

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: P934401

Luminaire Tested: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934401
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

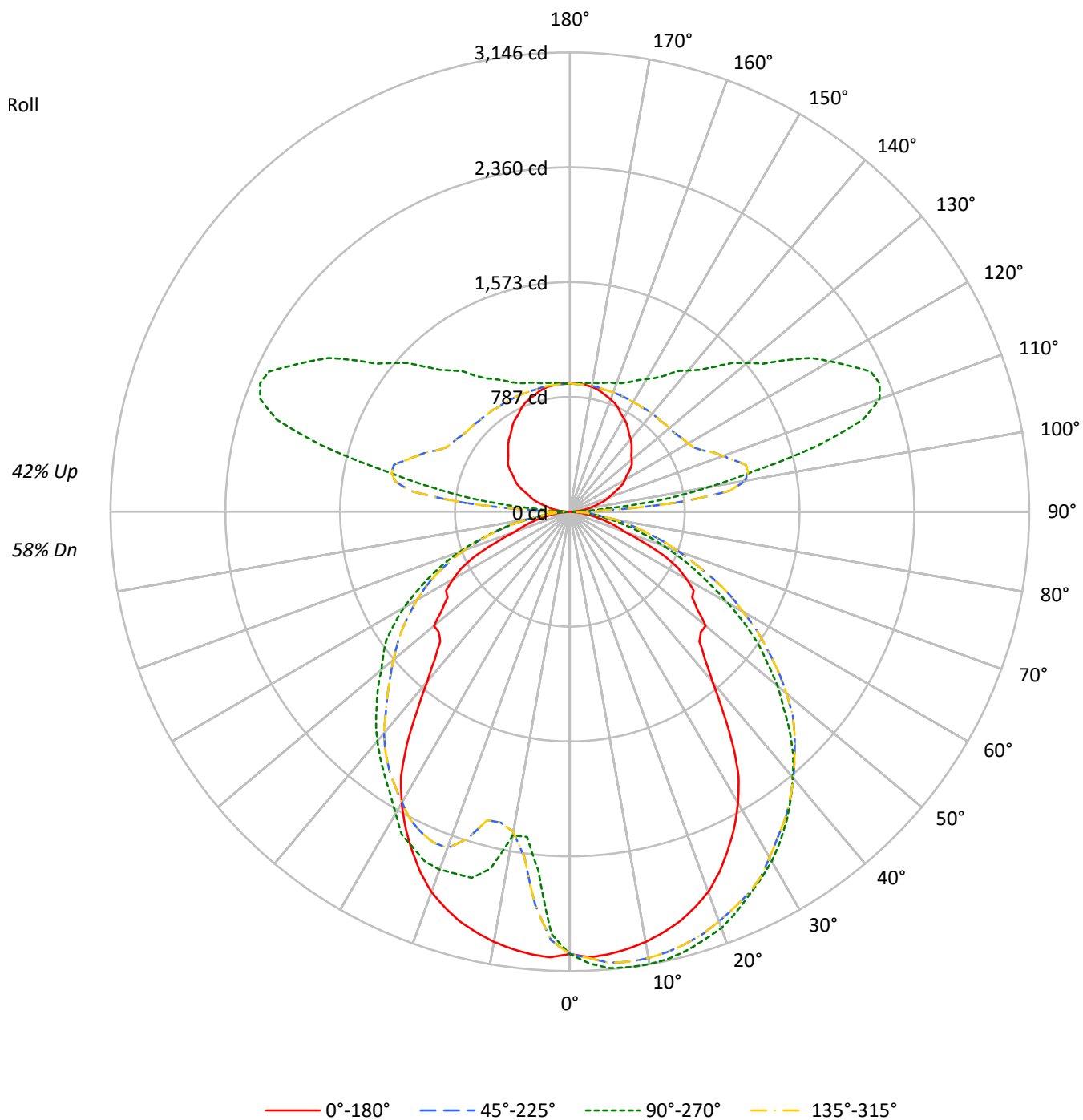
Lumens per Lamp: N/A
Luminaire Lumens: 13559.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 109.2
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: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

Luminous Intensity Polar Plot



TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9440	9456	9440	7435
10°	9381	9314	9381	6659
15°	9282	9112	9282	7609
20°	9092	8873	9092	7625
25°	8698	8525	8698	7463
30°	8188	8235	8188	7108
35°	7303	7869	7303	6719
40°	6088	7438	6088	6424
45°	5444	6933	5444	6085
50°	5788	6332	5788	5745
55°	5451	5683	5451	5548
60°	5626	4827	5626	5082
65°	5109	3990	5109	4460
70°	3546	3180	3546	3739
75°	3121	2351	3121	2815
80°	2534	1554	2534	1692
85°	1484	823	1484	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8338 cd/sqm

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	2.0
10°-20°	776.2	5.7
20°-30°	1199.8	8.8
30°-40°	1432.3	10.6
40°-50°	1440.7	10.6
50°-60°	1253.5	9.2
60°-70°	888.8	6.6
70°-80°	470.2	3.5
80°-90°	120.5	0.9
90°-100°	428.9	3.2
100°-110°	1127.5	8.3
110°-120°	1169.1	8.6
120°-130°	937.8	6.9
130°-140°	735.9	5.4
140°-150°	564.8	4.2
150°-160°	406.7	3.0
160°-170°	248.9	1.8
170°-180°	84.1	0.6
0°-30°	2249.3	16.6
0°-40°	3681.6	27.2
0°-60°	6375.8	47.0
0°-90°	7855.3	57.9
90°-120°	2725.5	20.1
90°-150°	4964.0	36.6
90°-180°	5704.0	42.1
0°-180°	13559.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3028	3028	3028	3028	3028	
5°	3043	3137	3043	2467	3043	289
15°	2905	3109	2905	2596	2905	817
25°	2558	2900	2558	2538	2558	1175
35°	1945	2587	1945	2209	1945	1204
45°	1255	2132	1255	1871	1255	1005
55°	1023	1573	1023	1536	1023	940
65°	710	948	710	1060	710	679
75°	269	450	269	539	269	283
85°	46	115	46	97	46	62
90°	6	22	6	22	6	7
95°	57	259	57	259	57	63
105°	203	1766	203	1766	203	215
115°	361	2274	361	2274	361	356
125°	502	1810	502	1810	502	446
135°	598	1405	598	1405	598	463
145°	694	1140	694	1140	694	435
155°	784	982	784	982	784	360
165°	846	914	846	914	846	239
175°	880	886	880	886	880	84
180°	880	880	880	880	880	

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3054.2	3054.2	3071.4	3077.1	3077.1	3068.5	3059.9	3068.5	3094.3	3102.9	3100.0
5°	3042.7	3065.6	3097.2	3102.9	3108.6	3105.8	3100.0	3105.8	3134.4	3140.1	3143.0
7.5°	3019.8	3062.8	3102.9	3111.5	3120.1	3111.5	3108.6	3114.4	3143.0	3148.7	3148.7
10°	2991.2	3051.3	3097.2	3102.9	3111.5	3102.9	3102.9	3114.4	3143.0	3148.7	3151.6
12.5°	2951.0	3034.1	3077.1	3082.8	3094.3	3091.4	3088.6	3100.0	3128.7	3134.4	3134.4
15°	2905.2	3002.6	3042.7	3048.5	3068.5	3062.8	3062.8	3074.2	3105.8	3114.4	3111.5
17.5°	2842.2	2962.5	3008.3	3016.9	3031.3	3028.4	3031.3	3042.7	3071.4	3077.1	3080.0
20°	2770.6	2908.1	2962.5	2971.1	2985.4	2985.4	2985.4	2999.8	3028.4	3039.9	3039.9
22.5°	2673.1	2850.8	2908.1	2913.8	2931.0	2931.0	2936.7	2956.8	2982.6	2985.4	2985.4
25°	2558.5	2787.7	2836.4	2853.6	2870.8	2879.4	2888.0	2899.5	2908.1	2905.2	2908.1
27.5°	2438.1	2707.5	2770.6	2782.0	2804.9	2813.5	2825.0	2827.9	2830.7	2839.3	2833.6
30°	2303.5	2595.8	2690.3	2701.8	2739.0	2744.8	2733.3	2739.0	2753.4	2759.1	2764.8
32.5°	2151.6	2429.5	2607.2	2633.0	2667.4	2650.2	2647.4	2656.0	2678.9	2678.9	2684.6
