

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: P934197

Luminaire Tested: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934197
REPORT IS A COMBINATION OF REPORTS P933685 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-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

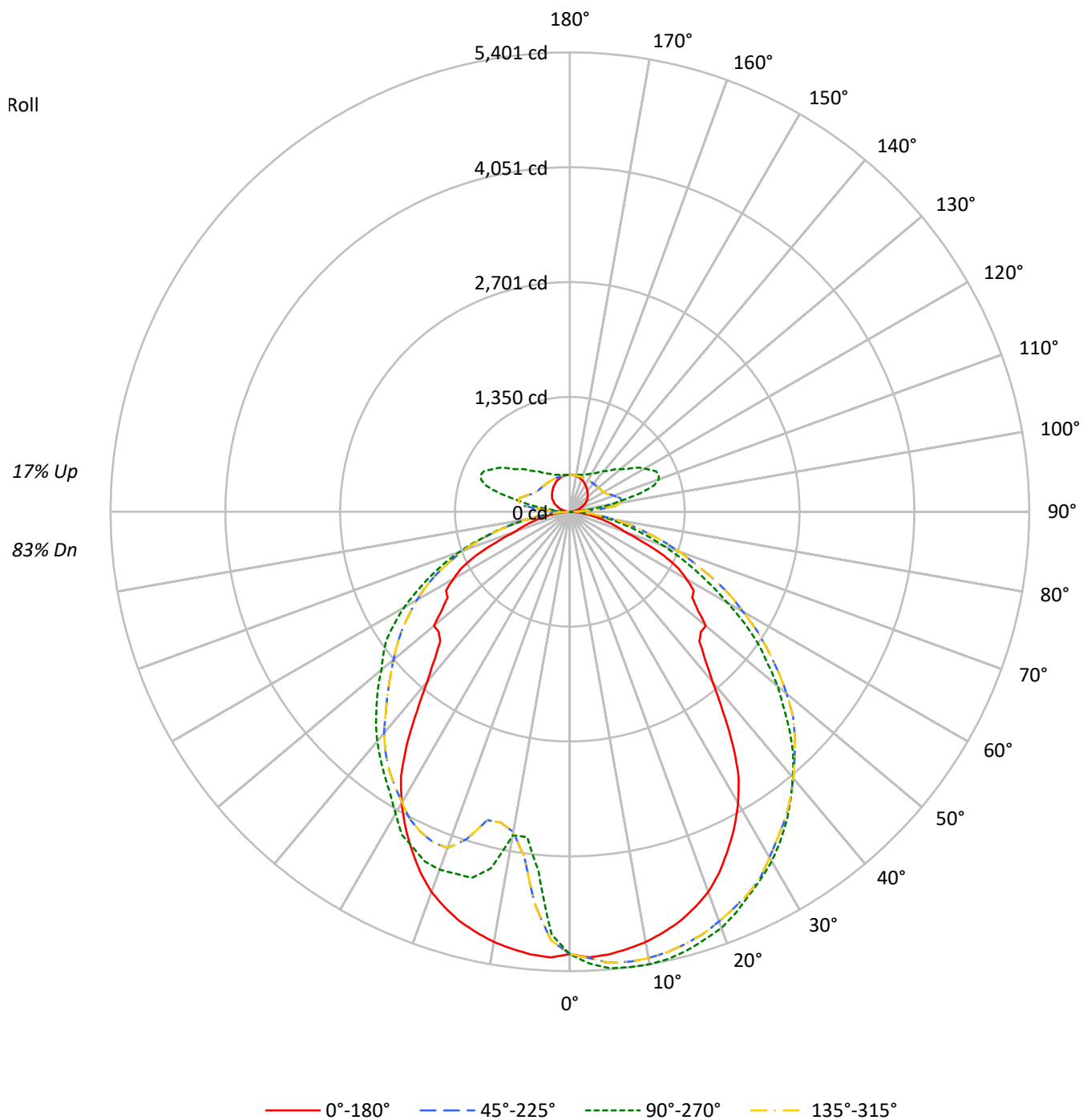
Lumens per Lamp: N/A
Luminaire Lumens: 16295.7 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 148.8
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: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

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°	16083	16083	16083	16083
5°	16209	16235	16209	12766
10°	16107	15992	16107	11433
15°	15937	15645	15937	13064
20°	15610	15235	15610	13092
25°	14934	14636	14934	12814
30°	14058	14139	14058	12205
35°	12539	13511	12539	11536
40°	10454	12771	10454	11030
45°	9347	11904	9347	10448
50°	9938	10871	9938	9865
55°	9359	9758	9359	9527
60°	9659	8287	9659	8726
65°	8772	6851	8772	7658
70°	6089	5460	6089	6419
75°	5359	4036	5359	4833
80°	4351	2668	4351	2905
85°	2550	1413	2550	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14316 cd/sqm

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.4	2.9
10°-20°	1332.6	8.2
20°-30°	2060.0	12.6
30°-40°	2459.2	15.1
40°-50°	2473.6	15.2
50°-60°	2152.4	13.2
60°-70°	1526.1	9.4
70°-80°	807.4	5.0
80°-90°	202.7	1.2
90°-100°	211.5	1.3
100°-110°	556.0	3.4
110°-120°	576.5	3.5
120°-130°	462.4	2.8
130°-140°	362.8	2.2
140°-150°	278.5	1.7
150°-160°	200.6	1.2
160°-170°	122.7	0.8
170°-180°	41.5	0.3
0°-30°	3862.0	23.7
0°-40°	6321.2	38.8
0°-60°	10947.2	67.2
0°-90°	13483.3	82.7
90°-120°	1343.9	8.2
90°-150°	2447.6	15.0
90°-180°	2812.0	17.3
0°-180°	16295.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5200	5200	5200	5200	5200	
5°	5224	5387	5224	4236	5224	496
15°	4988	5337	4988	4457	4988	1403
25°	4393	4978	4393	4358	4393	2017
35°	3340	4442	3340	3793	3340	2066
45°	2155	3660	2155	3212	2155	1726
55°	1756	2701	1756	2637	1756	1614
65°	1220	1628	1220	1820	1220	1166
75°	462	772	462	925	462	486
85°	79	197	79	167	79	106
90°	3	11	3	11	3	6
95°	28	128	28	128	28	31
105°	100	870	100	870	100	106
115°	178	1121	178	1121	178	176
125°	248	893	248	893	248	220
135°	295	693	295	693	295	228
145°	342	562	342	562	342	214
155°	387	484	387	484	387	178
165°	417	451	417	451	417	118
175°	434	437	434	437	434	41
180°	434	434	434	434	434	

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5243.9	5243.9	5273.4	5283.3	5283.3	5268.5	5253.7	5268.5	5312.7	5327.6	5322.6
5°	5224.2	5263.6	5317.7	5327.6	5337.3	5332.4	5322.6	5332.4	5381.6	5391.5	5396.4
7.5°	5184.8	5258.7	5327.6	5342.3	5357.0	5342.3	5337.3	5347.2	5396.4	5406.2	5406.2
10°	5135.7	5239.0	5317.7	5327.6	5342.3	5327.6	5327.6	5347.2	5396.4	5406.2	5411.2
12.5°	5066.8	5209.4	5283.3	5293.1	5312.7	5307.8	5302.9	5322.6	5371.7	5381.6	5381.6
15°	4988.1	5155.4	5224.2	5234.1	5268.5	5258.7	5258.7	5278.3	5332.4	5347.2	5342.3
17.5°	4879.9	5086.5	5165.2	5180.0	5204.5	5199.7	5204.5	5224.2	5273.4	5283.3	5288.1
20°	4756.9	4993.0	5086.5	5101.2	5125.8	5125.8	5125.8	5150.4	5199.7	5219.3	5219.3
22.5°	4589.7	4894.6	4993.0	5002.9	5032.4	5032.4	5042.2	5076.6	5120.9	5125.8	5125.8
25°	4392.9	4786.4	4870.0	4899.6	4929.1	4943.8	4958.6	4978.2	4993.0	4988.1	4993.0
27.5°	4186.3	4648.7	4756.9	4776.6	4815.9	4830.7	4850.3	4855.3	4860.2	4874.9	4865.2
30°	3955.1	4456.8	4619.1	4638.8	4702.8	4712.6	4693.0	4702.8	4727.4	4737.2	4747.0
