

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: P934208

Luminaire Tested: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934208
REPORT IS A COMBINATION OF REPORTS P933688 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

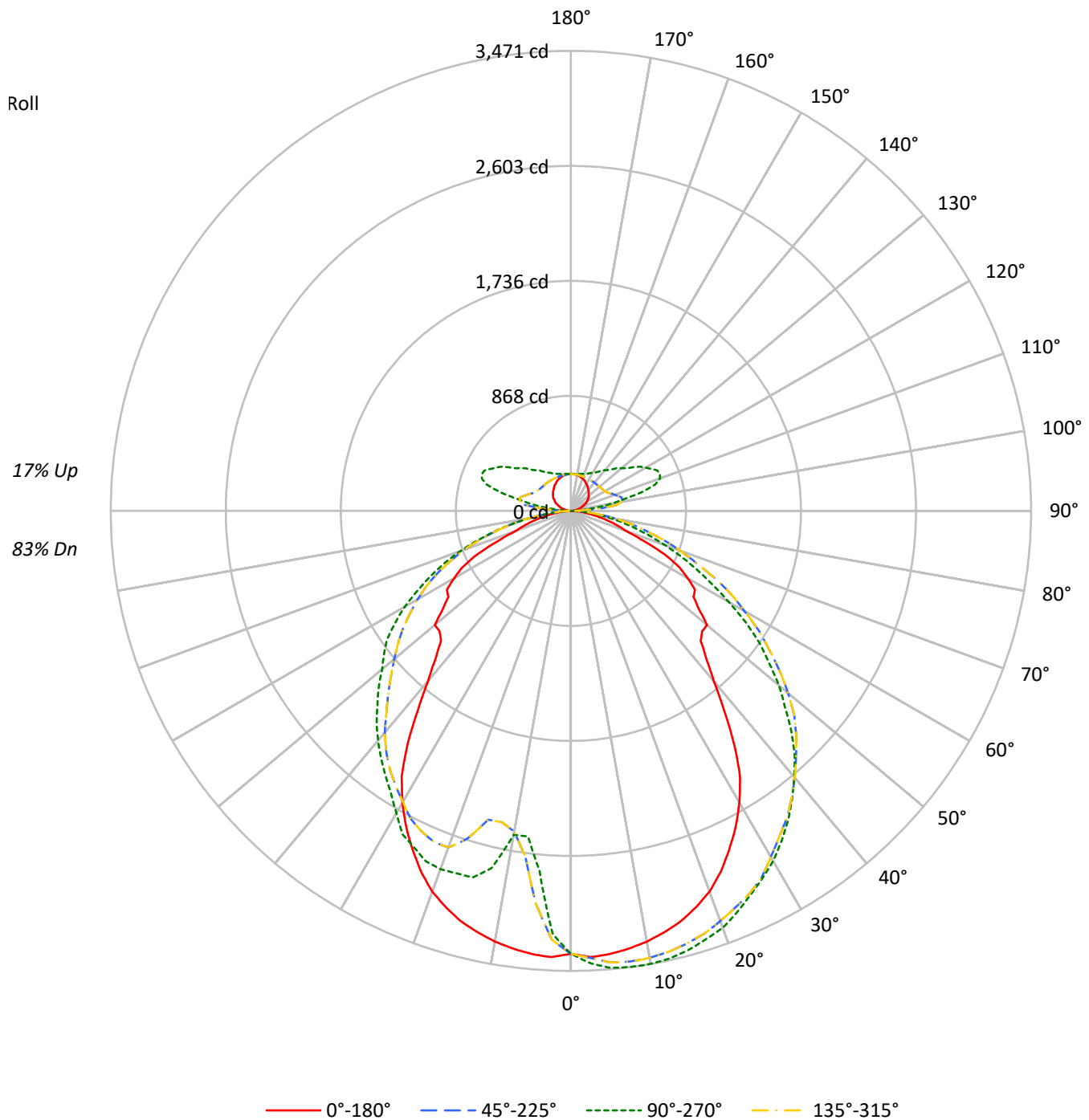
Lumens per Lamp: N/A
Luminaire Lumens: 10471.1 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 99.2
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

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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	50	30	10
RCR																				
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15617	15648	15617	12304
10°	15513	15414	15513	11020
15°	15344	15080	15344	12592
20°	15023	14684	15023	12618
25°	14366	14108	14366	12351
30°	13518	13628	13518	11764
35°	12050	13022	12050	11119
40°	10041	12309	10041	10631
45°	8972	11474	8972	10070
50°	9532	10478	9532	9509
55°	8968	9406	8968	9183
60°	9244	7988	9244	8410
65°	8381	6603	8381	7382
70°	5803	5262	5803	6187
75°	5088	3889	5088	4658
80°	4102	2572	4102	2801
85°	2352	1363	2352	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 13751 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	2.9
10°-20°	856.3	8.2
20°-30°	1323.7	12.6
30°-40°	1580.2	15.1
40°-50°	1589.5	15.2
50°-60°	1383.0	13.2
60°-70°	980.6	9.4
70°-80°	518.8	5.0
80°-90°	130.3	1.2
90°-100°	135.9	1.3
100°-110°	357.3	3.4
110°-120°	370.4	3.5
120°-130°	297.1	2.8
130°-140°	233.1	2.2
140°-150°	179.0	1.7
150°-160°	128.9	1.2
160°-170°	78.9	0.8
170°-180°	26.6	0.3
0°-30°	2481.6	23.7
0°-40°	4061.8	38.8
0°-60°	7034.3	67.2
0°-90°	8663.9	82.7
90°-120°	863.6	8.2
90°-150°	1572.8	15.0
90°-180°	1807.0	17.3
0°-180°	10471.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3341	3341	3341	3341	3341	
5°	3357	3461	3357	2722	3357	318
15°	3205	3430	3205	2864	3205	902
25°	2823	3199	2823	2801	2823	1296
35°	2146	2854	2146	2437	2146	1328
45°	1384	2352	1384	2064	1384	1109
55°	1128	1735	1128	1694	1128	1037
65°	784	1046	784	1170	784	749
75°	297	496	297	594	297	312
85°	50	126	50	108	50	68
90°	2	7	2	7	2	4
95°	18	82	18	82	18	20
105°	64	559	64	559	64	68
115°	114	720	114	720	114	113
125°	159	574	159	574	159	141
135°	190	445	190	445	190	147
145°	220	361	220	361	220	138
155°	248	311	248	311	248	114
165°	268	290	268	290	268	76
175°	279	281	279	281	279	26
180°	279	279	279	279	279	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3369.5	3369.5	3388.5	3394.8	3394.8	3385.4	3375.8	3385.4	3413.8	3423.3	3420.1
5°	3356.9	3382.2	3416.9	3423.3	3429.6	3426.5	3420.1	3426.5	3458.0	3464.4	3467.6
7.5°	3331.6	3379.0	3423.3	3432.7	3442.3	3432.7	3429.6	3435.9	3467.6	3473.8	3473.8
10°	3300.0	3366.4	3416.9	3423.3	3432.7	3423.3	3423.3	3435.9	3467.6	3473.8	3477.0
12.5°	3255.7	3347.4	3394.8	3401.2	3413.8	3410.6	3407.5	3420.1	3451.7	3458.0	3458.0
15°	3205.2	3312.6	3356.9	3363.2	3385.4	3379.0	3379.0	3391.6	3426.5	3435.9	3432.7
17.5°	3135.6	3268.3	3319.0	3328.4	3344.3	3341.1	3344.3	3356.9	3388.5	3394.8	3398.0
20°	3056.6	3208.3	3268.3	3277.9	3293.7	3293.7	3293.7	3309.4	3341.1	3353.7	3353.7
22.5°	2949.1	3145.2	3208.3	3214.6	3233.6	3233.6	3240.0	3262.1	3290.5	3293.7	3293.7
25°	2822.7	3075.6	3129.3	3148.2	3167.2	3176.7	3186.2	3198.9	3208.3	3205.2	3208.3
27.5°	2689.9	2987.0	3056.6	3069.2	3094.5	3104.1	3116.7	3119.8	3123.0	3132.4	3126.1
30°	2541.4	2863.8	2968.1	2980.8	3021.9	3028.1	3015.5	3021.9	3037.6	3044.0	3050.3