35°	1945.3	2300.6	2529.9	2552.8	2578.6	2558.5	2570.0	2572.9	2587.2	2595.8	2592.9
37.5°	1719.0	2188.9	2449.6	2466.8	2486.8	2461.0	2478.2	2486.8	2498.3	2492.5	2492.5
40°	1518.4	2014.1	2355.0	2366.5	2383.7	2363.6	2380.8	2386.5	2392.3	2386.5	2383.7
42.5°	1369.5	1822.1	2254.8	2269.1	2257.6	2271.9	2277.7	2289.1	2280.5	2269.1	2269.1
45°	1254.9	1770.6	2145.9	2163.1	2145.9	2168.8	2177.4	2177.4	2151.6	2145.9	2143.0
47.5°	1217.6	1667.4	2037.0	2037.0	2028.4	2057.1	2071.4	2051.3	2025.6	2017.0	2017.0
50°	1214.8	1552.8	1888.0	1876.6	1916.7	1951.1	1936.7	1916.7	1896.6	1865.1	1865.1
52.5°	1103.0	1412.4	1696.1	1739.1	1802.1	1822.1	1799.2	1779.2	1744.8	1730.5	1719.0
55°	1022.8	1266.3	1521.3	1607.3	1673.2	1698.9	1656.0	1635.9	1584.3	1575.8	1570.0
57.5°	1005.6	1054.3	1360.9	1469.7	1550.0	1547.1	1521.3	1484.1	1441.1	1432.5	1429.6
60°	922.5	762.1	1189.0	1317.9	1401.0	1392.4	1369.5	1335.1	1295.0	1289.2	1283.5
62.5°	836.6	552.9	994.2	1140.3	1257.7	1254.9	1234.8	1183.2	1154.6	1140.3	1128.8
65°	710.5	464.1	707.7	948.3	1117.4	1123.1	1080.1	1042.9	1011.3	994.2	991.3
67.5°	541.5	378.2	478.5	790.7	982.7	977.0	922.5	905.3	865.2	856.6	839.4
70°	401.1	252.1	332.3	641.8	850.9	836.6	793.6	773.6	736.3	716.2	704.8
72.5°	332.3	203.4	243.5	498.5	716.2	699.1	661.8	638.9	607.4	590.2	578.7
75°	269.3	214.9	186.2	369.6	581.6	570.1	535.8	512.8	487.0	464.1	467.0
77.5°	197.7	200.5	149.0	272.2	461.3	444.1	424.0	395.4	383.9	361.0	361.0
80°	149.0	157.6	111.7	186.2	332.3	332.3	315.2	295.1	275.0	263.6	263.6
82.5°	100.3	100.3	83.1	117.5	226.3	217.7	206.3	200.5	189.1	183.4	183.4
85°	45.8	57.3	51.6	71.6	123.2	128.9	128.9	123.2	120.3	114.6	117.5
87.5°	14.3	25.8	31.5	40.1	63.0	65.9	68.8	68.8	68.8	71.6	71.6
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9	22.4	22.4
92.5°	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0	112.2	107.7
95°	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1	380.9	367.3
97.5°	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6	879.3	853.6
100°	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2	1234.7	1204.1
102.5°	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1	1538.2	1512.0
105°	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2	1892.5	1878.4
107.5°	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5	2076.8	2080.3
110°	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2	2124.0	2138.7

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2	2093.9	2116.5
115°	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6	1991.7	2023.1
117.5°	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8	1850.6	1885.3
120°	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5	1755.6	1789.3
122.5°	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6	1660.5	1693.7
125°	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8	1534.7	1565.3
127.5°	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4	1433.7	1459.6
130°	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4	1369.9	1393.8
132.5°	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7	1315.6	1337.0
135°	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3	1238.9	1257.4
137.5°	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1	1182.2	1197.3
140°	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4	1136.7	1150.9
142.5°	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1	1104.8	1117.0
