

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: P935207

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935207
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-B50-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

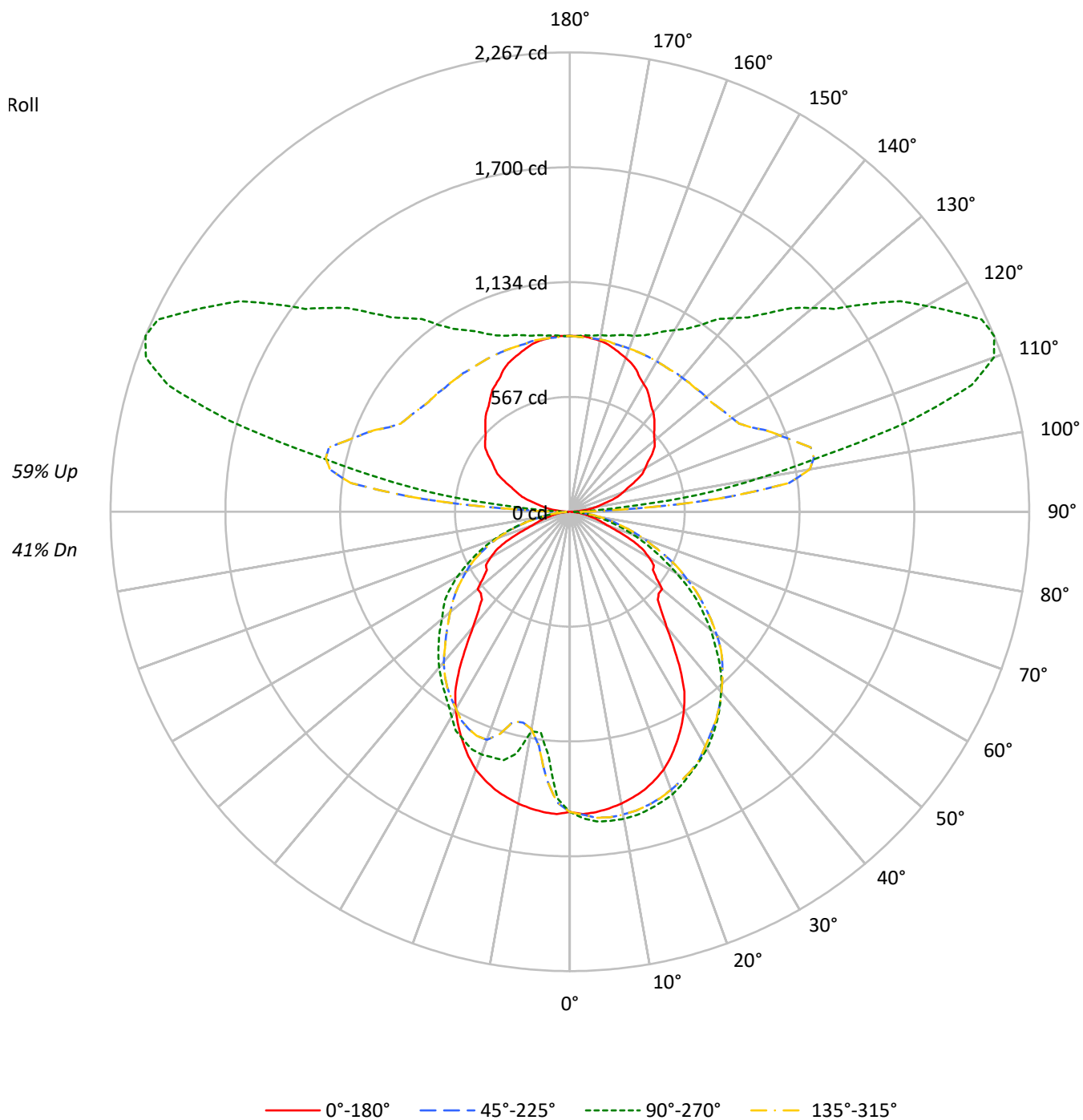
Lumens per Lamp: N/A
Luminaire Lumens: 9471.6 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9161	9161	9161	9161
5°	9226	9247	9226	7271
10°	9161	9109	9161	6513
15°	9058	8912	9058	7442
20°	8865	8678	8865	7457
25°	8474	8337	8474	7299
30°	7969	8054	7969	6952
35°	7101	7696	7101	6571
40°	5913	7274	5913	6283
45°	5280	6781	5280	5952
50°	5605	6192	5605	5619
55°	5269	5558	5269	5426
60°	5425	4720	5425	4971
65°	4910	3902	4910	4362
70°	3392	3110	3392	3657
75°	2963	2299	2963	2753
80°	2373	1520	2373	1655
85°	1335	804	1335	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8098 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.4
10°-20°	379.5	4.0
20°-30°	586.7	6.2
30°-40°	700.4	7.4
40°-50°	704.5	7.4
50°-60°	613.0	6.5
60°-70°	434.6	4.6
70°-80°	229.9	2.4
80°-90°	60.6	0.6
90°-100°	423.2	4.5
100°-110°	1112.7	11.7
110°-120°	1153.8	12.2
120°-130°	925.5	9.8
130°-140°	726.2	7.7
140°-150°	557.4	5.9
150°-160°	401.4	4.2
160°-170°	245.6	2.6
170°-180°	83.0	0.9
0°-30°	1099.9	11.6
0°-40°	1800.3	19.0
0°-60°	3117.8	32.9
0°-90°	3842.9	40.6
90°-120°	2689.7	28.4
90°-150°	4898.7	51.7
90°-180°	5629.0	59.4
0°-180°	9471.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1481	1481	1481	1481	1481	
5°	1488	1534	1488	1206	1488	141
15°	1421	1520	1421	1269	1421	400
25°	1251	1418	1251	1241	1251	574
35°	951	1265	951	1080	951	589
45°	614	1042	614	915	614	492
55°	500	769	500	751	500	460
65°	347	464	347	518	347	332
75°	132	220	132	263	132	138
85°	22	56	22	48	22	30
90°	6	22	6	22	6	6
95°	56	256	56	256	56	62
105°	200	1742	200	1742	200	212
115°	356	2244	356	2244	356	352
125°	495	1787	495	1787	495	440
135°	590	1386	590	1386	590	457
145°	685	1125	685	1125	685	429
155°	774	968	774	968	774	356
165°	835	902	835	902	835	236
175°	868	874	868	874	868	82
180°	868	868	868	868	868	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1493.5	1493.5	1501.9	1504.7	1504.7	1500.5	1496.3	1500.5	1513.1	1517.3	1515.9
5°	1487.9	1499.1	1514.5	1517.3	1520.1	1518.7	1515.9	1518.7	1532.7	1535.5	1536.9
7.5°	1476.7	1497.7	1517.3	1521.5	1525.7	1521.5	1520.1	1522.9	1536.9	1539.7	1539.7
10°	1462.6	1492.1	1514.5	1517.3	1521.5	1517.3	1517.3	1522.9	1536.9	1539.7	1541.1
12.5°	1443.0	1483.7	1504.7	1507.5	1513.1	1511.7	1510.3	1515.9	1529.9	1532.7	1532.7
15°	1420.6	1468.2	1487.9	1490.7	1500.5	1497.7	1497.7	1503.3	1518.7	1522.9	1521.5
17.5°	1389.8	1448.6	1471.1	1475.3	1482.3	1480.9	1482.3	1487.9	1501.9	1504.7	1506.1
20°	1354.8	1422.0	1448.6	1452.8	1459.8	1459.8	1459.8	1466.8	1480.9	1486.5	1486.5
22.5°	1307.1	1394.0	1422.0	1424.8	1433.2	1433.2	1436.0	1445.8	1458.4	1459.8	1459.8
25°	1251.1	1363.2	1387.0	1395.4	1403.8	1408.0	1412.2	1417.8	1422.0	1420.6	1422.0
27.5°	1192.3	1323.9	1354.8	1360.4	1371.6	1375.8	1381.4	1382.8	1384.2	1388.4	1385.6
30°	1126.4	1269.3	1315.5	1321.1	1339.4	1342.2	1336.6	1339.4	1346.4	1349.2	1352.0
32.5°	1052.2	1188.0	1274.9	1287.5	1304.3	1295.9	1294.5	1298.7	1309.9	1309.9	1312.7
35°	951.3	1125.0	1237.1	1248.3	1260.9	1251.1	1256.7	1258.1	1265.1	1269.3	1267.9
37.5°	840.6	1070.4	1197.9	1206.3	1216.1	1203.5	1211.9	1216.1	1221.7	1218.9	1218.9