32.5°	2373.9	2680.5	2876.4	2904.9	2942.8	2923.9	2920.7	2930.1	2955.5	2955.5	2961.8
35°	2146.2	2538.2	2791.1	2816.4	2844.8	2822.7	2835.3	2838.5	2854.3	2863.8	2860.7
37.5°	1896.6	2415.0	2702.6	2721.6	2743.7	2715.2	2734.2	2743.7	2756.3	2750.0	2750.0
40°	1675.3	2222.1	2598.3	2610.9	2629.9	2607.7	2626.7	2633.0	2639.4	2633.0	2629.9
42.5°	1510.9	2010.3	2487.6	2503.4	2490.8	2506.6	2512.9	2525.5	2516.1	2503.4	2503.4
45°	1384.5	1953.5	2367.5	2386.5	2367.5	2392.8	2402.3	2402.3	2373.9	2367.5	2364.3
47.5°	1343.4	1839.6	2247.4	2247.4	2238.0	2269.5	2285.3	2263.2	2234.8	2225.3	2225.3
50°	1340.2	1713.2	2083.0	2070.4	2114.7	2152.6	2136.8	2114.7	2092.5	2057.8	2057.8
52.5°	1216.9	1558.3	1871.3	1918.7	1988.2	2010.3	1985.0	1962.9	1925.0	1909.2	1896.6
55°	1128.5	1397.2	1678.5	1773.3	1846.0	1874.4	1827.0	1804.9	1748.0	1738.5	1732.2
57.5°	1109.5	1163.2	1501.4	1621.5	1710.1	1706.9	1678.5	1637.4	1589.9	1580.4	1577.3
60°	1017.8	840.8	1311.8	1454.1	1545.7	1536.2	1510.9	1473.0	1428.7	1422.4	1416.1
62.5°	923.0	610.1	1096.8	1258.0	1387.6	1384.5	1362.3	1305.5	1273.9	1258.0	1245.4
65°	783.9	512.1	780.7	1046.3	1232.8	1239.0	1191.7	1150.6	1115.8	1096.8	1093.7
67.5°	597.4	417.2	527.9	872.4	1084.2	1077.8	1017.8	998.8	954.6	945.1	926.2
70°	442.5	278.1	366.7	708.1	938.8	923.0	875.5	853.5	812.4	790.3	777.6
72.5°	366.7	224.4	268.7	550.0	790.3	771.3	730.2	704.9	670.1	651.2	638.5
75°	297.1	237.0	205.5	407.8	641.7	629.0	591.1	565.8	537.3	512.1	515.2
77.5°	218.1	221.3	164.4	300.3	508.9	490.0	467.8	436.2	423.6	398.3	398.3
80°	164.4	173.8	123.3	205.5	366.7	366.7	347.7	325.6	303.5	290.8	290.8
82.5°	110.6	110.6	91.6	129.6	249.8	240.2	227.6	221.3	208.7	202.3	202.3
85°	50.5	63.2	56.9	79.0	135.9	142.2	142.2	135.9	132.7	126.5	129.6
87.5°	15.8	28.5	34.7	44.3	69.6	72.7	75.8	75.8	75.8	79.0	79.0
90°	1.9	3.4	4.9	5.2	8.2	12.2	14.2	12.6	9.4	7.1	7.1
92.5°	7.5	20.2	33.0	36.1	50.8	70.3	80.0	70.1	50.4	35.6	34.2
95°	17.9	41.2	64.5	70.3	124.9	197.6	234.1	208.8	158.5	120.7	116.4
97.5°	31.1	51.7	72.1	77.2	168.2	289.5	350.2	334.4	302.5	278.6	270.5
100°	41.2	59.8	78.4	83.0	184.0	318.6	385.9	387.1	389.5	391.3	381.5
102.5°	49.8	67.2	84.5	88.8	191.3	327.8	396.1	416.4	456.9	487.4	479.0
105°	64.4	79.1	93.9	97.5	196.7	328.9	395.0	440.5	531.4	599.6	595.1
107.5°	79.3	93.0	106.8	110.2	197.6	314.2	372.5	435.9	562.8	658.0	659.1
110°	89.5	101.8	114.2	117.3	196.1	301.2	353.8	424.7	566.6	672.9	677.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	99.4	111.1	122.9	125.9	196.2	289.9	336.8	409.4	554.5	663.4	670.6
115°	114.3	125.2	136.1	138.8	198.0	276.9	316.3	386.3	526.2	631.1	641.0
117.5°	129.1	139.0	148.9	151.4	201.7	268.8	302.3	365.5	491.7	586.4	597.4
120°	137.7	147.0	156.4	158.7	204.7	266.1	296.7	354.4	469.7	556.2	566.8
122.5°	146.1	155.5	164.9	167.3	209.0	264.6	292.4	344.4	448.2	526.1	536.7
125°	159.1	167.7	176.2	178.3	214.8	263.5	287.8	331.9	420.1	486.2	496.0
127.5°	169.5	178.1	186.8	188.9	220.6	262.7	283.8	321.8	397.5	454.3	462.5
130°	175.1	184.5	193.7	196.0	224.8	263.2	282.3	316.1	383.5	434.0	441.6
132.5°	180.9	190.3	199.5	201.8	228.3	263.5	281.0	311.2	371.5	416.8	423.7
135°	189.5	198.0	206.5	208.7	232.0	263.2	278.8	304.1	354.6	392.6	398.4
137.5°	198.3	206.7	215.1	217.2	237.6	264.8	278.4	299.8	342.5	374.5	379.3
140°	205.6	213.3	221.1	223.0	241.1	265.1	277.1	295.6	332.5	360.2	364.6
142.5°	211.3	218.4	225.6	227.3	244.0	266.1	277.1	293.4	325.8	350.1	353.9
