

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: P935199

Luminaire Tested: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935199
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

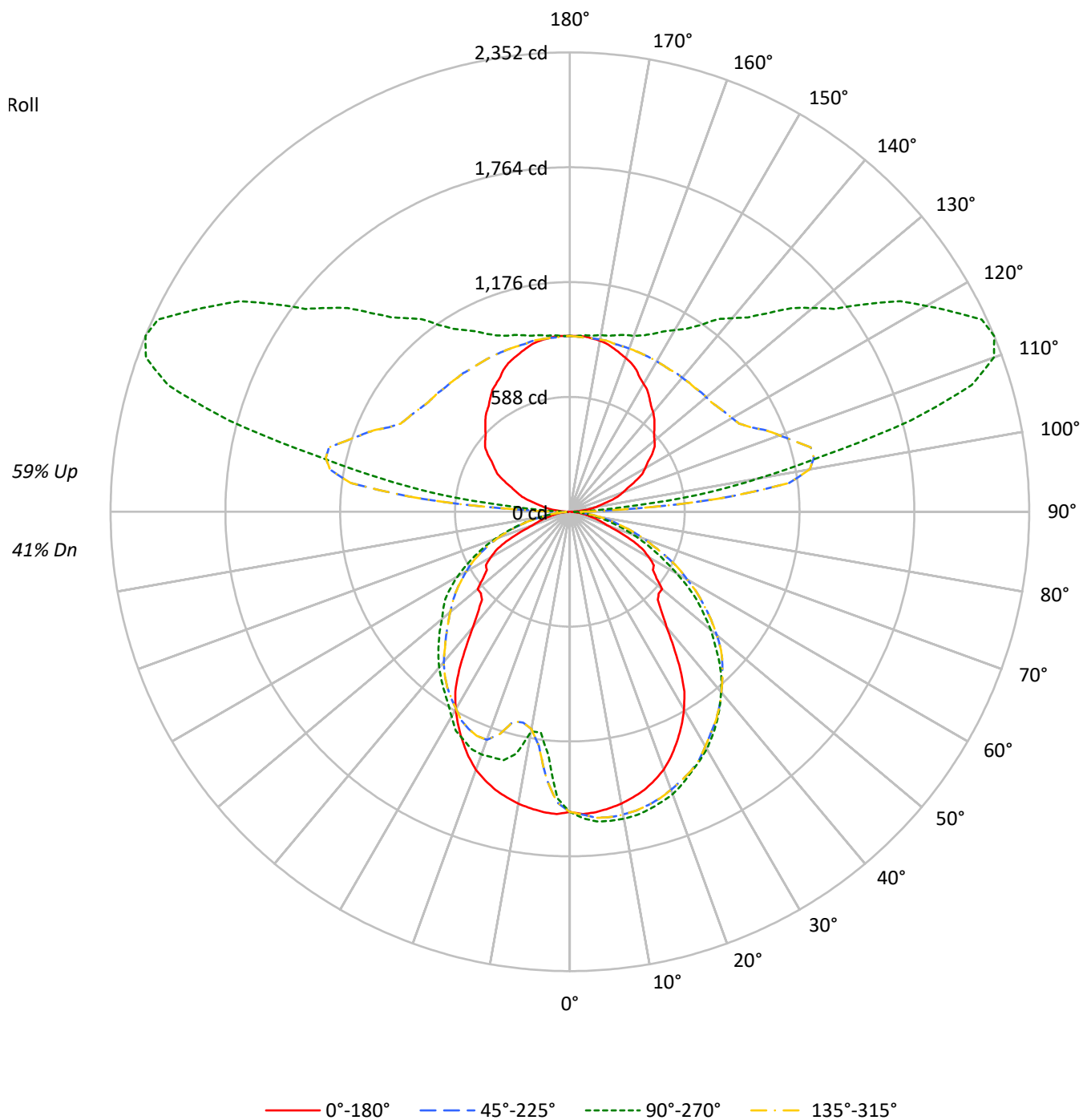
Lumens per Lamp: N/A
Luminaire Lumens: 9826.5 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 73.8
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

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41	41	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34	34	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29	29	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24	24	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21	21	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18	18	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16	16	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14	14	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13	13	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11	11	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10	10	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9571	9594	9571	7544
10°	9504	9450	9504	6756
15°	9397	9245	9397	7721
20°	9197	9003	9197	7737
25°	8791	8649	8791	7572
30°	8268	8356	8268	7213
35°	7367	7984	7367	6817
40°	6136	7547	6136	6518
45°	5478	7035	5478	6174
50°	5816	6425	5816	5830
55°	5466	5767	5466	5630
60°	5628	4898	5628	5156
65°	5095	4048	5095	4526
70°	3520	3227	3520	3793
75°	3074	2385	3074	2856
80°	2461	1577	2461	1716
85°	1389	835	1389	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8402 cd/sqm

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.4
10°-20°	393.8	4.0
20°-30°	608.7	6.2
30°-40°	726.6	7.4
40°-50°	730.9	7.4
50°-60°	636.0	6.5
60°-70°	450.9	4.6
70°-80°	238.6	2.4
80°-90°	62.8	0.6
90°-100°	439.1	4.5
100°-110°	1154.4	11.7
110°-120°	1197.0	12.2
120°-130°	960.2	9.8
130°-140°	753.4	7.7
140°-150°	578.2	5.9
150°-160°	416.4	4.2
160°-170°	254.8	2.6
170°-180°	86.1	0.9
0°-30°	1141.1	11.6
0°-40°	1867.7	19.0
0°-60°	3234.6	32.9
0°-90°	3986.9	40.6
90°-120°	2790.5	28.4
90°-150°	5082.3	51.7
90°-180°	5840.0	59.4
0°-180°	9826.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1536	1536	1536	1536	1536	
5°	1544	1592	1544	1252	1544	146
15°	1474	1577	1474	1317	1474	415
25°	1298	1471	1298	1288	1298	596
35°	987	1312	987	1121	987	611
45°	637	1081	637	949	637	510
55°	519	798	519	779	519	477
65°	360	481	360	538	360	345
75°	137	228	137	273	137	144
85°	23	58	23	49	23	31
90°	6	23	6	23	6	6
95°	58	265	58	265	58	64
105°	208	1808	208	1808	208	220
115°	369	2328	369	2328	369	365
125°	514	1854	514	1854	514	456
135°	612	1438	612	1438	612	474
145°	710	1167	710	1167	710	445
155°	803	1005	803	1005	803	369
165°	866	936	866	936	866	244
175°	901	907	901	907	901	86
180°	901	901	901	901	901	

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1549.4	1549.4	1558.2	1561.1	1561.1	1556.7	1552.3	1556.7	1569.8	1574.1	1572.7
5°	1543.6	1555.2	1571.2	1574.1	1577.0	1575.6	1572.7	1575.6	1590.1	1593.0	1594.5
7.5°	1532.0	1553.8	1574.1	1578.5	1582.9	1578.5	1577.0	1580.0	1594.5	1597.4	1597.4
10°	1517.5	1548.0	1571.2	1574.1	1578.5	1574.1	1574.1	1580.0	1594.5	1597.4	1598.8
12.5°	1497.1	1539.3	1561.1	1564.0	1569.8	1568.3	1566.9	1572.7	1587.2	1590.1	1590.1
15°	1473.8	1523.3	1543.6	1546.5	1556.7	1553.8	1553.8	1559.6	1575.6	1580.0	1578.5
17.5°	1441.9	1502.9	1526.2	1530.5	1537.8	1536.3	1537.8	1543.6	1558.2	1561.1	1562.5