40°	742.5	984.9	1151.6	1157.2	1165.6	1155.8	1164.2	1167.0	1169.8	1167.0	1165.6
42.5°	669.7	891.0	1102.6	1109.6	1104.0	1111.0	1113.8	1119.4	1115.2	1109.6	1109.6
45°	613.6	865.8	1049.3	1057.8	1049.3	1060.6	1064.8	1064.8	1052.2	1049.3	1047.9
47.5°	595.4	815.4	996.1	996.1	991.9	1005.9	1012.9	1003.1	990.5	986.3	986.3
50°	594.0	759.3	923.3	917.7	937.3	954.1	947.1	937.3	927.5	912.1	912.1
52.5°	539.4	690.7	829.4	850.4	881.2	891.0	879.8	870.0	853.2	846.2	840.6
55°	500.2	619.2	743.9	786.0	818.2	830.8	809.8	800.0	774.8	770.6	767.7
57.5°	491.8	515.6	665.5	718.7	757.9	756.5	743.9	725.7	704.7	700.5	699.1
60°	451.1	372.7	581.4	644.5	685.1	680.9	669.7	652.9	633.3	630.4	627.6
62.5°	409.1	270.4	486.1	557.6	615.0	613.6	603.8	578.6	564.6	557.6	552.0
65°	347.4	227.0	346.0	463.7	546.4	549.2	528.2	510.0	494.6	486.1	484.7
67.5°	264.8	184.9	234.0	386.7	480.5	477.7	451.1	442.7	423.1	418.9	410.5
70°	196.1	123.3	162.5	313.8	416.1	409.1	388.1	378.3	360.1	350.2	344.6
72.5°	162.5	99.5	119.1	243.8	350.2	341.8	323.6	312.4	297.0	288.6	283.0
75°	131.7	105.1	91.1	180.7	284.4	278.8	262.0	250.8	238.2	227.0	228.4
77.5°	96.7	98.1	72.9	133.1	225.6	217.2	207.3	193.3	187.7	176.5	176.5
80°	72.9	77.1	54.6	91.1	162.5	162.5	154.1	144.3	134.5	128.9	128.9
82.5°	49.0	49.0	40.6	57.4	110.7	106.5	100.9	98.1	92.5	89.7	89.7
85°	22.4	28.0	25.2	35.0	60.2	63.0	63.0	60.2	58.8	56.0	57.4
87.5°	7.0	12.6	15.4	19.6	30.8	32.2	33.6	33.6	33.6	35.0	35.0
90°	5.8	10.5	15.1	16.3	25.7	38.1	44.3	39.3	29.5	22.1	22.1
92.5°	23.4	63.0	102.6	112.5	158.1	218.9	249.4	218.6	156.9	110.7	106.3
95°	55.9	128.4	201.0	219.1	389.1	615.7	729.0	650.5	493.5	375.8	362.5
97.5°	96.8	160.7	224.7	240.7	524.1	902.0	1090.9	1041.3	942.1	867.7	842.3
100°	128.2	186.2	244.2	258.7	573.2	992.5	1202.2	1205.8	1213.1	1218.5	1188.2
102.5°	155.0	209.2	263.3	276.8	595.8	1021.0	1233.6	1296.9	1423.2	1518.0	1492.2
105°	200.4	246.3	292.2	303.6	612.5	1024.3	1230.2	1371.9	1655.1	1867.6	1853.7
107.5°	247.0	289.8	332.6	343.2	615.6	978.6	1160.2	1357.8	1753.0	2049.5	2052.8
110°	278.5	317.1	355.8	365.4	610.9	938.3	1101.9	1322.8	1764.7	2096.1	2110.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	309.4	346.2	383.0	392.2	611.1	903.0	1048.9	1275.0	1727.2	2066.4	2088.6
115°	356.0	389.9	423.8	432.3	616.7	862.5	985.4	1203.2	1638.9	1965.6	1996.5
117.5°	402.1	432.9	463.7	471.4	628.1	837.1	941.7	1138.3	1531.4	1826.3	1860.5
120°	428.9	457.9	486.9	494.2	637.5	828.6	924.2	1103.8	1463.0	1732.5	1765.7
122.5°	455.1	484.4	513.7	521.0	650.9	824.2	910.8	1072.6	1396.0	1638.6	1671.5
125°	495.3	522.0	548.7	555.4	669.0	820.5	896.3	1033.7	1308.4	1514.6	1544.8
127.5°	528.0	554.9	581.9	588.6	687.1	818.4	884.0	1002.0	1237.9	1414.9	1440.4
130°	545.5	574.5	603.5	610.7	700.3	819.7	879.4	984.3	1194.4	1352.0	1375.5
132.5°	563.5	592.5	621.5	628.8	711.0	820.5	875.3	969.3	1157.3	1298.4	1319.5
135°	590.3	616.7	643.2	649.8	722.6	819.7	868.2	947.0	1104.5	1222.6	1240.8
137.5°	617.7	643.8	670.1	676.6	740.1	824.8	867.1	933.7	1066.8	1166.7	1181.5
140°	640.4	664.5	688.6	694.6	750.7	825.6	863.0	920.6	1035.5	1121.7	1135.7
142.5°	657.9	680.2	702.5	708.1	759.7	828.6	863.0	913.5	1014.5	1090.3	1102.2
145°	684.7	704.1	723.6	728.4	771.4	828.6	857.2	898.5	981.2	1043.1	1052.2
147.5°	711.5	730.4	749.3	754.0	788.4	834.2	857.2	889.7	954.7	1003.5	1011.0
150°	729.0	746.1	763.2	767.5	797.4	837.2	857.2	884.7	939.5	980.7	986.8