145°	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3	1057.0	1066.2
147.5°	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5	1016.9	1024.5
150°	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0	993.8	1000.0
152.5°	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9	975.5	980.2
155°	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3	953.7	956.7
157.5°	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7	934.8	937.0
160°	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4	925.3	926.5
162.5°	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5	916.4	917.6
165°	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5	902.9	904.1
167.5°	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5	896.9	897.5
170°	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5	896.9	896.9
172.5°	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3	892.3	891.8
175°	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0	885.8	885.8
177.5°	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7	884.6	884.0
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3105.8	3097.2	3105.8	3100.0	3102.9	3094.3	3068.5	3059.9	3068.5	3077.1	3077.1
5°	3143.0	3137.3	3143.0	3143.0	3140.1	3134.4	3105.8	3100.0	3105.8	3108.6	3102.9
7.5°	3154.5	3145.9	3154.5	3148.7	3148.7	3143.0	3114.4	3108.6	3111.5	3120.1	3111.5
10°	3154.5	3145.9	3154.5	3151.6	3148.7	3143.0	3114.4	3102.9	3102.9	3111.5	3102.9
12.5°	3140.1	3134.4	3140.1	3134.4	3134.4	3128.7	3100.0	3088.6	3091.4	3094.3	3082.8
15°	3117.2	3108.6	3117.2	3111.5	3114.4	3105.8	3074.2	3062.8	3062.8	3068.5	3048.5
17.5°	3082.8	3071.4	3082.8	3080.0	3077.1	3071.4	3042.7	3031.3	3028.4	3031.3	3016.9
20°	3042.7	3034.1	3042.7	3039.9	3039.9	3028.4	2999.8	2985.4	2985.4	2985.4	2971.1
22.5°	2979.7	2971.1	2979.7	2985.4	2985.4	2982.6	2956.8	2936.7	2931.0	2931.0	2913.8
25°	2908.1	2899.5	2908.1	2908.1	2905.2	2908.1	2899.5	2888.0	2879.4	2870.8	2853.6
27.5°	2839.3	2833.6	2839.3	2833.6	2839.3	2830.7	2827.9	2825.0	2813.5	2804.9	2782.0
30°	2770.6	2764.8	2770.6	2764.8	2759.1	2753.4	2739.0	2733.3	2744.8	2739.0	2701.8
32.5°	2684.6	2678.9	2684.6	2684.6	2678.9	2678.9	2656.0	2647.4	2650.2	2667.4	2633.0
35°	2595.8	2587.2	2595.8	2592.9	2595.8	2587.2	2572.9	2570.0	2558.5	2578.6	2552.8
37.5°	2492.5	2484.0	2492.5	2492.5	2492.5	2498.3	2486.8	2478.2	2461.0	2486.8	2466.8
40°	2386.5	2375.1	2386.5	2383.7	2386.5	2392.3	2386.5	2380.8	2363.6	2383.7	2366.5
42.5°	2266.2	2263.4	2266.2	2269.1	2269.1	2280.5	2289.1	2277.7	2271.9	2257.6	2269.1
45°	2137.3	2131.6	2137.3	2143.0	2145.9	2151.6	2177.4	2177.4	2168.8	2145.9	2163.1
47.5°	1999.8	1985.4	1999.8	2017.0	2017.0	2025.6	2051.3	2071.4	2057.1	2028.4	2037.0
50°	1853.7	1856.5	1853.7	1865.1	1865.1	1896.6	1916.7	1936.7	1951.1	1916.7	1876.6
52.5°	1710.4	1707.5	1710.4	1719.0	1730.5	1744.8	1779.2	1799.2	1822.1	1802.1	1739.1
55°	1567.2	1572.9	1567.2	1570.0	1575.8	1584.3	1635.9	1656.0	1698.9	1673.2	1607.3
57.5°	1423.9	1415.3	1423.9	1429.6	1432.5	1441.1	1484.1	1521.3	1547.1	1550.0	1469.7
60°	1257.7	1246.3	1257.7	1283.5	1289.2	1295.0	1335.1	1369.5	1392.4	1401.0	1317.9
62.5°	1111.6	1091.6	1111.6	1128.8	1140.3	1154.6	1183.2	1234.8	1254.9	1257.7	1140.3
65°	956.9	948.3	956.9	991.3	994.2	1011.3	1042.9	1080.1	1123.1	1117.4	948.3
67.5°	816.5	816.5	816.5	839.4	856.6	865.2	905.3	922.5	977.0	982.7	790.7
