

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: P934999

Luminaire Tested: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934999
REPORT IS A COMBINATION OF REPORTS P933719 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

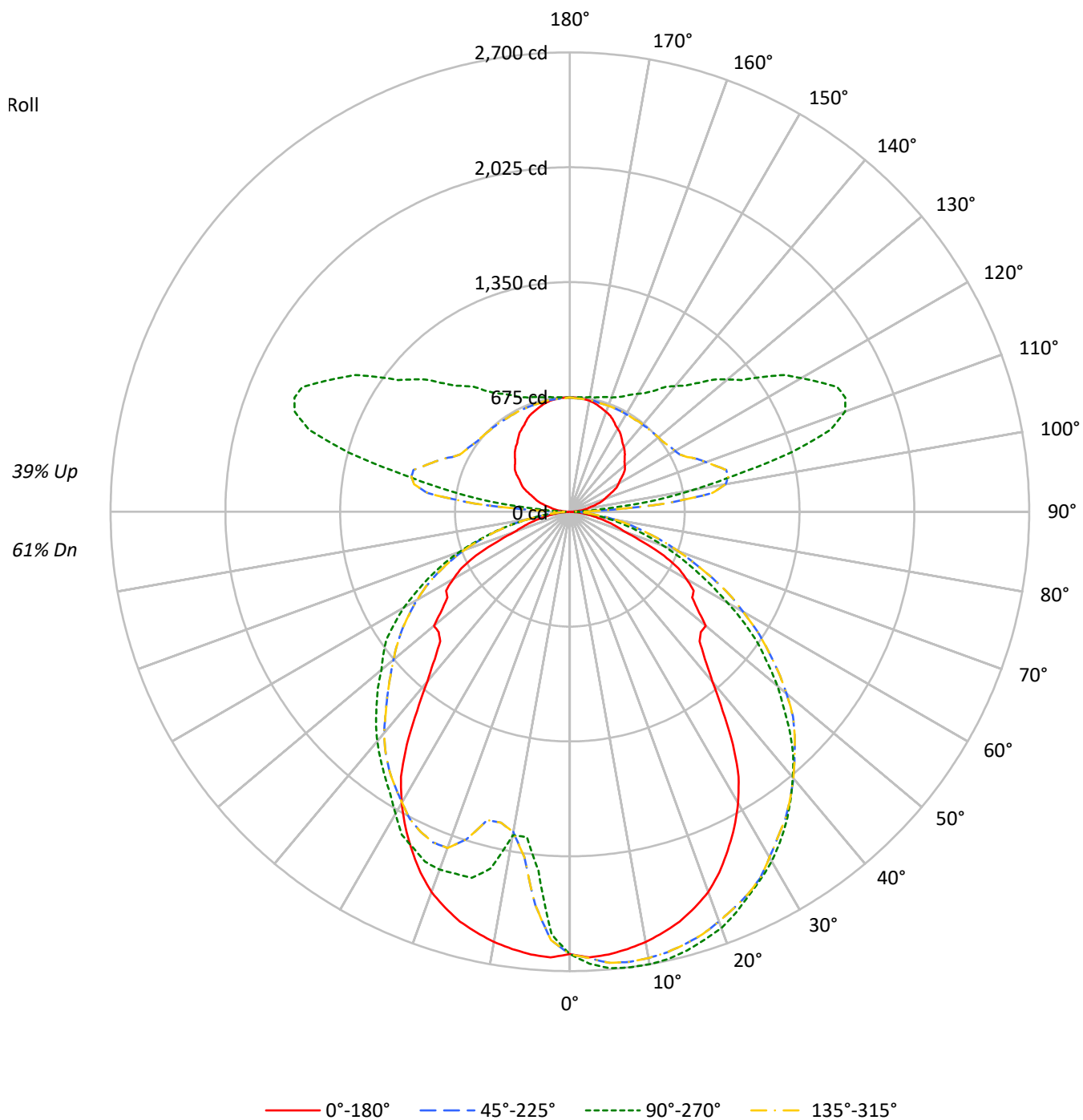
Lumens per Lamp: N/A
Luminaire Lumens: 11095.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 93
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16196	16233	16196	12765
10°	16082	15991	16082	11432
15°	15901	15645	15901	13063
20°	15562	15234	15562	13091
25°	14875	14636	14875	12813
30°	13990	14139	13990	12205
35°	12466	13510	12466	11535
40°	10381	12770	10381	11030
45°	9269	11904	9269	10448
50°	9840	10870	9840	9864
55°	9249	9757	9249	9526
60°	9524	8287	9524	8726
65°	8621	6851	8621	7658
70°	5955	5459	5955	6419
75°	5202	4035	5202	4833
80°	4163	2667	4163	2905
85°	2343	1413	2343	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	2.1
10°-20°	666.3	6.0
20°-30°	1029.9	9.3
30°-40°	1229.5	11.1
40°-50°	1236.7	11.1
50°-60°	1076.1	9.7
60°-70°	763.0	6.9
70°-80°	403.7	3.6
80°-90°	103.1	0.9
90°-100°	327.2	2.9
100°-110°	860.4	7.8
110°-120°	892.1	8.0
120°-130°	715.6	6.4
130°-140°	561.5	5.1
140°-150°	431.0	3.9
150°-160°	310.4	2.8
160°-170°	189.9	1.7
170°-180°	64.2	0.6
0°-30°	1930.9	17.4
0°-40°	3160.4	28.5
0°-60°	5473.2	49.3
0°-90°	6742.9	60.8
90°-120°	2079.7	18.7
90°-150°	3787.7	34.1
90°-180°	4352.0	39.2
0°-180°	11095.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2600	2600	2600	2600	2600	
5°	2612	2693	2612	2118	2612	248
15°	2494	2668	2494	2228	2494	702
25°	2196	2489	2196	2179	2196	1008
35°	1670	2221	1670	1896	1670	1033
45°	1077	1830	1077	1606	1077	863
55°	878	1350	878	1318	878	807
65°	610	814	610	910	610	583
75°	231	386	231	462	231	243
85°	39	98	39	84	39	53
90°	4	17	4	17	4	5
95°	43	198	43	198	43	48
105°	155	1347	155	1347	155	164
115°	275	1735	275	1735	275	272
125°	383	1382	383	1382	383	340
135°	456	1072	456	1072	456	353
145°	530	870	530	870	530	332
155°	598	749	598	749	598	275
165°	646	698	646	698	646	182
175°	671	676	671	676	671	64
