

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: P936007

Luminaire Tested: SQ4-FA-150U-075D-B50-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936007
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-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

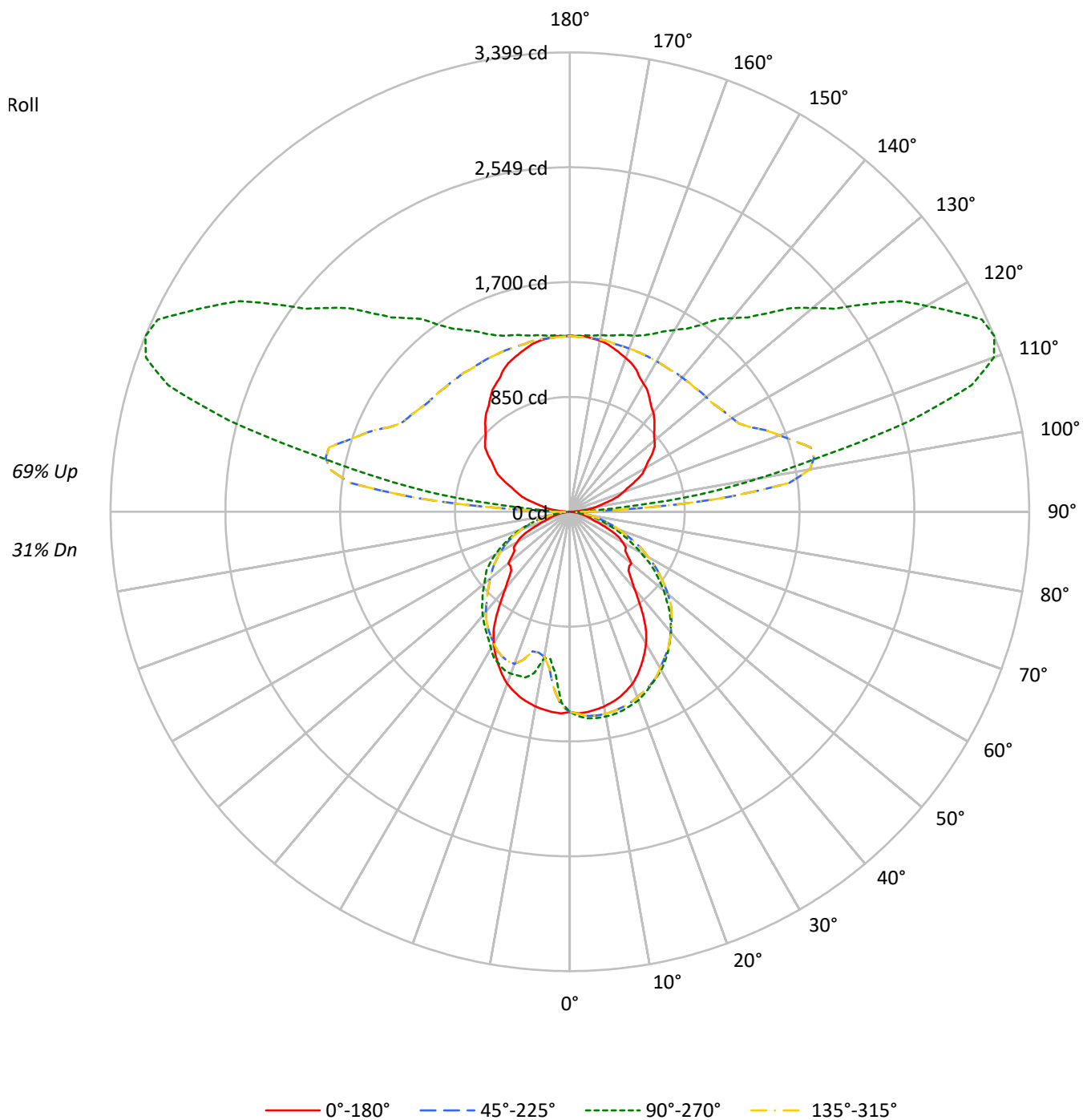
Lumens per Lamp: N/A
Luminaire Lumens: 12284.9 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.4
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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31			
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26			
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22			
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19			
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16			
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14			
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12			
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11			
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10			
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9			
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8			