70°	687.6	684.7	687.6	704.8	716.2	736.3	773.6	793.6	836.6	850.9	641.8
72.5°	564.4	561.5	564.4	578.7	590.2	607.4	638.9	661.8	699.1	716.2	498.5
75°	455.5	449.8	455.5	467.0	464.1	487.0	512.8	535.8	570.1	581.6	369.6
77.5°	349.5	349.5	349.5	361.0	361.0	383.9	395.4	424.0	444.1	461.3	272.2
80°	260.7	257.8	260.7	263.6	263.6	275.0	295.1	315.2	332.3	332.3	186.2
82.5°	183.4	177.6	183.4	183.4	183.4	189.1	200.5	206.3	217.7	226.3	117.5
85°	114.6	114.6	114.6	117.5	114.6	120.3	123.2	128.9	128.9	123.2	71.6
87.5°	74.5	71.6	74.5	71.6	71.6	68.8	68.8	68.8	65.9	63.0	40.1
90°	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6	26.0	16.5
92.5°	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8	160.2	113.9
95°	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9	394.2	222.0
97.5°	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9	531.1	243.9
100°	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7	580.8	262.1
102.5°	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6	603.7	280.5
105°	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9	620.6	307.6
107.5°	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8	623.8	347.8
110°	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8	619.0	370.3

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0	619.2	397.4
115°	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0	625.0	438.2
117.5°	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3	636.5	477.7
120°	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7	646.0	500.7
122.5°	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1	659.6	527.9
125°	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4	678.0	562.8
127.5°	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2	696.2	596.4
130°	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6	709.6	618.8
132.5°	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4	720.5	637.2
135°	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7	732.2	658.4
137.5°	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8	750.0	685.6
140°	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6	760.8	703.8
142.5°	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6	769.8	717.5
145°	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6	781.7	738.1
147.5°	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5	799.0	764.1
150°	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4	808.0	777.7
152.5°	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4	813.9	786.5
155°	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7	826.9	806.0
157.5°	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1	839.9	825.5
160°	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0	845.8	834.4
162.5°	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1	852.1	843.8
165°	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2	861.1	857.4
167.5°	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4	868.2	865.0
170°	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4	874.1	873.9
172.5°	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6	878.0	879.8
177.5°	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7	878.5	879.8
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3071.4	3054.2	3054.2	3025.5	3014.1	3005.5	2991.2	2948.2	2936.7	2925.3	2942.5
5°	3097.2	3065.6	3042.7	2991.2	2948.2	2931.0	2876.6	2773.4	2704.7	2653.1	2624.4
