

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: P934907

Luminaire Tested: SQ4-FA-075U-100D-B50-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934907
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-B50-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

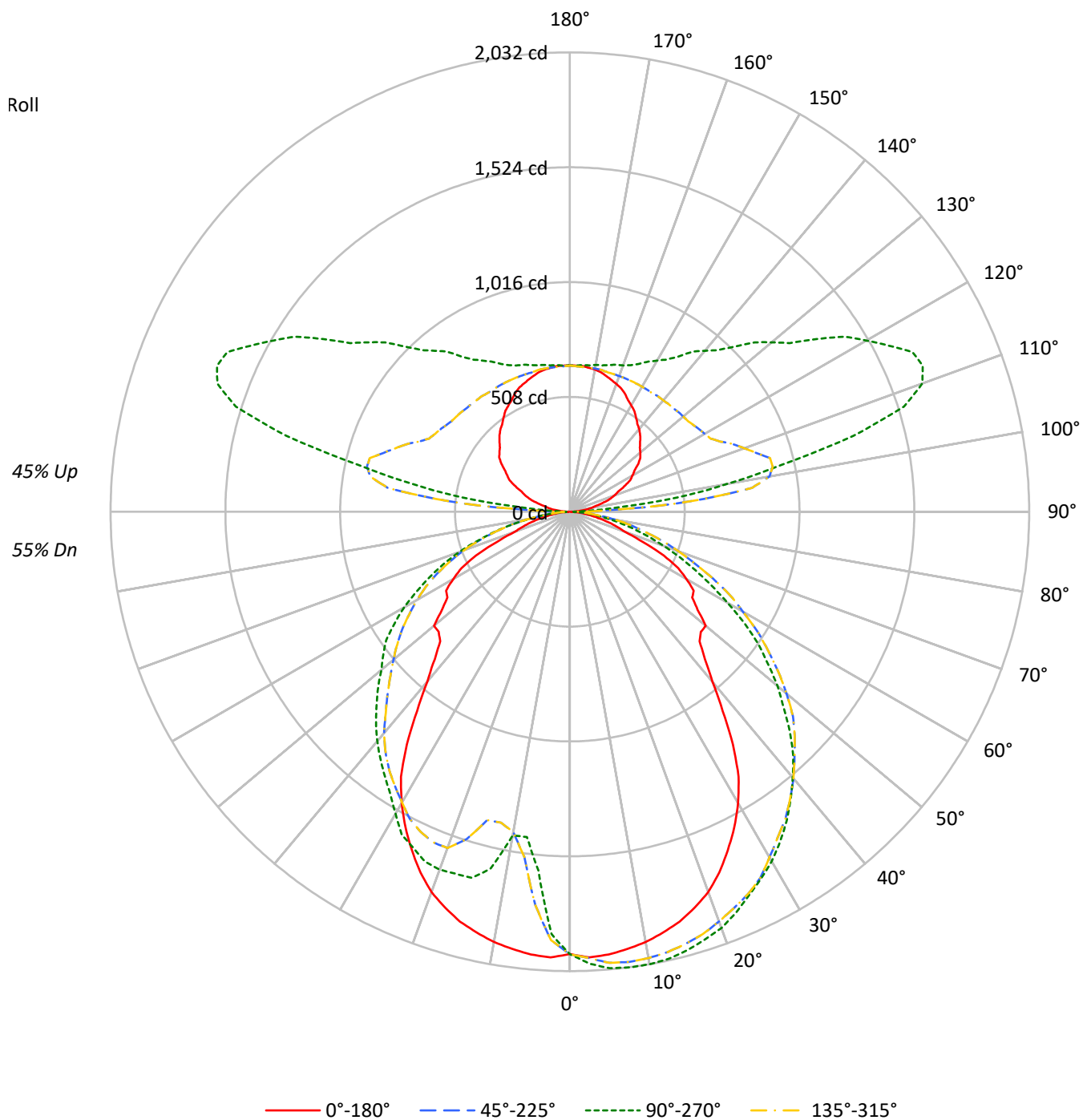
Lumens per Lamp: N/A
Luminaire Lumens: 9270.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

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°	12103	12103	12103	12103
5°	12188	12217	12188	9606
10°	12103	12034	12103	8603
15°	11966	11773	11966	9831
20°	11712	11465	11712	9852
25°	11194	11014	11194	9643
30°	10528	10640	10528	9185
35°	9382	10167	9382	8681
40°	7813	9610	7813	8301
45°	6976	8958	6976	7862
50°	7405	8180	7405	7423
55°	6961	7343	6961	7169
60°	7167	6236	7167	6566
65°	6488	5155	6488	5763
70°	4481	4108	4481	4831
75°	3915	3037	3915	3637
80°	3131	2008	3131	2186
85°	1765	1064	1765	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 10699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	1.9
10°-20°	501.4	5.4
20°-30°	775.1	8.4
30°-40°	925.3	10.0
40°-50°	930.7	10.0
50°-60°	809.8	8.7
60°-70°	574.2	6.2
70°-80°	303.8	3.3
80°-90°	78.1	0.8
90°-100°	315.4	3.4
100°-110°	829.3	8.9
110°-120°	859.9	9.3
120°-130°	689.7	7.4
130°-140°	541.2	5.8
140°-150°	415.4	4.5
150°-160°	299.2	3.2
160°-170°	183.0	2.0
170°-180°	61.8	0.7
0°-30°	1453.1	15.7
0°-40°	2378.4	25.7
0°-60°	4118.9	44.4
0°-90°	5075.0	54.7
90°-120°	2004.6	21.6
90°-150°	3650.9	39.4
90°-180°	4195.0	45.3
0°-180°	9270.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1956	1956	1956	1956	1956	
5°	1966	2027	1966	1594	1966	186
15°	1877	2008	1877	1677	1877	528
25°	1653	1873	1653	1640	1653	759
35°	1257	1671	1257	1427	1257	778
45°	811	1377	811	1209	811	649
55°	661	1016	661	992	661	607
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
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°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1973.1	1973.1	1984.2	1987.8	1987.8	1982.3	1976.7	1982.3	1998.9	2004.6	2002.7
5°	1965.6	1980.5	2000.8	2004.6	2008.2	2006.3	2002.7	2006.3	2024.8	2028.6	2030.4