20°	1405.5	1475.3	1502.9	1507.3	1514.5	1514.5	1514.5	1521.8	1536.3	1542.2	1542.2
22.5°	1356.1	1446.2	1475.3	1478.2	1486.9	1486.9	1489.8	1500.0	1513.1	1514.5	1514.5
25°	1298.0	1414.3	1439.0	1447.7	1456.4	1460.8	1465.1	1470.9	1475.3	1473.8	1475.3
27.5°	1236.9	1373.6	1405.5	1411.3	1423.0	1427.3	1433.2	1434.6	1436.1	1440.4	1437.5
30°	1168.6	1316.9	1364.8	1370.7	1389.5	1392.5	1386.6	1389.5	1396.8	1399.7	1402.6
32.5°	1091.6	1232.6	1322.7	1335.8	1353.2	1344.5	1343.0	1347.4	1359.0	1359.0	1361.9
35°	986.9	1167.2	1283.4	1295.1	1308.1	1298.0	1303.8	1305.2	1312.5	1316.9	1315.4
37.5°	872.1	1110.5	1242.7	1251.5	1261.6	1248.6	1257.3	1261.6	1267.5	1264.5	1264.5
40°	770.4	1021.8	1194.8	1200.6	1209.3	1199.1	1207.9	1210.8	1213.7	1210.8	1209.3
42.5°	694.8	924.4	1143.9	1151.2	1145.4	1152.6	1155.5	1161.3	1157.0	1151.2	1151.2
45°	636.6	898.3	1088.7	1097.4	1088.7	1100.3	1104.7	1104.7	1091.6	1088.7	1087.2
47.5°	617.7	845.9	1033.4	1033.4	1029.1	1043.6	1050.9	1040.7	1027.6	1023.3	1023.3
50°	616.3	787.8	957.9	952.0	972.4	989.8	982.6	972.4	962.2	946.2	946.2
52.5°	559.6	716.6	860.5	882.3	914.3	924.4	912.8	902.6	885.2	877.9	872.1
55°	518.9	642.4	771.8	815.4	848.8	861.9	840.1	829.9	803.8	799.4	796.5
57.5°	510.2	534.9	690.4	745.6	786.3	784.9	771.8	752.9	731.1	726.8	725.3
60°	468.0	386.6	603.2	668.6	710.8	706.4	694.8	677.3	657.0	654.1	651.2
62.5°	424.4	280.5	504.4	578.5	638.1	636.6	626.5	600.3	585.8	578.5	572.7
65°	360.5	235.5	359.0	481.1	566.9	569.8	548.0	529.1	513.1	504.4	502.9
67.5°	274.7	191.9	242.7	401.2	498.6	495.6	468.0	459.3	439.0	434.6	425.9
70°	203.5	127.9	168.6	325.6	431.7	424.4	402.6	392.4	373.5	363.4	357.6
72.5°	168.6	103.2	123.5	252.9	363.4	354.7	335.8	324.1	308.1	299.4	293.6
75°	136.6	109.0	94.5	187.5	295.1	289.2	271.8	260.2	247.1	235.5	236.9
77.5°	100.3	101.7	75.6	138.1	234.0	225.3	215.1	200.6	194.8	183.1	183.1
80°	75.6	79.9	56.7	94.5	168.6	168.6	159.9	149.7	139.5	133.7	133.7
82.5°	50.9	50.9	42.2	59.6	114.8	110.5	104.7	101.7	95.9	93.0	93.0
85°	23.3	29.1	26.2	36.3	62.5	65.4	65.4	62.5	61.0	58.1	59.6
87.5°	7.3	13.1	16.0	20.3	32.0	33.4	34.9	34.9	34.9	36.3	36.3
90°	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6	23.0	23.0
92.5°	24.2	65.3	106.4	116.7	164.1	227.1	258.7	226.7	162.8	114.8	110.3
95°	58.0	133.2	208.5	227.3	403.7	638.8	756.3	674.9	512.0	389.9	376.1
97.5°	100.4	166.8	233.1	249.7	543.7	935.8	1131.8	1080.3	977.4	900.2	873.8
100°	133.0	193.2	253.4	268.4	594.7	1029.7	1247.2	1251.0	1258.5	1264.2	1232.8
102.5°	160.9	217.1	273.2	287.2	618.1	1059.3	1279.9	1345.5	1476.6	1574.9	1548.1
105°	207.9	255.5	303.1	315.0	635.5	1062.7	1276.3	1423.3	1717.2	1937.6	1923.2
107.5°	256.3	300.7	345.1	356.1	638.7	1015.3	1203.7	1408.7	1818.7	2126.3	2129.8
110°	289.0	329.0	369.1	379.1	633.8	973.5	1143.2	1372.4	1830.8	2174.6	2189.6

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0	2143.8	2166.9
115°	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3	2039.3	2071.3
117.5°	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8	1894.7	1930.2
120°	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8	1797.4	1831.9
122.5°	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4	1700.0	1734.1
125°	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5	1571.3	1602.7
127.5°	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3	1467.9	1494.4
130°	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2	1402.6	1427.0