7.5°	3102.9	3062.8	3019.8	2939.6	2836.4	2790.6	2624.4	2435.2	2383.7	2337.8	2309.2
10°	3097.2	3051.3	2991.2	2870.8	2627.3	2547.1	2380.8	2257.6	2226.1	2217.5	2226.1
12.5°	3077.1	3034.1	2951.0	2750.5	2409.5	2355.0	2257.6	2186.0	2180.3	2194.6	2271.9
15°	3042.7	3002.6	2905.2	2590.1	2289.1	2249.0	2180.3	2154.5	2186.0	2286.3	2518.3
17.5°	3008.3	2962.5	2842.2	2432.4	2197.5	2168.8	2120.1	2171.7	2349.3	2484.0	2561.4
20°	2962.5	2908.1	2770.6	2317.8	2131.6	2105.8	2082.9	2314.9	2449.6	2498.3	2541.4
22.5°	2908.1	2850.8	2673.1	2237.6	2062.8	2042.7	2057.1	2395.1	2449.6	2484.0	2521.2
25°	2836.4	2787.7	2558.5	2174.5	2008.4	1985.4	2039.9	2386.5	2418.1	2426.7	2501.1
27.5°	2770.6	2707.5	2438.1	2117.2	1942.5	1933.9	2054.2	2349.3	2372.2	2380.8	2461.0
30°	2690.3	2595.8	2303.5	2057.1	1873.7	1870.8	2057.1	2303.5	2297.7	2320.6	2400.9
32.5°	2607.2	2429.5	2151.6	1982.6	1807.8	1805.0	2037.0	2234.7	2229.0	2260.5	2320.6
35°	2529.9	2300.6	1945.3	1896.6	1724.7	1727.6	1988.3	2154.5	2157.3	2186.0	2223.2
37.5°	2449.6	2188.9	1719.0	1802.1	1644.5	1644.5	1922.4	2080.0	2074.3	2082.9	2134.4
40°	2355.0	2014.1	1518.4	1678.9	1570.0	1561.4	1842.2	1999.8	1979.7	1976.8	2048.5
42.5°	2254.8	1822.1	1369.5	1515.6	1484.1	1472.6	1744.8	1902.4	1865.1	1873.7	1965.4
45°	2145.9	1770.6	1254.9	1280.7	1395.3	1386.7	1638.8	1790.6	1764.8	1787.8	1882.3
47.5°	2037.0	1667.4	1217.6	1062.9	1300.7	1297.8	1521.3	1681.8	1667.4	1690.4	1790.6
50°	1888.0	1552.8	1214.8	911.1	1194.7	1206.2	1380.9	1575.8	1575.8	1595.8	1701.8
52.5°	1696.1	1412.4	1103.0	825.1	1071.5	1105.9	1257.7	1484.1	1489.8	1509.9	1604.4
55°	1521.3	1266.3	1022.8	759.2	925.4	999.9	1137.4	1389.5	1401.0	1421.0	1507.0
57.5°	1360.9	1054.3	1005.6	681.9	790.7	862.4	1031.4	1297.8	1303.6	1320.8	1403.8
60°	1189.0	762.1	922.5	598.8	673.3	727.7	934.0	1189.0	1209.0	1220.5	1292.1
62.5°	994.2	552.9	836.6	541.5	616.0	627.4	853.8	1085.8	1111.6	1120.2	1163.2
65°	707.7	464.1	710.5	492.8	555.8	558.7	767.8	979.8	1002.8	1017.1	1048.6
67.5°	478.5	378.2	541.5	446.9	510.0	512.8	684.7	856.6	888.2	899.6	919.7
70°	332.3	252.1	401.1	398.2	458.4	464.1	595.9	744.9	773.6	782.1	793.6
72.5°	243.5	203.4	332.3	358.1	404.0	409.7	504.2	618.8	647.5	656.1	661.8
75°	186.2	214.9	269.3	312.3	343.8	346.7	412.6	504.2	524.3	530.0	532.9
77.5°	149.0	200.5	197.7	252.1	280.8	275.0	323.7	389.6	406.8	406.8	406.8
80°	111.7	157.6	149.0	180.5	206.3	200.5	232.1	277.9	283.6	289.4	286.5
82.5°	83.1	100.3	100.3	114.6	137.5	131.8	154.7	180.5	180.5	180.5	186.2
85°	51.6	57.3	45.8	60.2	77.4	74.5	86.0	97.4	100.3	100.3	94.5
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.1	43.0	40.1	40.1	40.1
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9
92.5°	103.9	63.7	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0
95°	203.7	130.2	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1
97.5°	227.7	162.8	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6
100°	247.4	188.7	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2
102.5°	266.7	211.9	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1
105°	296.0	249.5	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2
107.5°	337.0	293.7	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5
110°	360.5	321.4	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.0	350.8	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2
115°	429.6	395.2	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6
