

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: P934804

Luminaire Tested: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934804
REPORT IS A COMBINATION OF REPORTS P933712 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

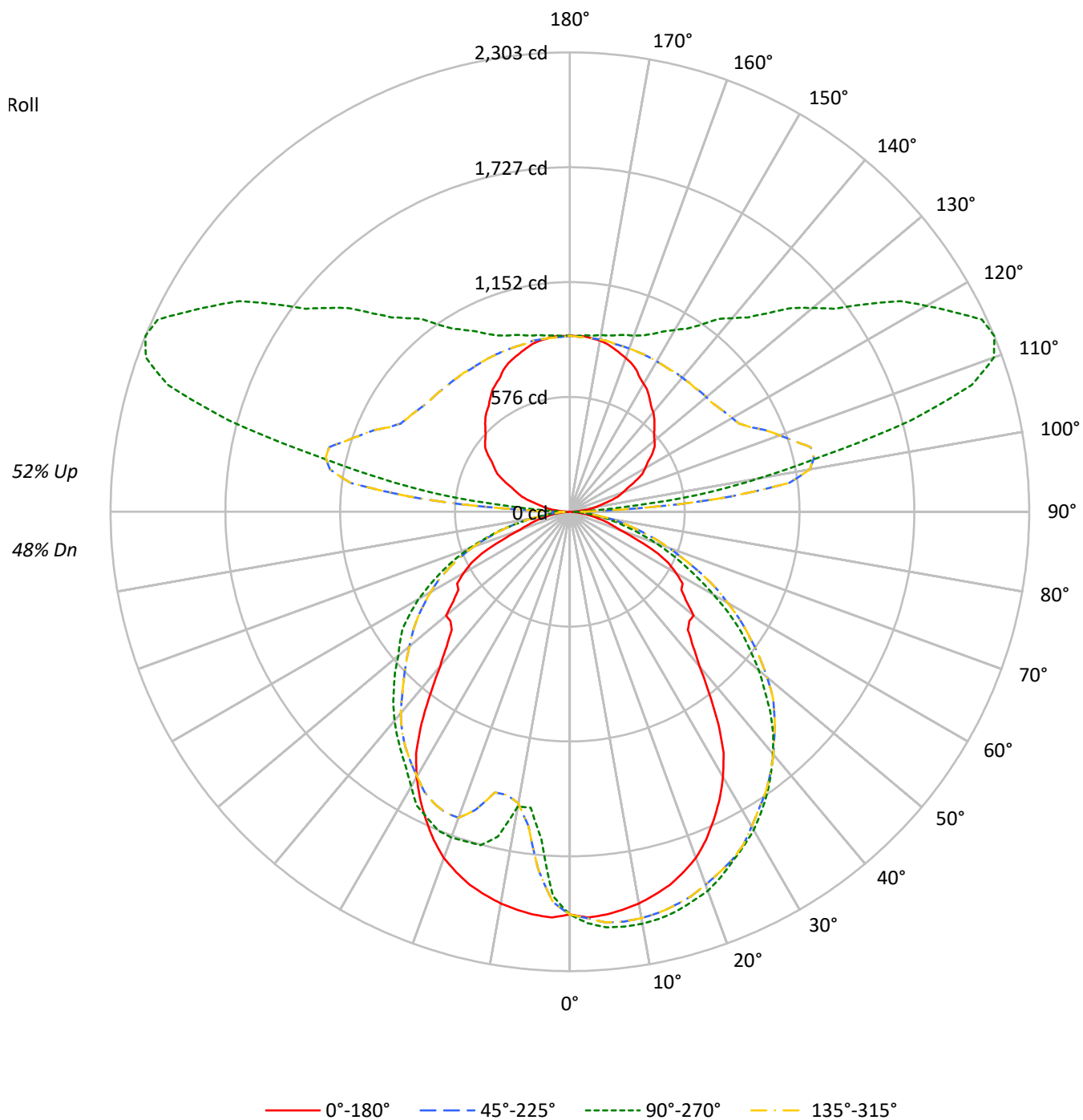
Lumens per Lamp: N/A
Luminaire Lumens: 10956.7 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 84.8
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: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

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	68	68	68	54	54	54	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	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°	9366	9366	9366	9366
5°	9436	9455	9436	7434
10°	9373	9314	9373	6659
15°	9271	9112	9271	7609
20°	9078	8873	9078	7624
25°	8680	8524	8680	7463
30°	8167	8235	8167	7108
35°	7281	7868	7281	6718
40°	6067	7437	6067	6424
45°	5422	6933	5422	6085
50°	5759	6331	5759	5745
55°	5419	5683	5419	5549
60°	5586	4827	5586	5082
65°	5065	3990	5065	4460
70°	3507	3180	3507	3739
75°	3074	2351	3074	2815
80°	2478	1554	2478	1692
85°	1425	823	1425	699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8309 cd/sqm

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	1.7
10°-20°	517.4	4.7
20°-30°	799.8	7.3
30°-40°	954.8	8.7
40°-50°	960.4	8.8
50°-60°	835.7	7.6
60°-70°	592.5	5.4
70°-80°	313.5	2.9
80°-90°	81.4	0.7
90°-100°	430.0	3.9
100°-110°	1130.6	10.3
110°-120°	1172.3	10.7
120°-130°	940.3	8.6
130°-140°	737.8	6.7
140°-150°	566.3	5.2
150°-160°	407.8	3.7
160°-170°	249.5	2.3
170°-180°	84.3	0.8
0°-30°	1499.4	13.7
0°-40°	2454.2	22.4
0°-60°	4250.3	38.8
0°-90°	5237.7	47.8
90°-120°	2732.9	24.9
90°-150°	4977.3	45.4
90°-180°	5719.0	52.2
0°-180°	10956.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2019	2019	2019	2019	2019	
5°	2028	2091	2028	1644	2028	192
15°	1937	2072	1937	1730	1937	545
25°	1706	1933	1706	1692	1706	783
35°	1297	1725	1297	1472	1297	802
45°	837	1421	837	1247	837	670
55°	682	1049	682	1024	682	627
65°	474	632	474	707	474	453
75°	180	300	180	359	180	189
85°	31	76	31	65	31	41
90°	6	22	6	22	6	6
95°	57	260	57	260	57	63
105°	204	1770	204	1770	204	216
115°	362	2280	362	2280	362	357
125°	503	1815	503	1815	503	447
135°	600	1408	600	1408	600	464
145°	696	1143	696	1143	696	436
155°	786	984	786	984	786	361
165°	848	916	848	916	848	239
175°	882	888	882	888	882	84
180°	882	882	882	882	882	

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2036.0	2036.0	2047.4	2051.2	2051.2	2045.5	2039.8	2045.5	2062.7	2068.4	2066.5
5°	2028.3	2043.6	2064.6	2068.4	2072.3	2070.3	2066.5	2070.3	2089.4	2093.3	2095.2
7.5°	2013.0	2041.7	2068.4	2074.2	2079.9	2074.2	2072.3	2076.1	2095.2	2099.0	2099.0
10°	1993.9	2034.1	2064.6	2068.4	2074.2	2068.4	2068.4	2076.1	2095.2	2099.0	2100.9
12.5°	1967.2	2022.6	2051.2	2055.1	2062.7	2060.8	2058.9	2066.5	2085.6	2089.4	2089.4
15°	1936.6	2001.6	2028.3	2032.1	2045.5	2041.7	2041.7	2049.3	2070.3	2076.1	2074.2
17.5°	1894.6	1974.8	2005.4	2011.1	2020.7	2018.8	2020.7	2028.3	2047.4	2051.2	2053.2
20°	1846.9	1938.6	1974.8	1980.6	1990.1	1990.1	1990.1	1999.7	2018.8	2026.4	2026.4
22.5°	1781.9	1900.4	1938.6	1942.4	1953.8	1953.8	1957.7	1971.0	1988.2	1990.1	1990.1
25°	1705.5	1858.3	1890.8	1902.3	1913.7	1919.5	1925.2	1932.8	1938.6	1936.6	1938.6
27.5°	1625.3	1804.9	1846.9	1854.5	1869.8	1875.5	1883.2	1885.1	1887.0	1892.7	1888.9
30°	1535.5	1730.4	1793.4	1801.0	1825.9	1829.7	1822.0	1825.9	1835.4	1839.2	1843.1