7.5°	1950.8	1978.6	2004.6	2010.1	2015.6	2010.1	2008.2	2011.9	2030.4	2034.2	2034.2
10°	1932.4	1971.2	2000.8	2004.6	2010.1	2004.6	2004.6	2011.9	2030.4	2034.2	2035.9
12.5°	1906.4	1960.1	1987.8	1991.6	1998.9	1997.1	1995.2	2002.7	2021.2	2024.8	2024.8
15°	1876.8	1939.7	1965.6	1969.3	1982.3	1978.6	1978.6	1986.0	2006.3	2011.9	2010.1
17.5°	1836.1	1913.8	1943.5	1949.0	1958.2	1956.4	1958.2	1965.6	1984.2	1987.8	1989.7
20°	1789.8	1878.6	1913.8	1919.4	1928.6	1928.6	1928.6	1937.9	1956.4	1963.8	1963.8
22.5°	1726.9	1841.7	1878.6	1882.4	1893.5	1893.5	1897.1	1910.1	1926.7	1928.6	1928.6
25°	1652.8	1800.9	1832.4	1843.4	1854.6	1860.2	1865.7	1873.1	1878.6	1876.8	1878.6
27.5°	1575.1	1749.1	1789.8	1797.2	1812.1	1817.6	1824.9	1826.8	1828.7	1834.2	1830.5
30°	1488.1	1676.9	1738.0	1745.4	1769.5	1773.1	1765.7	1769.5	1778.7	1782.4	1786.1
32.5°	1390.0	1569.6	1684.3	1701.0	1723.1	1712.0	1710.2	1715.8	1730.6	1730.6	1734.3
35°	1256.8	1486.3	1634.3	1649.2	1665.8	1652.8	1660.3	1662.1	1671.3	1676.9	1675.0
37.5°	1110.5	1414.1	1582.5	1593.6	1606.6	1589.9	1601.0	1606.6	1614.0	1610.3	1610.3
40°	981.0	1301.2	1521.4	1528.9	1540.0	1527.0	1538.1	1541.8	1545.5	1541.8	1540.0
42.5°	884.7	1177.1	1456.7	1465.9	1458.5	1467.8	1471.4	1478.9	1473.3	1465.9	1465.9
45°	810.7	1143.9	1386.3	1397.5	1386.3	1401.1	1406.7	1406.7	1390.0	1386.3	1384.5
47.5°	786.6	1077.2	1316.0	1316.0	1310.4	1328.9	1338.1	1325.3	1308.5	1303.0	1303.0
50°	784.7	1003.2	1219.7	1212.3	1238.2	1260.4	1251.2	1238.2	1225.3	1205.0	1205.0
52.5°	712.5	912.5	1095.7	1123.5	1164.2	1177.1	1162.4	1149.4	1127.2	1117.9	1110.5
55°	660.8	818.1	982.8	1038.3	1080.9	1097.5	1069.8	1056.8	1023.6	1018.0	1014.3
57.5°	649.7	681.2	879.2	949.5	1001.3	999.5	982.8	958.8	931.0	925.4	923.6
60°	596.0	492.3	768.1	851.4	905.0	899.5	884.7	862.5	836.6	832.9	829.2
62.5°	540.4	357.3	642.2	736.6	812.6	810.7	797.7	764.4	745.9	736.6	729.3
65°	459.1	299.8	457.2	612.6	721.9	725.5	697.8	673.7	653.3	642.2	640.4
67.5°	349.8	244.3	309.1	510.8	634.8	631.2	596.0	584.9	559.0	553.4	542.3
70°	259.1	162.9	214.7	414.6	549.8	540.4	512.7	499.8	475.7	462.7	455.3
72.5°	214.7	131.4	157.3	322.0	462.7	451.6	427.6	412.7	392.4	381.3	373.9