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	1.1
10°-20°	379.5	3.1
20°-30°	586.7	4.8
30°-40°	700.4	5.7
40°-50°	704.5	5.7
50°-60°	613.0	5.0
60°-70°	434.6	3.5
70°-80°	229.9	1.9
80°-90°	62.2	0.5
90°-100°	634.7	5.2
100°-110°	1668.5	13.6
110°-120°	1730.1	14.1
120°-130°	1387.7	11.3
130°-140°	1088.9	8.9
140°-150°	835.8	6.8
150°-160°	601.9	4.9
160°-170°	368.3	3.0
170°-180°	124.4	1.0
0°-30°	1099.9	9.0
0°-40°	1800.3	14.7
0°-60°	3117.8	25.4
0°-90°	3844.6	31.3
90°-120°	4033.3	32.8
90°-150°	7345.7	59.8
90°-180°	8440.0	68.7
0°-180°	12284.9	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°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2613	301	2613	301	319
115°	534	3364	534	3364	534	527
125°	743	2679	743	2679	743	659
135°	885	2079	885	2079	885	685
145°	1027	1686	1027	1686	1027	643
155°	1160	1452	1160	1452	1160	533
165°	1252	1353	1252	1353	1252	353
175°	1302	1311	1302	1311	1302	124
180°	1302	1302	1302	1302	1302	

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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°	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3	33.3	33.3
92.5°	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4	166.1	159.4
95°	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1	563.6	543.6
97.5°	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7	1301.2	1263.0
100°	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1	1827.2	1781.9
102.5°	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1	2276.3	2237.4
105°	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9	2800.6	2779.7
107.5°	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7	3073.2	3078.3
110°	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2	3143.1	3164.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0	3098.5	3132.0
115°	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4	2947.3	2993.7
117.5°	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3	2738.5	2789.9
120°	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9	2597.8	2647.7
122.5°	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4	2457.2	2506.4
125°	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0	2271.0	2316.3
127.5°	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2	2121.6	2159.9
130°	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0	2027.2	2062.6
132.5°	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4	1946.8	1978.5
135°	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2	1833.3	1860.5
137.5°	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7	1749.4	1771.7
140°	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8	1682.1	1703.0
142.5°	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3	1634.9	1652.8
145°	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2	1564.2	1577.7
147.5°	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5	1504.7	1516.0
150°	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8	1470.6	1479.7
152.5°	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8	1443.5	1450.4
155°	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2	1411.2	1415.8
157.5°	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7	1383.3	1386.4
160°	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3	1369.2	1371.1
162.5°	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5	1356.2	1357.9
165°	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2	1336.1	1338.0
167.5°	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3	1327.3	1328.1
170°	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3	1327.3	1327.3
172.5°	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6	1320.3	1319.6
175°	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2	1310.7	1310.7
177.5°	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6	1309.0	1308.3
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

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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°	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1	38.5	24.5
92.5°	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4	237.1	168.7
95°	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3	583.5	328.6
97.5°	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5	785.9	360.9
100°	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3	859.6	388.0
102.5°	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0	893.4	415.1
105°	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9	918.4	455.2
107.5°	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5	923.0	514.6
110°	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9	916.1	547.9

TEST NUMBER: P936007

CATALOG NUMBER: SQ4-FA-150U-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°	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0	916.3	588.0
115°	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3	924.8	648.4
117.5°	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4	942.0	706.9
120°	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6	955.9	741.0
122.5°	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9	976.0	781.2
125°	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4	1003.1	832.8
127.5°	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1	1030.2	882.5
130°	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1	1050.1	915.8
132.5°	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4	1066.1	942.9
135°	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1	1083.5	974.3
137.5°	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7	1109.8	1014.5
140°	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0	1125.8	1041.6
142.5°	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5	1139.2	1061.7
145°	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5	1156.7	1092.3
147.5°	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0	1182.3	1130.7
150°	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5	1195.6	1150.8
152.5°	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4	1204.4	1164.0
155°	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8	1223.6	1192.7
157.5°	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2	1242.9	1221.6
160°	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1	1251.6	1234.7
162.5°	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2	1260.9	1248.7
165°	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6	1274.3	1268.7
167.5°	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1	1284.8	1280.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0	1293.5	1293.2
172.5°	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9	1299.4	1302.0
177.5°	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2	1299.9	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

TEST NUMBER: P936007

CATALOG NUMBER: SQ4-FA-150U-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°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3
92.5°	153.8	94.3	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4
95°	301.4	192.6	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1
97.5°	336.9	241.0	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7
100°	366.2	279.3	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1
102.5°	394.8	313.6	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1
105°	438.0	369.3	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9
107.5°	498.7	434.6	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7
110°	533.4	475.6	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2