145°	219.9	226.1	232.3	233.9	247.7	266.1	275.2	288.5	315.0	334.9	337.8
147.5°	228.5	234.5	240.6	242.1	253.1	267.9	275.2	285.7	306.5	322.1	324.6
150°	234.1	239.6	245.0	246.4	256.0	268.8	275.2	284.0	301.7	314.9	316.8
152.5°	239.9	244.0	248.2	249.2	257.9	269.5	275.2	282.7	297.8	309.1	310.6
155°	248.4	251.5	254.6	255.4	262.0	270.9	275.2	281.2	293.2	302.1	303.1
157.5°	254.8	257.8	260.8	261.5	266.1	272.2	275.2	279.9	289.2	296.2	296.8
160°	259.1	261.4	263.8	264.3	268.0	272.8	275.2	279.3	287.2	293.2	293.6
162.5°	263.4	265.2	266.8	267.3	269.9	273.5	275.2	278.6	285.3	290.4	290.8
165°	268.2	269.7	271.3	271.7	272.9	274.5	275.2	277.7	282.4	286.1	286.5
167.5°	272.4	273.2	273.9	274.1	275.2	276.5	277.1	278.7	281.9	284.2	284.4
170°	275.2	276.0	276.7	276.9	277.0	277.1	277.1	278.7	281.9	284.2	284.2
172.5°	276.7	276.9	277.1	277.1	277.1	277.1	277.1	278.3	280.9	282.7	282.5
175°	278.8	278.8	278.8	278.8	278.2	277.5	277.1	277.9	279.5	280.7	280.7
177.5°	278.8	278.8	278.8	278.8	278.3	277.8	277.5	278.1	279.4	280.3	280.1
180°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3426.5	3416.9	3426.5	3420.1	3423.3	3413.8	3385.4	3375.8	3385.4	3394.8	3394.8
5°	3467.6	3461.2	3467.6	3467.6	3464.4	3458.0	3426.5	3420.1	3426.5	3429.6	3423.3
7.5°	3480.2	3470.7	3480.2	3473.8	3473.8	3467.6	3435.9	3429.6	3432.7	3442.3	3432.7
10°	3480.2	3470.7	3480.2	3477.0	3473.8	3467.6	3435.9	3423.3	3423.3	3432.7	3423.3
12.5°	3464.4	3458.0	3464.4	3458.0	3458.0	3451.7	3420.1	3407.5	3410.6	3413.8	3401.2
15°	3439.1	3429.6	3439.1	3432.7	3435.9	3426.5	3391.6	3379.0	3379.0	3385.4	3363.2
17.5°	3401.2	3388.5	3401.2	3398.0	3394.8	3388.5	3356.9	3344.3	3341.1	3344.3	3328.4
20°	3356.9	3347.4	3356.9	3353.7	3353.7	3341.1	3309.4	3293.7	3293.7	3293.7	3277.9
22.5°	3287.3	3277.9	3287.3	3293.7	3293.7	3290.5	3262.1	3240.0	3233.6	3233.6	3214.6
25°	3208.3	3198.9	3208.3	3208.3	3205.2	3208.3	3198.9	3186.2	3176.7	3167.2	3148.2
27.5°	3132.4	3126.1	3132.4	3126.1	3132.4	3123.0	3119.8	3116.7	3104.1	3094.5	3069.2
30°	3056.6	3050.3	3056.6	3050.3	3044.0	3037.6	3021.9	3015.5	3028.1	3021.9	2980.8
32.5°	2961.8	2955.5	2961.8	2961.8	2955.5	2955.5	2930.1	2920.7	2923.9	2942.8	2904.9
35°	2863.8	2854.3	2863.8	2860.7	2863.8	2854.3	2838.5	2835.3	2822.7	2844.8	2816.4
37.5°	2750.0	2740.5	2750.0	2750.0	2750.0	2756.3	2743.7	2734.2	2715.2	2743.7	2721.6
40°	2633.0	2620.4	2633.0	2629.9	2633.0	2639.4	2633.0	2626.7	2607.7	2629.9	2610.9
42.5°	2500.3	2497.1	2500.3	2503.4	2503.4	2516.1	2525.5	2512.9	2506.6	2490.8	2503.4
45°	2358.1	2351.7	2358.1	2364.3	2367.5	2373.9	2402.3	2402.3	2392.8	2367.5	2386.5
47.5°	2206.3	2190.5	2206.3	2225.3	2225.3	2234.8	2263.2	2285.3	2269.5	2238.0	2247.4
50°	2045.1	2048.3	2045.1	2057.8	2057.8	2092.5	2114.7	2136.8	2152.6	2114.7	2070.4
52.5°	1887.1	1883.9	1887.1	1896.6	1909.2	1925.0	1962.9	1985.0	2010.3	1988.2	1918.7
55°	1729.0	1735.4	1729.0	1732.2	1738.5	1748.0	1804.9	1827.0	1874.4	1846.0	1773.3
57.5°	1571.0	1561.5	1571.0	1577.3	1580.4	1589.9	1637.4	1678.5	1706.9	1710.1	1621.5
60°	1387.6	1375.0	1387.6	1416.1	1422.4	1428.7	1473.0	1510.9	1536.2	1545.7	1454.1
62.5°	1226.4	1204.3	1226.4	1245.4	1258.0	1273.9	1305.5	1362.3	1384.5	1387.6	1258.0
65°	1055.7	1046.3	1055.7	1093.7	1096.8	1115.8	1150.6	1191.7	1239.0	1232.8	1046.3
67.5°	900.8	900.8	900.8	926.2	945.1	954.6	998.8	1017.8	1077.8	1084.2	872.4
70°	758.6	755.4	758.6	777.6	790.3	812.4	853.5	875.5	923.0	938.8	708.1
72.5°	622.7	619.5	622.7	638.5	651.2	670.1	704.9	730.2	771.3	790.3	550.0