75°	174.0	138.8	120.3	238.7	375.7	368.4	346.1	331.3	314.7	299.8	301.7
77.5°	127.7	129.5	96.2	175.9	297.9	286.9	273.9	255.4	248.0	233.2	233.2
80°	96.2	101.8	72.2	120.3	214.7	214.7	203.6	190.6	177.6	170.3	170.3
82.5°	64.8	64.8	53.7	75.8	146.3	140.7	133.3	129.5	122.2	118.4	118.4
85°	29.6	37.0	33.3	46.2	79.6	83.3	83.3	79.6	77.7	74.1	75.8
87.5°	9.2	16.6	20.4	25.9	40.7	42.6	44.5	44.5	44.5	46.2	46.2
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°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	2006.3	2000.8	2006.3	2002.7	2004.6	1998.9	1982.3	1976.7	1982.3	1987.8	1987.8
5°	2030.4	2026.7	2030.4	2030.4	2028.6	2024.8	2006.3	2002.7	2006.3	2008.2	2004.6
7.5°	2037.8	2032.3	2037.8	2034.2	2034.2	2030.4	2011.9	2008.2	2010.1	2015.6	2010.1
10°	2037.8	2032.3	2037.8	2035.9	2034.2	2030.4	2011.9	2004.6	2004.6	2010.1	2004.6
12.5°	2028.6	2024.8	2028.6	2024.8	2024.8	2021.2	2002.7	1995.2	1997.1	1998.9	1991.6
15°	2013.8	2008.2	2013.8	2010.1	2011.9	2006.3	1986.0	1978.6	1978.6	1982.3	1969.3
17.5°	1991.6	1984.2	1991.6	1989.7	1987.8	1984.2	1965.6	1958.2	1956.4	1958.2	1949.0
20°	1965.6	1960.1	1965.6	1963.8	1963.8	1956.4	1937.9	1928.6	1928.6	1928.6	1919.4
22.5°	1924.9	1919.4	1924.9	1928.6	1928.6	1926.7	1910.1	1897.1	1893.5	1893.5	1882.4
25°	1878.6	1873.1	1878.6	1878.6	1876.8	1878.6	1873.1	1865.7	1860.2	1854.6	1843.4
27.5°	1834.2	1830.5	1834.2	1830.5	1834.2	1828.7	1826.8	1824.9	1817.6	1812.1	1797.2
30°	1789.8	1786.1	1789.8	1786.1	1782.4	1778.7	1769.5	1765.7	1773.1	1769.5	1745.4
32.5°	1734.3	1730.6	1734.3	1734.3	1730.6	1730.6	1715.8	1710.2	1712.0	1723.1	1701.0
35°	1676.9	1671.3	1676.9	1675.0	1676.9	1671.3	1662.1	1660.3	1652.8	1665.8	1649.2
37.5°	1610.3	1604.7	1610.3	1610.3	1610.3	1614.0	1606.6	1601.0	1589.9	1606.6	1593.6
40°	1541.8	1534.4	1541.8	1540.0	1541.8	1545.5	1541.8	1538.1	1527.0	1540.0	1528.9
42.5°	1464.0	1462.2	1464.0	1465.9	1465.9	1473.3	1478.9	1471.4	1467.8	1458.5	1465.9
45°	1380.7	1377.1	1380.7	1384.5	1386.3	1390.0	1406.7	1406.7	1401.1	1386.3	1397.5
47.5°	1291.9	1282.7	1291.9	1303.0	1303.0	1308.5	1325.3	1338.1	1328.9	1310.4	1316.0
50°	1197.5	1199.3	1197.5	1205.0	1205.0	1225.3	1238.2	1251.2	1260.4	1238.2	1212.3
