

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: P935303

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935303
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-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

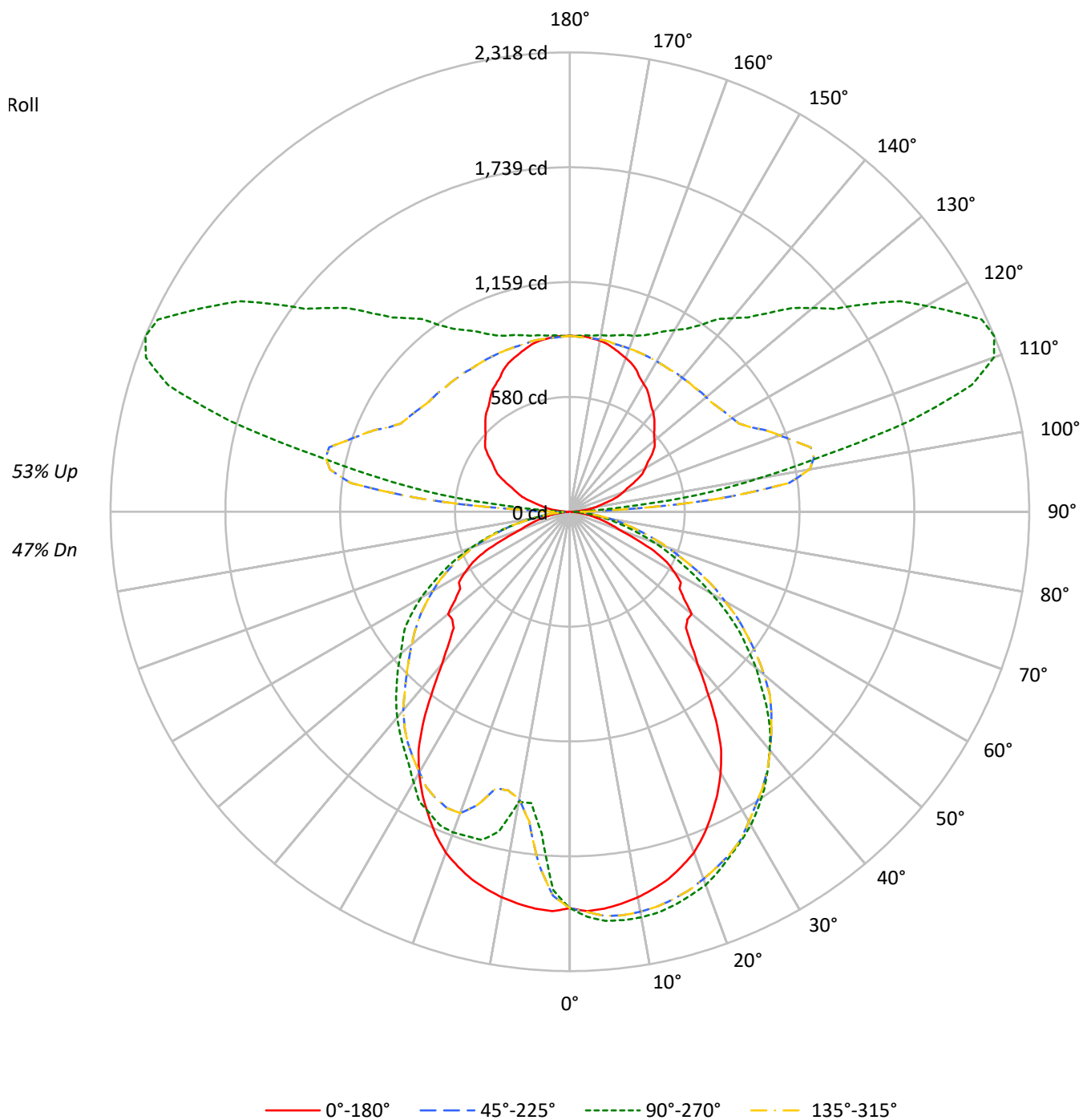
Lumens per Lamp: N/A
Luminaire Lumens: 10945.3 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935303