180°	671	671	671	671	671	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2621.7	2621.7	2636.6	2641.4	2641.4	2634.0	2626.7	2634.0	2656.2	2663.6	2661.1
5°	2611.9	2631.6	2658.6	2663.6	2668.5	2666.0	2661.1	2666.0	2690.6	2695.6	2698.0
7.5°	2592.3	2629.1	2663.6	2671.0	2678.3	2671.0	2668.5	2673.4	2698.0	2702.9	2702.9
10°	2567.7	2619.3	2658.6	2663.6	2671.0	2663.6	2663.6	2673.4	2698.0	2702.9	2705.4
12.5°	2533.3	2604.6	2641.4	2646.3	2656.2	2653.7	2651.3	2661.1	2685.7	2690.6	2690.6
15°	2493.9	2577.4	2611.9	2616.9	2634.0	2629.1	2629.1	2639.0	2666.0	2673.4	2671.0
17.5°	2439.7	2543.0	2582.4	2589.7	2602.1	2599.6	2602.1	2611.9	2636.6	2641.4	2643.9
20°	2378.3	2496.3	2543.0	2550.4	2562.7	2562.7	2562.7	2575.0	2599.6	2609.4	2609.4
22.5°	2294.7	2447.1	2496.3	2501.3	2516.0	2516.0	2521.0	2538.1	2560.3	2562.7	2562.7
25°	2196.2	2393.0	2434.8	2449.6	2464.4	2471.7	2479.1	2489.0	2496.3	2493.9	2496.3
27.5°	2092.9	2324.1	2378.3	2388.1	2407.8	2415.1	2425.0	2427.4	2430.0	2437.3	2432.4
30°	1977.3	2228.2	2309.4	2319.2	2351.2	2356.1	2346.3	2351.2	2363.5	2368.4	2373.4
32.5°	1847.0	2085.6	2238.1	2260.2	2289.7	2275.0	2272.5	2279.9	2299.5	2299.5	2304.5
35°	1670.0	1974.9	2171.7	2191.4	2213.5	2196.2	2206.1	2208.5	2220.9	2228.2	2225.8
37.5°	1475.7	1879.0	2102.8	2117.6	2134.8	2112.6	2127.4	2134.8	2144.6	2139.7	2139.7
40°	1303.5	1729.0	2021.6	2031.5	2046.2	2029.0	2043.8	2048.8	2053.6	2048.8	2046.2
42.5°	1175.6	1564.2	1935.6	1947.9	1938.0	1950.3	1955.2	1965.1	1957.7	1947.9	1947.9
45°	1077.2	1520.0	1842.1	1856.9	1842.1	1861.8	1869.2	1869.2	1847.0	1842.1	1839.6
47.5°	1045.3	1431.4	1748.7	1748.7	1741.3	1765.9	1778.2	1761.0	1738.8	1731.4	1731.4
50°	1042.8	1333.1	1620.7	1611.0	1645.4	1674.9	1662.6	1645.4	1628.1	1601.1	1601.1
52.5°	946.9	1212.5	1456.0	1492.8	1547.0	1564.2	1544.5	1527.3	1497.8	1485.5	1475.7
55°	878.0	1087.0	1305.9	1379.8	1436.3	1458.4	1421.5	1404.4	1360.1	1352.7	1347.8
57.5°	863.3	905.0	1168.2	1261.7	1330.5	1328.1	1305.9	1273.9	1237.1	1229.8	1227.2
60°	792.0	654.2	1020.6	1131.3	1202.6	1195.3	1175.6	1146.1	1111.6	1106.8	1101.8
62.5°	718.1	474.7	853.4	978.9	1079.7	1077.2	1060.0	1015.7	991.2	978.9	969.0
65°	610.0	398.5	607.5	814.1	959.2	964.1	927.2	895.3	868.2	853.4	851.0
