

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: P934200

Luminaire Tested: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934200
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-B35-1D-UNV-W2A-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

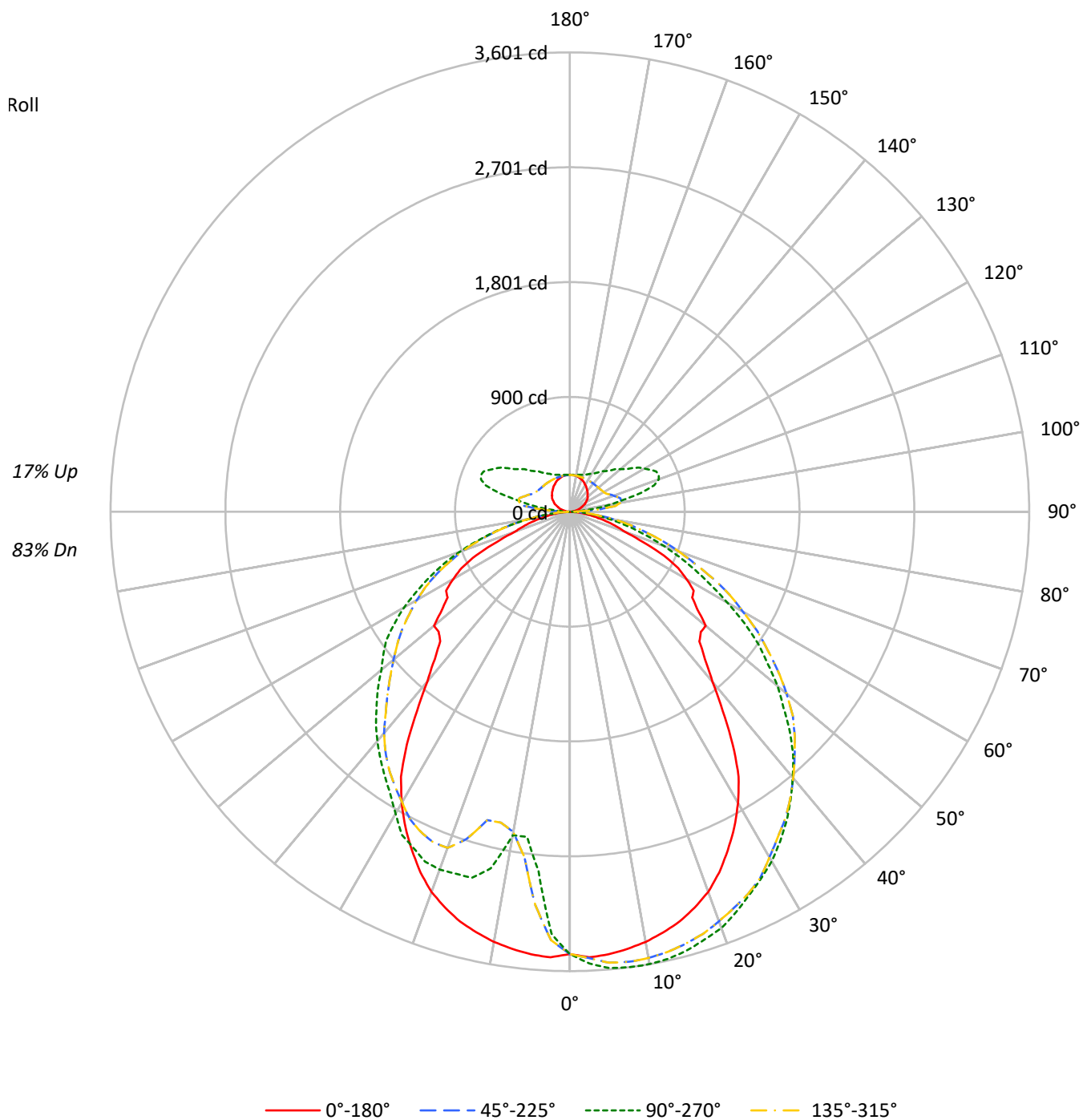
Lumens per Lamp: N/A
Luminaire Lumens: 10863.5 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16202	16234	16202	12765
10°	16094	15991	16094	11433
15°	15919	15645	15919	13064
20°	15586	15234	15586	13091
25°	14905	14636	14905	12814
30°	14024	14139	14024	12205
35°	12502	13510	12502	11535
40°	10418	12770	10418	11030
45°	9308	11904	9308	10448
50°	9889	10871	9889	9865
55°	9304	9758	9304	9527
60°	9590	8288	9590	8726
65°	8696	6851	8696	7658
70°	6021	5459	6021	6419
75°	5279	4035	5279	4832
80°	4254	2669	4254	2905
85°	2441	1413	2441	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	2.9
10°-20°	888.4	8.2
20°-30°	1373.3	12.6
30°-40°	1639.4	15.1
40°-50°	1649.0	15.2
50°-60°	1434.9	13.2
60°-70°	1017.3	9.4
70°-80°	538.2	5.0
80°-90°	135.1	1.2
90°-100°	141.0	1.3
100°-110°	370.6	3.4
110°-120°	384.3	3.5
120°-130°	308.3	2.8
130°-140°	241.9	2.2
140°-150°	185.7	1.7
150°-160°	133.7	1.2
160°-170°	81.8	0.8
170°-180°	27.6	0.3
0°-30°	2574.6	23.7
0°-40°	4214.0	38.8
0°-60°	7297.9	67.2
0°-90°	8988.6	82.7
90°-120°	895.9	8.2
90°-150°	1631.8	15.0
90°-180°	1875.0	17.3
0°-180°	10863.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3466	3466	3466	3466	3466	
5°	3483	3591	3483	2824	3483	330
15°	3325	3558	3325	2971	3325	936
25°	2928	3319	2928	2906	2928	1345
35°	2227	2961	2227	2528	2227	1378
45°	1436	2440	1436	2141	1436	1151
55°	1171	1800	1171	1758	1171	1076
65°	813	1086	813	1213	813	777
75°	308	515	308	616	308	324
85°	52	131	52	112	52	71
90°	2	7	2	7	2	4
95°	19	85	19	85	19	21
105°	67	580	67	580	67	71
115°	119	747	119	747	119	117
125°	165	595	165	595	165	146
135°	197	462	197	462	197	152
145°	228	375	228	375	228	143
155°	258	323	258	323	258	118
165°	278	300	278	300	278	79
175°	289	291	289	291	289	27
180°	289	289	289	289	289	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3495.8	3495.8	3515.4	3522.0	3522.0	3512.2	3502.4	3512.2	3541.7	3551.6	3548.3
5°	3482.7	3508.9	3545.0	3551.6	3558.1	3554.9	3548.3	3554.9	3587.6	3594.2	3597.5
7.5°	3456.4	3505.6	3551.6	3561.4	3571.2	3561.4	3558.1	3564.7	3597.5	3604.0	3604.0
10°	3423.7	3492.6	3545.0	3551.6	3561.4	3551.6	3551.6	3564.7	3597.5	3604.0	3607.3
12.5°	3377.7	3472.8	3522.0	3528.6	3541.7	3538.4	3535.2	3548.3	3581.0	3587.6	3587.6
15°	3325.3	3436.8	3482.7	3489.3	3512.2	3505.6	3505.6	3518.7	3554.9	3564.7	3561.4
17.5°	3253.1	3390.8	3443.3	3453.1	3469.6	3466.3	3469.6	3482.7	3515.4	3522.0	3525.3
20°	3171.1	3328.5	3390.8	3400.7	3417.1	3417.1	3417.1	3433.5	3466.3	3479.4	3479.4
22.5°	3059.6	3263.0	3328.5	3335.1	3354.8	3354.8	3361.4	3384.3	3413.8	3417.1	3417.1
25°	2928.5	3190.8	3246.5	3266.2	3285.9	3295.8	3305.6	3318.7	3328.5	3325.3	3328.5
27.5°	2790.7	3099.0	3171.1	3184.2	3210.5	3220.4	3233.5	3236.8	3240.0	3249.8	3243.2
30°	2636.6	2971.1	3079.3	3092.5	3135.1	3141.6	3128.5	3135.1	3151.5	3158.1	3164.6
32.5°	2462.8	2780.9	2984.2	3013.8	3053.1	3033.5	3030.2	3039.9	3066.2	3066.2	3072.8
35°	2226.7	2633.4	2895.7	2921.9	2951.4	2928.5	2941.6	2944.9	2961.3	2971.1	2967.9
37.5°	1967.7	2505.4	2803.9	2823.6	2846.5	2817.0	2836.7	2846.5	2859.6	2853.0	2853.0