32.5°	1434.3	1619.6	1738.0	1755.2	1778.1	1766.7	1764.7	1770.5	1785.8	1785.8	1789.6
35°	1296.8	1533.6	1686.4	1701.7	1718.9	1705.5	1713.2	1715.1	1724.6	1730.4	1728.5
37.5°	1145.9	1459.1	1633.0	1644.4	1657.8	1640.6	1652.1	1657.8	1665.4	1661.6	1661.6
40°	1012.3	1342.6	1569.9	1577.6	1589.0	1575.7	1587.1	1590.9	1594.8	1590.9	1589.0
42.5°	913.0	1214.7	1503.1	1512.6	1505.0	1514.5	1518.4	1526.0	1520.3	1512.6	1512.6
45°	836.6	1180.3	1430.5	1442.0	1430.5	1445.8	1451.5	1451.5	1434.3	1430.5	1428.6
47.5°	811.8	1111.6	1357.9	1357.9	1352.2	1371.3	1380.8	1367.5	1350.3	1344.5	1344.5
50°	809.8	1035.2	1258.6	1251.0	1277.7	1300.6	1291.1	1277.7	1264.3	1243.3	1243.3
52.5°	735.4	941.6	1130.7	1159.3	1201.3	1214.7	1199.4	1186.0	1163.1	1153.5	1145.9
55°	681.9	844.2	1014.2	1071.5	1115.4	1132.6	1104.0	1090.6	1056.2	1050.5	1046.7
57.5°	670.4	702.9	907.2	979.8	1033.3	1031.4	1014.2	989.4	960.7	955.0	953.1
60°	615.0	508.1	792.6	878.6	934.0	928.3	913.0	890.1	863.3	859.5	855.7
62.5°	557.7	368.6	662.8	760.2	838.5	836.6	823.2	788.8	769.7	760.2	752.5
65°	473.7	309.4	471.8	632.2	744.9	748.7	720.1	695.2	674.2	662.8	660.9
67.5°	361.0	252.1	319.0	527.2	655.1	651.3	615.0	603.6	576.8	571.1	559.6
70°	267.4	168.1	221.6	427.8	567.3	557.7	529.1	515.7	490.9	477.5	469.9
72.5°	221.6	135.6	162.4	332.3	477.5	466.0	441.2	425.9	404.9	393.5	385.8
75°	179.5	143.2	124.2	246.4	387.7	380.1	357.2	341.9	324.7	309.4	311.3
77.5°	131.8	133.7	99.3	181.4	307.5	296.0	282.7	263.6	255.9	240.7	240.7
80°	99.3	105.0	74.5	124.2	221.6	221.6	210.1	196.7	183.4	175.7	175.7
82.5°	66.8	66.8	55.4	78.3	150.9	145.2	137.5	133.7	126.1	122.2	122.2
85°	30.6	38.2	34.4	47.8	82.1	86.0	86.0	82.1	80.2	76.4	78.3
87.5°	9.5	17.2	21.0	26.7	42.0	43.9	45.8	45.8	45.8	47.8	47.8
90°	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0	22.5	22.5
92.5°	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5	112.5	108.0
95°	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5	381.9	368.3
97.5°	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2	881.7	855.9
100°	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5	1238.1	1207.3
102.5°	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1	1542.4	1516.1
105°	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7	1897.6	1883.5
107.5°	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2	2082.4	2085.8
110°	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0	2129.7	2144.5

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	314.4	351.7	389.1	398.4	620.8	917.5	1065.8	1295.6	1755.0	2099.6	2122.2
115°	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1	1997.1	2028.5
117.5°	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0	1855.6	1890.3
120°	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6	1760.3	1794.1
122.5°	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5	1664.9	1698.3
125°	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4	1538.8	1569.5
127.5°	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7	1437.6	1463.4
130°	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6	1373.7	1397.6
132.5°	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9	1319.1	1340.6
135°	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2	1242.2	1260.7
137.5°	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9	1185.3	1200.4
140°	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1	1139.8	1153.9
142.5°	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8	1107.8	1119.9