152.5°	747.1	760.1	773.0	776.2	803.2	839.2	857.2	880.7	927.6	962.7	967.3
155°	773.9	783.4	793.0	795.4	816.0	843.5	857.2	875.9	913.2	941.1	944.2
157.5°	793.7	803.1	812.3	814.6	828.8	847.8	857.2	871.7	900.7	922.5	924.7
160°	807.1	814.4	821.6	823.4	834.7	849.8	857.2	869.6	894.5	913.2	914.4
162.5°	820.5	825.9	831.4	832.8	840.9	851.8	857.2	867.7	888.7	904.4	905.5
165°	835.1	839.9	844.9	846.1	849.8	854.8	857.2	864.7	879.7	891.0	892.3
167.5°	848.4	850.8	853.1	853.7	856.8	861.0	863.0	868.0	877.8	885.2	885.7
170°	857.2	859.6	861.9	862.5	862.6	862.9	863.0	868.0	877.8	885.2	885.2
172.5°	861.9	862.4	862.9	863.0	863.0	863.0	863.0	866.9	874.7	880.5	880.0
175°	868.2	868.2	868.2	868.2	866.5	864.1	863.0	865.4	870.4	874.1	874.1
177.5°	868.2	868.2	868.2	868.2	866.9	865.2	864.2	866.2	870.0	872.9	872.4
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1518.7	1514.5	1518.7	1515.9	1517.3	1513.1	1500.5	1496.3	1500.5	1504.7	1504.7
5°	1536.9	1534.1	1536.9	1536.9	1535.5	1532.7	1518.7	1515.9	1518.7	1520.1	1517.3
7.5°	1542.5	1538.3	1542.5	1539.7	1539.7	1536.9	1522.9	1520.1	1521.5	1525.7	1521.5
10°	1542.5	1538.3	1542.5	1541.1	1539.7	1536.9	1522.9	1517.3	1517.3	1521.5	1517.3
12.5°	1535.5	1532.7	1535.5	1532.7	1532.7	1529.9	1515.9	1510.3	1511.7	1513.1	1507.5
15°	1524.3	1520.1	1524.3	1521.5	1522.9	1518.7	1503.3	1497.7	1497.7	1500.5	1490.7
17.5°	1507.5	1501.9	1507.5	1506.1	1504.7	1501.9	1487.9	1482.3	1480.9	1482.3	1475.3
20°	1487.9	1483.7	1487.9	1486.5	1486.5	1480.9	1466.8	1459.8	1459.8	1459.8	1452.8
22.5°	1457.0	1452.8	1457.0	1459.8	1459.8	1458.4	1445.8	1436.0	1433.2	1433.2	1424.8
25°	1422.0	1417.8	1422.0	1422.0	1420.6	1422.0	1417.8	1412.2	1408.0	1403.8	1395.4
27.5°	1388.4	1385.6	1388.4	1385.6	1388.4	1384.2	1382.8	1381.4	1375.8	1371.6	1360.4
30°	1354.8	1352.0	1354.8	1352.0	1349.2	1346.4	1339.4	1336.6	1342.2	1339.4	1321.1
32.5°	1312.7	1309.9	1312.7	1312.7	1309.9	1309.9	1298.7	1294.5	1295.9	1304.3	1287.5
35°	1269.3	1265.1	1269.3	1267.9	1269.3	1265.1	1258.1	1256.7	1251.1	1260.9	1248.3
37.5°	1218.9	1214.7	1218.9	1218.9	1218.9	1221.7	1216.1	1211.9	1203.5	1216.1	1206.3
40°	1167.0	1161.4	1167.0	1165.6	1167.0	1169.8	1167.0	1164.2	1155.8	1165.6	1157.2
42.5°	1108.2	1106.8	1108.2	1109.6	1109.6	1115.2	1119.4	1113.8	1111.0	1104.0	1109.6
45°	1045.1	1042.3	1045.1	1047.9	1049.3	1052.2	1064.8	1064.8	1060.6	1049.3	1057.8
47.5°	977.9	970.9	977.9	986.3	986.3	990.5	1003.1	1012.9	1005.9	991.9	996.1
50°	906.4	907.8	906.4	912.1	912.1	927.5	937.3	947.1	954.1	937.3	917.7
52.5°	836.4	835.0	836.4	840.6	846.2	853.2	870.0	879.8	891.0	881.2	850.4
55°	766.3	769.1	766.3	767.7	770.6	774.8	800.0	809.8	830.8	818.2	786.0
57.5°	696.3	692.1	696.3	699.1	700.5	704.7	725.7	743.9	756.5	757.9	718.7
60°	615.0	609.4	615.0	627.6	630.4	633.3	652.9	669.7	680.9	685.1	644.5
62.5°	543.6	533.8	543.6	552.0	557.6	564.6	578.6	603.8	613.6	615.0	557.6
65°	467.9	463.7	467.9	484.7	486.1	494.6	510.0	528.2	549.2	546.4	463.7
67.5°	399.3	399.3	399.3	410.5	418.9	423.1	442.7	451.1	477.7	480.5	386.7
70°	336.2	334.8	336.2	344.6	350.2	360.1	378.3	388.1	409.1	416.1	313.8
72.5°	276.0	274.6	276.0	283.0	288.6	297.0	312.4	323.6	341.8	350.2	243.8
75°	222.8	220.0	222.8	228.4	227.0	238.2	250.8	262.0	278.8	284.4	180.7
77.5°	170.9	170.9	170.9	176.5	176.5	187.7	193.3	207.3	217.2	225.6	133.1
80°	127.5	126.1	127.5	128.9	128.9	134.5	144.3	154.1	162.5	162.5	91.1