75°	502.6	496.2	502.6	515.2	512.1	537.3	565.8	591.1	629.0	641.7	407.8
77.5°	385.6	385.6	385.6	398.3	398.3	423.6	436.2	467.8	490.0	508.9	300.3
80°	287.7	284.5	287.7	290.8	290.8	303.5	325.6	347.7	366.7	366.7	205.5
82.5°	202.3	196.0	202.3	202.3	202.3	208.7	221.3	227.6	240.2	249.8	129.6
85°	126.5	126.5	126.5	129.6	126.5	132.7	135.9	142.2	142.2	135.9	79.0
87.5°	82.2	79.0	82.2	79.0	79.0	75.8	75.8	75.8	72.7	69.6	44.3
90°	7.1	7.1	7.1	7.1	7.1	9.4	12.6	14.2	12.2	8.2	5.2
92.5°	28.5	22.8	28.5	34.2	35.6	50.4	70.1	80.0	70.3	50.8	36.1
95°	99.3	82.1	99.3	116.4	120.7	158.5	208.8	234.1	197.6	124.9	70.3
97.5°	237.8	205.2	237.8	270.5	278.6	302.5	334.4	350.2	289.5	168.2	77.2
100°	342.7	303.8	342.7	381.5	391.3	389.5	387.1	385.9	318.6	184.0	83.0
102.5°	445.8	412.5	445.8	479.0	487.4	456.9	416.4	396.1	327.8	191.3	88.8
105°	577.3	559.4	577.3	595.1	599.6	531.4	440.5	395.0	328.9	196.7	97.5
107.5°	663.4	667.7	663.4	659.1	658.0	562.8	435.9	372.5	314.2	197.6	110.2
110°	696.2	714.9	696.2	677.6	672.9	566.6	424.7	353.8	301.2	196.1	117.3

TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	699.2	727.8	699.2	670.6	663.4	554.5	409.4	336.8	289.9	196.2	125.9
115°	680.7	720.3	680.7	641.0	631.1	526.2	386.3	316.3	276.9	198.0	138.8
117.5°	641.4	685.4	641.4	597.4	586.4	491.7	365.5	302.3	268.8	201.7	151.4
120°	609.6	652.4	609.6	566.8	556.2	469.7	354.4	296.7	266.1	204.7	158.7
122.5°	578.8	620.9	578.8	536.7	526.1	448.2	344.4	292.4	264.6	209.0	167.3
125°	534.8	573.7	534.8	496.0	486.2	420.1	331.9	287.8	263.5	214.8	178.3
127.5°	495.2	528.0	495.2	462.5	454.3	397.5	321.8	283.8	262.7	220.6	188.9
130°	471.9	502.1	471.9	441.6	434.0	383.5	316.1	282.3	263.2	224.8	196.0
132.5°	450.7	477.8	450.7	423.7	416.8	371.5	311.2	281.0	263.5	228.3	201.8
135°	421.7	445.1	421.7	398.4	392.6	354.6	304.1	278.8	263.2	232.0	208.7
137.5°	398.4	417.6	398.4	379.3	374.5	342.5	299.8	278.4	264.8	237.6	217.2
140°	382.5	400.4	382.5	364.6	360.2	332.5	295.6	277.1	265.1	241.1	223.0
142.5°	369.3	384.6	369.3	353.9	350.1	325.8	293.4	277.1	266.1	244.0	227.3
145°	349.5	361.1	349.5	337.8	334.9	315.0	288.5	275.2	266.1	247.7	233.9
147.5°	334.2	343.9	334.2	324.6	322.1	306.5	285.7	275.2	267.9	253.1	242.1
150°	324.7	332.5	324.7	316.8	314.9	301.7	284.0	275.2	268.8	256.0	246.4
152.5°	316.4	322.3	316.4	310.6	309.1	297.8	282.7	275.2	269.5	257.9	249.2
155°	307.0	310.9	307.0	303.1	302.1	293.2	281.2	275.2	270.9	262.0	255.4
157.5°	299.6	302.3	299.6	296.8	296.2	289.2	279.9	275.2	272.2	266.1	261.5
160°	295.1	296.7	295.1	293.6	293.2	287.2	279.3	275.2	272.8	268.0	264.3
162.5°	292.2	293.7	292.2	290.8	290.4	285.3	278.6	275.2	273.5	269.9	267.3
165°	288.0	289.6	288.0	286.5	286.1	282.4	277.7	275.2	274.5	272.9	271.7
167.5°	285.1	285.7	285.1	284.4	284.2	281.9	278.7	277.1	276.5	275.2	274.1
170°	284.2	284.2	284.2	284.2	284.2	281.9	278.7	277.1	277.1	277.0	276.9
172.5°	282.0	281.4	282.0	282.5	282.7	280.9	278.3	277.1	277.1	277.1	277.1
175°	280.7	280.7	280.7	280.7	280.7	279.5	277.9	277.1	277.5	278.2	278.8
177.5°	279.5	278.8	279.5	280.1	280.3	279.4	278.1	277.5	277.8	278.3	278.8
180°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8

TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3388.5	3369.5	3369.5	3337.9	3325.3	3315.8	3300.0	3252.6	3240.0	3227.3	3246.3
5°	3416.9	3382.2	3356.9	3300.0	3252.6	3233.6	3173.5	3059.8	2983.9	2927.0	2895.4
7.5°	3423.3	3379.0	3331.6	3243.1	3129.3	3078.7	2895.4	2686.7	2629.9	2579.3	2547.7