145°	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9	1059.9	1069.0
147.5°	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0	1019.6	1027.2
150°	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6	996.4	1002.7
152.5°	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4	978.1	982.8
155°	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8	956.2	959.3
157.5°	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2	937.2	939.4
160°	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9	927.8	929.0
162.5°	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0	918.9	920.0
165°	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9	905.3	906.6
167.5°	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9	899.4	899.9
170°	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9	899.4	899.4
172.5°	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7	894.6	894.2
175°	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4	888.2	888.2
177.5°	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9	886.9	886.4
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2070.3	2064.6	2070.3	2066.5	2068.4	2062.7	2045.5	2039.8	2045.5	2051.2	2051.2
5°	2095.2	2091.4	2095.2	2095.2	2093.3	2089.4	2070.3	2066.5	2070.3	2072.3	2068.4
7.5°	2102.8	2097.1	2102.8	2099.0	2099.0	2095.2	2076.1	2072.3	2074.2	2079.9	2074.2
10°	2102.8	2097.1	2102.8	2100.9	2099.0	2095.2	2076.1	2068.4	2068.4	2074.2	2068.4
12.5°	2093.3	2089.4	2093.3	2089.4	2089.4	2085.6	2066.5	2058.9	2060.8	2062.7	2055.1
15°	2078.0	2072.3	2078.0	2074.2	2076.1	2070.3	2049.3	2041.7	2041.7	2045.5	2032.1
17.5°	2055.1	2047.4	2055.1	2053.2	2051.2	2047.4	2028.3	2020.7	2018.8	2020.7	2011.1
20°	2028.3	2022.6	2028.3	2026.4	2026.4	2018.8	1999.7	1990.1	1990.1	1990.1	1980.6
22.5°	1986.3	1980.6	1986.3	1990.1	1990.1	1988.2	1971.0	1957.7	1953.8	1953.8	1942.4
25°	1938.6	1932.8	1938.6	1938.6	1936.6	1938.6	1932.8	1925.2	1919.5	1913.7	1902.3
27.5°	1892.7	1888.9	1892.7	1888.9	1892.7	1887.0	1885.1	1883.2	1875.5	1869.8	1854.5
30°	1846.9	1843.1	1846.9	1843.1	1839.2	1835.4	1825.9	1822.0	1829.7	1825.9	1801.0
32.5°	1789.6	1785.8	1789.6	1789.6	1785.8	1785.8	1770.5	1764.7	1766.7	1778.1	1755.2
35°	1730.4	1724.6	1730.4	1728.5	1730.4	1724.6	1715.1	1713.2	1705.5	1718.9	1701.7
37.5°	1661.6	1655.9	1661.6	1661.6	1661.6	1665.4	1657.8	1652.1	1640.6	1657.8	1644.4
40°	1590.9	1583.3	1590.9	1589.0	1590.9	1594.8	1590.9	1587.1	1575.7	1589.0	1577.6
42.5°	1510.7	1508.8	1510.7	1512.6	1512.6	1520.3	1526.0	1518.4	1514.5	1505.0	1512.6
45°	1424.8	1420.9	1424.8	1428.6	1430.5	1434.3	1451.5	1451.5	1445.8	1430.5	1442.0
47.5°	1333.1	1323.5	1333.1	1344.5	1344.5	1350.3	1367.5	1380.8	1371.3	1352.2	1357.9
50°	1235.7	1237.6	1235.7	1243.3	1243.3	1264.3	1277.7	1291.1	1300.6	1277.7	1251.0
52.5°	1140.2	1138.4	1140.2	1145.9	1153.5	1163.1	1186.0	1199.4	1214.7	1201.3	1159.3
55°	1044.8	1048.6	1044.8	1046.7	1050.5	1056.2	1090.6	1104.0	1132.6	1115.4	1071.5
57.5°	949.3	943.5	949.3	953.1	955.0	960.7	989.4	1014.2	1031.4	1033.3	979.8
60°	838.5	830.8	838.5	855.7	859.5	863.3	890.1	913.0	928.3	934.0	878.6
62.5°	741.1	727.7	741.1	752.5	760.2	769.7	788.8	823.2	836.6	838.5	760.2
65°	637.9	632.2	637.9	660.9	662.8	674.2	695.2	720.1	748.7	744.9	632.2
67.5°	544.4	544.4	544.4	559.6	571.1	576.8	603.6	615.0	651.3	655.1	527.2
70°	458.4	456.5	458.4	469.9	477.5	490.9	515.7	529.1	557.7	567.3	427.8
72.5°	376.3	374.4	376.3	385.8	393.5	404.9	425.9	441.2	466.0	477.5	332.3