132.5°	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7	1347.0	1368.9
135°	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8	1268.4	1287.3
137.5°	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8	1210.4	1225.8
140°	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3	1163.8	1178.2
142.5°	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5	1131.1	1143.5
145°	710.4	730.5	750.7	755.7	800.3	859.7	889.3	932.2	1017.9	1082.2	1091.6
147.5°	738.2	757.8	777.3	782.3	817.9	865.5	889.3	923.1	990.5	1041.1	1048.8
150°	756.3	774.0	791.8	796.2	827.2	868.6	889.3	917.8	974.7	1017.4	1023.7
152.5°	775.1	788.6	801.9	805.3	833.3	870.6	889.3	913.7	962.3	998.7	1003.5
155°	802.9	812.8	822.7	825.2	846.6	875.1	889.3	908.7	947.4	976.4	979.6
157.5°	823.5	833.1	842.7	845.2	859.9	879.6	889.3	904.4	934.5	957.1	959.3
160°	837.3	844.9	852.4	854.3	866.0	881.6	889.3	902.2	928.0	947.4	948.7
162.5°	851.3	856.9	862.5	864.0	872.4	883.7	889.3	900.2	922.0	938.3	939.4
165°	866.4	871.4	876.6	877.8	881.7	886.8	889.3	897.1	912.7	924.4	925.7
167.5°	880.2	882.7	885.1	885.7	888.9	893.2	895.4	900.5	910.7	918.3	918.9
170°	889.3	891.8	894.2	894.8	895.0	895.3	895.4	900.5	910.7	918.3	918.3
172.5°	894.2	894.7	895.3	895.4	895.4	895.4	895.4	899.4	907.5	913.5	913.0
175°	900.8	900.8	900.8	900.8	898.9	896.5	895.4	897.9	903.0	906.9	906.9
177.5°	900.8	900.8	900.8	900.8	899.4	897.6	896.6	898.7	902.6	905.6	905.0
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1575.6	1571.2	1575.6	1572.7	1574.1	1569.8	1556.7	1552.3	1556.7	1561.1	1561.1
5°	1594.5	1591.6	1594.5	1594.5	1593.0	1590.1	1575.6	1572.7	1575.6	1577.0	1574.1
7.5°	1600.3	1595.9	1600.3	1597.4	1597.4	1594.5	1580.0	1577.0	1578.5	1582.9	1578.5
10°	1600.3	1595.9	1600.3	1598.8	1597.4	1594.5	1580.0	1574.1	1574.1	1578.5	1574.1
12.5°	1593.0	1590.1	1593.0	1590.1	1590.1	1587.2	1572.7	1566.9	1568.3	1569.8	1564.0
15°	1581.4	1577.0	1581.4	1578.5	1580.0	1575.6	1559.6	1553.8	1553.8	1556.7	1546.5
17.5°	1564.0	1558.2	1564.0	1562.5	1561.1	1558.2	1543.6	1537.8	1536.3	1537.8	1530.5
20°	1543.6	1539.3	1543.6	1542.2	1542.2	1536.3	1521.8	1514.5	1514.5	1514.5	1507.3
22.5°	1511.6	1507.3	1511.6	1514.5	1514.5	1513.1	1500.0	1489.8	1486.9	1486.9	1478.2
25°	1475.3	1470.9	1475.3	1475.3	1473.8	1475.3	1470.9	1465.1	1460.8	1456.4	1447.7
27.5°	1440.4	1437.5	1440.4	1437.5	1440.4	1436.1	1434.6	1433.2	1427.3	1423.0	1411.3
30°	1405.5	1402.6	1405.5	1402.6	1399.7	1396.8	1389.5	1386.6	1392.5	1389.5	1370.7
32.5°	1361.9	1359.0	1361.9	1361.9	1359.0	1359.0	1347.4	1343.0	1344.5	1353.2	1335.8
35°	1316.9	1312.5	1316.9	1315.4	1316.9	1312.5	1305.2	1303.8	1298.0	1308.1	1295.1
37.5°	1264.5	1260.2	1264.5	1264.5	1264.5	1267.5	1261.6	1257.3	1248.6	1261.6	1251.5
40°	1210.8	1205.0	1210.8	1209.3	1210.8	1213.7	1210.8	1207.9	1199.1	1209.3	1200.6
42.5°	1149.7	1148.3	1149.7	1151.2	1151.2	1157.0	1161.3	1155.5	1152.6	1145.4	1151.2
45°	1084.3	1081.4	1084.3	1087.2	1088.7	1091.6	1104.7	1104.7	1100.3	1088.7	1097.4
47.5°	1014.5	1007.3	1014.5	1023.3	1023.3	1027.6	1040.7	1050.9	1043.6	1029.1	1033.4
50°	940.4	941.9	940.4	946.2	946.2	962.2	972.4	982.6	989.8	972.4	952.0
52.5°	867.7	866.3	867.7	872.1	877.9	885.2	902.6	912.8	924.4	914.3	882.3
55°	795.1	798.0	795.1	796.5	799.4	803.8	829.9	840.1	861.9	848.8	815.4
57.5°	722.4	718.0	722.4	725.3	726.8	731.1	752.9	771.8	784.9	786.3	745.6
60°	638.1	632.3	638.1	651.2	654.1	657.0	677.3	694.8	706.4	710.8	668.6
62.5°	564.0	553.8	564.0	572.7	578.5	585.8	600.3	626.5	636.6	638.1	578.5