52.5°	1105.0	1103.1	1105.0	1110.5	1117.9	1127.2	1149.4	1162.4	1177.1	1164.2	1123.5
55°	1012.5	1016.1	1012.5	1014.3	1018.0	1023.6	1056.8	1069.8	1097.5	1080.9	1038.3
57.5°	919.9	914.3	919.9	923.6	925.4	931.0	958.8	982.8	999.5	1001.3	949.5
60°	812.6	805.1	812.6	829.2	832.9	836.6	862.5	884.7	899.5	905.0	851.4
62.5°	718.2	705.2	718.2	729.3	736.6	745.9	764.4	797.7	810.7	812.6	736.6
65°	618.2	612.6	618.2	640.4	642.2	653.3	673.7	697.8	725.5	721.9	612.6
67.5°	527.5	527.5	527.5	542.3	553.4	559.0	584.9	596.0	631.2	634.8	510.8
70°	444.2	442.3	444.2	455.3	462.7	475.7	499.8	512.7	540.4	549.8	414.6
72.5°	364.6	362.8	364.6	373.9	381.3	392.4	412.7	427.6	451.6	462.7	322.0
75°	294.3	290.6	294.3	301.7	299.8	314.7	331.3	346.1	368.4	375.7	238.7
77.5°	225.8	225.8	225.8	233.2	233.2	248.0	255.4	273.9	286.9	297.9	175.9
80°	168.4	166.6	168.4	170.3	170.3	177.6	190.6	203.6	214.7	214.7	120.3
82.5°	118.4	114.8	118.4	118.4	118.4	122.2	129.5	133.3	140.7	146.3	75.8
85°	74.1	74.1	74.1	75.8	74.1	77.7	79.6	83.3	83.3	79.6	46.2
87.5°	48.1	46.2	48.1	46.2	46.2	44.5	44.5	44.5	42.6	40.7	25.9
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: P934907

CATALOG NUMBER: SQ4-FA-075U-100D-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: P934907

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1984.2	1973.1	1973.1	1954.5	1947.1	1941.6	1932.4	1904.5	1897.1	1889.8	1900.9
5°	2000.8	1980.5	1965.6	1932.4	1904.5	1893.5	1858.3	1791.7	1747.2	1713.9	1695.4
7.5°	2004.6	1978.6	1950.8	1899.0	1832.4	1802.7	1695.4	1573.2	1540.0	1510.3	1491.8
10°	2000.8	1971.2	1932.4	1854.6	1697.3	1645.4	1538.1	1458.5	1438.2	1432.6	1438.2
12.5°	1987.8	1960.1	1906.4	1776.8	1556.6	1521.4	1458.5	1412.2	1408.6	1417.8	1467.8
15°	1965.6	1939.7	1876.8	1673.2	1478.9	1452.9	1408.6	1391.8	1412.2	1477.0	1626.9
17.5°	1943.5	1913.8	1836.1	1571.4	1419.6	1401.1	1369.6	1403.0	1517.8	1604.7	1654.7
20°	1913.8	1878.6	1789.8	1497.4	1377.1	1360.4	1345.6	1495.5	1582.5	1614.0	1641.7
22.5°	1878.6	1841.7	1726.9	1445.6	1332.6	1319.6	1328.9	1547.4	1582.5	1604.7	1628.8
25°	1832.4	1800.9	1652.8	1404.8	1297.5	1282.7	1317.9	1541.8	1562.1	1567.7	1615.8
27.5°	1789.8	1749.1	1575.1	1367.8	1254.9	1249.3	1327.1	1517.8	1532.5	1538.1	1589.9