32.5°	3694.3	4171.5	4476.5	4520.8	4579.8	4550.3	4545.4	4560.1	4599.5	4599.5	4609.3
35°	3340.1	3950.1	4343.6	4383.0	4427.3	4392.9	4412.5	4417.5	4442.1	4456.8	4451.9
37.5°	2951.6	3758.3	4205.9	4235.5	4269.9	4225.6	4255.2	4269.9	4289.6	4279.7	4279.7
40°	2607.2	3458.2	4043.6	4063.3	4092.8	4058.4	4087.9	4097.7	4107.6	4097.7	4092.8
42.5°	2351.4	3128.6	3871.4	3896.1	3876.4	3900.9	3910.8	3930.5	3915.7	3896.1	3896.1
45°	2154.6	3040.0	3684.5	3714.0	3684.5	3723.9	3738.6	3738.6	3694.3	3684.5	3679.6
47.5°	2090.7	2863.0	3497.6	3497.6	3482.8	3532.0	3556.6	3522.1	3477.9	3463.1	3463.1
50°	2085.8	2666.2	3241.8	3222.1	3290.9	3350.0	3325.4	3290.9	3256.5	3202.4	3202.4
52.5°	1893.9	2425.2	2912.1	2986.0	3094.2	3128.6	3089.3	3054.9	2995.8	2971.2	2951.6
55°	1756.1	2174.3	2612.1	2759.7	2872.8	2917.1	2843.3	2808.8	2720.4	2705.5	2695.8
57.5°	1726.7	1810.3	2336.6	2523.6	2661.3	2656.4	2612.1	2548.2	2474.3	2459.6	2454.7
60°	1584.0	1308.5	2041.5	2262.8	2405.5	2390.7	2351.4	2292.4	2223.5	2213.7	2203.8
62.5°	1436.4	949.4	1707.0	1957.9	2159.5	2154.6	2120.2	2031.6	1982.5	1957.9	1938.2
65°	1220.0	796.9	1215.0	1628.3	1918.5	1928.3	1854.6	1790.6	1736.4	1707.0	1702.0
67.5°	929.8	649.3	821.5	1357.7	1687.3	1677.4	1584.0	1554.5	1485.6	1470.8	1441.3
70°	688.7	432.9	570.6	1101.9	1461.0	1436.4	1362.6	1328.2	1264.3	1229.8	1210.1
72.5°	570.6	349.2	418.1	855.9	1229.8	1200.3	1136.3	1097.0	1042.8	1013.4	993.7
75°	462.4	368.9	319.8	634.6	998.6	978.9	919.9	880.5	836.2	796.9	801.8
77.5°	339.4	344.4	255.8	467.3	792.0	762.5	728.0	678.9	659.2	619.9	619.9
80°	255.8	270.5	191.9	319.8	570.6	570.6	541.1	506.7	472.3	452.5	452.5
82.5°	172.2	172.2	142.6	201.6	388.7	373.8	354.2	344.4	324.7	314.8	314.8
85°	78.7	98.4	88.6	123.0	211.5	221.3	221.3	211.5	206.6	196.8	201.6
87.5°	24.6	44.3	54.1	68.9	108.2	113.2	118.0	118.0	118.0	123.0	123.0
90°	2.9	5.2	7.6	8.1	12.8	19.0	22.1	19.7	14.7	11.0	11.0
92.5°	11.6	31.4	51.3	56.2	79.0	109.4	124.6	109.2	78.4	55.3	53.1
95°	27.9	64.1	100.4	109.5	194.4	307.7	364.2	325.0	246.6	187.8	181.1
97.5°	48.4	80.3	112.3	120.3	261.8	450.7	545.1	520.3	470.7	433.5	420.8
100°	64.1	93.0	122.0	129.3	286.4	495.9	600.7	602.5	606.1	608.8	593.7
102.5°	77.4	104.5	131.5	138.3	297.7	510.2	616.4	648.0	711.1	758.4	745.5
105°	100.2	123.1	145.9	151.6	306.0	511.7	614.6	685.4	826.9	933.1	926.2
107.5°	123.5	144.8	166.2	171.5	307.6	489.0	579.7	678.4	875.9	1024.0	1025.7
110°	139.1	158.4	177.7	182.6	305.2	468.8	550.6	661.0	881.7	1047.3	1054.6

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	154.7	173.0	191.4	195.9	305.3	451.2	524.1	637.1	863.0	1032.5	1043.6
115°	177.9	194.9	211.8	216.1	308.1	430.9	492.3	601.2	818.8	982.1	997.5
117.5°	200.9	216.3	231.7	235.6	313.9	418.3	470.5	568.8	765.2	912.5	929.7
120°	214.2	228.8	243.3	246.9	318.5	414.0	461.7	551.5	731.0	865.6	882.3
122.5°	227.4	242.1	256.6	260.3	325.2	411.7	455.0	535.9	697.5	818.7	835.1
125°	247.5	260.9	274.2	277.5	334.3	410.0	447.8	516.4	653.7	756.7	771.8
127.5°	263.8	277.2	290.7	294.1	343.3	408.9	441.7	500.6	618.5	706.9	719.7
130°	272.5	287.0	301.6	305.1	349.9	409.5	439.3	491.9	596.8	675.5	687.3
132.5°	281.6	296.0	310.6	314.1	355.2	410.0	437.3	484.3	578.3	648.7	659.3
135°	295.0	308.1	321.3	324.6	361.0	409.6	433.8	473.2	551.8	610.9	620.0
137.5°	308.6	321.7	334.7	338.0	369.8	412.1	433.2	466.5	532.9	582.9	590.3
140°	320.0	332.0	344.1	347.1	375.1	412.5	431.2	459.9	517.3	560.5	567.4
142.5°	328.7	339.8	351.0	353.8	379.6	414.0	431.2	456.4	506.9	544.8	550.8