65°	485.5	481.1	485.5	502.9	504.4	513.1	529.1	548.0	569.8	566.9	481.1
67.5°	414.2	414.2	414.2	425.9	434.6	439.0	459.3	468.0	495.6	498.6	401.2
70°	348.8	347.4	348.8	357.6	363.4	373.5	392.4	402.6	424.4	431.7	325.6
72.5°	286.3	284.9	286.3	293.6	299.4	308.1	324.1	335.8	354.7	363.4	252.9
75°	231.1	228.2	231.1	236.9	235.5	247.1	260.2	271.8	289.2	295.1	187.5
77.5°	177.3	177.3	177.3	183.1	183.1	194.8	200.6	215.1	225.3	234.0	138.1
80°	132.3	130.8	132.3	133.7	133.7	139.5	149.7	159.9	168.6	168.6	94.5
82.5°	93.0	90.1	93.0	93.0	93.0	95.9	101.7	104.7	110.5	114.8	59.6
85°	58.1	58.1	58.1	59.6	58.1	61.0	62.5	65.4	65.4	62.5	36.3
87.5°	37.8	36.3	37.8	36.3	36.3	34.9	34.9	34.9	33.4	32.0	20.3
90°	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5	26.6	17.0
92.5°	92.0	73.7	92.0	110.3	114.8	162.8	226.7	258.7	227.1	164.1	116.7
95°	320.7	265.4	320.7	376.1	389.9	512.0	674.9	756.3	638.8	403.7	227.3
97.5°	768.5	663.2	768.5	873.8	900.2	977.4	1080.3	1131.8	935.8	543.7	249.7
100°	1107.3	981.8	1107.3	1232.8	1264.2	1258.5	1251.0	1247.2	1029.7	594.7	268.4
102.5°	1440.5	1333.1	1440.5	1548.1	1574.9	1476.6	1345.5	1279.9	1059.3	618.1	287.2
105°	1865.4	1807.7	1865.4	1923.2	1937.6	1717.2	1423.3	1276.3	1062.7	635.5	315.0
107.5°	2143.8	2157.8	2143.8	2129.8	2126.3	1818.7	1408.7	1203.7	1015.3	638.7	356.1
110°	2249.9	2310.1	2249.9	2189.6	2174.6	1830.8	1372.4	1143.2	973.5	633.8	379.1



TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8	634.0	406.9
115°	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8	639.8	448.6
117.5°	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5	651.7	489.1
120°	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7	661.4	512.7
122.5°	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0	675.3	540.5
125°	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3	694.1	576.2
127.5°	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0	712.8	610.7
130°	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4	726.6	633.6
132.5°	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3	737.6	652.3
135°	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4	749.7	674.1
137.5°	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7	767.8	701.9
140°	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5	778.9	720.6
142.5°	1193.3	1243.0	1193.3	1143.5	1131.1	1052.5	947.8	895.4	859.6	788.2	734.6
145°	1129.3	1166.9	1129.3	1091.6	1082.2	1017.9	932.2	889.3	859.7	800.3	755.7
147.5°	1080.0	1111.2	1080.0	1048.8	1041.1	990.5	923.1	889.3	865.5	817.9	782.3
150°	1049.0	1074.3	1049.0	1023.7	1017.4	974.7	917.8	889.3	868.6	827.2	796.2
152.5°	1022.6	1041.7	1022.6	1003.5	998.7	962.3	913.7	889.3	870.6	833.3	805.3
155°	992.2	1004.8	992.2	979.6	976.4	947.4	908.7	889.3	875.1	846.6	825.2
157.5°	968.1	976.9	968.1	959.3	957.1	934.5	904.4	889.3	879.6	859.9	845.2
160°	953.8	958.8	953.8	948.7	947.4	928.0	902.2	889.3	881.6	866.0	854.3
162.5°	944.3	949.1	944.3	939.4	938.3	922.0	900.2	889.3	883.7	872.4	864.0
165°	930.8	935.9	930.8	925.7	924.4	912.7	897.1	889.3	886.8	881.7	877.8
167.5°	921.0	923.2	921.0	918.9	918.3	910.7	900.5	895.4	893.2	888.9	885.7
170°	918.3	918.3	918.3	918.3	918.3	910.7	900.5	895.4	895.3	895.0	894.8
172.5°	911.2	909.3	911.2	913.0	913.5	907.5	899.4	895.4	895.4	895.4	895.4
175°	906.9	906.9	906.9	906.9	906.9	903.0	897.9	895.4	896.5	898.9	900.8
177.5°	902.9	900.8	902.9	905.0	905.6	902.6	898.7	896.6	897.6	899.4	900.8