82.5°	89.7	86.9	89.7	89.7	89.7	92.5	98.1	100.9	106.5	110.7	57.4
85°	56.0	56.0	56.0	57.4	56.0	58.8	60.2	63.0	63.0	60.2	35.0
87.5°	36.4	35.0	36.4	35.0	35.0	33.6	33.6	33.6	32.2	30.8	19.6
90°	22.1	22.1	22.1	22.1	22.1	29.5	39.3	44.3	38.1	25.7	16.3
92.5°	88.6	71.1	88.6	106.3	110.7	156.9	218.6	249.4	218.9	158.1	112.5
95°	309.2	255.8	309.2	362.5	375.8	493.5	650.5	729.0	615.7	389.1	219.1
97.5°	740.8	639.2	740.8	842.3	867.7	942.1	1041.3	1090.9	902.0	524.1	240.7
100°	1067.3	946.3	1067.3	1188.2	1218.5	1213.1	1205.8	1202.2	992.5	573.2	258.7
102.5°	1388.5	1284.9	1388.5	1492.2	1518.0	1423.2	1296.9	1233.6	1021.0	595.8	276.8
105°	1798.0	1742.4	1798.0	1853.7	1867.6	1655.1	1371.9	1230.2	1024.3	612.5	303.6
107.5°	2066.4	2079.8	2066.4	2052.8	2049.5	1753.0	1357.8	1160.2	978.6	615.6	343.2
110°	2168.7	2226.7	2168.7	2110.6	2096.1	1764.7	1322.8	1101.9	938.3	610.9	365.4

TEST NUMBER: P935207

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2177.7	2266.8	2177.7	2088.6	2066.4	1727.2	1275.0	1048.9	903.0	611.1	392.2
115°	2120.0	2243.6	2120.0	1996.5	1965.6	1638.9	1203.2	985.4	862.5	616.7	432.3
117.5°	1997.5	2134.6	1997.5	1860.5	1826.3	1531.4	1138.3	941.7	837.1	628.1	471.4
120°	1898.9	2032.0	1898.9	1765.7	1732.5	1463.0	1103.8	924.2	828.6	637.5	494.2
122.5°	1802.8	1934.1	1802.8	1671.5	1638.6	1396.0	1072.6	910.8	824.2	650.9	521.0
125°	1665.7	1786.6	1665.7	1544.8	1514.6	1308.4	1033.7	896.3	820.5	669.0	555.4
127.5°	1542.5	1644.5	1542.5	1440.4	1414.9	1237.9	1002.0	884.0	818.4	687.1	588.6
130°	1469.8	1564.1	1469.8	1375.5	1352.0	1194.4	984.3	879.4	819.7	700.3	610.7
132.5°	1403.9	1488.3	1403.9	1319.5	1298.4	1157.3	969.3	875.3	820.5	711.0	628.8
135°	1313.6	1386.3	1313.6	1240.8	1222.6	1104.5	947.0	868.2	819.7	722.6	649.8
137.5°	1241.1	1300.7	1241.1	1181.5	1166.7	1066.8	933.7	867.1	824.8	740.1	676.6
140°	1191.4	1247.1	1191.4	1135.7	1121.7	1035.5	920.6	863.0	825.6	750.7	694.6
142.5°	1150.2	1198.1	1150.2	1102.2	1090.3	1014.5	913.5	863.0	828.6	759.7	708.1
145°	1088.5	1124.7	1088.5	1052.2	1043.1	981.2	898.5	857.2	828.6	771.4	728.4
147.5°	1041.0	1071.1	1041.0	1011.0	1003.5	954.7	889.7	857.2	834.2	788.4	754.0
150°	1011.1	1035.5	1011.1	986.8	980.7	939.5	884.7	857.2	837.2	797.4	767.5
152.5°	985.7	1004.0	985.7	967.3	962.7	927.6	880.7	857.2	839.2	803.2	776.2
155°	956.3	968.5	956.3	944.2	941.1	913.2	875.9	857.2	843.5	816.0	795.4
157.5°	933.2	941.7	933.2	924.7	922.5	900.7	871.7	857.2	847.8	828.8	814.6
160°	919.3	924.2	919.3	914.4	913.2	894.5	869.6	857.2	849.8	834.7	823.4
162.5°	910.2	914.9	910.2	905.5	904.4	888.7	867.7	857.2	851.8	840.9	832.8
165°	897.2	902.1	897.2	892.3	891.0	879.7	864.7	857.2	854.8	849.8	846.1
167.5°	887.8	889.8	887.8	885.7	885.2	877.8	868.0	863.0	861.0	856.8	853.7
170°	885.2	885.2	885.2	885.2	885.2	877.8	868.0	863.0	862.9	862.6	862.5
172.5°	878.2	876.5	878.2	880.0	880.5	874.7	866.9	863.0	863.0	863.0	863.0
175°	874.1	874.1	874.1	874.1	874.1	870.4	865.4	863.0	864.1	866.5	868.2
177.5°	870.3	868.2	870.3	872.4	872.9	870.0	866.2	864.2	865.2	866.9	868.2
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

TEST NUMBER: P935207

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1501.9	1493.5	1493.5	1479.5	1473.9	1469.6	1462.6	1441.6	1436.0	1430.4	1438.8
5°	1514.5	1499.1	1487.9	1462.6	1441.6	1433.2	1406.6	1356.2	1322.5	1297.3	1283.3
7.5°	1517.3	1497.7	1476.7	1437.4	1387.0	1364.6	1283.3	1190.9	1165.6	1143.2	1129.2