10°	3416.9	3366.4	3300.0	3167.2	2898.6	2810.0	2626.7	2490.8	2456.0	2446.5	2456.0
12.5°	3394.8	3347.4	3255.7	3034.5	2658.4	2598.3	2490.8	2411.8	2405.4	2421.3	2506.6
15°	3356.9	3312.6	3205.2	2857.5	2525.5	2481.4	2405.4	2377.0	2411.8	2522.5	2778.5
17.5°	3319.0	3268.3	3135.6	2683.7	2424.4	2392.8	2339.1	2396.0	2591.9	2740.5	2825.8
20°	3268.3	3208.3	3056.6	2557.2	2351.7	2323.2	2298.0	2554.0	2702.6	2756.3	2803.8
22.5°	3208.3	3145.2	2949.1	2468.7	2275.9	2253.7	2269.5	2642.6	2702.6	2740.5	2781.6
25°	3129.3	3075.6	2822.7	2399.2	2215.8	2190.5	2250.6	2633.0	2667.8	2677.3	2759.5
27.5°	3056.6	2987.0	2689.9	2335.9	2143.1	2133.6	2266.4	2591.9	2617.3	2626.7	2715.2
30°	2968.1	2863.8	2541.4	2269.5	2067.2	2064.0	2269.5	2541.4	2535.1	2560.4	2648.8
32.5°	2876.4	2680.5	2373.9	2187.3	1994.6	1991.4	2247.4	2465.5	2459.2	2494.0	2560.4
35°	2791.1	2538.2	2146.2	2092.5	1902.8	1906.0	2193.7	2377.0	2380.2	2411.8	2452.9
37.5°	2702.6	2415.0	1896.6	1988.2	1814.4	1814.4	2120.9	2294.8	2288.5	2298.0	2354.9
40°	2598.3	2222.1	1675.3	1852.3	1732.2	1722.7	2032.5	2206.3	2184.2	2181.1	2260.1
42.5°	2487.6	2010.3	1510.9	1672.1	1637.4	1624.7	1925.0	2098.9	2057.8	2067.2	2168.4
45°	2367.5	1953.5	1384.5	1413.0	1539.3	1529.9	1808.0	1975.6	1947.1	1972.4	2076.7
47.5°	2247.4	1839.6	1343.4	1172.7	1435.1	1431.9	1678.5	1855.5	1839.6	1864.9	1975.6
50°	2083.0	1713.2	1340.2	1005.2	1318.1	1330.8	1523.5	1738.5	1738.5	1760.6	1877.6
52.5°	1871.3	1558.3	1216.9	910.4	1182.2	1220.1	1387.6	1637.4	1643.7	1665.8	1770.1
55°	1678.5	1397.2	1128.5	837.6	1021.0	1103.1	1254.9	1533.1	1545.7	1567.8	1662.6
57.5°	1501.4	1163.2	1109.5	752.3	872.4	951.5	1137.9	1431.9	1438.2	1457.2	1548.9
60°	1311.8	840.8	1017.8	660.6	742.8	802.9	1030.5	1311.8	1333.9	1346.5	1425.6
62.5°	1096.8	610.1	923.0	597.4	679.6	692.3	941.9	1197.9	1226.4	1236.0	1283.3
65°	780.7	512.1	783.9	543.7	613.2	616.3	847.1	1081.0	1106.3	1122.1	1156.9
67.5°	527.9	417.2	597.4	493.1	562.6	565.8	755.4	945.1	979.9	992.6	1014.7
70°	366.7	278.1	442.5	439.4	505.8	512.1	657.4	821.8	853.5	862.9	875.5
72.5°	268.7	224.4	366.7	395.1	445.7	452.1	556.3	682.8	714.3	723.8	730.2
75°	205.5	237.0	297.1	344.6	379.3	382.5	455.1	556.3	578.4	584.8	588.0
77.5°	164.4	221.3	218.1	278.1	309.8	303.5	357.2	429.9	448.9	448.9	448.9
80°	123.3	173.8	164.4	199.1	227.6	221.3	256.0	306.6	312.9	319.2	316.1
82.5°	91.6	110.6	110.6	126.5	151.7	145.4	170.7	199.1	199.1	199.1	205.5
85°	56.9	63.2	50.5	66.4	85.4	82.2	94.8	107.5	110.6	110.6	104.3
87.5°	34.7	28.5	15.8	25.3	37.9	37.9	44.3	47.4	44.3	44.3	44.3
90°	4.9	3.4	1.9	3.4	4.9	5.2	8.2	12.2	14.2	12.6	9.4
92.5°	33.0	20.2	7.5	20.2	33.0	36.1	50.8	70.3	80.0	70.1	50.4
95°	64.5	41.2	17.9	41.2	64.5	70.3	124.9	197.6	234.1	208.8	158.5
97.5°	72.1	51.7	31.1	51.7	72.1	77.2	168.2	289.5	350.2	334.4	302.5
100°	78.4	59.8	41.2	59.8	78.4	83.0	184.0	318.6	385.9	387.1	389.5
102.5°	84.5	67.2	49.8	67.2	84.5	88.8	191.3	327.8	396.1	416.4	456.9
105°	93.9	79.1	64.4	79.1	93.9	97.5	196.7	328.9	395.0	440.5	531.4
107.5°	106.8	93.0	79.3	93.0	106.8	110.2	197.6	314.2	372.5	435.9	562.8
110°	114.2	101.8	89.5	101.8	114.2	117.3	196.1	301.2	353.8	424.7	566.6

TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	122.9	111.1	99.4	111.1	122.9	125.9	196.2	289.9	336.8	409.4	554.5
115°	136.1	125.2	114.3	125.2	136.1	138.8	198.0	276.9	316.3	386.3	526.2
117.5°	148.9	139.0	129.1	139.0	148.9	151.4	201.7	268.8	302.3	365.5	491.7