40°	1738.1	2305.3	2695.7	2708.7	2728.4	2705.4	2725.1	2731.7	2738.3	2731.7	2728.4
42.5°	1567.6	2085.7	2580.8	2597.2	2584.1	2600.5	2607.1	2620.2	2610.4	2597.2	2597.2
45°	1436.3	2026.7	2456.2	2475.9	2456.2	2482.5	2492.4	2492.4	2462.8	2456.2	2452.9
47.5°	1393.7	1908.5	2331.6	2331.6	2321.8	2354.6	2370.9	2348.0	2318.5	2308.6	2308.6
50°	1390.4	1777.4	2161.1	2148.0	2193.9	2233.3	2216.9	2193.9	2170.9	2134.9	2134.9
52.5°	1262.5	1616.7	1941.4	1990.6	2062.7	2085.7	2059.4	2036.5	1997.1	1980.7	1967.7
55°	1170.7	1449.5	1741.4	1839.7	1915.1	1944.7	1895.5	1872.5	1813.5	1803.7	1797.1
57.5°	1151.1	1206.8	1557.7	1682.3	1774.1	1770.8	1741.4	1698.8	1649.5	1639.6	1636.4
60°	1055.9	872.3	1361.0	1508.5	1603.6	1593.8	1567.6	1528.2	1482.3	1475.7	1469.2
62.5°	957.6	633.0	1137.9	1305.1	1439.6	1436.3	1413.4	1354.4	1321.6	1305.1	1292.1
65°	813.3	531.3	810.0	1085.5	1279.0	1285.5	1236.3	1193.7	1157.6	1137.9	1134.7
67.5°	619.8	432.9	547.7	905.1	1124.8	1118.2	1055.9	1036.2	990.4	980.5	960.9
70°	459.1	288.6	380.4	734.6	973.9	957.6	908.3	885.5	842.8	819.9	806.7
72.5°	380.4	232.9	278.8	570.6	819.9	800.2	757.6	731.3	695.3	675.6	662.4
75°	308.2	245.9	213.2	423.1	665.7	652.6	613.3	587.0	557.5	531.3	534.5
77.5°	226.3	229.6	170.5	311.5	528.0	508.3	485.4	452.5	439.4	413.2	413.2
80°	170.5	180.3	127.9	213.2	380.4	380.4	360.8	337.8	314.8	301.7	301.7
82.5°	114.7	114.7	95.1	134.5	259.1	249.2	236.1	229.6	216.5	209.9	209.9
85°	52.4	65.6	59.0	82.0	141.0	147.6	147.6	141.0	137.7	131.2	134.5
87.5°	16.4	29.6	36.0	45.9	72.2	75.4	78.7	78.7	78.7	82.0	82.0
90°	1.9	3.5	5.0	5.4	8.5	12.7	14.7	13.1	9.8	7.4	7.4
92.5°	7.8	20.9	34.2	37.5	52.7	73.0	83.0	72.8	52.3	36.9	35.5
95°	18.6	42.7	67.0	73.0	129.6	205.0	242.8	216.7	164.4	125.2	120.7
97.5°	32.3	53.6	74.8	80.1	174.5	300.4	363.4	346.9	313.9	289.1	280.6
100°	42.7	62.0	81.3	86.1	190.9	330.5	400.4	401.7	404.1	405.9	395.8
102.5°	51.6	69.7	87.7	92.2	198.5	340.1	411.0	432.0	474.0	505.6	497.0
105°	66.8	82.1	97.4	101.2	204.1	341.2	409.8	457.0	551.4	622.1	617.4
107.5°	82.3	96.5	110.8	114.3	205.0	326.0	386.4	452.2	583.9	682.7	683.8
110°	92.8	105.6	118.5	121.7	203.5	312.5	367.1	440.6	587.8	698.2	703.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	103.1	115.3	127.5	130.6	203.6	300.8	349.4	424.7	575.3	688.3	695.7
115°	118.6	129.8	141.2	144.0	205.4	287.3	328.2	400.8	545.9	654.8	665.0
117.5°	133.9	144.2	154.5	157.1	209.3	278.9	313.7	379.2	510.1	608.3	619.8
120°	142.8	152.5	162.2	164.6	212.4	276.1	307.9	367.6	487.3	577.0	588.1
122.5°	151.6	161.3	171.1	173.5	216.9	274.5	303.4	357.3	465.0	545.8	556.8
125°	165.0	173.9	182.8	185.0	222.9	273.4	298.5	344.3	435.9	504.5	514.5
127.5°	175.9	184.8	193.8	196.0	228.9	272.6	294.5	333.8	412.4	471.3	479.8
130°	181.7	191.4	201.0	203.4	233.2	273.1	292.9	327.9	397.9	450.3	458.1
132.5°	187.7	197.4	207.0	209.4	236.8	273.4	291.6	322.9	385.5	432.5	439.5
135°	196.6	205.4	214.2	216.5	240.7	273.1	289.2	315.5	367.9	407.3	413.3
137.5°	205.7	214.4	223.2	225.4	246.5	274.7	288.9	311.0	355.3	388.6	393.5
140°	213.3	221.3	229.4	231.4	250.1	275.0	287.5	306.7	345.0	373.6	378.3
142.5°	219.2	226.6	234.0	235.9	253.1	276.1	287.5	304.4	338.0	363.2	367.2
145°	228.1	234.6	241.0	242.6	257.0	276.1	285.6	299.3	326.8	347.5	350.5
147.5°	237.0	243.3	249.6	251.2	262.6	277.9	285.6	296.4	318.0	334.2	336.7
150°	242.8	248.5	254.2	255.6	265.6	278.9	285.6	294.7	313.0	326.6	328.7