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1558.2	1549.4	1549.4	1534.9	1529.1	1524.7	1517.5	1495.7	1489.8	1484.0	1492.7
5°	1571.2	1555.2	1543.6	1517.5	1495.7	1486.9	1459.3	1407.0	1372.1	1345.9	1331.4
7.5°	1574.1	1553.8	1532.0	1491.3	1439.0	1415.7	1331.4	1235.5	1209.3	1186.1	1171.5
10°	1571.2	1548.0	1517.5	1456.4	1332.9	1292.2	1207.9	1145.4	1129.4	1125.0	1129.4
12.5°	1561.1	1539.3	1497.1	1395.4	1222.4	1194.8	1145.4	1109.0	1106.1	1113.4	1152.6
15°	1543.6	1523.3	1473.8	1314.0	1161.3	1141.0	1106.1	1093.0	1109.0	1159.9	1277.6
17.5°	1526.2	1502.9	1441.9	1234.0	1114.8	1100.3	1075.6	1101.8	1191.9	1260.2	1299.4
20°	1502.9	1475.3	1405.5	1175.9	1081.4	1068.3	1056.7	1174.4	1242.7	1267.5	1289.3
22.5°	1475.3	1446.2	1356.1	1135.2	1046.5	1036.3	1043.6	1215.1	1242.7	1260.2	1279.1
25°	1439.0	1414.3	1298.0	1103.2	1018.9	1007.3	1034.9	1210.8	1226.8	1231.1	1268.9
27.5°	1405.5	1373.6	1236.9	1074.1	985.5	981.1	1042.2	1191.9	1203.5	1207.9	1248.6
30°	1364.8	1316.9	1168.6	1043.6	950.6	949.1	1043.6	1168.6	1165.7	1177.3	1218.0
32.5°	1322.7	1232.6	1091.6	1005.8	917.2	915.7	1033.4	1133.7	1130.8	1146.8	1177.3
35°	1283.4	1167.2	986.9	962.2	875.0	876.5	1008.7	1093.0	1094.5	1109.0	1127.9
37.5°	1242.7	1110.5	872.1	914.3	834.3	834.3	975.3	1055.2	1052.3	1056.7	1082.9
40°	1194.8	1021.8	770.4	851.8	796.5	792.2	934.6	1014.5	1004.4	1002.9	1039.3
42.5°	1143.9	924.4	694.8	768.9	752.9	747.1	885.2	965.1	946.2	950.6	997.1
45°	1088.7	898.3	636.6	649.7	707.9	703.5	831.4	908.4	895.4	907.0	954.9
47.5°	1033.4	845.9	617.7	539.2	659.9	658.4	771.8	853.2	845.9	857.6	908.4
50°	957.9	787.8	616.3	462.2	606.1	611.9	700.6	799.4	799.4	809.6	863.4
52.5°	860.5	716.6	559.6	418.6	543.6	561.1	638.1	752.9	755.8	766.0	814.0
55°	771.8	642.4	518.9	385.2	469.5	507.3	577.0	704.9	710.8	720.9	764.5
57.5°	690.4	534.9	510.2	345.9	401.2	437.5	523.3	658.4	661.3	670.1	712.2
60°	603.2	386.6	468.0	303.8	341.6	369.2	473.8	603.2	613.4	619.2	655.5
62.5°	504.4	280.5	424.4	274.7	312.5	318.3	433.1	550.9	564.0	568.3	590.1
65°	359.0	235.5	360.5	250.0	282.0	283.4	389.5	497.1	508.7	516.0	532.0
67.5°	242.7	191.9	274.7	226.7	258.7	260.2	347.4	434.6	450.6	456.4	466.6
70°	168.6	127.9	203.5	202.0	232.6	235.5	302.3	377.9	392.4	396.8	402.6
72.5°	123.5	103.2	168.6	181.7	204.9	207.9	255.8	314.0	328.5	332.9	335.8
75°	94.5	109.0	136.6	158.4	174.4	175.9	209.3	255.8	266.0	268.9	270.4
77.5°	75.6	101.7	100.3	127.9	142.4	139.5	164.2	197.7	206.4	206.4	206.4
80°	56.7	79.9	75.6	91.6	104.7	101.7	117.7	141.0	143.9	146.8	145.4
82.5°	42.2	50.9	50.9	58.1	69.8	66.9	78.5	91.6	91.6	91.6	94.5
85°	26.2	29.1	23.3	30.5	39.2	37.8	43.6	49.4	50.9	50.9	48.0
87.5°	16.0	13.1	7.3	11.6	17.4	17.4	20.3	21.8	20.3	20.3	20.3
90°	15.7	10.9	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6
92.5°	106.4	65.3	24.2	65.3	106.4	116.7	164.1	227.1	258.7	226.7	162.8
95°	208.5	133.2	58.0	133.2	208.5	227.3	403.7	638.8	756.3	674.9	512.0
97.5°	233.1	166.8	100.4	166.8	233.1	249.7	543.7	935.8	1131.8	1080.3	977.4
100°	253.4	193.2	133.0	193.2	253.4	268.4	594.7	1029.7	1247.2	1251.0	1258.5
102.5°	273.2	217.1	160.9	217.1	273.2	287.2	618.1	1059.3	1279.9	1345.5	1476.6
105°	303.1	255.5	207.9	255.5	303.1	315.0	635.5	1062.7	1276.3	1423.3	1717.2
107.5°	345.1	300.7	256.3	300.7	345.1	356.1	638.7	1015.3	1203.7	1408.7	1818.7
110°	369.1	329.0	289.0	329.0	369.1	379.1	633.8	973.5	1143.2	1372.4	1830.8

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	397.4	359.2	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0