117.5°	469.9	438.6	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8
120°	493.4	464.0	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5
122.5°	520.5	490.9	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6
125°	556.0	529.0	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8
127.5°	589.6	562.3	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4
130°	611.5	582.2	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4
132.5°	629.8	600.4	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7
135°	651.7	625.0	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3
137.5°	679.0	652.5	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1
140°	697.7	673.4	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4
142.5°	711.9	689.2	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1
145°	733.2	713.5	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3
147.5°	759.3	740.1	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5
150°	773.4	756.0	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0
152.5°	783.3	770.1	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9
155°	803.6	793.9	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3
157.5°	823.1	813.8	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7
160°	832.6	825.2	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4
162.5°	842.5	837.0	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5
165°	856.2	851.2	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5
167.5°	864.5	862.1	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5
170°	873.3	871.0	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5
172.5°	874.4	873.8	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3
175°	879.8	879.8	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0
177.5°	879.8	879.8	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2922.4	2913.8	2925.3	2893.7	2925.3	2913.8	2922.4	2942.5	2925.3	2936.7	2948.2
5°	2564.3	2549.9	2504.0	2466.8	2504.0	2549.9	2564.3	2624.4	2653.1	2704.7	2773.4
7.5°	2292.0	2280.5	2269.1	2246.2	2269.1	2280.5	2292.0	2309.2	2337.8	2383.7	2435.2
10°	2231.8	2234.7	2251.9	2249.0	2251.9	2234.7	2231.8	2226.1	2217.5	2226.1	2257.6
12.5°	2386.5	2412.3	2506.9	2501.1	2506.9	2412.3	2386.5	2271.9	2194.6	2180.3	2186.0
15°	2564.3	2572.9	2592.9	2595.8	2592.9	2572.9	2564.3	2518.3	2286.3	2186.0	2154.5
17.5°	2581.5	2584.3	2598.7	2598.7	2598.7	2584.3	2581.5	2561.4	2484.0	2349.3	2171.7
20°	2567.1	2572.9	2601.5	2607.2	2601.5	2572.9	2567.1	2541.4	2498.3	2449.6	2314.9
22.5°	2561.4	2572.9	2595.8	2592.9	2595.8	2572.9	2561.4	2521.2	2484.0	2449.6	2395.1
25°	2532.8	2532.8	2535.6	2538.5	2535.6	2532.8	2532.8	2501.1	2426.7	2418.1	2386.5
27.5°	2472.5	2478.2	2495.4	2492.5	2495.4	2478.2	2472.5	2461.0	2380.8	2372.2	2349.3
30°	2418.1	2412.3	2398.0	2386.5	2398.0	2412.3	2418.1	2400.9	2320.6	2297.7	2303.5
32.5°	2326.4	2312.1	2297.7	2289.1	2297.7	2312.1	2326.4	2320.6	2260.5	2229.0	2234.7
35°	2217.5	2220.4	2217.5	2208.9	2217.5	2220.4	2217.5	2223.2	2186.0	2157.3	2154.5
37.5°	2140.2	2145.9	2143.0	2131.6	2143.0	2145.9	2140.2	2134.4	2082.9	2074.3	2080.0
40°	2059.9	2062.8	2059.9	2051.3	2059.9	2062.8	2059.9	2048.5	1976.8	1979.7	1999.8
42.5°	1982.6	1979.7	1971.1	1965.4	1971.1	1979.7	1982.6	1965.4	1873.7	1865.1	1902.4
45°	1893.8	1896.6	1879.4	1870.8	1879.4	1896.6	1893.8	1882.3	1787.8	1764.8	1790.6