152.5°	248.8	253.1	257.5	258.5	267.5	279.6	285.6	293.3	308.9	320.6	322.2
155°	257.8	261.0	264.1	264.9	271.8	281.0	285.6	291.8	304.2	313.5	314.4
157.5°	264.3	267.4	270.5	271.3	276.1	282.4	285.6	290.4	300.0	307.3	307.9
160°	268.8	271.2	273.6	274.2	278.0	283.0	285.6	289.7	298.0	304.2	304.6
162.5°	273.3	275.1	276.8	277.3	280.0	283.7	285.6	289.1	296.0	301.3	301.6
165°	278.2	279.8	281.5	281.9	283.1	284.8	285.6	288.1	293.0	296.8	297.2
167.5°	282.7	283.4	284.2	284.4	285.5	286.8	287.5	289.1	292.4	294.9	295.1
170°	285.6	286.3	287.1	287.3	287.4	287.5	287.5	289.1	292.4	294.9	294.9
172.5°	287.1	287.3	287.5	287.5	287.5	287.5	287.5	288.8	291.4	293.3	293.1
175°	289.2	289.2	289.2	289.2	288.7	287.9	287.5	288.3	289.9	291.2	291.2
177.5°	289.2	289.2	289.2	289.2	288.8	288.2	287.9	288.6	289.8	290.8	290.6
180°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3554.9	3545.0	3554.9	3548.3	3551.6	3541.7	3512.2	3502.4	3512.2	3522.0	3522.0
5°	3597.5	3590.9	3597.5	3597.5	3594.2	3587.6	3554.9	3548.3	3554.9	3558.1	3551.6
7.5°	3610.6	3600.7	3610.6	3604.0	3604.0	3597.5	3564.7	3558.1	3561.4	3571.2	3561.4
10°	3610.6	3600.7	3610.6	3607.3	3604.0	3597.5	3564.7	3551.6	3551.6	3561.4	3551.6
12.5°	3594.2	3587.6	3594.2	3587.6	3587.6	3581.0	3548.3	3535.2	3538.4	3541.7	3528.6
15°	3568.0	3558.1	3568.0	3561.4	3564.7	3554.9	3518.7	3505.6	3505.6	3512.2	3489.3
17.5°	3528.6	3515.4	3528.6	3525.3	3522.0	3515.4	3482.7	3469.6	3466.3	3469.6	3453.1
20°	3482.7	3472.8	3482.7	3479.4	3479.4	3466.3	3433.5	3417.1	3417.1	3417.1	3400.7
22.5°	3410.5	3400.7	3410.5	3417.1	3417.1	3413.8	3384.3	3361.4	3354.8	3354.8	3335.1
25°	3328.5	3318.7	3328.5	3328.5	3325.3	3328.5	3318.7	3305.6	3295.8	3285.9	3266.2
27.5°	3249.8	3243.2	3249.8	3243.2	3249.8	3240.0	3236.8	3233.5	3220.4	3210.5	3184.2
30°	3171.1	3164.6	3171.1	3164.6	3158.1	3151.5	3135.1	3128.5	3141.6	3135.1	3092.5
32.5°	3072.8	3066.2	3072.8	3072.8	3066.2	3066.2	3039.9	3030.2	3033.5	3053.1	3013.8
35°	2971.1	2961.3	2971.1	2967.9	2971.1	2961.3	2944.9	2941.6	2928.5	2951.4	2921.9
37.5°	2853.0	2843.2	2853.0	2853.0	2853.0	2859.6	2846.5	2836.7	2817.0	2846.5	2823.6
40°	2731.7	2718.6	2731.7	2728.4	2731.7	2738.3	2731.7	2725.1	2705.4	2728.4	2708.7
42.5°	2594.0	2590.7	2594.0	2597.2	2597.2	2610.4	2620.2	2607.1	2600.5	2584.1	2597.2
45°	2446.4	2439.8	2446.4	2452.9	2456.2	2462.8	2492.4	2492.4	2482.5	2456.2	2475.9
47.5°	2289.0	2272.6	2289.0	2308.6	2308.6	2318.5	2348.0	2370.9	2354.6	2321.8	2331.6
50°	2121.7	2125.0	2121.7	2134.9	2134.9	2170.9	2193.9	2216.9	2233.3	2193.9	2148.0
52.5°	1957.8	1954.5	1957.8	1967.7	1980.7	1997.1	2036.5	2059.4	2085.7	2062.7	1990.6
55°	1793.8	1800.4	1793.8	1797.1	1803.7	1813.5	1872.5	1895.5	1944.7	1915.1	1839.7
57.5°	1629.9	1620.0	1629.9	1636.4	1639.6	1649.5	1698.8	1741.4	1770.8	1774.1	1682.3
60°	1439.6	1426.6	1439.6	1469.2	1475.7	1482.3	1528.2	1567.6	1593.8	1603.6	1508.5
62.5°	1272.4	1249.4	1272.4	1292.1	1305.1	1321.6	1354.4	1413.4	1436.3	1439.6	1305.1
65°	1095.3	1085.5	1095.3	1134.7	1137.9	1157.6	1193.7	1236.3	1285.5	1279.0	1085.5
67.5°	934.6	934.6	934.6	960.9	980.5	990.4	1036.2	1055.9	1118.2	1124.8	905.1
70°	787.0	783.7	787.0	806.7	819.9	842.8	885.5	908.3	957.6	973.9	734.6
72.5°	646.0	642.7	646.0	662.4	675.6	695.3	731.3	757.6	800.2	819.9	570.6
75°	521.4	514.8	521.4	534.5	531.3	557.5	587.0	613.3	652.6	665.7	423.1
77.5°	400.1	400.1	400.1	413.2	413.2	439.4	452.5	485.4	508.3	528.0	311.5