115°	439.7	404.6	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3
117.5°	481.1	449.1	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8
120°	505.1	475.1	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8
122.5°	532.9	502.5	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4
125°	569.3	541.6	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5
127.5°	603.7	575.7	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3
130°	626.1	596.0	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2
132.5°	644.8	614.7	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7
135°	667.3	639.8	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8
137.5°	695.2	667.9	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8
140°	714.4	689.4	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3
142.5°	728.8	705.7	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5
145°	750.7	730.5	710.4	730.5	750.7	755.7	800.3	859.7	889.3	932.2	1017.9
147.5°	777.3	757.8	738.2	757.8	777.3	782.3	817.9	865.5	889.3	923.1	990.5
150°	791.8	774.0	756.3	774.0	791.8	796.2	827.2	868.6	889.3	917.8	974.7
152.5°	801.9	788.6	775.1	788.6	801.9	805.3	833.3	870.6	889.3	913.7	962.3
155°	822.7	812.8	802.9	812.8	822.7	825.2	846.6	875.1	889.3	908.7	947.4
157.5°	842.7	833.1	823.5	833.1	842.7	845.2	859.9	879.6	889.3	904.4	934.5
160°	852.4	844.9	837.3	844.9	852.4	854.3	866.0	881.6	889.3	902.2	928.0
162.5°	862.5	856.9	851.3	856.9	862.5	864.0	872.4	883.7	889.3	900.2	922.0
165°	876.6	871.4	866.4	871.4	876.6	877.8	881.7	886.8	889.3	897.1	912.7
167.5°	885.1	882.7	880.2	882.7	885.1	885.7	888.9	893.2	895.4	900.5	910.7
170°	894.2	891.8	889.3	891.8	894.2	894.8	895.0	895.3	895.4	900.5	910.7
172.5°	895.3	894.7	894.2	894.7	895.3	895.4	895.4	895.4	895.4	899.4	907.5
175°	900.8	900.8	900.8	900.8	900.8	900.8	898.9	896.5	895.4	897.9	903.0
177.5°	900.8	900.8	900.8	900.8	900.8	900.8	899.4	897.6	896.6	898.7	902.6
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1482.6	1478.2	1484.0	1468.0	1484.0	1478.2	1482.6	1492.7	1484.0	1489.8	1495.7
5°	1300.9	1293.6	1270.4	1251.5	1270.4	1293.6	1300.9	1331.4	1345.9	1372.1	1407.0
7.5°	1162.8	1157.0	1151.2	1139.5	1151.2	1157.0	1162.8	1171.5	1186.1	1209.3	1235.5
10°	1132.3	1133.7	1142.5	1141.0	1142.5	1133.7	1132.3	1129.4	1125.0	1129.4	1145.4
12.5°	1210.8	1223.8	1271.8	1268.9	1271.8	1223.8	1210.8	1152.6	1113.4	1106.1	1109.0
15°	1300.9	1305.2	1315.4	1316.9	1315.4	1305.2	1300.9	1277.6	1159.9	1109.0	1093.0
17.5°	1309.6	1311.1	1318.3	1318.3	1318.3	1311.1	1309.6	1299.4	1260.2	1191.9	1101.8
20°	1302.3	1305.2	1319.8	1322.7	1319.8	1305.2	1302.3	1289.3	1267.5	1242.7	1174.4
22.5°	1299.4	1305.2	1316.9	1315.4	1316.9	1305.2	1299.4	1279.1	1260.2	1242.7	1215.1
25°	1284.9	1284.9	1286.3	1287.8	1286.3	1284.9	1284.9	1268.9	1231.1	1226.8	1210.8
27.5°	1254.4	1257.3	1266.0	1264.5	1266.0	1257.3	1254.4	1248.6	1207.9	1203.5	1191.9
30°	1226.8	1223.8	1216.6	1210.8	1216.6	1223.8	1226.8	1218.0	1177.3	1165.7	1168.6
32.5°	1180.2	1173.0	1165.7	1161.3	1165.7	1173.0	1180.2	1177.3	1146.8	1130.8	1133.7
35°	1125.0	1126.5	1125.0	1120.6	1125.0	1126.5	1125.0	1127.9	1109.0	1094.5	1093.0
37.5°	1085.8	1088.7	1087.2	1081.4	1087.2	1088.7	1085.8	1082.9	1056.7	1052.3	1055.2
40°	1045.1	1046.5	1045.1	1040.7	1045.1	1046.5	1045.1	1039.3	1002.9	1004.4	1014.5
42.5°	1005.8	1004.4	1000.0	997.1	1000.0	1004.4	1005.8	997.1	950.6	946.2	965.1