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

Luminous Intensity Polar Plot



TEST NUMBER: P935303

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

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

TEST NUMBER: P935303

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	1.6
10°-20°	512.7	4.7
20°-30°	792.5	7.2
30°-40°	946.1	8.6
40°-50°	951.6	8.7
50°-60°	828.0	7.6
60°-70°	587.1	5.4
70°-80°	310.6	2.8
80°-90°	80.8	0.7
90°-100°	432.8	4.0
100°-110°	1137.7	10.4
110°-120°	1179.7	10.8
120°-130°	946.3	8.6
130°-140°	742.5	6.8
140°-150°	569.9	5.2
150°-160°	410.4	3.7
160°-170°	251.1	2.3
170°-180°	84.8	0.8
0°-30°	1485.8	13.6
0°-40°	2431.9	22.2
0°-60°	4211.6	38.5
0°-90°	5190.0	47.4
90°-120°	2750.2	25.1
90°-150°	5008.9	45.8
90°-180°	5755.0	52.6
0°-180°	10945.3	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°	6	23	6	23	6	6
95°	57	262	57	262	57	64
105°	205	1782	205	1782	205	217
115°	364	2294	364	2294	364	360
125°	506	1827	506	1827	506	450
135°	604	1418	604	1418	604	467
145°	700	1150	700	1150	700	439
155°	791	990	791	990	791	364
165°	854	922	854	922	854	241
175°	888	894	888	894	888	84
180°	888	888	888	888	888	

TEST NUMBER: P935303

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

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°	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2	22.6	22.6
92.5°	23.9	64.4	104.9	115.0	161.7	223.9	255.0	223.5	160.4	113.2	108.7
95°	57.2	131.3	205.5	224.0	397.9	629.5	745.4	665.2	504.6	384.3	370.6
97.5°	98.9	164.4	229.8	246.1	535.9	922.2	1115.4	1064.7	963.3	887.2	861.2
100°	131.1	190.4	249.7	264.5	586.1	1014.8	1229.2	1232.9	1240.4	1245.9	1215.0
102.5°	158.5	213.9	269.2	283.1	609.2	1044.0	1261.4	1326.0	1455.2	1552.2	1525.7
105°	204.9	251.8	298.7	310.5	626.3	1047.3	1257.8	1402.7	1692.4	1909.6	1895.4
107.5°	252.6	296.3	340.1	351.0	629.4	1000.6	1186.3	1388.4	1792.4	2095.6	2099.0
110°	284.8	324.2	363.8	373.6	624.7	959.4	1126.7	1352.6	1804.4	2143.2	2158.0

TEST NUMBER: P935303

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	316.4	354.0	391.6	401.0	624.9	923.3	1072.5	1303.7	1766.1	2112.8	2135.6