80°	298.5	295.2	298.5	301.7	301.7	314.8	337.8	360.8	380.4	380.4	213.2
82.5°	209.9	203.3	209.9	209.9	209.9	216.5	229.6	236.1	249.2	259.1	134.5
85°	131.2	131.2	131.2	134.5	131.2	137.7	141.0	147.6	147.6	141.0	82.0
87.5°	85.3	82.0	85.3	82.0	82.0	78.7	78.7	78.7	75.4	72.2	45.9
90°	7.4	7.4	7.4	7.4	7.4	9.8	13.1	14.7	12.7	8.5	5.4
92.5°	29.6	23.6	29.6	35.5	36.9	52.3	72.8	83.0	73.0	52.7	37.5
95°	103.0	85.2	103.0	120.7	125.2	164.4	216.7	242.8	205.0	129.6	73.0
97.5°	246.7	212.9	246.7	280.6	289.1	313.9	346.9	363.4	300.4	174.5	80.1
100°	355.5	315.2	355.5	395.8	405.9	404.1	401.7	400.4	330.5	190.9	86.1
102.5°	462.5	428.0	462.5	497.0	505.6	474.0	432.0	411.0	340.1	198.5	92.2
105°	598.9	580.3	598.9	617.4	622.1	551.4	457.0	409.8	341.2	204.1	101.2
107.5°	688.3	692.7	688.3	683.8	682.7	583.9	452.2	386.4	326.0	205.0	114.3
110°	722.3	741.7	722.3	703.0	698.2	587.8	440.6	367.1	312.5	203.5	121.7



TEST NUMBER: P934200

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	725.4	755.0	725.4	695.7	688.3	575.3	424.7	349.4	300.8	203.6	130.6
115°	706.2	747.3	706.2	665.0	654.8	545.9	400.8	328.2	287.3	205.4	144.0
117.5°	665.4	711.1	665.4	619.8	608.3	510.1	379.2	313.7	278.9	209.3	157.1
120°	632.5	676.8	632.5	588.1	577.0	487.3	367.6	307.9	276.1	212.4	164.6
122.5°	600.5	644.2	600.5	556.8	545.8	465.0	357.3	303.4	274.5	216.9	173.5
125°	554.8	595.2	554.8	514.5	504.5	435.9	344.3	298.5	273.4	222.9	185.0
127.5°	513.8	547.8	513.8	479.8	471.3	412.4	333.8	294.5	272.6	228.9	196.0
130°	489.5	520.9	489.5	458.1	450.3	397.9	327.9	292.9	273.1	233.2	203.4
132.5°	467.6	495.7	467.6	439.5	432.5	385.5	322.9	291.6	273.4	236.8	209.4
135°	437.5	461.7	437.5	413.3	407.3	367.9	315.5	289.2	273.1	240.7	216.5
137.5°	413.4	433.2	413.4	393.5	388.6	355.3	311.0	288.9	274.7	246.5	225.4
140°	396.8	415.4	396.8	378.3	373.6	345.0	306.7	287.5	275.0	250.1	231.4
142.5°	383.1	399.0	383.1	367.2	363.2	338.0	304.4	287.5	276.1	253.1	235.9
145°	362.6	374.6	362.6	350.5	347.5	326.8	299.3	285.6	276.1	257.0	242.6
147.5°	346.7	356.8	346.7	336.7	334.2	318.0	296.4	285.6	277.9	262.6	251.2
150°	336.8	345.0	336.8	328.7	326.6	313.0	294.7	285.6	278.9	265.6	255.6
152.5°	328.3	334.4	328.3	322.2	320.6	308.9	293.3	285.6	279.6	267.5	258.5
155°	318.5	322.6	318.5	314.4	313.5	304.2	291.8	285.6	281.0	271.8	264.9
157.5°	310.9	313.7	310.9	307.9	307.3	300.0	290.4	285.6	282.4	276.1	271.3
160°	306.2	307.9	306.2	304.6	304.2	298.0	289.7	285.6	283.0	278.0	274.2
162.5°	303.2	304.8	303.2	301.6	301.3	296.0	289.1	285.6	283.7	280.0	277.3
165°	298.8	300.5	298.8	297.2	296.8	293.0	288.1	285.6	284.8	283.1	281.9
167.5°	295.7	296.4	295.7	295.1	294.9	292.4	289.1	287.5	286.8	285.5	284.4
170°	294.9	294.9	294.9	294.9	294.9	292.4	289.1	287.5	287.5	287.4	287.3
172.5°	292.5	292.0	292.5	293.1	293.3	291.4	288.8	287.5	287.5	287.5	287.5
175°	291.2	291.2	291.2	291.2	291.2	289.9	288.3	287.5	287.9	288.7	289.2
177.5°	289.9	289.2	289.9	290.6	290.8	289.8	288.6	287.9	288.2	288.8	289.2
180°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2

TEST NUMBER: P934200

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3515.4	3495.8	3495.8	3463.0	3449.9	3440.0	3423.7	3374.4	3361.4	3348.2	3368.0
5°	3545.0	3508.9	3482.7	3423.7	3374.4	3354.8	3292.5	3174.4	3095.8	3036.7	3003.9
7.5°	3551.6	3505.6	3456.4	3364.7	3246.5	3194.1	3003.9	2787.4	2728.4	2676.0	2643.1
10°	3545.0	3492.6	3423.7	3285.9	3007.2	2915.3	2725.1	2584.1	2548.1	2538.2	2548.1