145°	342.2	351.8	361.5	364.0	385.4	414.0	428.3	448.9	490.2	521.1	525.7
147.5°	355.5	364.9	374.4	376.7	393.9	416.9	428.3	444.6	477.0	501.4	505.1
150°	364.2	372.8	381.3	383.4	398.4	418.3	428.3	442.1	469.5	490.0	493.0
152.5°	373.3	379.8	386.1	387.8	401.3	419.3	428.3	440.0	463.5	481.0	483.3
155°	386.6	391.4	396.2	397.4	407.7	421.4	428.3	437.6	456.3	470.3	471.8
157.5°	396.5	401.2	405.9	407.1	414.2	423.5	428.3	435.6	450.0	460.9	461.9
160°	403.3	406.9	410.6	411.4	417.1	424.5	428.3	434.5	446.9	456.2	456.8
162.5°	410.0	412.7	415.4	416.1	420.2	425.6	428.3	433.5	444.0	451.8	452.4
165°	417.3	419.7	422.2	422.8	424.6	427.0	428.3	432.1	439.5	445.2	445.7
167.5°	423.9	425.1	426.3	426.6	428.1	430.1	431.2	433.6	438.6	442.3	442.5
170°	428.3	429.5	430.6	430.9	431.0	431.1	431.2	433.6	438.6	442.3	442.3
172.5°	430.6	430.9	431.1	431.2	431.2	431.2	431.2	433.1	437.0	439.9	439.7
175°	433.8	433.8	433.8	433.8	432.9	431.8	431.2	432.5	434.9	436.7	436.7
177.5°	433.8	433.8	433.8	433.8	433.1	432.3	431.8	432.8	434.7	436.1	435.9
180°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5332.4	5317.7	5332.4	5322.6	5327.6	5312.7	5268.5	5253.7	5268.5	5283.3	5283.3
5°	5396.4	5386.6	5396.4	5396.4	5391.5	5381.6	5332.4	5322.6	5332.4	5337.3	5327.6
7.5°	5416.0	5401.3	5416.0	5406.2	5406.2	5396.4	5347.2	5337.3	5342.3	5357.0	5342.3
10°	5416.0	5401.3	5416.0	5411.2	5406.2	5396.4	5347.2	5327.6	5327.6	5342.3	5327.6
12.5°	5391.5	5381.6	5391.5	5381.6	5381.6	5371.7	5322.6	5302.9	5307.8	5312.7	5293.1
15°	5352.1	5337.3	5352.1	5342.3	5347.2	5332.4	5278.3	5258.7	5258.7	5268.5	5234.1
17.5°	5293.1	5273.4	5293.1	5288.1	5283.3	5273.4	5224.2	5204.5	5199.7	5204.5	5180.0
20°	5224.2	5209.4	5224.2	5219.3	5219.3	5199.7	5150.4	5125.8	5125.8	5125.8	5101.2
22.5°	5116.0	5101.2	5116.0	5125.8	5125.8	5120.9	5076.6	5042.2	5032.4	5032.4	5002.9
25°	4993.0	4978.2	4993.0	4993.0	4988.1	4993.0	4978.2	4958.6	4943.8	4929.1	4899.6
27.5°	4874.9	4865.2	4874.9	4865.2	4874.9	4860.2	4855.3	4850.3	4830.7	4815.9	4776.6
30°	4756.9	4747.0	4756.9	4747.0	4737.2	4727.4	4702.8	4693.0	4712.6	4702.8	4638.8
32.5°	4609.3	4599.5	4609.3	4609.3	4599.5	4599.5	4560.1	4545.4	4550.3	4579.8	4520.8
35°	4456.8	4442.1	4456.8	4451.9	4456.8	4442.1	4417.5	4412.5	4392.9	4427.3	4383.0
37.5°	4279.7	4265.0	4279.7	4279.7	4279.7	4289.6	4269.9	4255.2	4225.6	4269.9	4235.5
40°	4097.7	4078.0	4097.7	4092.8	4097.7	4107.6	4097.7	4087.9	4058.4	4092.8	4063.3
42.5°	3891.1	3886.2	3891.1	3896.1	3896.1	3915.7	3930.5	3910.8	3900.9	3876.4	3896.1
45°	3669.7	3659.9	3669.7	3679.6	3684.5	3694.3	3738.6	3738.6	3723.9	3684.5	3714.0
47.5°	3433.7	3409.0	3433.7	3463.1	3463.1	3477.9	3522.1	3556.6	3532.0	3482.8	3497.6
50°	3182.8	3187.6	3182.8	3202.4	3202.4	3256.5	3290.9	3325.4	3350.0	3290.9	3222.1
52.5°	2936.7	2931.9	2936.7	2951.6	2971.2	2995.8	3054.9	3089.3	3128.6	3094.2	2986.0
55°	2690.8	2700.7	2690.8	2695.8	2705.5	2720.4	2808.8	2843.3	2917.1	2872.8	2759.7
57.5°	2444.9	2430.1	2444.9	2454.7	2459.6	2474.3	2548.2	2612.1	2656.4	2661.3	2523.6
60°	2159.5	2139.8	2159.5	2203.8	2213.7	2223.5	2292.4	2351.4	2390.7	2405.5	2262.8
62.5°	1908.6	1874.2	1908.6	1938.2	1957.9	1982.5	2031.6	2120.2	2154.6	2159.5	1957.9
65°	1643.0	1628.3	1643.0	1702.0	1707.0	1736.4	1790.6	1854.6	1928.3	1918.5	1628.3
67.5°	1401.9	1401.9	1401.9	1441.3	1470.8	1485.6	1554.5	1584.0	1677.4	1687.3	1357.7
70°	1180.6	1175.7	1180.6	1210.1	1229.8	1264.3	1328.2	1362.6	1436.4	1461.0	1101.9