45°	960.8	962.2	953.5	949.1	953.5	962.2	960.8	954.9	907.0	895.4	908.4
47.5°	915.7	915.7	908.4	904.1	908.4	915.7	915.7	908.4	857.6	845.9	853.2
50°	867.7	866.3	856.1	854.7	856.1	866.3	867.7	863.4	809.6	799.4	799.4
52.5°	812.5	812.5	814.0	816.9	814.0	812.5	812.5	814.0	766.0	755.8	752.9
55°	764.5	766.0	776.2	779.1	776.2	766.0	764.5	764.5	720.9	710.8	704.9
57.5°	715.1	715.1	722.4	722.4	722.4	715.1	715.1	712.2	670.1	661.3	658.4
60°	658.4	661.3	667.2	665.7	667.2	661.3	658.4	655.5	619.2	613.4	603.2
62.5°	598.8	601.7	603.2	600.3	603.2	601.7	598.8	590.1	568.3	564.0	550.9
65°	536.3	539.2	540.7	537.8	540.7	539.2	536.3	532.0	516.0	508.7	497.1
67.5°	472.4	470.9	469.5	475.3	469.5	470.9	472.4	466.6	456.4	450.6	434.6
70°	407.0	407.0	405.5	408.4	405.5	407.0	407.0	402.6	396.8	392.4	377.9
72.5°	337.2	335.8	341.6	337.2	341.6	335.8	337.2	335.8	332.9	328.5	314.0
75°	268.9	271.8	268.9	273.3	268.9	271.8	268.9	270.4	268.9	266.0	255.8
77.5°	204.9	207.9	204.9	204.9	204.9	207.9	204.9	206.4	206.4	206.4	197.7
80°	145.4	143.9	143.9	142.4	143.9	143.9	145.4	145.4	146.8	143.9	141.0
82.5°	93.0	91.6	91.6	94.5	91.6	91.6	93.0	94.5	91.6	91.6	91.6
85°	50.9	52.3	49.4	49.4	49.4	52.3	50.9	48.0	50.9	50.9	49.4
87.5°	18.9	17.4	17.4	17.4	17.4	17.4	18.9	20.3	20.3	20.3	21.8
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5
92.5°	114.8	110.3	92.0	73.7	92.0	110.3	114.8	162.8	226.7	258.7	227.1
95°	389.9	376.1	320.7	265.4	320.7	376.1	389.9	512.0	674.9	756.3	638.8
97.5°	900.2	873.8	768.5	663.2	768.5	873.8	900.2	977.4	1080.3	1131.8	935.8
100°	1264.2	1232.8	1107.3	981.8	1107.3	1232.8	1264.2	1258.5	1251.0	1247.2	1029.7
102.5°	1574.9	1548.1	1440.5	1333.1	1440.5	1548.1	1574.9	1476.6	1345.5	1279.9	1059.3
105°	1937.6	1923.2	1865.4	1807.7	1865.4	1923.2	1937.6	1717.2	1423.3	1276.3	1062.7
107.5°	2126.3	2129.8	2143.8	2157.8	2143.8	2129.8	2126.3	1818.7	1408.7	1203.7	1015.3
110°	2174.6	2189.6	2249.9	2310.1	2249.9	2189.6	2174.6	1830.8	1372.4	1143.2	973.5

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2143.8	2166.9	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8
115°	2039.3	2071.3	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8
117.5°	1894.7	1930.2	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5
120°	1797.4	1831.9	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7
122.5°	1700.0	1734.1	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0
125°	1571.3	1602.7	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3
127.5°	1467.9	1494.4	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0
130°	1402.6	1427.0	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4
132.5°	1347.0	1368.9	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3
135°	1268.4	1287.3	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4
137.5°	1210.4	1225.8	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7
140°	1163.8	1178.2	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5
142.5°	1131.1	1143.5	1193.3	1243.0	1193.3	1143.5	1131.1	1052.5	947.8	895.4	859.6
145°	1082.2	1091.6	1129.3	1166.9	1129.3	1091.6	1082.2	1017.9	932.2	889.3	859.7
147.5°	1041.1	1048.8	1080.0	1111.2	1080.0	1048.8	1041.1	990.5	923.1	889.3	865.5
150°	1017.4	1023.7	1049.0	1074.3	1049.0	1023.7	1017.4	974.7	917.8	889.3	868.6
152.5°	998.7	1003.5	1022.6	1041.7	1022.6	1003.5	998.7	962.3	913.7	889.3	870.6
155°	976.4	979.6	992.2	1004.8	992.2	979.6	976.4	947.4	908.7	889.3	875.1