120°	156.4	147.0	137.7	147.0	156.4	158.7	204.7	266.1	296.7	354.4	469.7
122.5°	164.9	155.5	146.1	155.5	164.9	167.3	209.0	264.6	292.4	344.4	448.2
125°	176.2	167.7	159.1	167.7	176.2	178.3	214.8	263.5	287.8	331.9	420.1
127.5°	186.8	178.1	169.5	178.1	186.8	188.9	220.6	262.7	283.8	321.8	397.5
130°	193.7	184.5	175.1	184.5	193.7	196.0	224.8	263.2	282.3	316.1	383.5
132.5°	199.5	190.3	180.9	190.3	199.5	201.8	228.3	263.5	281.0	311.2	371.5
135°	206.5	198.0	189.5	198.0	206.5	208.7	232.0	263.2	278.8	304.1	354.6
137.5°	215.1	206.7	198.3	206.7	215.1	217.2	237.6	264.8	278.4	299.8	342.5
140°	221.1	213.3	205.6	213.3	221.1	223.0	241.1	265.1	277.1	295.6	332.5
142.5°	225.6	218.4	211.3	218.4	225.6	227.3	244.0	266.1	277.1	293.4	325.8
145°	232.3	226.1	219.9	226.1	232.3	233.9	247.7	266.1	275.2	288.5	315.0
147.5°	240.6	234.5	228.5	234.5	240.6	242.1	253.1	267.9	275.2	285.7	306.5
150°	245.0	239.6	234.1	239.6	245.0	246.4	256.0	268.8	275.2	284.0	301.7
152.5°	248.2	244.0	239.9	244.0	248.2	249.2	257.9	269.5	275.2	282.7	297.8
155°	254.6	251.5	248.4	251.5	254.6	255.4	262.0	270.9	275.2	281.2	293.2
157.5°	260.8	257.8	254.8	257.8	260.8	261.5	266.1	272.2	275.2	279.9	289.2
160°	263.8	261.4	259.1	261.4	263.8	264.3	268.0	272.8	275.2	279.3	287.2
162.5°	266.8	265.2	263.4	265.2	266.8	267.3	269.9	273.5	275.2	278.6	285.3
165°	271.3	269.7	268.2	269.7	271.3	271.7	272.9	274.5	275.2	277.7	282.4
167.5°	273.9	273.2	272.4	273.2	273.9	274.1	275.2	276.5	277.1	278.7	281.9
170°	276.7	276.0	275.2	276.0	276.7	276.9	277.0	277.1	277.1	278.7	281.9
172.5°	277.1	276.9	276.7	276.9	277.1	277.1	277.1	277.1	277.1	278.3	280.9
175°	278.8	278.8	278.8	278.8	278.8	278.8	278.2	277.5	277.1	277.9	279.5
177.5°	278.8	278.8	278.8	278.8	278.8	278.8	278.3	277.8	277.5	278.1	279.4
180°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8

TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3224.2	3214.6	3227.3	3192.5	3227.3	3214.6	3224.2	3246.3	3227.3	3240.0	3252.6
5°	2829.0	2813.2	2762.7	2721.6	2762.7	2813.2	2829.0	2895.4	2927.0	2983.9	3059.8
7.5°	2528.7	2516.1	2503.4	2478.2	2503.4	2516.1	2528.7	2547.7	2579.3	2629.9	2686.7
10°	2462.4	2465.5	2484.4	2481.4	2484.4	2465.5	2462.4	2456.0	2446.5	2456.0	2490.8
12.5°	2633.0	2661.5	2765.8	2759.5	2765.8	2661.5	2633.0	2506.6	2421.3	2405.4	2411.8
15°	2829.0	2838.5	2860.7	2863.8	2860.7	2838.5	2829.0	2778.5	2522.5	2411.8	2377.0
17.5°	2848.0	2851.1	2866.9	2866.9	2866.9	2851.1	2848.0	2825.8	2740.5	2591.9	2396.0
20°	2832.2	2838.5	2870.1	2876.4	2870.1	2838.5	2832.2	2803.8	2756.3	2702.6	2554.0
22.5°	2825.8	2838.5	2863.8	2860.7	2863.8	2838.5	2825.8	2781.6	2740.5	2702.6	2642.6
25°	2794.2	2794.2	2797.4	2800.6	2797.4	2794.2	2794.2	2759.5	2677.3	2667.8	2633.0
27.5°	2727.8	2734.2	2753.2	2750.0	2753.2	2734.2	2727.8	2715.2	2626.7	2617.3	2591.9
30°	2667.8	2661.5	2645.6	2633.0	2645.6	2661.5	2667.8	2648.8	2560.4	2535.1	2541.4
32.5°	2566.6	2550.8	2535.1	2525.5	2535.1	2550.8	2566.6	2560.4	2494.0	2459.2	2465.5
35°	2446.5	2449.7	2446.5	2437.1	2446.5	2449.7	2446.5	2452.9	2411.8	2380.2	2377.0
37.5°	2361.2	2367.5	2364.3	2351.7	2364.3	2367.5	2361.2	2354.9	2298.0	2288.5	2294.8
40°	2272.7	2275.9	2272.7	2263.2	2272.7	2275.9	2272.7	2260.1	2181.1	2184.2	2206.3
42.5°	2187.3	2184.2	2174.7	2168.4	2174.7	2184.2	2187.3	2168.4	2067.2	2057.8	2098.9
45°	2089.4	2092.5	2073.6	2064.0	2073.6	2092.5	2089.4	2076.7	1972.4	1947.1	1975.6
47.5°	1991.4	1991.4	1975.6	1966.1	1975.6	1991.4	1991.4	1975.6	1864.9	1839.6	1855.5