115°	364.0	398.7	433.4	442.1	630.6	881.8	1007.5	1230.2	1675.7	2009.8	2041.4
117.5°	411.1	442.6	474.2	482.0	642.2	856.0	962.8	1163.9	1565.8	1867.3	1902.4
120°	438.5	468.2	497.8	505.3	651.9	847.3	945.0	1128.6	1495.9	1771.4	1805.4
122.5°	465.4	495.3	525.2	532.7	665.5	842.7	931.3	1096.7	1427.4	1675.5	1709.1
125°	506.4	533.7	561.1	567.8	684.1	839.0	916.4	1056.9	1337.9	1548.6	1579.6
127.5°	539.9	567.4	595.0	601.8	702.5	836.8	903.9	1024.5	1265.8	1446.7	1472.8
130°	557.7	587.4	617.0	624.5	716.1	838.1	899.1	1006.5	1221.3	1382.4	1406.4
132.5°	576.2	605.9	635.5	642.9	726.9	839.0	894.9	991.1	1183.3	1327.5	1349.1
135°	603.6	630.6	657.6	664.4	738.9	838.1	887.8	968.3	1129.3	1250.1	1268.7
137.5°	631.5	658.3	685.1	691.8	756.7	843.4	886.6	954.7	1090.8	1192.9	1208.1
140°	654.8	679.5	704.1	710.2	767.6	844.1	882.4	941.2	1058.8	1147.0	1161.2
142.5°	672.7	695.5	718.3	724.0	776.8	847.2	882.4	934.1	1037.3	1114.8	1127.0
145°	700.1	720.0	739.8	744.8	788.7	847.3	876.5	918.7	1003.2	1066.5	1075.8
147.5°	727.5	746.8	766.1	771.0	806.1	853.0	876.5	909.7	976.2	1026.1	1033.7
150°	745.4	762.9	780.3	784.7	815.3	856.1	876.5	904.6	960.6	1002.8	1009.0
152.5°	763.9	777.2	790.4	793.7	821.3	858.1	876.5	900.5	948.4	984.3	989.0
155°	791.3	801.1	810.8	813.3	834.4	862.5	876.5	895.6	933.7	962.3	965.4
157.5°	811.6	821.1	830.6	833.0	847.5	866.9	876.5	891.3	921.0	943.3	945.4
160°	825.2	832.7	840.1	841.9	853.5	868.9	876.5	889.2	914.6	933.7	934.9
162.5°	839.0	844.5	850.0	851.5	859.8	871.0	876.5	887.2	908.7	924.7	925.9
165°	853.9	858.8	863.9	865.1	869.0	874.0	876.5	884.1	899.5	911.1	912.3
167.5°	867.5	869.9	872.3	872.9	876.0	880.3	882.4	887.5	897.5	905.1	905.6
170°	876.5	878.9	881.3	881.8	882.0	882.3	882.4	887.5	897.5	905.1	905.1
172.5°	881.3	881.8	882.3	882.4	882.4	882.4	882.4	886.4	894.4	900.3	899.8
175°	887.8	887.8	887.8	887.8	886.0	883.6	882.4	884.9	890.0	893.8	893.8
177.5°	887.8	887.8	887.8	887.8	886.4	884.6	883.7	885.7	889.6	892.5	892.0
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935303