10°	1514.5	1492.1	1462.6	1403.8	1284.7	1245.5	1164.2	1104.0	1088.6	1084.4	1088.6
12.5°	1504.7	1483.7	1443.0	1345.0	1178.2	1151.6	1104.0	1069.0	1066.2	1073.2	1111.0
15°	1487.9	1468.2	1420.6	1266.5	1119.4	1099.8	1066.2	1053.6	1069.0	1118.0	1231.5
17.5°	1471.1	1448.6	1389.8	1189.4	1074.6	1060.6	1036.7	1062.0	1148.8	1214.7	1252.5
20°	1448.6	1422.0	1354.8	1133.4	1042.3	1029.7	1018.5	1132.0	1197.9	1221.7	1242.7
22.5°	1422.0	1394.0	1307.1	1094.2	1008.7	998.9	1005.9	1171.2	1197.9	1214.7	1232.9
25°	1387.0	1363.2	1251.1	1063.4	982.1	970.9	997.5	1167.0	1182.4	1186.6	1223.1
27.5°	1354.8	1323.9	1192.3	1035.3	949.9	945.7	1004.5	1148.8	1160.0	1164.2	1203.5
30°	1315.5	1269.3	1126.4	1005.9	916.3	914.9	1005.9	1126.4	1123.6	1134.8	1174.0
32.5°	1274.9	1188.0	1052.2	969.5	884.0	882.6	996.1	1092.8	1090.0	1105.4	1134.8
35°	1237.1	1125.0	951.3	927.5	843.4	844.8	972.3	1053.6	1055.0	1069.0	1087.2
37.5°	1197.9	1070.4	840.6	881.2	804.2	804.2	940.1	1017.1	1014.3	1018.5	1043.7
40°	1151.6	984.9	742.5	821.0	767.7	763.5	900.8	977.9	968.1	966.7	1001.7
42.5°	1102.6	891.0	669.7	741.1	725.7	720.1	853.2	930.3	912.1	916.3	961.1
45°	1049.3	865.8	613.6	626.2	682.3	678.1	801.4	875.6	863.0	874.2	920.5
47.5°	996.1	815.4	595.4	519.8	636.1	634.7	743.9	822.4	815.4	826.6	875.6
50°	923.3	759.3	594.0	445.5	584.2	589.8	675.3	770.6	770.6	780.4	832.2
52.5°	829.4	690.7	539.4	403.5	524.0	540.8	615.0	725.7	728.5	738.3	784.6
55°	743.9	619.2	500.2	371.3	452.5	488.9	556.2	679.5	685.1	694.9	736.9
57.5°	665.5	515.6	491.8	333.4	386.7	421.7	504.4	634.7	637.5	645.9	686.5
60°	581.4	372.7	451.1	292.8	329.2	355.9	456.7	581.4	591.2	596.8	631.9
62.5°	486.1	270.4	409.1	264.8	301.2	306.8	417.5	531.0	543.6	547.8	568.8
65°	346.0	227.0	347.4	241.0	271.8	273.2	375.5	479.1	490.4	497.4	512.8
67.5°	234.0	184.9	264.8	218.6	249.4	250.8	334.8	418.9	434.3	439.9	449.7
70°	162.5	123.3	196.1	194.7	224.2	227.0	291.4	364.3	378.3	382.5	388.1
72.5°	119.1	99.5	162.5	175.1	197.5	200.3	246.6	302.6	316.6	320.8	323.6
75°	91.1	105.1	131.7	152.7	168.1	169.5	201.7	246.6	256.4	259.2	260.6
77.5°	72.9	98.1	96.7	123.3	137.3	134.5	158.3	190.5	198.9	198.9	198.9
80°	54.6	77.1	72.9	88.3	100.9	98.1	113.5	135.9	138.7	141.5	140.1
82.5°	40.6	49.0	49.0	56.0	67.2	64.4	75.7	88.3	88.3	88.3	91.1
85°	25.2	28.0	22.4	29.4	37.8	36.4	42.0	47.6	49.0	49.0	46.2
87.5°	15.4	12.6	7.0	11.2	16.8	16.8	19.6	21.0	19.6	19.6	19.6
90°	15.1	10.5	5.8	10.5	15.1	16.3	25.7	38.1	44.3	39.3	29.5
92.5°	102.6	63.0	23.4	63.0	102.6	112.5	158.1	218.9	249.4	218.6	156.9
95°	201.0	128.4	55.9	128.4	201.0	219.1	389.1	615.7	729.0	650.5	493.5
97.5°	224.7	160.7	96.8	160.7	224.7	240.7	524.1	902.0	1090.9	1041.3	942.1
100°	244.2	186.2	128.2	186.2	244.2	258.7	573.2	992.5	1202.2	1205.8	1213.1
102.5°	263.3	209.2	155.0	209.2	263.3	276.8	595.8	1021.0	1233.6	1296.9	1423.2
105°	292.2	246.3	200.4	246.3	292.2	303.6	612.5	1024.3	1230.2	1371.9	1655.1
107.5°	332.6	289.8	247.0	289.8	332.6	343.2	615.6	978.6	1160.2	1357.8	1753.0
110°	355.8	317.1	278.5	317.1	355.8	365.4	610.9	938.3	1101.9	1322.8	1764.7

TEST NUMBER: P935207

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	383.0	346.2	309.4	346.2	383.0	392.2	611.1	903.0	1048.9	1275.0	1727.2
115°	423.8	389.9	356.0	389.9	423.8	432.3	616.7	862.5	985.4	1203.2	1638.9
117.5°	463.7	432.9	402.1	432.9	463.7	471.4	628.1	837.1	941.7	1138.3	1531.4
120°	486.9	457.9	428.9	457.9	486.9	494.2	637.5	828.6	924.2	1103.8	1463.0