67.5°	464.8	324.6	410.8	678.8	843.6	838.7	792.0	777.1	742.7	735.4	720.6
70°	344.3	216.5	285.3	550.9	730.4	718.1	681.3	664.1	632.1	614.8	605.0
72.5°	285.3	174.6	209.0	427.9	614.8	600.1	568.1	548.5	521.4	506.7	496.8
75°	231.2	184.5	159.9	317.3	499.2	489.4	459.9	440.2	418.1	398.5	400.9
77.5°	169.7	172.2	127.9	233.6	395.9	381.2	364.0	339.4	329.6	309.9	309.9
80°	127.9	135.3	95.9	159.9	285.3	285.3	270.5	253.3	236.1	226.3	226.3
82.5°	86.0	86.0	71.3	100.9	194.3	186.9	177.0	172.2	162.3	157.4	157.4
85°	39.3	49.2	44.3	61.5	105.7	110.7	110.7	105.7	103.3	98.4	100.9
87.5°	12.3	22.1	27.0	34.4	54.1	56.6	59.0	59.0	59.0	61.5	61.5
90°	4.5	8.0	11.7	12.6	19.8	29.4	34.2	30.4	22.9	17.2	17.2
92.5°	18.0	48.6	79.3	86.9	122.2	169.3	192.8	169.0	121.3	85.6	82.2
95°	43.2	99.3	155.3	169.4	300.8	476.1	563.7	503.0	381.6	290.6	280.3
97.5°	74.8	124.2	173.6	186.0	405.2	697.4	843.5	805.1	728.5	670.9	651.3
100°	99.1	144.0	188.9	200.1	443.2	767.4	929.6	932.4	938.0	942.2	918.8
102.5°	119.9	161.7	203.6	214.1	460.7	789.4	953.9	1002.7	1100.5	1173.7	1153.7
105°	155.0	190.5	226.0	234.8	473.6	792.0	951.2	1060.7	1279.8	1444.1	1433.3
107.5°	191.1	224.1	257.2	265.4	476.0	756.7	897.1	1049.9	1355.5	1584.7	1587.3
110°	215.4	245.3	275.0	282.5	472.3	725.5	852.0	1022.9	1364.5	1620.7	1632.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.2	267.6	296.1	303.2	472.5	698.2	811.1	985.9	1335.5	1597.7	1614.9
115°	275.3	301.6	327.7	334.3	476.8	666.9	761.9	930.3	1267.2	1519.8	1543.6
117.5°	310.9	334.7	358.5	364.5	485.8	647.3	728.1	880.1	1184.1	1412.1	1438.6
120°	331.6	354.1	376.5	382.1	492.9	640.7	714.6	853.5	1131.2	1339.5	1365.3
122.5°	351.9	374.5	397.2	402.8	503.3	637.3	704.3	829.3	1079.4	1267.0	1292.4
125°	382.9	403.6	424.2	429.4	517.3	634.4	693.0	799.2	1011.7	1171.0	1194.4
127.5°	408.2	429.1	449.8	455.0	531.2	632.8	683.5	774.7	957.2	1094.0	1113.8
130°	421.7	444.2	466.6	472.2	541.5	633.8	679.9	761.1	923.6	1045.4	1063.6
132.5°	435.7	458.1	480.5	486.1	549.7	634.4	676.7	749.4	894.9	1003.9	1020.2
135°	456.4	476.8	497.3	502.4	558.7	633.8	671.3	732.2	854.0	945.3	959.3
137.5°	477.6	497.8	518.0	523.1	572.2	637.7	670.5	721.9	824.8	902.0	913.6