30°	1738.0	1676.9	1488.1	1328.9	1210.5	1208.6	1328.9	1488.1	1484.4	1499.3	1551.0
32.5°	1684.3	1569.6	1390.0	1280.8	1167.9	1166.1	1316.0	1443.7	1439.9	1460.3	1499.3
35°	1634.3	1486.3	1256.8	1225.3	1114.3	1116.0	1284.5	1391.8	1393.7	1412.2	1436.3
37.5°	1582.5	1414.1	1110.5	1164.2	1062.4	1062.4	1241.9	1343.7	1340.0	1345.6	1378.9
40°	1521.4	1301.2	981.0	1084.7	1014.3	1008.7	1190.1	1291.9	1278.9	1277.2	1323.4
42.5°	1456.7	1177.1	884.7	979.1	958.8	951.4	1127.2	1229.0	1205.0	1210.5	1269.7
45°	1386.3	1143.9	810.7	827.3	901.4	895.8	1058.7	1156.8	1140.1	1155.0	1216.1
47.5°	1316.0	1077.2	786.6	686.7	840.3	838.5	982.8	1086.4	1077.2	1092.0	1156.8
50°	1219.7	1003.2	784.7	588.6	771.9	779.2	892.2	1018.0	1018.0	1030.9	1099.4
52.5°	1095.7	912.5	712.5	533.0	692.2	714.4	812.6	958.8	962.5	975.4	1036.5
55°	982.8	818.1	660.8	490.4	597.9	646.0	734.8	897.7	905.0	918.0	973.6
57.5°	879.2	681.2	649.7	440.5	510.8	557.1	666.3	838.5	842.2	853.3	906.9
60°	768.1	492.3	596.0	386.9	435.0	470.1	603.4	768.1	781.1	788.5	834.7
62.5°	642.2	357.3	540.4	349.8	398.0	405.4	551.5	701.5	718.2	723.7	751.5
65°	457.2	299.8	459.1	318.3	359.0	360.9	496.0	633.0	647.8	657.1	677.4
67.5°	309.1	244.3	349.8	288.7	329.4	331.3	442.3	553.4	573.8	581.1	594.1
70°	214.7	162.9	259.1	257.3	296.2	299.8	385.0	481.2	499.8	505.3	512.7
72.5°	157.3	131.4	214.7	231.4	261.0	264.7	325.8	399.8	418.3	423.8	427.6
75°	120.3	138.8	174.0	201.7	222.1	224.0	266.6	325.8	338.7	342.4	344.3
77.5°	96.2	129.5	127.7	162.9	181.4	177.6	209.1	251.7	262.8	262.8	262.8
80°	72.2	101.8	96.2	116.6	133.3	129.5	149.9	179.5	183.3	186.9	185.1
82.5°	53.7	64.8	64.8	74.1	88.8	85.2	99.9	116.6	116.6	116.6	120.3
85°	33.3	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.8	64.8	61.1
87.5°	20.4	16.6	9.2	14.9	22.2	22.2	25.9	27.7	25.9	25.9	25.9
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: P934907

CATALOG NUMBER: SQ4-FA-075U-100D-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: P934907

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1887.9	1882.4	1889.8	1869.4	1889.8	1882.4	1887.9	1900.9	1889.8	1897.1	1904.5