122.5°	513.7	484.4	455.1	484.4	513.7	521.0	650.9	824.2	910.8	1072.6	1396.0
125°	548.7	522.0	495.3	522.0	548.7	555.4	669.0	820.5	896.3	1033.7	1308.4
127.5°	581.9	554.9	528.0	554.9	581.9	588.6	687.1	818.4	884.0	1002.0	1237.9
130°	603.5	574.5	545.5	574.5	603.5	610.7	700.3	819.7	879.4	984.3	1194.4
132.5°	621.5	592.5	563.5	592.5	621.5	628.8	711.0	820.5	875.3	969.3	1157.3
135°	643.2	616.7	590.3	616.7	643.2	649.8	722.6	819.7	868.2	947.0	1104.5
137.5°	670.1	643.8	617.7	643.8	670.1	676.6	740.1	824.8	867.1	933.7	1066.8
140°	688.6	664.5	640.4	664.5	688.6	694.6	750.7	825.6	863.0	920.6	1035.5
142.5°	702.5	680.2	657.9	680.2	702.5	708.1	759.7	828.6	863.0	913.5	1014.5
145°	723.6	704.1	684.7	704.1	723.6	728.4	771.4	828.6	857.2	898.5	981.2
147.5°	749.3	730.4	711.5	730.4	749.3	754.0	788.4	834.2	857.2	889.7	954.7
150°	763.2	746.1	729.0	746.1	763.2	767.5	797.4	837.2	857.2	884.7	939.5
152.5°	773.0	760.1	747.1	760.1	773.0	776.2	803.2	839.2	857.2	880.7	927.6
155°	793.0	783.4	773.9	783.4	793.0	795.4	816.0	843.5	857.2	875.9	913.2
157.5°	812.3	803.1	793.7	803.1	812.3	814.6	828.8	847.8	857.2	871.7	900.7
160°	821.6	814.4	807.1	814.4	821.6	823.4	834.7	849.8	857.2	869.6	894.5
162.5°	831.4	825.9	820.5	825.9	831.4	832.8	840.9	851.8	857.2	867.7	888.7
165°	844.9	839.9	835.1	839.9	844.9	846.1	849.8	854.8	857.2	864.7	879.7
167.5°	853.1	850.8	848.4	850.8	853.1	853.7	856.8	861.0	863.0	868.0	877.8
170°	861.9	859.6	857.2	859.6	861.9	862.5	862.6	862.9	863.0	868.0	877.8
172.5°	862.9	862.4	861.9	862.4	862.9	863.0	863.0	863.0	863.0	866.9	874.7
175°	868.2	868.2	868.2	868.2	868.2	868.2	866.5	864.1	863.0	865.4	870.4
177.5°	868.2	868.2	868.2	868.2	868.2	868.2	866.9	865.2	864.2	866.2	870.0
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

TEST NUMBER: P935207

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1429.0	1424.8	1430.4	1415.0	1430.4	1424.8	1429.0	1438.8	1430.4	1436.0	1441.6
5°	1253.9	1246.9	1224.5	1206.3	1224.5	1246.9	1253.9	1283.3	1297.3	1322.5	1356.2
7.5°	1120.8	1115.2	1109.6	1098.4	1109.6	1115.2	1120.8	1129.2	1143.2	1165.6	1190.9
10°	1091.4	1092.8	1101.2	1099.8	1101.2	1092.8	1091.4	1088.6	1084.4	1088.6	1104.0
12.5°	1167.0	1179.6	1225.9	1223.1	1225.9	1179.6	1167.0	1111.0	1073.2	1066.2	1069.0
15°	1253.9	1258.1	1267.9	1269.3	1267.9	1258.1	1253.9	1231.5	1118.0	1069.0	1053.6
17.5°	1262.3	1263.7	1270.7	1270.7	1270.7	1263.7	1262.3	1252.5	1214.7	1148.8	1062.0
20°	1255.3	1258.1	1272.1	1274.9	1272.1	1258.1	1255.3	1242.7	1221.7	1197.9	1132.0
22.5°	1252.5	1258.1	1269.3	1267.9	1269.3	1258.1	1252.5	1232.9	1214.7	1197.9	1171.2
25°	1238.5	1238.5	1239.9	1241.3	1239.9	1238.5	1238.5	1223.1	1186.6	1182.4	1167.0
27.5°	1209.1	1211.9	1220.3	1218.9	1220.3	1211.9	1209.1	1203.5	1164.2	1160.0	1148.8
30°	1182.4	1179.6	1172.6	1167.0	1172.6	1179.6	1182.4	1174.0	1134.8	1123.6	1126.4
32.5°	1137.6	1130.6	1123.6	1119.4	1123.6	1130.6	1137.6	1134.8	1105.4	1090.0	1092.8
35°	1084.4	1085.8	1084.4	1080.2	1084.4	1085.8	1084.4	1087.2	1069.0	1055.0	1053.6
37.5°	1046.5	1049.3	1047.9	1042.3	1047.9	1049.3	1046.5	1043.7	1018.5	1014.3	1017.1
40°	1007.3	1008.7	1007.3	1003.1	1007.3	1008.7	1007.3	1001.7	966.7	968.1	977.9
42.5°	969.5	968.1	963.9	961.1	963.9	968.1	969.5	961.1	916.3	912.1	930.3
45°	926.1	927.5	919.1	914.9	919.1	927.5	926.1	920.5	874.2	863.0	875.6
47.5°	882.6	882.6	875.6	871.4	875.6	882.6	882.6	875.6	826.6	815.4	822.4