75°	303.7	299.9	303.7	311.3	309.4	324.7	341.9	357.2	380.1	387.7	246.4
77.5°	233.0	233.0	233.0	240.7	240.7	255.9	263.6	282.7	296.0	307.5	181.4
80°	173.8	171.9	173.8	175.7	175.7	183.4	196.7	210.1	221.6	221.6	124.2
82.5°	122.2	118.4	122.2	122.2	122.2	126.1	133.7	137.5	145.2	150.9	78.3
85°	76.4	76.4	76.4	78.3	76.4	80.2	82.1	86.0	86.0	82.1	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.8	45.8	45.8	43.9	42.0	26.7
90°	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7	26.1	16.6
92.5°	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5	160.7	114.3
95°	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5	395.3	222.6
97.5°	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4	532.5	244.6
100°	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5	582.5	262.9
102.5°	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4	605.3	281.2
105°	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7	622.3	308.5
107.5°	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3	625.4	348.8
110°	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3	620.7	371.2



TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2212.6	2303.2	2212.6	2122.2	2099.6	1755.0	1295.6	1065.8	917.5	620.8	398.4
115°	2154.0	2279.5	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3	626.6	439.3
117.5°	2029.6	2168.8	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6	638.3	479.0
120°	1929.4	2064.6	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9	647.7	502.0
122.5°	1831.7	1965.1	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3	661.3	529.4
125°	1692.5	1815.4	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6	679.7	564.2
127.5°	1567.2	1670.9	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5	698.1	598.0
130°	1493.3	1589.1	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9	711.5	620.5
132.5°	1426.4	1512.1	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6	722.4	638.9
135°	1334.6	1408.5	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9	734.2	660.2
137.5°	1261.0	1321.5	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0	752.0	687.4
140°	1210.6	1267.1	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9	762.8	705.7
142.5°	1168.6	1217.3	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9	771.9	719.4
145°	1105.9	1142.8	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9	783.8	740.1
147.5°	1057.7	1088.2	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7	801.1	766.2
150°	1027.4	1052.1	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7	810.1	779.8
152.5°	1001.4	1020.1	1001.4	982.8	978.1	942.4	894.7	871.0	852.6	816.0	788.6
155°	971.7	984.0	971.7	959.3	956.2	927.8	889.9	871.0	857.0	829.1	808.2
157.5°	948.1	956.8	948.1	939.4	937.2	915.2	885.7	871.0	861.3	842.1	827.7
160°	934.1	939.1	934.1	929.0	927.8	908.9	883.6	871.0	863.3	848.0	836.6
162.5°	924.8	929.6	924.8	920.0	918.9	903.0	881.7	871.0	865.4	854.4	846.1
165°	911.5	916.5	911.5	906.6	905.3	893.9	878.6	871.0	868.5	863.4	859.7
167.5°	902.0	904.1	902.0	899.9	899.4	891.9	881.8	876.9	874.8	870.6	867.4
170°	899.4	899.4	899.4	899.4	899.4	891.9	881.8	876.9	876.8	876.5	876.3
172.5°	892.4	890.5	892.4	894.2	894.6	888.7	880.8	876.9	876.9	876.9	876.9
175°	888.2	888.2	888.2	888.2	888.2	884.4	879.4	876.9	878.0	880.4	882.2
177.5°	884.3	882.2	884.3	886.4	886.9	883.9	880.0	878.0	879.0	880.8	882.2
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2047.4	2036.0	2036.0	2016.9	2009.2	2003.5	1993.9	1965.3	1957.7	1950.0	1961.5