140°	495.2	513.8	532.5	537.1	580.5	638.4	667.3	711.7	800.7	867.4	878.1
142.5°	508.7	526.0	543.2	547.5	587.4	640.6	667.3	706.3	784.4	843.0	852.3
145°	529.5	544.5	559.4	563.2	596.4	640.7	662.8	694.8	758.6	806.5	813.5
147.5°	550.1	564.7	579.4	583.0	609.6	645.1	662.8	687.9	738.2	775.9	781.7
150°	563.7	576.8	590.1	593.4	616.6	647.4	662.8	684.0	726.5	758.3	763.1
152.5°	577.6	587.7	597.7	600.2	621.0	648.8	662.8	680.9	717.2	744.4	748.0
155°	598.4	605.7	613.2	615.0	630.9	652.1	662.8	677.2	706.1	727.7	730.0
157.5°	613.7	620.9	628.1	629.9	640.9	655.5	662.8	674.0	696.4	713.3	714.9
160°	624.0	629.7	635.3	636.6	645.4	657.0	662.8	672.4	691.6	706.0	707.0
162.5°	634.4	638.7	642.8	643.9	650.2	658.6	662.8	670.9	687.1	699.3	700.2
165°	645.6	649.5	653.3	654.3	657.1	660.9	662.8	668.6	680.2	689.0	689.9
167.5°	656.0	657.9	659.6	660.1	662.5	665.7	667.3	671.0	678.7	684.4	684.8
170°	662.8	664.6	666.4	666.9	667.0	667.2	667.3	671.0	678.7	684.4	684.4
172.5°	666.4	666.8	667.2	667.3	667.3	667.3	667.3	670.3	676.3	680.8	680.4
175°	671.3	671.3	671.3	671.3	670.0	668.1	667.3	669.2	673.0	675.9	675.9
177.5°	671.3	671.3	671.3	671.3	670.3	668.9	668.2	669.8	672.8	675.0	674.6
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2666.0	2658.6	2666.0	2661.1	2663.6	2656.2	2634.0	2626.7	2634.0	2641.4	2641.4
5°	2698.0	2693.0	2698.0	2698.0	2695.6	2690.6	2666.0	2661.1	2666.0	2668.5	2663.6
7.5°	2707.9	2700.5	2707.9	2702.9	2702.9	2698.0	2673.4	2668.5	2671.0	2678.3	2671.0
10°	2707.9	2700.5	2707.9	2705.4	2702.9	2698.0	2673.4	2663.6	2663.6	2671.0	2663.6
12.5°	2695.6	2690.6	2695.6	2690.6	2690.6	2685.7	2661.1	2651.3	2653.7	2656.2	2646.3
15°	2675.9	2668.5	2675.9	2671.0	2673.4	2666.0	2639.0	2629.1	2629.1	2634.0	2616.9
17.5°	2646.3	2636.6	2646.3	2643.9	2641.4	2636.6	2611.9	2602.1	2599.6	2602.1	2589.7
20°	2611.9	2604.6	2611.9	2609.4	2609.4	2599.6	2575.0	2562.7	2562.7	2562.7	2550.4
22.5°	2557.8	2550.4	2557.8	2562.7	2562.7	2560.3	2538.1	2521.0	2516.0	2516.0	2501.3
25°	2496.3	2489.0	2496.3	2496.3	2493.9	2496.3	2489.0	2479.1	2471.7	2464.4	2449.6
27.5°	2437.3	2432.4	2437.3	2432.4	2437.3	2430.0	2427.4	2425.0	2415.1	2407.8	2388.1