50°	836.4	835.0	825.2	823.8	825.2	835.0	836.4	832.2	780.4	770.6	770.6
52.5°	783.2	783.2	784.6	787.4	784.6	783.2	783.2	784.6	738.3	728.5	725.7
55°	736.9	738.3	748.1	750.9	748.1	738.3	736.9	736.9	694.9	685.1	679.5
57.5°	689.3	689.3	696.3	696.3	696.3	689.3	689.3	686.5	645.9	637.5	634.7
60°	634.7	637.5	643.1	641.7	643.1	637.5	634.7	631.9	596.8	591.2	581.4
62.5°	577.2	580.0	581.4	578.6	581.4	580.0	577.2	568.8	547.8	543.6	531.0
65°	517.0	519.8	521.2	518.4	521.2	519.8	517.0	512.8	497.4	490.4	479.1
67.5°	455.3	453.9	452.5	458.1	452.5	453.9	455.3	449.7	439.9	434.3	418.9
70°	392.3	392.3	390.9	393.7	390.9	392.3	392.3	388.1	382.5	378.3	364.3
72.5°	325.0	323.6	329.2	325.0	329.2	323.6	325.0	323.6	320.8	316.6	302.6
75°	259.2	262.0	259.2	263.4	259.2	262.0	259.2	260.6	259.2	256.4	246.6
77.5°	197.5	200.3	197.5	197.5	197.5	200.3	197.5	198.9	198.9	198.9	190.5
80°	140.1	138.7	138.7	137.3	138.7	138.7	140.1	140.1	141.5	138.7	135.9
82.5°	89.7	88.3	88.3	91.1	88.3	88.3	89.7	91.1	88.3	88.3	88.3
85°	49.0	50.4	47.6	47.6	47.6	50.4	49.0	46.2	49.0	49.0	47.6
87.5°	18.2	16.8	16.8	16.8	16.8	16.8	18.2	19.6	19.6	19.6	21.0
90°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	29.5	39.3	44.3	38.1
92.5°	110.7	106.3	88.6	71.1	88.6	106.3	110.7	156.9	218.6	249.4	218.9
95°	375.8	362.5	309.2	255.8	309.2	362.5	375.8	493.5	650.5	729.0	615.7
97.5°	867.7	842.3	740.8	639.2	740.8	842.3	867.7	942.1	1041.3	1090.9	902.0
100°	1218.5	1188.2	1067.3	946.3	1067.3	1188.2	1218.5	1213.1	1205.8	1202.2	992.5
102.5°	1518.0	1492.2	1388.5	1284.9	1388.5	1492.2	1518.0	1423.2	1296.9	1233.6	1021.0
105°	1867.6	1853.7	1798.0	1742.4	1798.0	1853.7	1867.6	1655.1	1371.9	1230.2	1024.3
107.5°	2049.5	2052.8	2066.4	2079.8	2066.4	2052.8	2049.5	1753.0	1357.8	1160.2	978.6
110°	2096.1	2110.6	2168.7	2226.7	2168.7	2110.6	2096.1	1764.7	1322.8	1101.9	938.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2066.4	2088.6	2177.7	2266.8	2177.7	2088.6	2066.4	1727.2	1275.0	1048.9	903.0
115°	1965.6	1996.5	2120.0	2243.6	2120.0	1996.5	1965.6	1638.9	1203.2	985.4	862.5
117.5°	1826.3	1860.5	1997.5	2134.6	1997.5	1860.5	1826.3	1531.4	1138.3	941.7	837.1
120°	1732.5	1765.7	1898.9	2032.0	1898.9	1765.7	1732.5	1463.0	1103.8	924.2	828.6
122.5°	1638.6	1671.5	1802.8	1934.1	1802.8	1671.5	1638.6	1396.0	1072.6	910.8	824.2
125°	1514.6	1544.8	1665.7	1786.6	1665.7	1544.8	1514.6	1308.4	1033.7	896.3	820.5
127.5°	1414.9	1440.4	1542.5	1644.5	1542.5	1440.4	1414.9	1237.9	1002.0	884.0	818.4
130°	1352.0	1375.5	1469.8	1564.1	1469.8	1375.5	1352.0	1194.4	984.3	879.4	819.7
132.5°	1298.4	1319.5	1403.9	1488.3	1403.9	1319.5	1298.4	1157.3	969.3	875.3	820.5
135°	1222.6	1240.8	1313.6	1386.3	1313.6	1240.8	1222.6	1104.5	947.0	868.2	819.7
137.5°	1166.7	1181.5	1241.1	1300.7	1241.1	1181.5	1166.7	1066.8	933.7	867.1	824.8
140°	1121.7	1135.7	1191.4	1247.1	1191.4	1135.7	1121.7	1035.5	920.6	863.0	825.6
142.5°	1090.3	1102.2	1150.2	1198.1	1150.2	1102.2	1090.3	1014.5	913.5	863.0	828.6
145°	1043.1	1052.2	1088.5	1124.7	1088.5	1052.2	1043.1	981.2	898.5	857.2	828.6
147.5°	1003.5	1011.0	1041.0	1071.1	1041.0	1011.0	1003.5	954.7	889.7	857.2	834.2
150°	980.7	986.8	1011.1	1035.5	1011.1	986.8	980.7	939.5	884.7	857.2	837.2
152.5°	962.7	967.3	985.7	1004.0	985.7	967.3	962.7	927.6	880.7	857.2	839.2
155°	941.1	944.2	956.3	968.5	956.3	944.2	941.1	913.2	875.9	857.2	843.5
157.5°	922.5	924.7	933.2	941.7	933.2	924.7	922.5	900.7	871.7	857.2	847.8