5°	2064.6	2043.6	2028.3	1993.9	1965.3	1953.8	1917.5	1848.8	1802.9	1768.6	1749.5
7.5°	2068.4	2041.7	2013.0	1959.6	1890.8	1860.2	1749.5	1623.4	1589.0	1558.5	1539.4
10°	2064.6	2034.1	1993.9	1913.7	1751.4	1697.9	1587.1	1505.0	1484.0	1478.2	1484.0
12.5°	2051.2	2022.6	1967.2	1833.5	1606.2	1569.9	1505.0	1457.2	1453.4	1463.0	1514.5
15°	2028.3	2001.6	1936.6	1726.5	1526.0	1499.3	1453.4	1436.2	1457.2	1524.1	1678.8
17.5°	2005.4	1974.8	1894.6	1621.5	1464.9	1445.8	1413.3	1447.7	1566.1	1655.9	1707.4
20°	1974.8	1938.6	1846.9	1545.1	1420.9	1403.8	1388.5	1543.2	1633.0	1665.4	1694.1
22.5°	1938.6	1900.4	1781.9	1491.6	1375.1	1361.7	1371.3	1596.7	1633.0	1655.9	1680.7
25°	1890.8	1858.3	1705.5	1449.6	1338.8	1323.5	1359.8	1590.9	1611.9	1617.7	1667.3
27.5°	1846.9	1804.9	1625.3	1411.4	1294.9	1289.2	1369.4	1566.1	1581.4	1587.1	1640.6
30°	1793.4	1730.4	1535.5	1371.3	1249.0	1247.1	1371.3	1535.5	1531.7	1547.0	1600.5
32.5°	1738.0	1619.6	1434.3	1321.6	1205.1	1203.2	1357.9	1489.7	1485.9	1506.9	1547.0
35°	1686.4	1533.6	1296.8	1264.3	1149.7	1151.6	1325.4	1436.2	1438.1	1457.2	1482.1
37.5°	1633.0	1459.1	1145.9	1201.3	1096.3	1096.3	1281.5	1386.6	1382.7	1388.5	1422.9
40°	1569.9	1342.6	1012.3	1119.3	1046.7	1041.0	1228.0	1333.1	1319.7	1317.8	1365.6
42.5°	1503.1	1214.7	913.0	1010.4	989.4	981.7	1163.1	1268.1	1243.3	1249.0	1310.2
45°	1430.5	1180.3	836.6	853.8	930.2	924.4	1092.5	1193.7	1176.5	1191.7	1254.8
47.5°	1357.9	1111.6	811.8	708.6	867.1	865.2	1014.2	1121.2	1111.6	1126.9	1193.7
50°	1258.6	1035.2	809.8	607.4	796.5	804.1	920.6	1050.5	1050.5	1063.9	1134.5
52.5°	1130.7	941.6	735.4	550.1	714.3	737.3	838.5	989.4	993.2	1006.6	1069.6
55°	1014.2	844.2	681.9	506.2	616.9	666.6	758.3	926.4	934.0	947.4	1004.7
57.5°	907.2	702.9	670.4	454.6	527.2	574.9	687.6	865.2	869.0	880.5	935.9
60°	792.6	508.1	615.0	399.2	448.8	485.1	622.7	792.6	806.0	813.7	861.4
62.5°	662.8	368.6	557.7	361.0	410.6	418.3	569.2	723.9	741.1	746.8	775.5
65°	471.8	309.4	473.7	328.5	370.5	372.4	511.9	653.2	668.5	678.0	699.1
67.5°	319.0	252.1	361.0	298.0	340.0	341.9	456.5	571.1	592.1	599.7	613.1
70°	221.6	168.1	267.4	265.5	305.6	309.4	397.3	496.6	515.7	521.4	529.1
72.5°	162.4	135.6	221.6	238.8	269.3	273.1	336.2	412.6	431.7	437.4	441.2
75°	124.2	143.2	179.5	208.2	229.2	231.1	275.0	336.2	349.5	353.3	355.3
77.5°	99.3	133.7	131.8	168.1	187.2	183.4	215.8	259.8	271.2	271.2	271.2
80°	74.5	105.0	99.3	120.3	137.5	133.7	154.7	185.3	189.1	192.9	191.0
82.5°	55.4	66.8	66.8	76.4	91.7	87.9	103.1	120.3	120.3	120.3	124.2
85°	34.4	38.2	30.6	40.1	51.6	49.7	57.3	64.9	66.8	66.8	63.0
87.5°	21.0	17.2	9.5	15.3	22.9	22.9	26.7	28.6	26.7	26.7	26.7
90°	15.5	10.7	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0
92.5°	104.3	64.0	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5
95°	204.2	130.5	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5
97.5°	228.3	163.3	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2
100°	248.2	189.2	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5
102.5°	267.5	212.5	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1
105°	296.8	250.3	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7
107.5°	337.9	294.5	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2
110°	361.4	322.2	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	389.1	351.7	314.4	351.7	389.1	398.4	620.8	917.5	1065.8	1295.6	1755.0
115°	430.7	396.2	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1