12.5°	3522.0	3472.8	3377.7	3148.2	2758.0	2695.7	2584.1	2502.2	2495.6	2512.0	2600.5
15°	3482.7	3436.8	3325.3	2964.6	2620.2	2574.3	2495.6	2466.1	2502.2	2617.0	2882.6
17.5°	3443.3	3390.8	3253.1	2784.2	2515.2	2482.5	2426.8	2485.8	2689.1	2843.2	2931.7
20°	3390.8	3328.5	3171.1	2653.0	2439.8	2410.3	2384.1	2649.7	2803.9	2859.6	2908.8
22.5°	3328.5	3263.0	3059.6	2561.2	2361.2	2338.2	2354.6	2741.6	2803.9	2843.2	2885.9
25°	3246.5	3190.8	2928.5	2489.1	2298.9	2272.6	2334.9	2731.7	2767.8	2777.6	2862.9
27.5°	3171.1	3099.0	2790.7	2423.5	2223.4	2213.6	2351.3	2689.1	2715.3	2725.1	2817.0
30°	3079.3	2971.1	2636.6	2354.6	2144.7	2141.4	2354.6	2636.6	2630.1	2656.3	2748.1
32.5°	2984.2	2780.9	2462.8	2269.3	2069.3	2066.0	2331.6	2557.9	2551.4	2587.4	2656.3
35°	2895.7	2633.4	2226.7	2170.9	1974.1	1977.4	2275.9	2466.1	2469.4	2502.2	2544.8
37.5°	2803.9	2505.4	1967.7	2062.7	1882.4	1882.4	2200.4	2380.8	2374.2	2384.1	2443.1
40°	2695.7	2305.3	1738.1	1921.7	1797.1	1787.2	2108.6	2289.0	2266.0	2262.8	2344.8
42.5°	2580.8	2085.7	1567.6	1734.8	1698.8	1685.6	1997.1	2177.5	2134.9	2144.7	2249.6
45°	2456.2	2026.7	1436.3	1465.9	1597.0	1587.2	1875.8	2049.6	2020.1	2046.3	2154.6
47.5°	2331.6	1908.5	1393.7	1216.7	1488.9	1485.6	1741.4	1925.0	1908.5	1934.8	2049.6
50°	2161.1	1777.4	1390.4	1042.8	1367.5	1380.6	1580.6	1803.7	1803.7	1826.6	1948.0
52.5°	1941.4	1616.7	1262.5	944.5	1226.5	1265.8	1439.6	1698.8	1705.2	1728.2	1836.4
55°	1741.4	1449.5	1170.7	869.0	1059.2	1144.5	1301.9	1590.5	1603.6	1626.6	1724.9
57.5°	1557.7	1206.8	1151.1	780.5	905.1	987.1	1180.5	1485.6	1492.1	1511.8	1606.9
60°	1361.0	872.3	1055.9	685.4	770.6	833.0	1069.1	1361.0	1383.9	1397.0	1479.0
62.5°	1137.9	633.0	957.6	619.8	705.0	718.2	977.2	1242.8	1272.4	1282.3	1331.4
65°	810.0	531.3	813.3	564.1	636.1	639.4	878.9	1121.5	1147.8	1164.2	1200.2
67.5°	547.7	432.9	619.8	511.5	583.7	587.0	783.7	980.5	1016.6	1029.8	1052.7
70°	380.4	288.6	459.1	455.8	524.7	531.3	682.1	852.6	885.5	895.3	908.3
72.5°	278.8	232.9	380.4	409.9	462.4	469.0	577.1	708.3	741.1	751.0	757.6
75°	213.2	245.9	308.2	357.5	393.5	396.8	472.2	577.1	600.1	606.7	610.0
77.5°	170.5	229.6	226.3	288.6	321.4	314.8	370.5	446.0	465.7	465.7	465.7
80°	127.9	180.3	170.5	206.6	236.1	229.6	265.6	318.1	324.6	331.2	327.9
82.5°	95.1	114.7	114.7	131.2	157.4	150.9	177.1	206.6	206.6	206.6	213.2
85°	59.0	65.6	52.4	68.9	88.6	85.3	98.4	111.5	114.7	114.7	108.2
87.5°	36.0	29.6	16.4	26.3	39.3	39.3	45.9	49.2	45.9	45.9	45.9
90°	5.0	3.5	1.9	3.5	5.0	5.4	8.5	12.7	14.7	13.1	9.8
92.5°	34.2	20.9	7.8	20.9	34.2	37.5	52.7	73.0	83.0	72.8	52.3
95°	67.0	42.7	18.6	42.7	67.0	73.0	129.6	205.0	242.8	216.7	164.4
97.5°	74.8	53.6	32.3	53.6	74.8	80.1	174.5	300.4	363.4	346.9	313.9
100°	81.3	62.0	42.7	62.0	81.3	86.1	190.9	330.5	400.4	401.7	404.1
102.5°	87.7	69.7	51.6	69.7	87.7	92.2	198.5	340.1	411.0	432.0	474.0
105°	97.4	82.1	66.8	82.1	97.4	101.2	204.1	341.2	409.8	457.0	551.4
107.5°	110.8	96.5	82.3	96.5	110.8	114.3	205.0	326.0	386.4	452.2	583.9
110°	118.5	105.6	92.8	105.6	118.5	121.7	203.5	312.5	367.1	440.6	587.8

TEST NUMBER: P934200

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	127.5	115.3	103.1	115.3	127.5	130.6	203.6	300.8	349.4	424.7	575.3
115°	141.2	129.8	118.6	129.8	141.2	144.0	205.4	287.3	328.2	400.8	545.9
117.5°	154.5	144.2	133.9	144.2	154.5	157.1	209.3	278.9	313.7	379.2	510.1
120°	162.2	152.5	142.8	152.5	162.2	164.6	212.4	276.1	307.9	367.6	487.3