TEST NUMBER: P936007

CATALOG NUMBER: SQ4-FA-150U-075D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.2	519.1	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0
115°	635.7	584.8	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4
117.5°	695.4	649.1	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3
120°	730.2	686.7	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9
122.5°	770.3	726.4	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4
125°	822.8	782.7	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0
127.5°	872.4	832.0	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2
130°	905.0	861.4	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0
132.5°	932.0	888.5	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4
135°	964.4	924.8	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2
137.5°	1004.7	965.5	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7
140°	1032.5	996.5	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8
142.5°	1053.4	1019.9	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3
145°	1085.0	1055.9	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2
147.5°	1123.6	1095.3	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5
150°	1144.3	1118.7	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8
152.5°	1159.1	1139.7	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8
155°	1189.2	1174.8	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2
157.5°	1218.1	1204.1	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7
160°	1231.9	1221.1	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3
162.5°	1246.6	1238.5	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5
165°	1266.9	1259.6	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2
167.5°	1279.3	1275.8	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3
170°	1292.4	1288.8	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3
172.5°	1294.0	1293.1	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6
175°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2
177.5°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

TEST NUMBER: P936007

CATALOG NUMBER: SQ4-FA-150U-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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1
92.5°	166.1	159.4	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4
95°	563.6	543.6	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3
97.5°	1301.2	1263.0	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5
100°	1827.2	1781.9	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3
102.5°	2276.3	2237.4	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0
105°	2800.6	2779.7	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9
107.5°	3073.2	3078.3	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5
110°	3143.1	3164.9	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3098.5	3132.0	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0
115°	2947.3	2993.7	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3
117.5°	2738.5	2789.9	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4
120°	2597.8	2647.7	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6
122.5°	2457.2	2506.4	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9
125°	2271.0	2316.3	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4
127.5°	2121.6	2159.9	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1
130°	2027.2	2062.6	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1
132.5°	1946.8	1978.5	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4
135°	1833.3	1860.5	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1
137.5°	1749.4	1771.7	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7
140°	1682.1	1703.0	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0
142.5°	1634.9	1652.8	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5
145°	1564.2	1577.7	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5
147.5°	1504.7	1516.0	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0
150°	1470.6	1479.7	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5
152.5°	1443.5	1450.4	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4
155°	1411.2	1415.8	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8
157.5°	1383.3	1386.4	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2
160°	1369.2	1371.1	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1
162.5°	1356.2	1357.9	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2
165°	1336.1	1338.0	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6
167.5°	1327.3	1328.1	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0
172.5°	1320.3	1319.6	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9
177.5°	1309.0	1308.3	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

TEST NUMBER: P936007

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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°	38.5	24.5	22.7	15.8	8.8
92.5°	237.1	168.7	153.8	94.3	34.9
95°	583.5	328.6	301.4	192.6	83.9
97.5°	785.9	360.9	336.9	241.0	145.1
100°	859.6	388.0	366.2	279.3	192.2
102.5°	893.4	415.1	394.8	313.6	232.5
105°	918.4	455.2	438.0	369.3	300.6
107.5°	923.0	514.6	498.7	434.6	370.5
110°	916.1	547.9	533.4	475.6	417.7

TEST NUMBER: P936007

CATALOG NUMBER: SQ4-FA-150U-075D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	916.3	588.0	574.2	519.1	464.0
115°	924.8	648.4	635.7	584.8	533.9
117.5°	942.0	706.9	695.4	649.1	602.9
120°	955.9	741.0	730.2	686.7	643.2
122.5°	976.0	781.2	770.3	726.4	682.5
125°	1003.1	832.8	822.8	782.7	742.7
127.5°	1030.2	882.5	872.4	832.0	791.7
130°	1050.1	915.8	905.0	861.4	817.9
132.5°	1066.1	942.9	932.0	888.5	845.0
135°	1083.5	974.3	964.4	924.8	885.2
137.5°	1109.8	1014.5	1004.7	965.5	926.2
140°	1125.8	1041.6	1032.5	996.5	960.3
142.5°	1139.2	1061.7	1053.4	1019.9	986.5
145°	1156.7	1092.3	1085.0	1055.9	1026.7
147.5°	1182.3	1130.7	1123.6	1095.3	1066.9
150°	1195.6	1150.8	1144.3	1118.7	1093.2
152.5°	1204.4	1164.0	1159.1	1139.7	1120.2
155°	1223.6	1192.7	1189.2	1174.8	1160.4
157.5°	1242.9	1221.6	1218.1	1204.1	1190.1
160°	1251.6	1234.7	1231.9	1221.1	1210.3
162.5°	1260.9	1248.7	1246.6	1238.5	1230.4
165°	1274.3	1268.7	1266.9	1259.6	1252.2
167.5°	1284.8	1280.1	1279.3	1275.8	1272.3
170°	1293.5	1293.2	1292.4	1288.8	1285.4
172.5°	1294.2	1294.2	1294.0	1293.1	1292.4
175°	1299.4	1302.0	1302.0	1302.0	1302.0
177.5°	1299.9	1302.0	1302.0	1302.0	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0

(END OF REPORT)