72.5°	969.1	964.2	969.1	993.7	1013.4	1042.8	1097.0	1136.3	1200.3	1229.8	855.9
75°	782.2	772.3	782.2	801.8	796.9	836.2	880.5	919.9	978.9	998.6	634.6
77.5°	600.1	600.1	600.1	619.9	619.9	659.2	678.9	728.0	762.5	792.0	467.3
80°	447.7	442.7	447.7	452.5	452.5	472.3	506.7	541.1	570.6	570.6	319.8
82.5°	314.8	304.9	314.8	314.8	314.8	324.7	344.4	354.2	373.8	388.7	201.6
85°	196.8	196.8	196.8	201.6	196.8	206.6	211.5	221.3	221.3	211.5	123.0
87.5°	127.9	123.0	127.9	123.0	123.0	118.0	118.0	118.0	113.2	108.2	68.9
90°	11.0	11.0	11.0	11.0	11.0	14.7	19.7	22.1	19.0	12.8	8.1
92.5°	44.4	35.6	44.4	53.1	55.3	78.4	109.2	124.6	109.4	79.0	56.2
95°	154.5	127.8	154.5	181.1	187.8	246.6	325.0	364.2	307.7	194.4	109.5
97.5°	370.2	319.4	370.2	420.8	433.5	470.7	520.3	545.1	450.7	261.8	120.3
100°	533.3	472.9	533.3	593.7	608.8	606.1	602.5	600.7	495.9	286.4	129.3
102.5°	693.7	642.0	693.7	745.5	758.4	711.1	648.0	616.4	510.2	297.7	138.3
105°	898.4	870.5	898.4	926.2	933.1	826.9	685.4	614.6	511.7	306.0	151.6
107.5°	1032.5	1039.2	1032.5	1025.7	1024.0	875.9	678.4	579.7	489.0	307.6	171.5
110°	1083.5	1112.5	1083.5	1054.6	1047.3	881.7	661.0	550.6	468.8	305.2	182.6

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1088.1	1132.6	1088.1	1043.6	1032.5	863.0	637.1	524.1	451.2	305.3	195.9
115°	1059.2	1120.9	1059.2	997.5	982.1	818.8	601.2	492.3	430.9	308.1	216.1
117.5°	998.1	1066.5	998.1	929.7	912.5	765.2	568.8	470.5	418.3	313.9	235.6
120°	948.7	1015.2	948.7	882.3	865.6	731.0	551.5	461.7	414.0	318.5	246.9
122.5°	900.8	966.4	900.8	835.1	818.7	697.5	535.9	455.0	411.7	325.2	260.3
125°	832.2	892.6	832.2	771.8	756.7	653.7	516.4	447.8	410.0	334.3	277.5
127.5°	770.6	821.6	770.6	719.7	706.9	618.5	500.6	441.7	408.9	343.3	294.1
130°	734.4	781.5	734.4	687.3	675.5	596.8	491.9	439.3	409.5	349.9	305.1
132.5°	701.5	743.6	701.5	659.3	648.7	578.3	484.3	437.3	410.0	355.2	314.1
135°	656.3	692.6	656.3	620.0	610.9	551.8	473.2	433.8	409.6	361.0	324.6
137.5°	620.1	649.9	620.1	590.3	582.9	532.9	466.5	433.2	412.1	369.8	338.0
140°	595.3	623.1	595.3	567.4	560.5	517.3	459.9	431.2	412.5	375.1	347.1
142.5°	574.7	598.6	574.7	550.8	544.8	506.9	456.4	431.2	414.0	379.6	353.8
145°	543.8	561.9	543.8	525.7	521.1	490.2	448.9	428.3	414.0	385.4	364.0
147.5°	520.2	535.2	520.2	505.1	501.4	477.0	444.6	428.3	416.9	393.9	376.7
150°	505.2	517.3	505.2	493.0	490.0	469.5	442.1	428.3	418.3	398.4	383.4
152.5°	492.4	501.7	492.4	483.3	481.0	463.5	440.0	428.3	419.3	401.3	387.8
155°	477.8	483.9	477.8	471.8	470.3	456.3	437.6	428.3	421.4	407.7	397.4
157.5°	466.3	470.5	466.3	461.9	460.9	450.0	435.6	428.3	423.5	414.2	407.1
160°	459.3	461.7	459.3	456.8	456.2	446.9	434.5	428.3	424.5	417.1	411.4
162.5°	454.8	457.1	454.8	452.4	451.8	444.0	433.5	428.3	425.6	420.2	416.1
165°	448.3	450.7	448.3	445.7	445.2	439.5	432.1	428.3	427.0	424.6	422.8
167.5°	443.5	444.6	443.5	442.5	442.3	438.6	433.6	431.2	430.1	428.1	426.6
170°	442.3	442.3	442.3	442.3	442.3	438.6	433.6	431.2	431.1	431.0	430.9
172.5°	438.8	437.9	438.8	439.7	439.9	437.0	433.1	431.2	431.2	431.2	431.2
175°	436.7	436.7	436.7	436.7	436.7	434.9	432.5	431.2	431.8	432.9	433.8
177.5°	434.9	433.8	434.9	435.9	436.1	434.7	432.8	431.8	432.3	433.1	433.8
180°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5273.4	5243.9	5243.9	5194.7	5175.0	5160.3	5135.7	5061.9	5042.2	5022.5	5052.1
5°	5317.7	5263.6	5224.2	5135.7	5061.9	5032.4	4938.9	4761.8	4643.7	4555.2	4506.0
7.5°	5327.6	5258.7	5184.8	5047.1	4870.0	4791.3	4506.0	4181.3	4092.8	4014.1	3964.9