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

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°	22.6	22.6	22.6	22.6	22.6	30.2	40.2	45.3	39.0	26.3	16.7
92.5°	90.6	72.7	90.6	108.7	113.2	160.4	223.5	255.0	223.9	161.7	115.0
95°	316.1	261.6	316.1	370.6	384.3	504.6	665.2	745.4	629.5	397.9	224.0
97.5°	757.4	653.6	757.4	861.2	887.2	963.3	1064.7	1115.4	922.2	535.9	246.1
100°	1091.3	967.6	1091.3	1215.0	1245.9	1240.4	1232.9	1229.2	1014.8	586.1	264.5
102.5°	1419.7	1313.8	1419.7	1525.7	1552.2	1455.2	1326.0	1261.4	1044.0	609.2	283.1
105°	1838.5	1781.6	1838.5	1895.4	1909.6	1692.4	1402.7	1257.8	1047.3	626.3	310.5
107.5°	2112.8	2126.6	2112.8	2099.0	2095.6	1792.4	1388.4	1186.3	1000.6	629.4	351.0
110°	2217.4	2276.7	2217.4	2158.0	2143.2	1804.4	1352.6	1126.7	959.4	624.7	373.6

TEST NUMBER: P935303

CATALOG NUMBER: SQ4-FA-100U-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°	2226.7	2317.8	2226.7	2135.6	2112.8	1766.1	1303.7	1072.5	923.3	624.9	401.0
115°	2167.7	2294.0	2167.7	2041.4	2009.8	1675.7	1230.2	1007.5	881.8	630.6	442.1
117.5°	2042.5	2182.6	2042.5	1902.4	1867.3	1565.8	1163.9	962.8	856.0	642.2	482.0
120°	1941.6	2077.7	1941.6	1805.4	1771.4	1495.9	1128.6	945.0	847.3	651.9	505.3
122.5°	1843.3	1977.6	1843.3	1709.1	1675.5	1427.4	1096.7	931.3	842.7	665.5	532.7
125°	1703.1	1826.8	1703.1	1579.6	1548.6	1337.9	1056.9	916.4	839.0	684.1	567.8
127.5°	1577.2	1681.5	1577.2	1472.8	1446.7	1265.8	1024.5	903.9	836.8	702.5	601.8
130°	1502.9	1599.2	1502.9	1406.4	1382.4	1221.3	1006.5	899.1	838.1	716.1	624.5
132.5°	1435.5	1521.8	1435.5	1349.1	1327.5	1183.3	991.1	894.9	839.0	726.9	642.9
135°	1343.1	1417.5	1343.1	1268.7	1250.1	1129.3	968.3	887.8	838.1	738.9	664.4
137.5°	1269.0	1329.9	1269.0	1208.1	1192.9	1090.8	954.7	886.6	843.4	756.7	691.8
140°	1218.2	1275.1	1218.2	1161.2	1147.0	1058.8	941.2	882.4	844.1	767.6	710.2
142.5°	1176.1	1225.1	1176.1	1127.0	1114.8	1037.3	934.1	882.4	847.2	776.8	724.0
145°	1113.0	1150.0	1113.0	1075.8	1066.5	1003.2	918.7	876.5	847.3	788.7	744.8
147.5°	1064.4	1095.2	1064.4	1033.7	1026.1	976.2	909.7	876.5	853.0	806.1	771.0
150°	1033.9	1058.8	1033.9	1009.0	1002.8	960.6	904.6	876.5	856.1	815.3	784.7
152.5°	1007.8	1026.6	1007.8	989.0	984.3	948.4	900.5	876.5	858.1	821.3	793.7
155°	977.8	990.2	977.8	965.4	962.3	933.7	895.6	876.5	862.5	834.4	813.3
157.5°	954.1	962.8	954.1	945.4	943.3	921.0	891.3	876.5	866.9	847.5	833.0
160°	940.0	945.0	940.0	934.9	933.7	914.6	889.2	876.5	868.9	853.5	841.9
162.5°	930.6	935.4	930.6	925.9	924.7	908.7	887.2	876.5	871.0	859.8	851.5
165°	917.4	922.3	917.4	912.3	911.1	899.5	884.1	876.5	874.0	869.0	865.1
167.5°	907.7	909.8	907.7	905.6	905.1	897.5	887.5	882.4	880.3	876.0	872.9
170°	905.1	905.1	905.1	905.1	905.1	897.5	887.5	882.4	882.3	882.0	881.8
172.5°	898.0	896.2	898.0	899.8	900.3	894.4	886.4	882.4	882.4	882.4	882.4
175°	893.8	893.8	893.8	893.8	893.8	890.0	884.9	882.4	883.6	886.0	887.8
177.5°	889.9	887.8	889.9	892.0	892.5	889.6	885.7	883.7	884.6	886.4	887.8
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935303