117.5°	471.2	439.9	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0
120°	494.7	465.2	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6
122.5°	521.9	492.2	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5
125°	557.4	530.4	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4
127.5°	591.1	563.8	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7
130°	613.1	583.6	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6
132.5°	631.5	602.0	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9
135°	653.5	626.6	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2
137.5°	680.7	654.2	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9
140°	699.6	675.2	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1
142.5°	713.8	691.1	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8
145°	735.2	715.5	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9
147.5°	761.4	742.1	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0
150°	775.5	758.1	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6
152.5°	785.4	772.2	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4
155°	805.7	796.0	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8
157.5°	825.3	815.9	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2
160°	834.8	827.4	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9
162.5°	844.7	839.2	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0
165°	858.4	853.4	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9
167.5°	866.9	864.5	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9
170°	875.7	873.3	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9
172.5°	876.8	876.2	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7
175°	882.2	882.2	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4
177.5°	882.2	882.2	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1948.1	1942.4	1950.0	1929.0	1950.0	1942.4	1948.1	1961.5	1950.0	1957.7	1965.3
5°	1709.4	1699.8	1669.2	1644.4	1669.2	1699.8	1709.4	1749.5	1768.6	1802.9	1848.8
7.5°	1527.9	1520.3	1512.6	1497.3	1512.6	1520.3	1527.9	1539.4	1558.5	1589.0	1623.4
10°	1487.8	1489.7	1501.2	1499.3	1501.2	1489.7	1487.8	1484.0	1478.2	1484.0	1505.0
12.5°	1590.9	1608.1	1671.2	1667.3	1671.2	1608.1	1590.9	1514.5	1463.0	1453.4	1457.2
15°	1709.4	1715.1	1728.5	1730.4	1728.5	1715.1	1709.4	1678.8	1524.1	1457.2	1436.2
17.5°	1720.8	1722.7	1732.3	1732.3	1732.3	1722.7	1720.8	1707.4	1655.9	1566.1	1447.7
20°	1711.3	1715.1	1734.2	1738.0	1734.2	1715.1	1711.3	1694.1	1665.4	1633.0	1543.2
22.5°	1707.4	1715.1	1730.4	1728.5	1730.4	1715.1	1707.4	1680.7	1655.9	1633.0	1596.7
25°	1688.3	1688.3	1690.3	1692.2	1690.3	1688.3	1688.3	1667.3	1617.7	1611.9	1590.9
27.5°	1648.2	1652.1	1663.5	1661.6	1663.5	1652.1	1648.2	1640.6	1587.1	1581.4	1566.1
30°	1611.9	1608.1	1598.6	1590.9	1598.6	1608.1	1611.9	1600.5	1547.0	1531.7	1535.5
32.5°	1550.8	1541.3	1531.7	1526.0	1531.7	1541.3	1550.8	1547.0	1506.9	1485.9	1489.7
35°	1478.2	1480.2	1478.2	1472.5	1478.2	1480.2	1478.2	1482.1	1457.2	1438.1	1436.2
37.5°	1426.7	1430.5	1428.6	1420.9	1428.6	1430.5	1426.7	1422.9	1388.5	1382.7	1386.6
40°	1373.2	1375.1	1373.2	1367.5	1373.2	1375.1	1373.2	1365.6	1317.8	1319.7	1333.1
42.5°	1321.6	1319.7	1314.0	1310.2	1314.0	1319.7	1321.6	1310.2	1249.0	1243.3	1268.1
45°	1262.4	1264.3	1252.9	1247.1	1252.9	1264.3	1262.4	1254.8	1191.7	1176.5	1193.7
47.5°	1203.2	1203.2	1193.7	1187.9	1193.7	1203.2	1203.2	1193.7	1126.9	1111.6	1121.2