47.5°	1805.0	1805.0	1790.6	1782.0	1790.6	1805.0	1805.0	1790.6	1690.4	1667.4	1681.8
50°	1710.4	1707.5	1687.5	1684.6	1687.5	1707.5	1710.4	1701.8	1595.8	1575.8	1575.8
52.5°	1601.5	1601.5	1604.4	1610.1	1604.4	1601.5	1601.5	1604.4	1509.9	1489.8	1484.1
55°	1507.0	1509.9	1529.9	1535.6	1529.9	1509.9	1507.0	1507.0	1421.0	1401.0	1389.5
57.5°	1409.6	1409.6	1423.9	1423.9	1423.9	1409.6	1409.6	1403.8	1320.8	1303.6	1297.8
60°	1297.8	1303.6	1315.0	1312.2	1315.0	1303.6	1297.8	1292.1	1220.5	1209.0	1189.0
62.5°	1180.4	1186.1	1189.0	1183.2	1189.0	1186.1	1180.4	1163.2	1120.2	1111.6	1085.8
65°	1057.2	1062.9	1065.8	1060.0	1065.8	1062.9	1057.2	1048.6	1017.1	1002.8	979.8
67.5°	931.1	928.3	925.4	936.9	925.4	928.3	931.1	919.7	899.6	888.2	856.6
70°	802.2	802.2	799.3	805.1	799.3	802.2	802.2	793.6	782.1	773.6	744.9
72.5°	664.7	661.8	673.3	664.7	673.3	661.8	664.7	661.8	656.1	647.5	618.8
75°	530.0	535.8	530.0	538.6	530.0	535.8	530.0	532.9	530.0	524.3	504.2
77.5°	404.0	409.7	404.0	404.0	404.0	409.7	404.0	406.8	406.8	406.8	389.6
80°	286.5	283.6	283.6	280.8	283.6	283.6	286.5	286.5	289.4	283.6	277.9
82.5°	183.4	180.5	180.5	186.2	180.5	180.5	183.4	186.2	180.5	180.5	180.5
85°	100.3	103.1	97.4	97.4	97.4	103.1	100.3	94.5	100.3	100.3	97.4
87.5°	37.2	34.4	34.4	34.4	34.4	34.4	37.2	40.1	40.1	40.1	43.0
90°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6
92.5°	112.2	107.7	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8
95°	380.9	367.3	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9
97.5°	879.3	853.6	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9
100°	1234.7	1204.1	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7
102.5°	1538.2	1512.0	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6
105°	1892.5	1878.4	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9
107.5°	2076.8	2080.3	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8
110°	2124.0	2138.7	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2093.9	2116.5	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0
115°	1991.7	2023.1	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0
117.5°	1850.6	1885.3	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3
120°	1755.6	1789.3	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7
122.5°	1660.5	1693.7	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1
125°	1534.7	1565.3	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4
127.5°	1433.7	1459.6	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2
130°	1369.9	1393.8	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6
132.5°	1315.6	1337.0	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4
135°	1238.9	1257.4	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7
137.5°	1182.2	1197.3	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8
140°	1136.7	1150.9	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6
142.5°	1104.8	1117.0	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6
145°	1057.0	1066.2	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6
147.5°	1016.9	1024.5	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5
150°	993.8	1000.0	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4
152.5°	975.5	980.2	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4
155°	953.7	956.7	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7