160°	913.2	914.4	919.3	924.2	919.3	914.4	913.2	894.5	869.6	857.2	849.8
162.5°	904.4	905.5	910.2	914.9	910.2	905.5	904.4	888.7	867.7	857.2	851.8
165°	891.0	892.3	897.2	902.1	897.2	892.3	891.0	879.7	864.7	857.2	854.8
167.5°	885.2	885.7	887.8	889.8	887.8	885.7	885.2	877.8	868.0	863.0	861.0
170°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	877.8	868.0	863.0	862.9
172.5°	880.5	880.0	878.2	876.5	878.2	880.0	880.5	874.7	866.9	863.0	863.0
175°	874.1	874.1	874.1	874.1	874.1	874.1	874.1	870.4	865.4	863.0	864.1
177.5°	872.9	872.4	870.3	868.2	870.3	872.4	872.9	870.0	866.2	864.2	865.2
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1462.6	1469.6	1473.9	1479.5	1493.5
5°	1406.6	1433.2	1441.6	1462.6	1487.9
7.5°	1283.3	1364.6	1387.0	1437.4	1476.7
10°	1164.2	1245.5	1284.7	1403.8	1462.6
12.5°	1104.0	1151.6	1178.2	1345.0	1443.0
15°	1066.2	1099.8	1119.4	1266.5	1420.6
17.5°	1036.7	1060.6	1074.6	1189.4	1389.8
20°	1018.5	1029.7	1042.3	1133.4	1354.8
22.5°	1005.9	998.9	1008.7	1094.2	1307.1
25°	997.5	970.9	982.1	1063.4	1251.1
27.5°	1004.5	945.7	949.9	1035.3	1192.3
30°	1005.9	914.9	916.3	1005.9	1126.4
32.5°	996.1	882.6	884.0	969.5	1052.2
35°	972.3	844.8	843.4	927.5	951.3
37.5°	940.1	804.2	804.2	881.2	840.6
40°	900.8	763.5	767.7	821.0	742.5
42.5°	853.2	720.1	725.7	741.1	669.7
45°	801.4	678.1	682.3	626.2	613.6
47.5°	743.9	634.7	636.1	519.8	595.4
50°	675.3	589.8	584.2	445.5	594.0
52.5°	615.0	540.8	524.0	403.5	539.4
55°	556.2	488.9	452.5	371.3	500.2
57.5°	504.4	421.7	386.7	333.4	491.8
60°	456.7	355.9	329.2	292.8	451.1
62.5°	417.5	306.8	301.2	264.8	409.1
65°	375.5	273.2	271.8	241.0	347.4
67.5°	334.8	250.8	249.4	218.6	264.8
70°	291.4	227.0	224.2	194.7	196.1
72.5°	246.6	200.3	197.5	175.1	162.5
75°	201.7	169.5	168.1	152.7	131.7
77.5°	158.3	134.5	137.3	123.3	96.7
80°	113.5	98.1	100.9	88.3	72.9
82.5°	75.7	64.4	67.2	56.0	49.0
85°	42.0	36.4	37.8	29.4	22.4
87.5°	19.6	16.8	16.8	11.2	7.0
90°	25.7	16.3	15.1	10.5	5.8
92.5°	158.1	112.5	102.6	63.0	23.4
95°	389.1	219.1	201.0	128.4	55.9
97.5°	524.1	240.7	224.7	160.7	96.8
100°	573.2	258.7	244.2	186.2	128.2
102.5°	595.8	276.8	263.3	209.2	155.0
105°	612.5	303.6	292.2	246.3	200.4
107.5°	615.6	343.2	332.6	289.8	247.0
110°	610.9	365.4	355.8	317.1	278.5

TEST NUMBER: P935207

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	611.1	392.2	383.0	346.2	309.4
115°	616.7	432.3	423.8	389.9	356.0
117.5°	628.1	471.4	463.7	432.9	402.1
120°	637.5	494.2	486.9	457.9	428.9
122.5°	650.9	521.0	513.7	484.4	455.1
125°	669.0	555.4	548.7	522.0	495.3
127.5°	687.1	588.6	581.9	554.9	528.0
130°	700.3	610.7	603.5	574.5	545.5
132.5°	711.0	628.8	621.5	592.5	563.5
135°	722.6	649.8	643.2	616.7	590.3
137.5°	740.1	676.6	670.1	643.8	617.7
140°	750.7	694.6	688.6	664.5	640.4
142.5°	759.7	708.1	702.5	680.2	657.9
145°	771.4	728.4	723.6	704.1	684.7
147.5°	788.4	754.0	749.3	730.4	711.5
150°	797.4	767.5	763.2	746.1	729.0
152.5°	803.2	776.2	773.0	760.1	747.1
155°	816.0	795.4	793.0	783.4	773.9
157.5°	828.8	814.6	812.3	803.1	793.7
160°	834.7	823.4	821.6	814.4	807.1
162.5°	840.9	832.8	831.4	825.9	820.5
165°	849.8	846.1	844.9	839.9	835.1
167.5°	856.8	853.7	853.1	850.8	848.4
170°	862.6	862.5	861.9	859.6	857.2
172.5°	863.0	863.0	862.9	862.4	861.9
175°	866.5	868.2	868.2	868.2	868.2
177.5°	866.9	868.2	868.2	868.2	868.2
180°	868.2	868.2	868.2	868.2	868.2

(END OF REPORT)