122.5°	171.1	161.3	151.6	161.3	171.1	173.5	216.9	274.5	303.4	357.3	465.0
125°	182.8	173.9	165.0	173.9	182.8	185.0	222.9	273.4	298.5	344.3	435.9
127.5°	193.8	184.8	175.9	184.8	193.8	196.0	228.9	272.6	294.5	333.8	412.4
130°	201.0	191.4	181.7	191.4	201.0	203.4	233.2	273.1	292.9	327.9	397.9
132.5°	207.0	197.4	187.7	197.4	207.0	209.4	236.8	273.4	291.6	322.9	385.5
135°	214.2	205.4	196.6	205.4	214.2	216.5	240.7	273.1	289.2	315.5	367.9
137.5°	223.2	214.4	205.7	214.4	223.2	225.4	246.5	274.7	288.9	311.0	355.3
140°	229.4	221.3	213.3	221.3	229.4	231.4	250.1	275.0	287.5	306.7	345.0
142.5°	234.0	226.6	219.2	226.6	234.0	235.9	253.1	276.1	287.5	304.4	338.0
145°	241.0	234.6	228.1	234.6	241.0	242.6	257.0	276.1	285.6	299.3	326.8
147.5°	249.6	243.3	237.0	243.3	249.6	251.2	262.6	277.9	285.6	296.4	318.0
150°	254.2	248.5	242.8	248.5	254.2	255.6	265.6	278.9	285.6	294.7	313.0
152.5°	257.5	253.1	248.8	253.1	257.5	258.5	267.5	279.6	285.6	293.3	308.9
155°	264.1	261.0	257.8	261.0	264.1	264.9	271.8	281.0	285.6	291.8	304.2
157.5°	270.5	267.4	264.3	267.4	270.5	271.3	276.1	282.4	285.6	290.4	300.0
160°	273.6	271.2	268.8	271.2	273.6	274.2	278.0	283.0	285.6	289.7	298.0
162.5°	276.8	275.1	273.3	275.1	276.8	277.3	280.0	283.7	285.6	289.1	296.0
165°	281.5	279.8	278.2	279.8	281.5	281.9	283.1	284.8	285.6	288.1	293.0
167.5°	284.2	283.4	282.7	283.4	284.2	284.4	285.5	286.8	287.5	289.1	292.4
170°	287.1	286.3	285.6	286.3	287.1	287.3	287.4	287.5	287.5	289.1	292.4
172.5°	287.5	287.3	287.1	287.3	287.5	287.5	287.5	287.5	287.5	288.8	291.4
175°	289.2	289.2	289.2	289.2	289.2	289.2	288.7	287.9	287.5	288.3	289.9
177.5°	289.2	289.2	289.2	289.2	289.2	289.2	288.8	288.2	287.9	288.6	289.8
180°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2

TEST NUMBER: P934200

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3345.0	3335.1	3348.2	3312.1	3348.2	3335.1	3345.0	3368.0	3348.2	3361.4	3374.4
5°	2935.0	2918.6	2866.2	2823.6	2866.2	2918.6	2935.0	3003.9	3036.7	3095.8	3174.4
7.5°	2623.5	2610.4	2597.2	2571.0	2597.2	2610.4	2623.5	2643.1	2676.0	2728.4	2787.4
10°	2554.7	2557.9	2577.5	2574.3	2577.5	2557.9	2554.7	2548.1	2538.2	2548.1	2584.1
12.5°	2731.7	2761.3	2869.4	2862.9	2869.4	2761.3	2731.7	2600.5	2512.0	2495.6	2502.2
15°	2935.0	2944.9	2967.9	2971.1	2967.9	2944.9	2935.0	2882.6	2617.0	2502.2	2466.1
17.5°	2954.7	2958.0	2974.3	2974.3	2974.3	2958.0	2954.7	2931.7	2843.2	2689.1	2485.8
20°	2938.3	2944.9	2977.6	2984.2	2977.6	2944.9	2938.3	2908.8	2859.6	2803.9	2649.7
22.5°	2931.7	2944.9	2971.1	2967.9	2971.1	2944.9	2931.7	2885.9	2843.2	2803.9	2741.6
25°	2899.0	2899.0	2902.3	2905.5	2902.3	2899.0	2899.0	2862.9	2777.6	2767.8	2731.7
27.5°	2830.1	2836.7	2856.3	2853.0	2856.3	2836.7	2830.1	2817.0	2725.1	2715.3	2689.1
30°	2767.8	2761.3	2744.8	2731.7	2744.8	2761.3	2767.8	2748.1	2656.3	2630.1	2636.6
32.5°	2662.8	2646.4	2630.1	2620.2	2630.1	2646.4	2662.8	2656.3	2587.4	2551.4	2557.9
35°	2538.2	2541.5	2538.2	2528.4	2538.2	2541.5	2538.2	2544.8	2502.2	2469.4	2466.1
37.5°	2449.7	2456.2	2452.9	2439.8	2452.9	2456.2	2449.7	2443.1	2384.1	2374.2	2380.8
40°	2357.9	2361.2	2357.9	2348.0	2357.9	2361.2	2357.9	2344.8	2262.8	2266.0	2289.0
42.5°	2269.3	2266.0	2256.2	2249.6	2256.2	2266.0	2269.3	2249.6	2144.7	2134.9	2177.5
45°	2167.7	2170.9	2151.3	2141.4	2151.3	2170.9	2167.7	2154.6	2046.3	2020.1	2049.6