10°	5317.7	5239.0	5135.7	4929.1	4510.9	4373.2	4087.9	3876.4	3822.2	3807.5	3822.2
12.5°	5283.3	5209.4	5066.8	4722.4	4137.0	4043.6	3876.4	3753.3	3743.5	3768.2	3900.9
15°	5224.2	5155.4	4988.1	4446.9	3930.5	3861.6	3743.5	3699.3	3753.3	3925.5	4324.0
17.5°	5165.2	5086.5	4879.9	4176.4	3773.1	3723.9	3640.2	3728.8	4033.8	4265.0	4397.8
20°	5086.5	4993.0	4756.9	3979.7	3659.9	3615.6	3576.3	3974.7	4205.9	4289.6	4363.3
22.5°	4993.0	4894.6	4589.7	3841.9	3541.9	3507.4	3532.0	4112.4	4205.9	4265.0	4328.9
25°	4870.0	4786.4	4392.9	3733.7	3448.4	3409.0	3502.5	4097.7	4151.8	4166.6	4294.5
27.5°	4756.9	4648.7	4186.3	3635.3	3335.2	3320.5	3527.1	4033.8	4073.1	4087.9	4225.6
30°	4619.1	4456.8	3955.1	3532.0	3217.2	3212.2	3532.0	3955.1	3945.2	3984.5	4122.3
32.5°	4476.5	4171.5	3694.3	3404.1	3104.0	3099.2	3497.6	3836.9	3827.2	3881.2	3984.5
35°	4343.6	3950.1	3340.1	3256.5	2961.4	2966.3	3414.0	3699.3	3704.2	3753.3	3817.3
37.5°	4205.9	3758.3	2951.6	3094.2	2823.7	2823.7	3300.8	3571.3	3561.6	3576.3	3664.9
40°	4043.6	3458.2	2607.2	2882.7	2695.8	2680.9	3163.1	3433.7	3399.2	3394.3	3517.3
42.5°	3871.4	3128.6	2351.4	2602.2	2548.2	2528.5	2995.8	3266.4	3202.4	3217.2	3374.5
45°	3684.5	3040.0	2154.6	2198.9	2395.7	2380.9	2813.8	3074.5	3030.3	3069.6	3231.9
47.5°	3497.6	2863.0	2090.7	1825.0	2233.4	2228.4	2612.1	2887.6	2863.0	2902.3	3074.5
50°	3241.8	2666.2	2085.8	1564.4	2051.3	2070.9	2371.0	2705.5	2705.5	2740.0	2922.0
52.5°	2912.1	2425.2	1893.9	1416.8	1839.7	1898.9	2159.5	2548.2	2558.0	2592.5	2754.8
55°	2612.1	2174.3	1756.1	1303.6	1588.9	1716.8	1952.9	2385.8	2405.5	2439.9	2587.5
57.5°	2336.6	1810.3	1726.7	1170.7	1357.7	1480.7	1770.9	2228.4	2238.3	2267.8	2410.4
60°	2041.5	1308.5	1584.0	1028.1	1156.0	1249.5	1603.7	2041.5	2075.9	2095.6	2218.5
62.5°	1707.0	949.4	1436.4	929.8	1057.7	1077.3	1465.9	1864.4	1908.6	1923.4	1997.2
65°	1215.0	796.9	1220.0	846.1	954.4	959.2	1318.3	1682.4	1721.7	1746.3	1800.4
67.5°	821.5	649.3	929.8	767.4	875.6	880.5	1175.7	1470.8	1524.9	1544.7	1579.1
70°	570.6	432.9	688.7	683.7	787.1	796.9	1023.2	1279.0	1328.2	1342.9	1362.6
72.5°	418.1	349.2	570.6	614.9	693.6	703.5	865.8	1062.5	1111.7	1126.5	1136.3
75°	319.8	368.9	462.4	536.1	590.3	595.3	708.3	865.8	900.2	910.1	914.9
77.5°	255.8	344.4	339.4	432.9	482.1	472.3	555.9	669.0	698.6	698.6	698.6
80°	191.9	270.5	255.8	309.9	354.2	344.4	398.5	477.1	487.0	496.8	492.0
82.5°	142.6	172.2	172.2	196.8	236.1	226.3	265.6	309.9	309.9	309.9	319.8
85°	88.6	98.4	78.7	103.3	132.8	127.9	147.6	167.2	172.2	172.2	162.3
87.5°	54.1	44.3	24.6	39.3	59.0	59.0	68.9	73.7	68.9	68.9	68.9
90°	7.6	5.2	2.9	5.2	7.6	8.1	12.8	19.0	22.1	19.7	14.7
92.5°	51.3	31.4	11.6	31.4	51.3	56.2	79.0	109.4	124.6	109.2	78.4
95°	100.4	64.1	27.9	64.1	100.4	109.5	194.4	307.7	364.2	325.0	246.6
97.5°	112.3	80.3	48.4	80.3	112.3	120.3	261.8	450.7	545.1	520.3	470.7
100°	122.0	93.0	64.1	93.0	122.0	129.3	286.4	495.9	600.7	602.5	606.1
102.5°	131.5	104.5	77.4	104.5	131.5	138.3	297.7	510.2	616.4	648.0	711.1
105°	145.9	123.1	100.2	123.1	145.9	151.6	306.0	511.7	614.6	685.4	826.9
107.5°	166.2	144.8	123.5	144.8	166.2	171.5	307.6	489.0	579.7	678.4	875.9
110°	177.7	158.4	139.1	158.4	177.7	182.6	305.2	468.8	550.6	661.0	881.7

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	191.4	173.0	154.7	173.0	191.4	195.9	305.3	451.2	524.1	637.1	863.0
115°	211.8	194.9	177.9	194.9	211.8	216.1	308.1	430.9	492.3	601.2	818.8
117.5°	231.7	216.3	200.9	216.3	231.7	235.6	313.9	418.3	470.5	568.8	765.2