CATALOG NUMBER: SQ4-FA-100U-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°	15.5	10.7	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2
92.5°	104.9	64.4	23.9	64.4	104.9	115.0	161.7	223.9	255.0	223.5	160.4
95°	205.5	131.3	57.2	131.3	205.5	224.0	397.9	629.5	745.4	665.2	504.6
97.5°	229.8	164.4	98.9	164.4	229.8	246.1	535.9	922.2	1115.4	1064.7	963.3
100°	249.7	190.4	131.1	190.4	249.7	264.5	586.1	1014.8	1229.2	1232.9	1240.4
102.5°	269.2	213.9	158.5	213.9	269.2	283.1	609.2	1044.0	1261.4	1326.0	1455.2
105°	298.7	251.8	204.9	251.8	298.7	310.5	626.3	1047.3	1257.8	1402.7	1692.4
107.5°	340.1	296.3	252.6	296.3	340.1	351.0	629.4	1000.6	1186.3	1388.4	1792.4
110°	363.8	324.2	284.8	324.2	363.8	373.6	624.7	959.4	1126.7	1352.6	1804.4

TEST NUMBER: P935303

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	391.6	354.0	316.4	354.0	391.6	401.0	624.9	923.3	1072.5	1303.7	1766.1
115°	433.4	398.7	364.0	398.7	433.4	442.1	630.6	881.8	1007.5	1230.2	1675.7
117.5°	474.2	442.6	411.1	442.6	474.2	482.0	642.2	856.0	962.8	1163.9	1565.8
120°	497.8	468.2	438.5	468.2	497.8	505.3	651.9	847.3	945.0	1128.6	1495.9
122.5°	525.2	495.3	465.4	495.3	525.2	532.7	665.5	842.7	931.3	1096.7	1427.4
125°	561.1	533.7	506.4	533.7	561.1	567.8	684.1	839.0	916.4	1056.9	1337.9
127.5°	595.0	567.4	539.9	567.4	595.0	601.8	702.5	836.8	903.9	1024.5	1265.8
130°	617.0	587.4	557.7	587.4	617.0	624.5	716.1	838.1	899.1	1006.5	1221.3
132.5°	635.5	605.9	576.2	605.9	635.5	642.9	726.9	839.0	894.9	991.1	1183.3
135°	657.6	630.6	603.6	630.6	657.6	664.4	738.9	838.1	887.8	968.3	1129.3
137.5°	685.1	658.3	631.5	658.3	685.1	691.8	756.7	843.4	886.6	954.7	1090.8
140°	704.1	679.5	654.8	679.5	704.1	710.2	767.6	844.1	882.4	941.2	1058.8
142.5°	718.3	695.5	672.7	695.5	718.3	724.0	776.8	847.2	882.4	934.1	1037.3
145°	739.8	720.0	700.1	720.0	739.8	744.8	788.7	847.3	876.5	918.7	1003.2
147.5°	766.1	746.8	727.5	746.8	766.1	771.0	806.1	853.0	876.5	909.7	976.2
150°	780.3	762.9	745.4	762.9	780.3	784.7	815.3	856.1	876.5	904.6	960.6
152.5°	790.4	777.2	763.9	777.2	790.4	793.7	821.3	858.1	876.5	900.5	948.4
155°	810.8	801.1	791.3	801.1	810.8	813.3	834.4	862.5	876.5	895.6	933.7
157.5°	830.6	821.1	811.6	821.1	830.6	833.0	847.5	866.9	876.5	891.3	921.0
160°	840.1	832.7	825.2	832.7	840.1	841.9	853.5	868.9	876.5	889.2	914.6
162.5°	850.0	844.5	839.0	844.5	850.0	851.5	859.8	871.0	876.5	887.2	908.7
165°	863.9	858.8	853.9	858.8	863.9	865.1	869.0	874.0	876.5	884.1	899.5
167.5°	872.3	869.9	867.5	869.9	872.3	872.9	876.0	880.3	882.4	887.5	897.5
170°	881.3	878.9	876.5	878.9	881.3	881.8	882.0	882.3	882.4	887.5	897.5
172.5°	882.3	881.8	881.3	881.8	882.3	882.4	882.4	882.4	882.4	886.4	894.4
175°	887.8	887.8	887.8	887.8	887.8	887.8	886.0	883.6	882.4	884.9	890.0
177.5°	887.8	887.8	887.8	887.8	887.8	887.8	886.4	884.6	883.7	885.7	889.6
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935303

CATALOG NUMBER: SQ4-FA-100U-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°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	30.2	40.2	45.3	39.0
92.5°	113.2	108.7	90.6	72.7	90.6	108.7	113.2	160.4	223.5	255.0	223.9
95°	384.3	370.6	316.1	261.6	316.1	370.6	384.3	504.6	665.2	745.4	629.5
97.5°	887.2	861.2	757.4	653.6	757.4	861.2	887.2	963.3	1064.7	1115.4	922.2
100°	1245.9	1215.0	1091.3	967.6	1091.3	1215.0	1245.9	1240.4	1232.9	1229.2	1014.8
102.5°	1552.2	1525.7	1419.7	1313.8	1419.7	1525.7	1552.2	1455.2	1326.0	1261.4	1044.0
105°	1909.6	1895.4	1838.5	1781.6	1838.5	1895.4	1909.6	1692.4	1402.7	1257.8	1047.3
107.5°	2095.6	2099.0	2112.8	2126.6	2112.8	2099.0	2095.6	1792.4	1388.4	1186.3	1000.6
110°	2143.2	2158.0	2217.4	2276.7	2217.4	2158.0	2143.2	1804.4	1352.6	1126.7	959.4