5°	1656.5	1647.3	1617.7	1593.6	1617.7	1647.3	1656.5	1695.4	1713.9	1747.2	1791.7
7.5°	1480.7	1473.3	1465.9	1451.1	1465.9	1473.3	1480.7	1491.8	1510.3	1540.0	1573.2
10°	1441.8	1443.7	1454.8	1452.9	1454.8	1443.7	1441.8	1438.2	1432.6	1438.2	1458.5
12.5°	1541.8	1558.5	1619.6	1615.8	1619.6	1558.5	1541.8	1467.8	1417.8	1408.6	1412.2
15°	1656.5	1662.1	1675.0	1676.9	1675.0	1662.1	1656.5	1626.9	1477.0	1412.2	1391.8
17.5°	1667.7	1669.5	1678.8	1678.8	1678.8	1669.5	1667.7	1654.7	1604.7	1517.8	1403.0
20°	1658.4	1662.1	1680.6	1684.3	1680.6	1662.1	1658.4	1641.7	1614.0	1582.5	1495.5
22.5°	1654.7	1662.1	1676.9	1675.0	1676.9	1662.1	1654.7	1628.8	1604.7	1582.5	1547.4
25°	1636.2	1636.2	1638.0	1639.9	1638.0	1636.2	1636.2	1615.8	1567.7	1562.1	1541.8
27.5°	1597.3	1601.0	1612.1	1610.3	1612.1	1601.0	1597.3	1589.9	1538.1	1532.5	1517.8
30°	1562.1	1558.5	1549.2	1541.8	1549.2	1558.5	1562.1	1551.0	1499.3	1484.4	1488.1
32.5°	1502.9	1493.7	1484.4	1478.9	1484.4	1493.7	1502.9	1499.3	1460.3	1439.9	1443.7
35°	1432.6	1434.4	1432.6	1427.1	1432.6	1434.4	1432.6	1436.3	1412.2	1393.7	1391.8
37.5°	1382.6	1386.3	1384.5	1377.1	1384.5	1386.3	1382.6	1378.9	1345.6	1340.0	1343.7
40°	1330.8	1332.6	1330.8	1325.3	1330.8	1332.6	1330.8	1323.4	1277.2	1278.9	1291.9
42.5°	1280.8	1278.9	1273.4	1269.7	1273.4	1278.9	1280.8	1269.7	1210.5	1205.0	1229.0
45°	1223.4	1225.3	1214.2	1208.6	1214.2	1225.3	1223.4	1216.1	1155.0	1140.1	1156.8
47.5°	1166.1	1166.1	1156.8	1151.2	1156.8	1166.1	1166.1	1156.8	1092.0	1077.2	1086.4
50°	1105.0	1103.1	1090.2	1088.3	1090.2	1103.1	1105.0	1099.4	1030.9	1018.0	1018.0
52.5°	1034.7	1034.7	1036.5	1040.2	1036.5	1034.7	1034.7	1036.5	975.4	962.5	958.8
55°	973.6	975.4	988.4	992.1	988.4	975.4	973.6	973.6	918.0	905.0	897.7
57.5°	910.6	910.6	919.9	919.9	919.9	910.6	910.6	906.9	853.3	842.2	838.5
60°	838.5	842.2	849.6	847.7	849.6	842.2	838.5	834.7	788.5	781.1	768.1
62.5°	762.5	766.3	768.1	764.4	768.1	766.3	762.5	751.5	723.7	718.2	701.5
65°	682.9	686.7	688.5	684.8	688.5	686.7	682.9	677.4	657.1	647.8	633.0
67.5°	601.5	599.7	597.9	605.2	597.9	599.7	601.5	594.1	581.1	573.8	553.4
70°	518.3	518.3	516.4	520.1	516.4	518.3	518.3	512.7	505.3	499.8	481.2