50°	1887.1	1883.9	1861.7	1858.7	1861.7	1883.9	1887.1	1877.6	1760.6	1738.5	1738.5
52.5°	1766.9	1766.9	1770.1	1776.5	1770.1	1766.9	1766.9	1770.1	1665.8	1643.7	1637.4
55°	1662.6	1665.8	1687.9	1694.3	1687.9	1665.8	1662.6	1662.6	1567.8	1545.7	1533.1
57.5°	1555.2	1555.2	1571.0	1571.0	1571.0	1555.2	1555.2	1548.9	1457.2	1438.2	1431.9
60°	1431.9	1438.2	1450.9	1447.7	1450.9	1438.2	1431.9	1425.6	1346.5	1333.9	1311.8
62.5°	1302.3	1308.6	1311.8	1305.5	1311.8	1308.6	1302.3	1283.3	1236.0	1226.4	1197.9
65°	1166.4	1172.7	1175.9	1169.6	1175.9	1172.7	1166.4	1156.9	1122.1	1106.3	1081.0
67.5°	1027.3	1024.1	1021.0	1033.7	1021.0	1024.1	1027.3	1014.7	992.6	979.9	945.1
70°	885.1	885.1	881.9	888.2	881.9	885.1	885.1	875.5	862.9	853.5	821.8
72.5°	733.4	730.2	742.8	733.4	742.8	730.2	733.4	730.2	723.8	714.3	682.8
75°	584.8	591.1	584.8	594.2	584.8	591.1	584.8	588.0	584.8	578.4	556.3
77.5°	445.7	452.1	445.7	445.7	445.7	452.1	445.7	448.9	448.9	448.9	429.9
80°	316.1	312.9	312.9	309.8	312.9	312.9	316.1	316.1	319.2	312.9	306.6
82.5°	202.3	199.1	199.1	205.5	199.1	199.1	202.3	205.5	199.1	199.1	199.1
85°	110.6	113.8	107.5	107.5	107.5	113.8	110.6	104.3	110.6	110.6	107.5
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.4
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	9.4	12.6	14.2	12.2
92.5°	35.6	34.2	28.5	22.8	28.5	34.2	35.6	50.4	70.1	80.0	70.3
95°	120.7	116.4	99.3	82.1	99.3	116.4	120.7	158.5	208.8	234.1	197.6
97.5°	278.6	270.5	237.8	205.2	237.8	270.5	278.6	302.5	334.4	350.2	289.5
100°	391.3	381.5	342.7	303.8	342.7	381.5	391.3	389.5	387.1	385.9	318.6
102.5°	487.4	479.0	445.8	412.5	445.8	479.0	487.4	456.9	416.4	396.1	327.8
105°	599.6	595.1	577.3	559.4	577.3	595.1	599.6	531.4	440.5	395.0	328.9
107.5°	658.0	659.1	663.4	667.7	663.4	659.1	658.0	562.8	435.9	372.5	314.2
110°	672.9	677.6	696.2	714.9	696.2	677.6	672.9	566.6	424.7	353.8	301.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	663.4	670.6	699.2	727.8	699.2	670.6	663.4	554.5	409.4	336.8	289.9
115°	631.1	641.0	680.7	720.3	680.7	641.0	631.1	526.2	386.3	316.3	276.9
117.5°	586.4	597.4	641.4	685.4	641.4	597.4	586.4	491.7	365.5	302.3	268.8
120°	556.2	566.8	609.6	652.4	609.6	566.8	556.2	469.7	354.4	296.7	266.1
122.5°	526.1	536.7	578.8	620.9	578.8	536.7	526.1	448.2	344.4	292.4	264.6
125°	486.2	496.0	534.8	573.7	534.8	496.0	486.2	420.1	331.9	287.8	263.5
127.5°	454.3	462.5	495.2	528.0	495.2	462.5	454.3	397.5	321.8	283.8	262.7
130°	434.0	441.6	471.9	502.1	471.9	441.6	434.0	383.5	316.1	282.3	263.2
132.5°	416.8	423.7	450.7	477.8	450.7	423.7	416.8	371.5	311.2	281.0	263.5
135°	392.6	398.4	421.7	445.1	421.7	398.4	392.6	354.6	304.1	278.8	263.2
137.5°	374.5	379.3	398.4	417.6	398.4	379.3	374.5	342.5	299.8	278.4	264.8
140°	360.2	364.6	382.5	400.4	382.5	364.6	360.2	332.5	295.6	277.1	265.1
142.5°	350.1	353.9	369.3	384.6	369.3	353.9	350.1	325.8	293.4	277.1	266.1
145°	334.9	337.8	349.5	361.1	349.5	337.8	334.9	315.0	288.5	275.2	266.1
147.5°	322.1	324.6	334.2	343.9	334.2	324.6	322.1	306.5	285.7	275.2	267.9
150°	314.9	316.8	324.7	332.5	324.7	316.8	314.9	301.7	284.0	275.2	268.8
152.5°	309.1	310.6	316.4	322.3	316.4	310.6	309.1	297.8	282.7	275.2	269.5
155°	302.1	303.1	307.0	310.9	307.0	303.1	302.1	293.2	281.2	275.2	270.9
157.5°	296.2	296.8	299.6	302.3	299.6	296.8	296.2	289.2	279.9	275.2	272.2
160°	293.2	293.6	295.1	296.7	295.1	293.6	293.2	287.2	279.3	275.2	272.8