TEST NUMBER: P935303

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2112.8	2135.6	2226.7	2317.8	2226.7	2135.6	2112.8	1766.1	1303.7	1072.5	923.3
115°	2009.8	2041.4	2167.7	2294.0	2167.7	2041.4	2009.8	1675.7	1230.2	1007.5	881.8
117.5°	1867.3	1902.4	2042.5	2182.6	2042.5	1902.4	1867.3	1565.8	1163.9	962.8	856.0
120°	1771.4	1805.4	1941.6	2077.7	1941.6	1805.4	1771.4	1495.9	1128.6	945.0	847.3
122.5°	1675.5	1709.1	1843.3	1977.6	1843.3	1709.1	1675.5	1427.4	1096.7	931.3	842.7
125°	1548.6	1579.6	1703.1	1826.8	1703.1	1579.6	1548.6	1337.9	1056.9	916.4	839.0
127.5°	1446.7	1472.8	1577.2	1681.5	1577.2	1472.8	1446.7	1265.8	1024.5	903.9	836.8
130°	1382.4	1406.4	1502.9	1599.2	1502.9	1406.4	1382.4	1221.3	1006.5	899.1	838.1
132.5°	1327.5	1349.1	1435.5	1521.8	1435.5	1349.1	1327.5	1183.3	991.1	894.9	839.0
135°	1250.1	1268.7	1343.1	1417.5	1343.1	1268.7	1250.1	1129.3	968.3	887.8	838.1
137.5°	1192.9	1208.1	1269.0	1329.9	1269.0	1208.1	1192.9	1090.8	954.7	886.6	843.4
140°	1147.0	1161.2	1218.2	1275.1	1218.2	1161.2	1147.0	1058.8	941.2	882.4	844.1
142.5°	1114.8	1127.0	1176.1	1225.1	1176.1	1127.0	1114.8	1037.3	934.1	882.4	847.2
145°	1066.5	1075.8	1113.0	1150.0	1113.0	1075.8	1066.5	1003.2	918.7	876.5	847.3
147.5°	1026.1	1033.7	1064.4	1095.2	1064.4	1033.7	1026.1	976.2	909.7	876.5	853.0
150°	1002.8	1009.0	1033.9	1058.8	1033.9	1009.0	1002.8	960.6	904.6	876.5	856.1
152.5°	984.3	989.0	1007.8	1026.6	1007.8	989.0	984.3	948.4	900.5	876.5	858.1
155°	962.3	965.4	977.8	990.2	977.8	965.4	962.3	933.7	895.6	876.5	862.5
157.5°	943.3	945.4	954.1	962.8	954.1	945.4	943.3	921.0	891.3	876.5	866.9
160°	933.7	934.9	940.0	945.0	940.0	934.9	933.7	914.6	889.2	876.5	868.9
162.5°	924.7	925.9	930.6	935.4	930.6	925.9	924.7	908.7	887.2	876.5	871.0
165°	911.1	912.3	917.4	922.3	917.4	912.3	911.1	899.5	884.1	876.5	874.0
167.5°	905.1	905.6	907.7	909.8	907.7	905.6	905.1	897.5	887.5	882.4	880.3
170°	905.1	905.1	905.1	905.1	905.1	905.1	905.1	897.5	887.5	882.4	882.3
172.5°	900.3	899.8	898.0	896.2	898.0	899.8	900.3	894.4	886.4	882.4	882.4
175°	893.8	893.8	893.8	893.8	893.8	893.8	893.8	890.0	884.9	882.4	883.6
177.5°	892.5	892.0	889.9	887.8	889.9	892.0	892.5	889.6	885.7	883.7	884.6
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935303

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

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°	26.3	16.7	15.5	10.7	5.9
92.5°	161.7	115.0	104.9	64.4	23.9
95°	397.9	224.0	205.5	131.3	57.2
97.5°	535.9	246.1	229.8	164.4	98.9
100°	586.1	264.5	249.7	190.4	131.1
102.5°	609.2	283.1	269.2	213.9	158.5
105°	626.3	310.5	298.7	251.8	204.9
107.5°	629.4	351.0	340.1	296.3	252.6
110°	624.7	373.6	363.8	324.2	284.8



TEST NUMBER: P935303

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	624.9	401.0	391.6	354.0	316.4
115°	630.6	442.1	433.4	398.7	364.0
117.5°	642.2	482.0	474.2	442.6	411.1
120°	651.9	505.3	497.8	468.2	438.5
122.5°	665.5	532.7	525.2	495.3	465.4
125°	684.1	567.8	561.1	533.7	506.4
127.5°	702.5	601.8	595.0	567.4	539.9
130°	716.1	624.5	617.0	587.4	557.7
132.5°	726.9	642.9	635.5	605.9	576.2
135°	738.9	664.4	657.6	630.6	603.6
137.5°	756.7	691.8	685.1	658.3	631.5
140°	767.6	710.2	704.1	679.5	654.8
142.5°	776.8	724.0	718.3	695.5	672.7
145°	788.7	744.8	739.8	720.0	700.1
147.5°	806.1	771.0	766.1	746.8	727.5
150°	815.3	784.7	780.3	762.9	745.4
152.5°	821.3	793.7	790.4	777.2	763.9
155°	834.4	813.3	810.8	801.1	791.3
157.5°	847.5	833.0	830.6	821.1	811.6
160°	853.5	841.9	840.1	832.7	825.2
162.5°	859.8	851.5	850.0	844.5	839.0
165°	869.0	865.1	863.9	858.8	853.9
167.5°	876.0	872.9	872.3	869.9	867.5
170°	882.0	881.8	881.3	878.9	876.5
172.5°	882.4	882.4	882.3	881.8	881.3
175°	886.0	887.8	887.8	887.8	887.8
177.5°	886.4	887.8	887.8	887.8	887.8
180°	887.8	887.8	887.8	887.8	887.8

(END OF REPORT)