30°	2378.3	2373.4	2378.3	2373.4	2368.4	2363.5	2351.2	2346.3	2356.1	2351.2	2319.2
32.5°	2304.5	2299.5	2304.5	2304.5	2299.5	2299.5	2279.9	2272.5	2275.0	2289.7	2260.2
35°	2228.2	2220.9	2228.2	2225.8	2228.2	2220.9	2208.5	2206.1	2196.2	2213.5	2191.4
37.5°	2139.7	2132.3	2139.7	2139.7	2139.7	2144.6	2134.8	2127.4	2112.6	2134.8	2117.6
40°	2048.8	2038.9	2048.8	2046.2	2048.8	2053.6	2048.8	2043.8	2029.0	2046.2	2031.5
42.5°	1945.5	1942.9	1945.5	1947.9	1947.9	1957.7	1965.1	1955.2	1950.3	1938.0	1947.9
45°	1834.7	1829.9	1834.7	1839.6	1842.1	1847.0	1869.2	1869.2	1861.8	1842.1	1856.9
47.5°	1716.7	1704.4	1716.7	1731.4	1731.4	1738.8	1761.0	1778.2	1765.9	1741.3	1748.7
50°	1591.3	1593.7	1591.3	1601.1	1601.1	1628.1	1645.4	1662.6	1674.9	1645.4	1611.0
52.5°	1468.3	1465.8	1468.3	1475.7	1485.5	1497.8	1527.3	1544.5	1564.2	1547.0	1492.8
55°	1345.3	1350.2	1345.3	1347.8	1352.7	1360.1	1404.4	1421.5	1458.4	1436.3	1379.8
57.5°	1222.3	1214.9	1222.3	1227.2	1229.8	1237.1	1273.9	1305.9	1328.1	1330.5	1261.7
60°	1079.7	1069.9	1079.7	1101.8	1106.8	1111.6	1146.1	1175.6	1195.3	1202.6	1131.3
62.5°	954.3	937.0	954.3	969.0	978.9	991.2	1015.7	1060.0	1077.2	1079.7	978.9
65°	821.4	814.1	821.4	851.0	853.4	868.2	895.3	927.2	964.1	959.2	814.1
67.5°	701.0	701.0	701.0	720.6	735.4	742.7	777.1	792.0	838.7	843.6	678.8
70°	590.2	587.8	590.2	605.0	614.8	632.1	664.1	681.3	718.1	730.4	550.9
72.5°	484.5	482.1	484.5	496.8	506.7	521.4	548.5	568.1	600.1	614.8	427.9
75°	391.1	386.1	391.1	400.9	398.5	418.1	440.2	459.9	489.4	499.2	317.3
77.5°	300.1	300.1	300.1	309.9	309.9	329.6	339.4	364.0	381.2	395.9	233.6
80°	223.8	221.3	223.8	226.3	226.3	236.1	253.3	270.5	285.3	285.3	159.9
82.5°	157.4	152.5	157.4	157.4	157.4	162.3	172.2	177.0	186.9	194.3	100.9
85°	98.4	98.4	98.4	100.9	98.4	103.3	105.7	110.7	110.7	105.7	61.5
87.5°	64.0	61.5	64.0	61.5	61.5	59.0	59.0	59.0	56.6	54.1	34.4
90°	17.2	17.2	17.2	17.2	17.2	22.9	30.4	34.2	29.4	19.8	12.6
92.5°	68.5	54.9	68.5	82.2	85.6	121.3	169.0	192.8	169.3	122.2	86.9
95°	239.1	197.8	239.1	280.3	290.6	381.6	503.0	563.7	476.1	300.8	169.4
97.5°	572.8	494.3	572.8	651.3	670.9	728.5	805.1	843.5	697.4	405.2	186.0