120°	243.3	228.8	214.2	228.8	243.3	246.9	318.5	414.0	461.7	551.5	731.0
122.5°	256.6	242.1	227.4	242.1	256.6	260.3	325.2	411.7	455.0	535.9	697.5
125°	274.2	260.9	247.5	260.9	274.2	277.5	334.3	410.0	447.8	516.4	653.7
127.5°	290.7	277.2	263.8	277.2	290.7	294.1	343.3	408.9	441.7	500.6	618.5
130°	301.6	287.0	272.5	287.0	301.6	305.1	349.9	409.5	439.3	491.9	596.8
132.5°	310.6	296.0	281.6	296.0	310.6	314.1	355.2	410.0	437.3	484.3	578.3
135°	321.3	308.1	295.0	308.1	321.3	324.6	361.0	409.6	433.8	473.2	551.8
137.5°	334.7	321.7	308.6	321.7	334.7	338.0	369.8	412.1	433.2	466.5	532.9
140°	344.1	332.0	320.0	332.0	344.1	347.1	375.1	412.5	431.2	459.9	517.3
142.5°	351.0	339.8	328.7	339.8	351.0	353.8	379.6	414.0	431.2	456.4	506.9
145°	361.5	351.8	342.2	351.8	361.5	364.0	385.4	414.0	428.3	448.9	490.2
147.5°	374.4	364.9	355.5	364.9	374.4	376.7	393.9	416.9	428.3	444.6	477.0
150°	381.3	372.8	364.2	372.8	381.3	383.4	398.4	418.3	428.3	442.1	469.5
152.5°	386.1	379.8	373.3	379.8	386.1	387.8	401.3	419.3	428.3	440.0	463.5
155°	396.2	391.4	386.6	391.4	396.2	397.4	407.7	421.4	428.3	437.6	456.3
157.5°	405.9	401.2	396.5	401.2	405.9	407.1	414.2	423.5	428.3	435.6	450.0
160°	410.6	406.9	403.3	406.9	410.6	411.4	417.1	424.5	428.3	434.5	446.9
162.5°	415.4	412.7	410.0	412.7	415.4	416.1	420.2	425.6	428.3	433.5	444.0
165°	422.2	419.7	417.3	419.7	422.2	422.8	424.6	427.0	428.3	432.1	439.5
167.5°	426.3	425.1	423.9	425.1	426.3	426.6	428.1	430.1	431.2	433.6	438.6
170°	430.6	429.5	428.3	429.5	430.6	430.9	431.0	431.1	431.2	433.6	438.6
172.5°	431.1	430.9	430.6	430.9	431.1	431.2	431.2	431.2	431.2	433.1	437.0
175°	433.8	433.8	433.8	433.8	433.8	433.8	432.9	431.8	431.2	432.5	434.9
177.5°	433.8	433.8	433.8	433.8	433.8	433.8	433.1	432.3	431.8	432.8	434.7
180°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5017.6	5002.9	5022.5	4968.5	5022.5	5002.9	5017.6	5052.1	5022.5	5042.2	5061.9
5°	4402.7	4378.1	4299.4	4235.5	4299.4	4378.1	4402.7	4506.0	4555.2	4643.7	4761.8
7.5°	3935.4	3915.7	3896.1	3856.7	3896.1	3915.7	3935.4	3964.9	4014.1	4092.8	4181.3
10°	3832.1	3836.9	3866.5	3861.6	3866.5	3836.9	3832.1	3822.2	3807.5	3822.2	3876.4
12.5°	4097.7	4142.0	4304.3	4294.5	4304.3	4142.0	4097.7	3900.9	3768.2	3743.5	3753.3
15°	4402.7	4417.5	4451.9	4456.8	4451.9	4417.5	4402.7	4324.0	3925.5	3753.3	3699.3
17.5°	4432.2	4437.1	4461.8	4461.8	4461.8	4437.1	4432.2	4397.8	4265.0	4033.8	3728.8
20°	4407.6	4417.5	4466.7	4476.5	4466.7	4417.5	4407.6	4363.3	4289.6	4205.9	3974.7
22.5°	4397.8	4417.5	4456.8	4451.9	4456.8	4417.5	4397.8	4328.9	4265.0	4205.9	4112.4
25°	4348.6	4348.6	4353.5	4358.5	4353.5	4348.6	4348.6	4294.5	4166.6	4151.8	4097.7
27.5°	4245.3	4255.2	4284.6	4279.7	4284.6	4255.2	4245.3	4225.6	4087.9	4073.1	4033.8
30°	4151.8	4142.0	4117.4	4097.7	4117.4	4142.0	4151.8	4122.3	3984.5	3945.2	3955.1
32.5°	3994.4	3969.8	3945.2	3930.5	3945.2	3969.8	3994.4	3984.5	3881.2	3827.2	3836.9
35°	3807.5	3812.4	3807.5	3792.8	3807.5	3812.4	3807.5	3817.3	3753.3	3704.2	3699.3
37.5°	3674.6	3684.5	3679.6	3659.9	3679.6	3684.5	3674.6	3664.9	3576.3	3561.6	3571.3
40°	3536.9	3541.9	3536.9	3522.1	3536.9	3541.9	3536.9	3517.3	3394.3	3399.2	3433.7
42.5°	3404.1	3399.2	3384.4	3374.5	3384.4	3399.2	3404.1	3374.5	3217.2	3202.4	3266.4
45°	3251.6	3256.5	3227.0	3212.2	3227.0	3256.5	3251.6	3231.9	3069.6	3030.3	3074.5
47.5°	3099.2	3099.2	3074.5	3059.7	3074.5	3099.2	3099.2	3074.5	2902.3	2863.0	2887.6
