	1884.9
27.5°	1875.4	1871.7	1875.4	1871.7	1875.4	1869.8	1867.9	1866.0	1858.4	1852.8	1837.6
30°	1830.1	1826.2	1830.1	1826.2	1822.5	1818.7	1809.2	1805.4	1813.0	1809.2	1784.6
32.5°	1773.2	1769.5	1773.2	1773.2	1769.5	1769.5	1754.3	1748.7	1750.5	1761.9	1739.2
35°	1714.6	1708.9	1714.6	1712.7	1714.6	1708.9	1699.4	1697.6	1690.0	1703.2	1686.2
37.5°	1646.5	1640.8	1646.5	1646.5	1646.5	1650.2	1642.7	1637.0	1625.7	1642.7	1629.4
40°	1576.4	1568.9	1576.4	1574.6	1576.4	1580.2	1576.4	1572.7	1561.3	1574.6	1563.2
42.5°	1497.0	1495.1	1497.0	1498.9	1498.9	1506.4	1512.1	1504.5	1500.8	1491.3	1498.9
45°	1411.8	1408.1	1411.8	1415.6	1417.5	1421.2	1438.3	1438.3	1432.6	1417.5	1428.9
47.5°	1321.0	1311.5	1321.0	1332.3	1332.3	1338.0	1355.0	1368.2	1358.8	1339.9	1345.6
50°	1224.4	1226.3	1224.4	1232.0	1232.0	1252.9	1266.0	1279.3	1288.8	1266.0	1239.6
52.5°	1129.9	1128.0	1129.9	1135.5	1143.0	1152.5	1175.2	1188.5	1203.6	1190.4	1148.8
55°	1035.2	1038.9	1035.2	1037.1	1040.9	1046.6	1080.6	1093.9	1122.2	1105.2	1061.7
57.5°	940.6	934.8	940.6	944.4	946.2	951.9	980.3	1004.9	1021.9	1023.9	970.9
60°	830.8	823.2	830.8	847.8	851.7	855.4	881.9	904.6	919.8	925.4	870.6
62.5°	734.3	721.0	734.3	745.7	753.2	762.7	781.6	815.7	828.9	830.8	753.2
65°	632.1	626.4	632.1	654.8	656.7	668.0	688.8	713.5	741.8	738.1	626.4
67.5°	539.4	539.4	539.4	554.5	565.8	571.6	598.0	609.4	645.4	649.1	522.3
70°	454.2	452.3	454.2	465.6	473.1	486.4	511.0	524.2	552.6	562.1	423.9
72.5°	372.8	370.9	372.8	382.3	389.8	401.2	422.0	437.2	461.7	473.1	329.3
75°	300.9	297.1	300.9	308.5	306.6	321.7	338.7	353.9	376.7	384.2	244.1
77.5°	230.9	230.9	230.9	238.5	238.5	253.6	261.2	280.1	293.4	304.6	179.8
80°	172.2	170.4	172.2	174.1	174.1	181.6	194.9	208.2	219.6	219.6	123.0
82.5°	121.1	117.4	121.1	121.1	121.1	124.9	132.5	136.3	143.8	149.6	77.5
85°	75.7	75.7	75.7	77.5	75.7	79.5	81.4	85.2	85.2	81.4	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.5	41.6	26.5
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: P934903

CATALOG NUMBER: SQ4-FA-075U-100D-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: P934903

CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2028.8	2017.4	2017.4	1998.4	1990.9	1985.3	1975.8	1947.3	1939.8	1932.3	1943.6
5°	2045.8	2025.0	2009.8	1975.8	1947.3	1936.1	1900.1	1832.0	1786.5	1752.4	1733.5
7.5°	2049.6	2023.1	1994.7	1941.7	1873.6	1843.2	1733.5	1608.6	1574.6	1544.2	1525.3
10°	2045.8	2015.5	1975.8	1896.2	1735.4	1682.4	1572.7	1491.3	1470.5	1464.8	1470.5
12.5°	2032.5	2004.2	1949.3	1816.8	1591.6	1555.6	1491.3	1444.0	1440.2	1449.7	1500.8
15°	2009.8	1983.3	1919.0	1710.8	1512.1	1485.6	1440.2	1423.1	1444.0	1510.2	1663.5
17.5°	1987.2	1956.8	1877.3	1606.7	1451.5	1432.6	1400.4	1434.5	1551.9	1640.8	1691.9
20°	1956.8	1920.9	1830.1	1531.1	1408.1	1391.0	1375.9	1529.1	1618.1	1650.2	1678.6
22.5°	1920.9	1883.1	1765.7	1478.1	1362.6	1349.3	1358.8	1582.1	1618.1	1640.8	1665.4
25°	1873.6	1841.4	1690.0	1436.4	1326.7	1311.5	1347.5	1576.4	1597.2	1603.0	1652.2
27.5°	1830.1	1788.4	1610.5	1398.6	1283.1	1277.4	1357.0	1551.9	1567.0	1572.7	1625.7
30°	1777.1	1714.6	1521.6	1358.8	1237.7	1235.8	1358.8	1521.6	1517.8	1533.0	1585.9
32.5°	1722.2	1604.9	1421.2	1309.6	1194.1	1192.3	1345.6	1476.1	1472.3	1493.1	1533.0
35°	1671.1	1519.7	1285.0	1252.9	1139.3	1141.1	1313.4	1423.1	1425.1	1444.0	1468.6
37.5°	1618.1	1445.9	1135.5	1190.4	1086.3	1086.3	1269.9	1374.0	1370.1	1375.9	1409.9
40°	1555.6	1330.4	1003.0	1109.0	1037.1	1031.4	1216.9	1321.0	1307.7	1305.9	1353.1
42.5°	1489.4	1203.6	904.6	1001.1	980.3	972.8	1152.5	1256.6	1232.0	1237.7	1298.2
45°	1417.5	1169.6	828.9	845.9	921.7	915.9	1082.5	1182.8	1165.8	1181.0	1243.4
47.5°	1345.6	1101.4	804.3	702.1	859.2	857.3	1004.9	1110.9	1101.4	1116.6	1182.8
50°	1247.1	1025.8	802.4	601.8	789.2	796.8	912.2	1040.9	1040.9	1054.1	1124.1
52.5°	1120.3	933.0	728.6	545.0	707.8	730.5	830.8	980.3	984.1	997.3	1059.8
55°	1004.9	836.5	675.7	501.5	611.3	660.5	751.3	917.9	925.4	938.7	995.5
57.5°	898.9	696.5	664.3	450.4	522.3	569.7	681.3	857.3	861.1	872.5	927.3
60°	785.4	503.4	609.4	395.6	444.7	480.7	616.9	785.4	798.7	806.2	853.5
62.5°	656.7	365.3	552.6	357.6	406.9	414.5	563.9	717.3	734.3	739.9	768.4
65°	467.5	306.6	469.4	325.5	367.1	369.0	507.2	647.2	662.4	671.8	692.7
67.5°	316.0	249.8	357.6	295.2	336.8	338.7	452.3	565.8	586.7	594.2	607.5
70°	219.6	166.6	264.9	263.1	302.8	306.6	393.7	492.0	511.0	516.7	524.2
72.5°	160.8	134.4	219.6	236.6	266.8	270.6	333.1	408.7	427.7	433.4	437.2
75°	123.0	141.9	177.9	206.3	227.1	229.0	272.6	333.1	346.3	350.1	352.0
77.5°	98.4	132.5	130.5	166.6	185.5	181.6	213.8	257.4	268.7	268.7	268.7
80°	73.8	104.1	98.4	119.2	136.3	132.5	153.3	183.6	187.4	191.1	189.3
82.5°	54.9	66.3	66.3	75.7	90.8	87.1	102.2	119.2	119.2	119.2	123.0
85°	34.1	37.8	30.3	39.7	51.1	49.2	56.8	64.4	66.3	66.3	62.5
87.5°	20.8	17.0	9.5	15.2	22.7	22.7	26.5	28.4	26.5	26.5	26.5
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: P934903

CATALOG NUMBER: SQ4-FA-075U-100D-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: P934903

CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1930.3	1924.7	1932.3	1911.4	1932.3	1924.7	1930.3	1943.6	1932.3	1939.8	1947.3
5°	1693.8	1684.3	1654.1	1629.4	1654.1	1684.3	1693.8	1733.5	1752.4	1786.5	1832.0
7.5°	1514.0	1506.4	1498.9	1483.7	1498.9	1506.4	1514.0	1525.3	1544.2	1574.6	1608.6
10°	1474.2	1476.1	1487.5	1485.6	1487.5	1476.1	1474.2	1470.5	1464.8	1470.5	1491.3
12.5°	1576.4	1593.5	1656.0	1652.2	1656.0	1593.5	1576.4	1500.8	1449.7	1440.2	1444.0
15°	1693.8	1699.4	1712.7	1714.6	1712.7	1699.4	1693.8	1663.5	1510.2	1444.0	1423.1
17.5°	1705.2	1707.1	1716.5	1716.5	1716.5	1707.1	1705.2	1691.9	1640.8	1551.9	1434.5
20°	1695.7	1699.4	1718.4	1722.2	1718.4	1699.4	1695.7	1678.6	1650.2	1618.1	1529.1
22.5°	1691.9	1699.4	1714.6	1712.7	1714.6	1699.4	1691.9	1665.4	1640.8	1618.1	1582.1
25°	1673.0	1673.0	1674.9	1676.8	1674.9	1673.0	1673.0	1652.2	1603.0	1597.2	1576.4
27.5°	1633.2	1637.0	1648.3	1646.5	1648.3	1637.0	1633.2	1625.7	1572.7	1567.0	1551.9
30°	1597.2	1593.5	1584.1	1576.4	1584.1	1593.5	1597.2	1585.9	1533.0	1517.8	1521.6
32.5°	1536.7	1527.2	1517.8	1512.1	1517.8	1527.2	1536.7	1533.0	1493.1	1472.3	1476.1
35°	1464.8	1466.7	1464.8	1459.1	1464.8	1466.7	1464.8	1468.6	1444.0	1425.1	1423.1
37.5°	1413.7	1417.5	1415.6	1408.1	1415.6	1417.5	1413.7	1409.9	1375.9	1370.1	1374.0
40°	1360.7	1362.6	1360.7	1355.0	1360.7	1362.6	1360.7	1353.1	1305.9	1307.7	1321.0
42.5°	1309.6	1307.7	1302.0	1298.2	1302.0	1307.7	1309.6	1298.2	1237.7	1232.0	1256.6
45°	1251.0	1252.9	1241.5	1235.8	1241.5	1252.9	1251.0	1243.4	1181.0	1165.8	1182.8
47.5°	1192.3	1192.3	1182.8	1177.1	1182.8	1192.3	1192.3	1182.8	1116.6	1101.4	1110.9
50°	1129.9	1128.0	1114.7	1112.8	1114.7	1128.0	1129.9	1124.1	1054.1	1040.9	1040.9
52.5°	1057.9	1057.9	1059.8	1063.6	1059.8	1057.9	1057.9	1059.8	997.3	984.1	980.3
55°	995.5	997.3	1010.6	1014.4	1010.6	997.3	995.5	995.5	938.7	925.4	917.9
57.5°	931.1	931.1	940.6	940.6	940.6	931.1	931.1	927.3	872.5	861.1	857.3
60°	857.3	861.1	868.7	866.8	868.7	861.1	857.3	853.5	806.2	798.7	785.4
62.5°	779.7	783.5	785.4	781.6	785.4	783.5	779.7	768.4	739.9	734.3	717.3
65°	698.3	702.1	704.0	700.2	704.0	702.1	698.3	692.7	671.8	662.4	647.2
67.5°	615.0	613.2	611.3	618.8	611.3	613.2	615.0	607.5	594.2	586.7	565.8
70°	529.9	529.9	528.0	531.7	528.0	529.9	529.9	524.2	516.7	511.0	492.0
72.5°	439.0	437.2	444.7	439.0	444.7	437.2	439.0	437.2	433.4	427.7	408.7
75°	350.1	353.9	350.1	355.8	350.1	353.9	350.1	352.0	350.1	346.3	333.1
77.5°	266.8	270.6	266.8	266.8	266.8	270.6	266.8	268.7	268.7	268.7	257.4
80°	189.3	187.4	187.4	185.5	187.4	187.4	189.3	189.3	191.1	187.4	183.6
82.5°	121.1	119.2	119.2	123.0	119.2	119.2	121.1	123.0	119.2	119.2	119.2
85°	66.3	68.1	64.4	64.4	64.4	68.1	66.3	62.5	66.3	66.3	64.4
87.5°	24.6	22.7	22.7	22.7	22.7	22.7	24.6	26.5	26.5	26.5	28.4
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°	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1975.8	1985.3	1990.9	1998.4	2017.4
5°	1900.1	1936.1	1947.3	1975.8	2009.8
7.5°	1733.5	1843.2	1873.6	1941.7	1994.7
10°	1572.7	1682.4	1735.4	1896.2	1975.8
12.5°	1491.3	1555.6	1591.6	1816.8	1949.3
15°	1440.2	1485.6	1512.1	1710.8	1919.0
17.5°	1400.4	1432.6	1451.5	1606.7	1877.3
20°	1375.9	1391.0	1408.1	1531.1	1830.1
22.5°	1358.8	1349.3	1362.6	1478.1	1765.7
25°	1347.5	1311.5	1326.7	1436.4	1690.0
27.5°	1357.0	1277.4	1283.1	1398.6	1610.5
30°	1358.8	1235.8	1237.7	1358.8	1521.6
32.5°	1345.6	1192.3	1194.1	1309.6	1421.2
35°	1313.4	1141.1	1139.3	1252.9	1285.0
37.5°	1269.9	1086.3	1086.3	1190.4	1135.5
40°	1216.9	1031.4	1037.1	1109.0	1003.0
42.5°	1152.5	972.8	980.3	1001.1	904.6
45°	1082.5	915.9	921.7	845.9	828.9
47.5°	1004.9	857.3	859.2	702.1	804.3
50°	912.2	796.8	789.2	601.8	802.4
52.5°	830.8	730.5	707.8	545.0	728.6
55°	751.3	660.5	611.3	501.5	675.7
57.5°	681.3	569.7	522.3	450.4	664.3
60°	616.9	480.7	444.7	395.6	609.4
62.5°	563.9	414.5	406.9	357.6	552.6
65°	507.2	369.0	367.1	325.5	469.4
67.5°	452.3	338.7	336.8	295.2	357.6
70°	393.7	306.6	302.8	263.1	264.9
72.5°	333.1	270.6	266.8	236.6	219.6
75°	272.6	229.0	227.1	206.3	177.9
77.5°	213.8	181.6	185.5	166.6	130.5
80°	153.3	132.5	136.3	119.2	98.4
82.5°	102.2	87.1	90.8	75.7	66.3
85°	56.8	49.2	51.1	39.7	30.3
87.5°	26.5	22.7	22.7	15.2	9.5
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: P934903

CATALOG NUMBER: SQ4-FA-075U-100D-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)