157.5°	934.8	937.0	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1
160°	925.3	926.5	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0
162.5°	916.4	917.6	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1
165°	902.9	904.1	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2
167.5°	896.9	897.5	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4
170°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4
172.5°	892.3	891.8	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6
177.5°	884.6	884.0	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2991.2	3005.5	3014.1	3025.5	3054.2
5°	2876.6	2931.0	2948.2	2991.2	3042.7
7.5°	2624.4	2790.6	2836.4	2939.6	3019.8
10°	2380.8	2547.1	2627.3	2870.8	2991.2
12.5°	2257.6	2355.0	2409.5	2750.5	2951.0
15°	2180.3	2249.0	2289.1	2590.1	2905.2
17.5°	2120.1	2168.8	2197.5	2432.4	2842.2
20°	2082.9	2105.8	2131.6	2317.8	2770.6
22.5°	2057.1	2042.7	2062.8	2237.6	2673.1
25°	2039.9	1985.4	2008.4	2174.5	2558.5
27.5°	2054.2	1933.9	1942.5	2117.2	2438.1
30°	2057.1	1870.8	1873.7	2057.1	2303.5
32.5°	2037.0	1805.0	1807.8	1982.6	2151.6
35°	1988.3	1727.6	1724.7	1896.6	1945.3
37.5°	1922.4	1644.5	1644.5	1802.1	1719.0
40°	1842.2	1561.4	1570.0	1678.9	1518.4
42.5°	1744.8	1472.6	1484.1	1515.6	1369.5
45°	1638.8	1386.7	1395.3	1280.7	1254.9
47.5°	1521.3	1297.8	1300.7	1062.9	1217.6
50°	1380.9	1206.2	1194.7	911.1	1214.8
52.5°	1257.7	1105.9	1071.5	825.1	1103.0
55°	1137.4	999.9	925.4	759.2	1022.8
57.5°	1031.4	862.4	790.7	681.9	1005.6
60°	934.0	727.7	673.3	598.8	922.5
62.5°	853.8	627.4	616.0	541.5	836.6
65°	767.8	558.7	555.8	492.8	710.5
67.5°	684.7	512.8	510.0	446.9	541.5
70°	595.9	464.1	458.4	398.2	401.1
72.5°	504.2	409.7	404.0	358.1	332.3
75°	412.6	346.7	343.8	312.3	269.3
77.5°	323.7	275.0	280.8	252.1	197.7
80°	232.1	200.5	206.3	180.5	149.0
82.5°	154.7	131.8	137.5	114.6	100.3
85°	86.0	74.5	77.4	60.2	45.8
87.5°	40.1	34.4	34.4	22.9	14.3
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.2	113.9	103.9	63.7	23.6
95°	394.2	222.0	203.7	130.2	56.7
97.5°	531.1	243.9	227.7	162.8	98.0
100°	580.8	262.1	247.4	188.7	129.9
102.5°	603.7	280.5	266.7	211.9	157.1
105°	620.6	307.6	296.0	249.5	203.1
107.5°	623.8	347.8	337.0	293.7	250.4
110°	619.0	370.3	360.5	321.4	282.3

TEST NUMBER: P934401

CATALOG NUMBER: SQ4-FA-050U-075D-B40-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	619.2	397.4	388.0	350.8	313.5
115°	625.0	438.2	429.6	395.2	360.8
117.5°	636.5	477.7	469.9	438.6	407.4
120°	646.0	500.7	493.4	464.0	434.6
122.5°	659.6	527.9	520.5	490.9	461.2
125°	678.0	562.8	556.0	529.0	501.9
127.5°	696.2	596.4	589.6	562.3	535.0
130°	709.6	618.8	611.5	582.2	552.8
132.5°	720.5	637.2	629.8	600.4	571.0
135°	732.2	658.4	651.7	625.0	598.2
137.5°	750.0	685.6	679.0	652.5	625.9
140°	760.8	703.8	697.7	673.4	648.9
142.5°	769.8	717.5	711.9	689.2	666.7
145°	781.7	738.1	733.2	713.5	693.8
147.5°	799.0	764.1	759.3	740.1	721.0
150°	808.0	777.7	773.4	756.0	738.7
152.5°	813.9	786.5	783.3	770.1	757.0
155°	826.9	806.0	803.6	793.9	784.2
157.5°	839.9	825.5	823.1	813.8	804.3
160°	845.8	834.4	832.6	825.2	817.9
162.5°	852.1	843.8	842.5	837.0	831.4
165°	861.1	857.4	856.2	851.2	846.2
167.5°	868.2	865.0	864.5	862.1	859.8
170°	874.1	873.9	873.3	871.0	868.7
172.5°	874.5	874.5	874.4	873.8	873.3
175°	878.0	879.8	879.8	879.8	879.8
177.5°	878.5	879.8	879.8	879.8	879.8
180°	879.8	879.8	879.8	879.8	879.8

(END OF REPORT)