47.5°	2066.0	2066.0	2049.6	2039.7	2049.6	2066.0	2066.0	2049.6	1934.8	1908.5	1925.0
50°	1957.8	1954.5	1931.5	1928.3	1931.5	1954.5	1957.8	1948.0	1826.6	1803.7	1803.7
52.5°	1833.2	1833.2	1836.4	1843.0	1836.4	1833.2	1833.2	1836.4	1728.2	1705.2	1698.8
55°	1724.9	1728.2	1751.2	1757.8	1751.2	1728.2	1724.9	1724.9	1626.6	1603.6	1590.5
57.5°	1613.5	1613.5	1629.9	1629.9	1629.9	1613.5	1613.5	1606.9	1511.8	1492.1	1485.6
60°	1485.6	1492.1	1505.2	1502.0	1505.2	1492.1	1485.6	1479.0	1397.0	1383.9	1361.0
62.5°	1351.1	1357.7	1361.0	1354.4	1361.0	1357.7	1351.1	1331.4	1282.3	1272.4	1242.8
65°	1210.1	1216.7	1220.0	1213.4	1220.0	1216.7	1210.1	1200.2	1164.2	1147.8	1121.5
67.5°	1065.8	1062.5	1059.2	1072.4	1059.2	1062.5	1065.8	1052.7	1029.8	1016.6	980.5
70°	918.2	918.2	914.9	921.5	914.9	918.2	918.2	908.3	895.3	885.5	852.6
72.5°	760.9	757.6	770.6	760.9	770.6	757.6	760.9	757.6	751.0	741.1	708.3
75°	606.7	613.3	606.7	616.5	606.7	613.3	606.7	610.0	606.7	600.1	577.1
77.5°	462.4	469.0	462.4	462.4	462.4	469.0	462.4	465.7	465.7	465.7	446.0
80°	327.9	324.6	324.6	321.4	324.6	324.6	327.9	327.9	331.2	324.6	318.1
82.5°	209.9	206.6	206.6	213.2	206.6	206.6	209.9	213.2	206.6	206.6	206.6
85°	114.7	118.0	111.5	111.5	111.5	118.0	114.7	108.2	114.7	114.7	111.5
87.5°	42.6	39.3	39.3	39.3	39.3	39.3	42.6	45.9	45.9	45.9	49.2
90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	9.8	13.1	14.7	12.7
92.5°	36.9	35.5	29.6	23.6	29.6	35.5	36.9	52.3	72.8	83.0	73.0
95°	125.2	120.7	103.0	85.2	103.0	120.7	125.2	164.4	216.7	242.8	205.0
97.5°	289.1	280.6	246.7	212.9	246.7	280.6	289.1	313.9	346.9	363.4	300.4
100°	405.9	395.8	355.5	315.2	355.5	395.8	405.9	404.1	401.7	400.4	330.5
102.5°	505.6	497.0	462.5	428.0	462.5	497.0	505.6	474.0	432.0	411.0	340.1
105°	622.1	617.4	598.9	580.3	598.9	617.4	622.1	551.4	457.0	409.8	341.2
107.5°	682.7	683.8	688.3	692.7	688.3	683.8	682.7	583.9	452.2	386.4	326.0
110°	698.2	703.0	722.3	741.7	722.3	703.0	698.2	587.8	440.6	367.1	312.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	688.3	695.7	725.4	755.0	725.4	695.7	688.3	575.3	424.7	349.4	300.8
115°	654.8	665.0	706.2	747.3	706.2	665.0	654.8	545.9	400.8	328.2	287.3
117.5°	608.3	619.8	665.4	711.1	665.4	619.8	608.3	510.1	379.2	313.7	278.9
120°	577.0	588.1	632.5	676.8	632.5	588.1	577.0	487.3	367.6	307.9	276.1
122.5°	545.8	556.8	600.5	644.2	600.5	556.8	545.8	465.0	357.3	303.4	274.5
125°	504.5	514.5	554.8	595.2	554.8	514.5	504.5	435.9	344.3	298.5	273.4
127.5°	471.3	479.8	513.8	547.8	513.8	479.8	471.3	412.4	333.8	294.5	272.6
130°	450.3	458.1	489.5	520.9	489.5	458.1	450.3	397.9	327.9	292.9	273.1
132.5°	432.5	439.5	467.6	495.7	467.6	439.5	432.5	385.5	322.9	291.6	273.4
135°	407.3	413.3	437.5	461.7	437.5	413.3	407.3	367.9	315.5	289.2	273.1
137.5°	388.6	393.5	413.4	433.2	413.4	393.5	388.6	355.3	311.0	288.9	274.7
140°	373.6	378.3	396.8	415.4	396.8	378.3	373.6	345.0	306.7	287.5	275.0
142.5°	363.2	367.2	383.1	399.0	383.1	367.2	363.2	338.0	304.4	287.5	276.1
145°	347.5	350.5	362.6	374.6	362.6	350.5	347.5	326.8	299.3	285.6	276.1
147.5°	334.2	336.7	346.7	356.8	346.7	336.7	334.2	318.0	296.4	285.6	277.9
150°	326.6	328.7	336.8	345.0	336.8	328.7	326.6	313.0	294.7	285.6	278.9
152.5°	320.6	322.2	328.3	334.4	328.3	322.2	320.6	308.9	293.3	285.6	279.6
155°	313.5	314.4	318.5	322.6	318.5	314.4	313.5	304.2	291.8	285.6	281.0
157.5°	307.3	307.9	310.9	313.7	310.9	307.9	307.3	300.0	290.4	285.6	282.4