50°	1140.2	1138.4	1125.0	1123.1	1125.0	1138.4	1140.2	1134.5	1063.9	1050.5	1050.5
52.5°	1067.7	1067.7	1069.6	1073.4	1069.6	1067.7	1067.7	1069.6	1006.6	993.2	989.4
55°	1004.7	1006.6	1019.9	1023.8	1019.9	1006.6	1004.7	1004.7	947.4	934.0	926.4
57.5°	939.7	939.7	949.3	949.3	949.3	939.7	939.7	935.9	880.5	869.0	865.2
60°	865.2	869.0	876.7	874.8	876.7	869.0	865.2	861.4	813.7	806.0	792.6
62.5°	786.9	790.7	792.6	788.8	792.6	790.7	786.9	775.5	746.8	741.1	723.9
65°	704.8	708.6	710.5	706.7	710.5	708.6	704.8	699.1	678.0	668.5	653.2
67.5°	620.8	618.8	616.9	624.6	616.9	618.8	620.8	613.1	599.7	592.1	571.1
70°	534.8	534.8	532.9	536.7	532.9	534.8	534.8	529.1	521.4	515.7	496.6
72.5°	443.1	441.2	448.8	443.1	448.8	441.2	443.1	441.2	437.4	431.7	412.6
75°	353.3	357.2	353.3	359.1	353.3	357.2	353.3	355.3	353.3	349.5	336.2
77.5°	269.3	273.1	269.3	269.3	269.3	273.1	269.3	271.2	271.2	271.2	259.8
80°	191.0	189.1	189.1	187.2	189.1	189.1	191.0	191.0	192.9	189.1	185.3
82.5°	122.2	120.3	120.3	124.2	120.3	120.3	122.2	124.2	120.3	120.3	120.3
85°	66.8	68.8	64.9	64.9	64.9	68.8	66.8	63.0	66.8	66.8	64.9
87.5°	24.8	22.9	22.9	22.9	22.9	22.9	24.8	26.7	26.7	26.7	28.6
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7
92.5°	112.5	108.0	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5
95°	381.9	368.3	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5
97.5°	881.7	855.9	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4
100°	1238.1	1207.3	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5
102.5°	1542.4	1516.1	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4
105°	1897.6	1883.5	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7
107.5°	2082.4	2085.8	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3
110°	2129.7	2144.5	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2099.6	2122.2	2212.6	2303.2	2212.6	2122.2	2099.6	1755.0	1295.6	1065.8	917.5
115°	1997.1	2028.5	2154.0	2279.5	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3
117.5°	1855.6	1890.3	2029.6	2168.8	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6
120°	1760.3	1794.1	1929.4	2064.6	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9
122.5°	1664.9	1698.3	1831.7	1965.1	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3
125°	1538.8	1569.5	1692.5	1815.4	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6
127.5°	1437.6	1463.4	1567.2	1670.9	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5
130°	1373.7	1397.6	1493.3	1589.1	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9
132.5°	1319.1	1340.6	1426.4	1512.1	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6
135°	1242.2	1260.7	1334.6	1408.5	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9
137.5°	1185.3	1200.4	1261.0	1321.5	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0
140°	1139.8	1153.9	1210.6	1267.1	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9
142.5°	1107.8	1119.9	1168.6	1217.3	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9
145°	1059.9	1069.0	1105.9	1142.8	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9
147.5°	1019.6	1027.2	1057.7	1088.2	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7
150°	996.4	1002.7	1027.4	1052.1	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7
152.5°	978.1	982.8	1001.4	1020.1	1001.4	982.8	978.1	942.4	894.7	871.0	852.6
155°	956.2	959.3	971.7	984.0	971.7	959.3	956.2	927.8	889.9	871.0	857.0
157.5°	937.2	939.4	948.1	956.8	948.1	939.4	937.2	915.2	885.7	871.0	861.3