50°	2936.7	2931.9	2897.4	2892.5	2897.4	2931.9	2936.7	2922.0	2740.0	2705.5	2705.5
52.5°	2749.8	2749.8	2754.8	2764.6	2754.8	2749.8	2749.8	2754.8	2592.5	2558.0	2548.2
55°	2587.5	2592.5	2626.9	2636.7	2626.9	2592.5	2587.5	2587.5	2439.9	2405.5	2385.8
57.5°	2420.3	2420.3	2444.9	2444.9	2444.9	2420.3	2420.3	2410.4	2267.8	2238.3	2228.4
60°	2228.4	2238.3	2258.0	2253.0	2258.0	2238.3	2228.4	2218.5	2095.6	2075.9	2041.5
62.5°	2026.8	2036.5	2041.5	2031.6	2041.5	2036.5	2026.8	1997.2	1923.4	1908.6	1864.4
65°	1815.2	1825.0	1830.0	1820.1	1830.0	1825.0	1815.2	1800.4	1746.3	1721.7	1682.4
67.5°	1598.8	1593.8	1588.9	1608.5	1588.9	1593.8	1598.8	1579.1	1544.7	1524.9	1470.8
70°	1377.3	1377.3	1372.5	1382.3	1372.5	1377.3	1377.3	1362.6	1342.9	1328.2	1279.0
72.5°	1141.3	1136.3	1156.0	1141.3	1156.0	1136.3	1141.3	1136.3	1126.5	1111.7	1062.5
75°	910.1	919.9	910.1	924.8	910.1	919.9	910.1	914.9	910.1	900.2	865.8
77.5°	693.6	703.5	693.6	693.6	693.6	703.5	693.6	698.6	698.6	698.6	669.0
80°	492.0	487.0	487.0	482.1	487.0	487.0	492.0	492.0	496.8	487.0	477.1
82.5°	314.8	309.9	309.9	319.8	309.9	309.9	314.8	319.8	309.9	309.9	309.9
85°	172.2	177.1	167.2	167.2	167.2	177.1	172.2	162.3	172.2	172.2	167.2
87.5°	64.0	59.0	59.0	59.0	59.0	59.0	64.0	68.9	68.9	68.9	73.7
90°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.7	19.7	22.1	19.0
92.5°	55.3	53.1	44.4	35.6	44.4	53.1	55.3	78.4	109.2	124.6	109.4
95°	187.8	181.1	154.5	127.8	154.5	181.1	187.8	246.6	325.0	364.2	307.7
97.5°	433.5	420.8	370.2	319.4	370.2	420.8	433.5	470.7	520.3	545.1	450.7
100°	608.8	593.7	533.3	472.9	533.3	593.7	608.8	606.1	602.5	600.7	495.9
102.5°	758.4	745.5	693.7	642.0	693.7	745.5	758.4	711.1	648.0	616.4	510.2
105°	933.1	926.2	898.4	870.5	898.4	926.2	933.1	826.9	685.4	614.6	511.7
107.5°	1024.0	1025.7	1032.5	1039.2	1032.5	1025.7	1024.0	875.9	678.4	579.7	489.0
110°	1047.3	1054.6	1083.5	1112.5	1083.5	1054.6	1047.3	881.7	661.0	550.6	468.8

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1032.5	1043.6	1088.1	1132.6	1088.1	1043.6	1032.5	863.0	637.1	524.1	451.2
115°	982.1	997.5	1059.2	1120.9	1059.2	997.5	982.1	818.8	601.2	492.3	430.9
117.5°	912.5	929.7	998.1	1066.5	998.1	929.7	912.5	765.2	568.8	470.5	418.3
120°	865.6	882.3	948.7	1015.2	948.7	882.3	865.6	731.0	551.5	461.7	414.0
122.5°	818.7	835.1	900.8	966.4	900.8	835.1	818.7	697.5	535.9	455.0	411.7
125°	756.7	771.8	832.2	892.6	832.2	771.8	756.7	653.7	516.4	447.8	410.0
127.5°	706.9	719.7	770.6	821.6	770.6	719.7	706.9	618.5	500.6	441.7	408.9
130°	675.5	687.3	734.4	781.5	734.4	687.3	675.5	596.8	491.9	439.3	409.5
132.5°	648.7	659.3	701.5	743.6	701.5	659.3	648.7	578.3	484.3	437.3	410.0
135°	610.9	620.0	656.3	692.6	656.3	620.0	610.9	551.8	473.2	433.8	409.6
137.5°	582.9	590.3	620.1	649.9	620.1	590.3	582.9	532.9	466.5	433.2	412.1
140°	560.5	567.4	595.3	623.1	595.3	567.4	560.5	517.3	459.9	431.2	412.5
142.5°	544.8	550.8	574.7	598.6	574.7	550.8	544.8	506.9	456.4	431.2	414.0
145°	521.1	525.7	543.8	561.9	543.8	525.7	521.1	490.2	448.9	428.3	414.0
147.5°	501.4	505.1	520.2	535.2	520.2	505.1	501.4	477.0	444.6	428.3	416.9
150°	490.0	493.0	505.2	517.3	505.2	493.0	490.0	469.5	442.1	428.3	418.3
152.5°	481.0	483.3	492.4	501.7	492.4	483.3	481.0	463.5	440.0	428.3	419.3
155°	470.3	471.8	477.8	483.9	477.8	471.8	470.3	456.3	437.6	428.3	421.4
157.5°	460.9	461.9	466.3	470.5	466.3	461.9	460.9	450.0	435.6	428.3	423.5
160°	456.2	456.8	459.3	461.7	459.3	456.8	456.2	446.9	434.5	428.3	424.5