160°	304.2	304.6	306.2	307.9	306.2	304.6	304.2	298.0	289.7	285.6	283.0
162.5°	301.3	301.6	303.2	304.8	303.2	301.6	301.3	296.0	289.1	285.6	283.7
165°	296.8	297.2	298.8	300.5	298.8	297.2	296.8	293.0	288.1	285.6	284.8
167.5°	294.9	295.1	295.7	296.4	295.7	295.1	294.9	292.4	289.1	287.5	286.8
170°	294.9	294.9	294.9	294.9	294.9	294.9	294.9	292.4	289.1	287.5	287.5
172.5°	293.3	293.1	292.5	292.0	292.5	293.1	293.3	291.4	288.8	287.5	287.5
175°	291.2	291.2	291.2	291.2	291.2	291.2	291.2	289.9	288.3	287.5	287.9
177.5°	290.8	290.6	289.9	289.2	289.9	290.6	290.8	289.8	288.6	287.9	288.2
180°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3423.7	3440.0	3449.9	3463.0	3495.8
5°	3292.5	3354.8	3374.4	3423.7	3482.7
7.5°	3003.9	3194.1	3246.5	3364.7	3456.4
10°	2725.1	2915.3	3007.2	3285.9	3423.7
12.5°	2584.1	2695.7	2758.0	3148.2	3377.7
15°	2495.6	2574.3	2620.2	2964.6	3325.3
17.5°	2426.8	2482.5	2515.2	2784.2	3253.1
20°	2384.1	2410.3	2439.8	2653.0	3171.1
22.5°	2354.6	2338.2	2361.2	2561.2	3059.6
25°	2334.9	2272.6	2298.9	2489.1	2928.5
27.5°	2351.3	2213.6	2223.4	2423.5	2790.7
30°	2354.6	2141.4	2144.7	2354.6	2636.6
32.5°	2331.6	2066.0	2069.3	2269.3	2462.8
35°	2275.9	1977.4	1974.1	2170.9	2226.7
37.5°	2200.4	1882.4	1882.4	2062.7	1967.7
40°	2108.6	1787.2	1797.1	1921.7	1738.1
42.5°	1997.1	1685.6	1698.8	1734.8	1567.6
45°	1875.8	1587.2	1597.0	1465.9	1436.3
47.5°	1741.4	1485.6	1488.9	1216.7	1393.7
50°	1580.6	1380.6	1367.5	1042.8	1390.4
52.5°	1439.6	1265.8	1226.5	944.5	1262.5
55°	1301.9	1144.5	1059.2	869.0	1170.7
57.5°	1180.5	987.1	905.1	780.5	1151.1
60°	1069.1	833.0	770.6	685.4	1055.9
62.5°	977.2	718.2	705.0	619.8	957.6
65°	878.9	639.4	636.1	564.1	813.3
67.5°	783.7	587.0	583.7	511.5	619.8
70°	682.1	531.3	524.7	455.8	459.1
72.5°	577.1	469.0	462.4	409.9	380.4
75°	472.2	396.8	393.5	357.5	308.2
77.5°	370.5	314.8	321.4	288.6	226.3
80°	265.6	229.6	236.1	206.6	170.5
82.5°	177.1	150.9	157.4	131.2	114.7
85°	98.4	85.3	88.6	68.9	52.4
87.5°	45.9	39.3	39.3	26.3	16.4
90°	8.5	5.4	5.0	3.5	1.9
92.5°	52.7	37.5	34.2	20.9	7.8
95°	129.6	73.0	67.0	42.7	18.6
97.5°	174.5	80.1	74.8	53.6	32.3
100°	190.9	86.1	81.3	62.0	42.7
102.5°	198.5	92.2	87.7	69.7	51.6
105°	204.1	101.2	97.4	82.1	66.8
107.5°	205.0	114.3	110.8	96.5	82.3
110°	203.5	121.7	118.5	105.6	92.8



TEST NUMBER: P934200

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	203.6	130.6	127.5	115.3	103.1
115°	205.4	144.0	141.2	129.8	118.6
117.5°	209.3	157.1	154.5	144.2	133.9
120°	212.4	164.6	162.2	152.5	142.8
122.5°	216.9	173.5	171.1	161.3	151.6
125°	222.9	185.0	182.8	173.9	165.0
127.5°	228.9	196.0	193.8	184.8	175.9
130°	233.2	203.4	201.0	191.4	181.7
132.5°	236.8	209.4	207.0	197.4	187.7
135°	240.7	216.5	214.2	205.4	196.6
137.5°	246.5	225.4	223.2	214.4	205.7
140°	250.1	231.4	229.4	221.3	213.3
142.5°	253.1	235.9	234.0	226.6	219.2
145°	257.0	242.6	241.0	234.6	228.1
147.5°	262.6	251.2	249.6	243.3	237.0
150°	265.6	255.6	254.2	248.5	242.8
152.5°	267.5	258.5	257.5	253.1	248.8
155°	271.8	264.9	264.1	261.0	257.8
157.5°	276.1	271.3	270.5	267.4	264.3
160°	278.0	274.2	273.6	271.2	268.8
162.5°	280.0	277.3	276.8	275.1	273.3
165°	283.1	281.9	281.5	279.8	278.2
167.5°	285.5	284.4	284.2	283.4	282.7
170°	287.4	287.3	287.1	286.3	285.6
172.5°	287.5	287.5	287.5	287.3	287.1
175°	288.7	289.2	289.2	289.2	289.2
177.5°	288.8	289.2	289.2	289.2	289.2
180°	289.2	289.2	289.2	289.2	289.2

(END OF REPORT)