160°	927.8	929.0	934.1	939.1	934.1	929.0	927.8	908.9	883.6	871.0	863.3
162.5°	918.9	920.0	924.8	929.6	924.8	920.0	918.9	903.0	881.7	871.0	865.4
165°	905.3	906.6	911.5	916.5	911.5	906.6	905.3	893.9	878.6	871.0	868.5
167.5°	899.4	899.9	902.0	904.1	902.0	899.9	899.4	891.9	881.8	876.9	874.8
170°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	891.9	881.8	876.9	876.8
172.5°	894.6	894.2	892.4	890.5	892.4	894.2	894.6	888.7	880.8	876.9	876.9
175°	888.2	888.2	888.2	888.2	888.2	888.2	888.2	884.4	879.4	876.9	878.0
177.5°	886.9	886.4	884.3	882.2	884.3	886.4	886.9	883.9	880.0	878.0	879.0
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1993.9	2003.5	2009.2	2016.9	2036.0
5°	1917.5	1953.8	1965.3	1993.9	2028.3
7.5°	1749.5	1860.2	1890.8	1959.6	2013.0
10°	1587.1	1697.9	1751.4	1913.7	1993.9
12.5°	1505.0	1569.9	1606.2	1833.5	1967.2
15°	1453.4	1499.3	1526.0	1726.5	1936.6
17.5°	1413.3	1445.8	1464.9	1621.5	1894.6
20°	1388.5	1403.8	1420.9	1545.1	1846.9
22.5°	1371.3	1361.7	1375.1	1491.6	1781.9
25°	1359.8	1323.5	1338.8	1449.6	1705.5
27.5°	1369.4	1289.2	1294.9	1411.4	1625.3
30°	1371.3	1247.1	1249.0	1371.3	1535.5
32.5°	1357.9	1203.2	1205.1	1321.6	1434.3
35°	1325.4	1151.6	1149.7	1264.3	1296.8
37.5°	1281.5	1096.3	1096.3	1201.3	1145.9
40°	1228.0	1041.0	1046.7	1119.3	1012.3
42.5°	1163.1	981.7	989.4	1010.4	913.0
45°	1092.5	924.4	930.2	853.8	836.6
47.5°	1014.2	865.2	867.1	708.6	811.8
50°	920.6	804.1	796.5	607.4	809.8
52.5°	838.5	737.3	714.3	550.1	735.4
55°	758.3	666.6	616.9	506.2	681.9
57.5°	687.6	574.9	527.2	454.6	670.4
60°	622.7	485.1	448.8	399.2	615.0
62.5°	569.2	418.3	410.6	361.0	557.7
65°	511.9	372.4	370.5	328.5	473.7
67.5°	456.5	341.9	340.0	298.0	361.0
70°	397.3	309.4	305.6	265.5	267.4
72.5°	336.2	273.1	269.3	238.8	221.6
75°	275.0	231.1	229.2	208.2	179.5
77.5°	215.8	183.4	187.2	168.1	131.8
80°	154.7	133.7	137.5	120.3	99.3
82.5°	103.1	87.9	91.7	76.4	66.8
85°	57.3	49.7	51.6	40.1	30.6
87.5°	26.7	22.9	22.9	15.3	9.5
90°	26.1	16.6	15.5	10.7	5.9
92.5°	160.7	114.3	104.3	64.0	23.7
95°	395.3	222.6	204.2	130.5	56.8
97.5°	532.5	244.6	228.3	163.3	98.3
100°	582.5	262.9	248.2	189.2	130.3
102.5°	605.3	281.2	267.5	212.5	157.5
105°	622.3	308.5	296.8	250.3	203.7
107.5°	625.4	348.8	337.9	294.5	251.1
110°	620.7	371.2	361.4	322.2	283.1

TEST NUMBER: P934804

CATALOG NUMBER: SQ4-FA-075U-075D-B40-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	620.8	398.4	389.1	351.7	314.4
115°	626.6	439.3	430.7	396.2	361.8
117.5°	638.3	479.0	471.2	439.9	408.5
120°	647.7	502.0	494.7	465.2	435.8
122.5°	661.3	529.4	521.9	492.2	462.4
125°	679.7	564.2	557.4	530.4	503.3
127.5°	698.1	598.0	591.1	563.8	536.4
130°	711.5	620.5	613.1	583.6	554.2
132.5°	722.4	638.9	631.5	602.0	572.5
135°	734.2	660.2	653.5	626.6	599.7
137.5°	752.0	687.4	680.7	654.2	627.6
140°	762.8	705.7	699.6	675.2	650.7
142.5°	771.9	719.4	713.8	691.1	668.5
145°	783.8	740.1	735.2	715.5	695.7
147.5°	801.1	766.2	761.4	742.1	722.9
150°	810.1	779.8	775.5	758.1	740.7
152.5°	816.0	788.6	785.4	772.2	759.0
155°	829.1	808.2	805.7	796.0	786.3
157.5°	842.1	827.7	825.3	815.9	806.4
160°	848.0	836.6	834.8	827.4	820.1
162.5°	854.4	846.1	844.7	839.2	833.6
165°	863.4	859.7	858.4	853.4	848.4
167.5°	870.6	867.4	866.9	864.5	862.1
170°	876.5	876.3	875.7	873.3	871.0
172.5°	876.9	876.9	876.8	876.2	875.7
175°	880.4	882.2	882.2	882.2	882.2
177.5°	880.8	882.2	882.2	882.2	882.2
180°	882.2	882.2	882.2	882.2	882.2

(END OF REPORT)