157.5°	957.1	959.3	968.1	976.9	968.1	959.3	957.1	934.5	904.4	889.3	879.6
160°	947.4	948.7	953.8	958.8	953.8	948.7	947.4	928.0	902.2	889.3	881.6
162.5°	938.3	939.4	944.3	949.1	944.3	939.4	938.3	922.0	900.2	889.3	883.7
165°	924.4	925.7	930.8	935.9	930.8	925.7	924.4	912.7	897.1	889.3	886.8
167.5°	918.3	918.9	921.0	923.2	921.0	918.9	918.3	910.7	900.5	895.4	893.2
170°	918.3	918.3	918.3	918.3	918.3	918.3	918.3	910.7	900.5	895.4	895.3
172.5°	913.5	913.0	911.2	909.3	911.2	913.0	913.5	907.5	899.4	895.4	895.4
175°	906.9	906.9	906.9	906.9	906.9	906.9	906.9	903.0	897.9	895.4	896.5
177.5°	905.6	905.0	902.9	900.8	902.9	905.0	905.6	902.6	898.7	896.6	897.6
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1517.5	1524.7	1529.1	1534.9	1549.4
5°	1459.3	1486.9	1495.7	1517.5	1543.6
7.5°	1331.4	1415.7	1439.0	1491.3	1532.0
10°	1207.9	1292.2	1332.9	1456.4	1517.5
12.5°	1145.4	1194.8	1222.4	1395.4	1497.1
15°	1106.1	1141.0	1161.3	1314.0	1473.8
17.5°	1075.6	1100.3	1114.8	1234.0	1441.9
20°	1056.7	1068.3	1081.4	1175.9	1405.5
22.5°	1043.6	1036.3	1046.5	1135.2	1356.1
25°	1034.9	1007.3	1018.9	1103.2	1298.0
27.5°	1042.2	981.1	985.5	1074.1	1236.9
30°	1043.6	949.1	950.6	1043.6	1168.6
32.5°	1033.4	915.7	917.2	1005.8	1091.6
35°	1008.7	876.5	875.0	962.2	986.9
37.5°	975.3	834.3	834.3	914.3	872.1
40°	934.6	792.2	796.5	851.8	770.4
42.5°	885.2	747.1	752.9	768.9	694.8
45°	831.4	703.5	707.9	649.7	636.6
47.5°	771.8	658.4	659.9	539.2	617.7
50°	700.6	611.9	606.1	462.2	616.3
52.5°	638.1	561.1	543.6	418.6	559.6
55°	577.0	507.3	469.5	385.2	518.9
57.5°	523.3	437.5	401.2	345.9	510.2
60°	473.8	369.2	341.6	303.8	468.0
62.5°	433.1	318.3	312.5	274.7	424.4
65°	389.5	283.4	282.0	250.0	360.5
67.5°	347.4	260.2	258.7	226.7	274.7
70°	302.3	235.5	232.6	202.0	203.5
72.5°	255.8	207.9	204.9	181.7	168.6
75°	209.3	175.9	174.4	158.4	136.6
77.5°	164.2	139.5	142.4	127.9	100.3
80°	117.7	101.7	104.7	91.6	75.6
82.5°	78.5	66.9	69.8	58.1	50.9
85°	43.6	37.8	39.2	30.5	23.3
87.5°	20.3	17.4	17.4	11.6	7.3
90°	26.6	17.0	15.7	10.9	6.0
92.5°	164.1	116.7	106.4	65.3	24.2
95°	403.7	227.3	208.5	133.2	58.0
97.5°	543.7	249.7	233.1	166.8	100.4
100°	594.7	268.4	253.4	193.2	133.0
102.5°	618.1	287.2	273.2	217.1	160.9
105°	635.5	315.0	303.1	255.5	207.9
107.5°	638.7	356.1	345.1	300.7	256.3
110°	633.8	379.1	369.1	329.0	289.0

TEST NUMBER: P935199

CATALOG NUMBER: SQ4-FA-100U-075D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	634.0	406.9	397.4	359.2	321.0
115°	639.8	448.6	439.7	404.6	369.4
117.5°	651.7	489.1	481.1	449.1	417.2
120°	661.4	512.7	505.1	475.1	445.0
122.5°	675.3	540.5	532.9	502.5	472.2
125°	694.1	576.2	569.3	541.6	513.9
127.5°	712.8	610.7	603.7	575.7	547.8
130°	726.6	633.6	626.1	596.0	565.9
132.5°	737.6	652.3	644.8	614.7	584.6
135°	749.7	674.1	667.3	639.8	612.4
137.5°	767.8	701.9	695.2	667.9	640.8
140°	778.9	720.6	714.4	689.4	664.4
142.5°	788.2	734.6	728.8	705.7	682.6
145°	800.3	755.7	750.7	730.5	710.4
147.5°	817.9	782.3	777.3	757.8	738.2
150°	827.2	796.2	791.8	774.0	756.3
152.5°	833.3	805.3	801.9	788.6	775.1
155°	846.6	825.2	822.7	812.8	802.9
157.5°	859.9	845.2	842.7	833.1	823.5
160°	866.0	854.3	852.4	844.9	837.3
162.5°	872.4	864.0	862.5	856.9	851.3
165°	881.7	877.8	876.6	871.4	866.4
167.5°	888.9	885.7	885.1	882.7	880.2
170°	895.0	894.8	894.2	891.8	889.3
172.5°	895.4	895.4	895.3	894.7	894.2
175°	898.9	900.8	900.8	900.8	900.8
177.5°	899.4	900.8	900.8	900.8	900.8
180°	900.8	900.8	900.8	900.8	900.8

(END OF REPORT)