162.5°	290.4	290.8	292.2	293.7	292.2	290.8	290.4	285.3	278.6	275.2	273.5
165°	286.1	286.5	288.0	289.6	288.0	286.5	286.1	282.4	277.7	275.2	274.5
167.5°	284.2	284.4	285.1	285.7	285.1	284.4	284.2	281.9	278.7	277.1	276.5
170°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	281.9	278.7	277.1	277.1
172.5°	282.7	282.5	282.0	281.4	282.0	282.5	282.7	280.9	278.3	277.1	277.1
175°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	279.5	277.9	277.1	277.5
177.5°	280.3	280.1	279.5	278.8	279.5	280.1	280.3	279.4	278.1	277.5	277.8
180°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8

TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3300.0	3315.8	3325.3	3337.9	3369.5
5°	3173.5	3233.6	3252.6	3300.0	3356.9
7.5°	2895.4	3078.7	3129.3	3243.1	3331.6
10°	2626.7	2810.0	2898.6	3167.2	3300.0
12.5°	2490.8	2598.3	2658.4	3034.5	3255.7
15°	2405.4	2481.4	2525.5	2857.5	3205.2
17.5°	2339.1	2392.8	2424.4	2683.7	3135.6
20°	2298.0	2323.2	2351.7	2557.2	3056.6
22.5°	2269.5	2253.7	2275.9	2468.7	2949.1
25°	2250.6	2190.5	2215.8	2399.2	2822.7
27.5°	2266.4	2133.6	2143.1	2335.9	2689.9
30°	2269.5	2064.0	2067.2	2269.5	2541.4
32.5°	2247.4	1991.4	1994.6	2187.3	2373.9
35°	2193.7	1906.0	1902.8	2092.5	2146.2
37.5°	2120.9	1814.4	1814.4	1988.2	1896.6
40°	2032.5	1722.7	1732.2	1852.3	1675.3
42.5°	1925.0	1624.7	1637.4	1672.1	1510.9
45°	1808.0	1529.9	1539.3	1413.0	1384.5
47.5°	1678.5	1431.9	1435.1	1172.7	1343.4
50°	1523.5	1330.8	1318.1	1005.2	1340.2
52.5°	1387.6	1220.1	1182.2	910.4	1216.9
55°	1254.9	1103.1	1021.0	837.6	1128.5
57.5°	1137.9	951.5	872.4	752.3	1109.5
60°	1030.5	802.9	742.8	660.6	1017.8
62.5°	941.9	692.3	679.6	597.4	923.0
65°	847.1	616.3	613.2	543.7	783.9
67.5°	755.4	565.8	562.6	493.1	597.4
70°	657.4	512.1	505.8	439.4	442.5
72.5°	556.3	452.1	445.7	395.1	366.7
75°	455.1	382.5	379.3	344.6	297.1
77.5°	357.2	303.5	309.8	278.1	218.1
80°	256.0	221.3	227.6	199.1	164.4
82.5°	170.7	145.4	151.7	126.5	110.6
85°	94.8	82.2	85.4	66.4	50.5
87.5°	44.3	37.9	37.9	25.3	15.8
90°	8.2	5.2	4.9	3.4	1.9
92.5°	50.8	36.1	33.0	20.2	7.5
95°	124.9	70.3	64.5	41.2	17.9
97.5°	168.2	77.2	72.1	51.7	31.1
100°	184.0	83.0	78.4	59.8	41.2
102.5°	191.3	88.8	84.5	67.2	49.8
105°	196.7	97.5	93.9	79.1	64.4
107.5°	197.6	110.2	106.8	93.0	79.3
110°	196.1	117.3	114.2	101.8	89.5



TEST NUMBER: P934208

CATALOG NUMBER: SQ4-FA-025U-125D-B50-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	196.2	125.9	122.9	111.1	99.4
115°	198.0	138.8	136.1	125.2	114.3
117.5°	201.7	151.4	148.9	139.0	129.1
120°	204.7	158.7	156.4	147.0	137.7
122.5°	209.0	167.3	164.9	155.5	146.1
125°	214.8	178.3	176.2	167.7	159.1
127.5°	220.6	188.9	186.8	178.1	169.5
130°	224.8	196.0	193.7	184.5	175.1
132.5°	228.3	201.8	199.5	190.3	180.9
135°	232.0	208.7	206.5	198.0	189.5
137.5°	237.6	217.2	215.1	206.7	198.3
140°	241.1	223.0	221.1	213.3	205.6
142.5°	244.0	227.3	225.6	218.4	211.3
145°	247.7	233.9	232.3	226.1	219.9
147.5°	253.1	242.1	240.6	234.5	228.5
150°	256.0	246.4	245.0	239.6	234.1
152.5°	257.9	249.2	248.2	244.0	239.9
155°	262.0	255.4	254.6	251.5	248.4
157.5°	266.1	261.5	260.8	257.8	254.8
160°	268.0	264.3	263.8	261.4	259.1
162.5°	269.9	267.3	266.8	265.2	263.4
165°	272.9	271.7	271.3	269.7	268.2
167.5°	275.2	274.1	273.9	273.2	272.4
170°	277.0	276.9	276.7	276.0	275.2
172.5°	277.1	277.1	277.1	276.9	276.7
175°	278.2	278.8	278.8	278.8	278.8
177.5°	278.3	278.8	278.8	278.8	278.8
180°	278.8	278.8	278.8	278.8	278.8

(END OF REPORT)