72.5°	429.4	427.6	435.0	429.4	435.0	427.6	429.4	427.6	423.8	418.3	399.8
75°	342.4	346.1	342.4	348.0	342.4	346.1	342.4	344.3	342.4	338.7	325.8
77.5°	261.0	264.7	261.0	261.0	261.0	264.7	261.0	262.8	262.8	262.8	251.7
80°	185.1	183.3	183.3	181.4	183.3	183.3	185.1	185.1	186.9	183.3	179.5
82.5°	118.4	116.6	116.6	120.3	116.6	116.6	118.4	120.3	116.6	116.6	116.6
85°	64.8	66.6	63.0	63.0	63.0	66.6	64.8	61.1	64.8	64.8	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.7
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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CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-W2A-W-6

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°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1932.4	1941.6	1947.1	1954.5	1973.1
5°	1858.3	1893.5	1904.5	1932.4	1965.6
7.5°	1695.4	1802.7	1832.4	1899.0	1950.8
10°	1538.1	1645.4	1697.3	1854.6	1932.4
12.5°	1458.5	1521.4	1556.6	1776.8	1906.4
15°	1408.6	1452.9	1478.9	1673.2	1876.8
17.5°	1369.6	1401.1	1419.6	1571.4	1836.1
20°	1345.6	1360.4	1377.1	1497.4	1789.8
22.5°	1328.9	1319.6	1332.6	1445.6	1726.9
25°	1317.9	1282.7	1297.5	1404.8	1652.8
27.5°	1327.1	1249.3	1254.9	1367.8	1575.1
30°	1328.9	1208.6	1210.5	1328.9	1488.1
32.5°	1316.0	1166.1	1167.9	1280.8	1390.0
35°	1284.5	1116.0	1114.3	1225.3	1256.8
37.5°	1241.9	1062.4	1062.4	1164.2	1110.5
40°	1190.1	1008.7	1014.3	1084.7	981.0
42.5°	1127.2	951.4	958.8	979.1	884.7
45°	1058.7	895.8	901.4	827.3	810.7
47.5°	982.8	838.5	840.3	686.7	786.6
50°	892.2	779.2	771.9	588.6	784.7
52.5°	812.6	714.4	692.2	533.0	712.5
55°	734.8	646.0	597.9	490.4	660.8
57.5°	666.3	557.1	510.8	440.5	649.7
60°	603.4	470.1	435.0	386.9	596.0
62.5°	551.5	405.4	398.0	349.8	540.4
65°	496.0	360.9	359.0	318.3	459.1
67.5°	442.3	331.3	329.4	288.7	349.8
70°	385.0	299.8	296.2	257.3	259.1
72.5°	325.8	264.7	261.0	231.4	214.7
75°	266.6	224.0	222.1	201.7	174.0
77.5°	209.1	177.6	181.4	162.9	127.7
80°	149.9	129.5	133.3	116.6	96.2
82.5°	99.9	85.2	88.8	74.1	64.8
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.2
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: P934907

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