162.5°	451.8	452.4	454.8	457.1	454.8	452.4	451.8	444.0	433.5	428.3	425.6
165°	445.2	445.7	448.3	450.7	448.3	445.7	445.2	439.5	432.1	428.3	427.0
167.5°	442.3	442.5	443.5	444.6	443.5	442.5	442.3	438.6	433.6	431.2	430.1
170°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	438.6	433.6	431.2	431.1
172.5°	439.9	439.7	438.8	437.9	438.8	439.7	439.9	437.0	433.1	431.2	431.2
175°	436.7	436.7	436.7	436.7	436.7	436.7	436.7	434.9	432.5	431.2	431.8
177.5°	436.1	435.9	434.9	433.8	434.9	435.9	436.1	434.7	432.8	431.8	432.3
180°	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8	433.8

TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5135.7	5160.3	5175.0	5194.7	5243.9
5°	4938.9	5032.4	5061.9	5135.7	5224.2
7.5°	4506.0	4791.3	4870.0	5047.1	5184.8
10°	4087.9	4373.2	4510.9	4929.1	5135.7
12.5°	3876.4	4043.6	4137.0	4722.4	5066.8
15°	3743.5	3861.6	3930.5	4446.9	4988.1
17.5°	3640.2	3723.9	3773.1	4176.4	4879.9
20°	3576.3	3615.6	3659.9	3979.7	4756.9
22.5°	3532.0	3507.4	3541.9	3841.9	4589.7
25°	3502.5	3409.0	3448.4	3733.7	4392.9
27.5°	3527.1	3320.5	3335.2	3635.3	4186.3
30°	3532.0	3212.2	3217.2	3532.0	3955.1
32.5°	3497.6	3099.2	3104.0	3404.1	3694.3
35°	3414.0	2966.3	2961.4	3256.5	3340.1
37.5°	3300.8	2823.7	2823.7	3094.2	2951.6
40°	3163.1	2680.9	2695.8	2882.7	2607.2
42.5°	2995.8	2528.5	2548.2	2602.2	2351.4
45°	2813.8	2380.9	2395.7	2198.9	2154.6
47.5°	2612.1	2228.4	2233.4	1825.0	2090.7
50°	2371.0	2070.9	2051.3	1564.4	2085.8
52.5°	2159.5	1898.9	1839.7	1416.8	1893.9
55°	1952.9	1716.8	1588.9	1303.6	1756.1
57.5°	1770.9	1480.7	1357.7	1170.7	1726.7
60°	1603.7	1249.5	1156.0	1028.1	1584.0
62.5°	1465.9	1077.3	1057.7	929.8	1436.4
65°	1318.3	959.2	954.4	846.1	1220.0
67.5°	1175.7	880.5	875.6	767.4	929.8
70°	1023.2	796.9	787.1	683.7	688.7
72.5°	865.8	703.5	693.6	614.9	570.6
75°	708.3	595.3	590.3	536.1	462.4
77.5°	555.9	472.3	482.1	432.9	339.4
80°	398.5	344.4	354.2	309.9	255.8
82.5°	265.6	226.3	236.1	196.8	172.2
85°	147.6	127.9	132.8	103.3	78.7
87.5°	68.9	59.0	59.0	39.3	24.6
90°	12.8	8.1	7.6	5.2	2.9
92.5°	79.0	56.2	51.3	31.4	11.6
95°	194.4	109.5	100.4	64.1	27.9
97.5°	261.8	120.3	112.3	80.3	48.4
100°	286.4	129.3	122.0	93.0	64.1
102.5°	297.7	138.3	131.5	104.5	77.4
105°	306.0	151.6	145.9	123.1	100.2
107.5°	307.6	171.5	166.2	144.8	123.5
110°	305.2	182.6	177.7	158.4	139.1



TEST NUMBER: P934197

CATALOG NUMBER: SQ4-FA-025U-125D-B35-1D-UNV-W2A-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	305.3	195.9	191.4	173.0	154.7
115°	308.1	216.1	211.8	194.9	177.9
117.5°	313.9	235.6	231.7	216.3	200.9
120°	318.5	246.9	243.3	228.8	214.2
122.5°	325.2	260.3	256.6	242.1	227.4
125°	334.3	277.5	274.2	260.9	247.5
127.5°	343.3	294.1	290.7	277.2	263.8
130°	349.9	305.1	301.6	287.0	272.5
132.5°	355.2	314.1	310.6	296.0	281.6
135°	361.0	324.6	321.3	308.1	295.0
137.5°	369.8	338.0	334.7	321.7	308.6
140°	375.1	347.1	344.1	332.0	320.0
142.5°	379.6	353.8	351.0	339.8	328.7
145°	385.4	364.0	361.5	351.8	342.2
147.5°	393.9	376.7	374.4	364.9	355.5
150°	398.4	383.4	381.3	372.8	364.2
152.5°	401.3	387.8	386.1	379.8	373.3
155°	407.7	397.4	396.2	391.4	386.6
157.5°	414.2	407.1	405.9	401.2	396.5
160°	417.1	411.4	410.6	406.9	403.3
162.5°	420.2	416.1	415.4	412.7	410.0
165°	424.6	422.8	422.2	419.7	417.3
167.5°	428.1	426.6	426.3	425.1	423.9
170°	431.0	430.9	430.6	429.5	428.3
172.5°	431.2	431.2	431.1	430.9	430.6
175°	432.9	433.8	433.8	433.8	433.8
177.5°	433.1	433.8	433.8	433.8	433.8
180°	433.8	433.8	433.8	433.8	433.8

(END OF REPORT)