100°	825.2	731.7	825.2	918.8	942.2	938.0	932.4	929.6	767.4	443.2	200.1
102.5°	1073.7	993.5	1073.7	1153.7	1173.7	1100.5	1002.7	953.9	789.4	460.7	214.1
105°	1390.2	1347.2	1390.2	1433.3	1444.1	1279.8	1060.7	951.2	792.0	473.6	234.8
107.5°	1597.7	1608.1	1597.7	1587.3	1584.7	1355.5	1049.9	897.1	756.7	476.0	265.4
110°	1676.8	1721.6	1676.8	1632.0	1620.7	1364.5	1022.9	852.0	725.5	472.3	282.5

TEST NUMBER: P934999

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1683.8	1752.7	1683.8	1614.9	1597.7	1335.5	985.9	811.1	698.2	472.5	303.2
115°	1639.2	1734.7	1639.2	1543.6	1519.8	1267.2	930.3	761.9	666.9	476.8	334.3
117.5°	1544.5	1650.4	1544.5	1438.6	1412.1	1184.1	880.1	728.1	647.3	485.8	364.5
120°	1468.2	1571.1	1468.2	1365.3	1339.5	1131.2	853.5	714.6	640.7	492.9	382.1
122.5°	1393.9	1495.5	1393.9	1292.4	1267.0	1079.4	829.3	704.3	637.3	503.3	402.8
125°	1288.0	1381.5	1288.0	1194.4	1171.0	1011.7	799.2	693.0	634.4	517.3	429.4
127.5°	1192.6	1271.5	1192.6	1113.8	1094.0	957.2	774.7	683.5	632.8	531.2	455.0
130°	1136.4	1209.3	1136.4	1063.6	1045.4	923.6	761.1	679.9	633.8	541.5	472.2
132.5°	1085.5	1150.8	1085.5	1020.2	1003.9	894.9	749.4	676.7	634.4	549.7	486.1
135°	1015.6	1071.9	1015.6	959.3	945.3	854.0	732.2	671.3	633.8	558.7	502.4
137.5°	959.6	1005.7	959.6	913.6	902.0	824.8	721.9	670.5	637.7	572.2	523.1
140°	921.2	964.3	921.2	878.1	867.4	800.7	711.7	667.3	638.4	580.5	537.1
142.5°	889.3	926.4	889.3	852.3	843.0	784.4	706.3	667.3	640.6	587.4	547.5
145°	841.6	869.6	841.6	813.5	806.5	758.6	694.8	662.8	640.7	596.4	563.2
147.5°	804.9	828.1	804.9	781.7	775.9	738.2	687.9	662.8	645.1	609.6	583.0
150°	781.9	800.7	781.9	763.1	758.3	726.5	684.0	662.8	647.4	616.6	593.4
152.5°	762.1	776.4	762.1	748.0	744.4	717.2	680.9	662.8	648.8	621.0	600.2
155°	739.4	748.8	739.4	730.0	727.7	706.1	677.2	662.8	652.1	630.9	615.0
157.5°	721.5	728.1	721.5	714.9	713.3	696.4	674.0	662.8	655.5	640.9	629.9
160°	710.8	714.6	710.8	707.0	706.0	691.6	672.4	662.8	657.0	645.4	636.6
162.5°	703.8	707.4	703.8	700.2	699.3	687.1	670.9	662.8	658.6	650.2	643.9
165°	693.7	697.5	693.7	689.9	689.0	680.2	668.6	662.8	660.9	657.1	654.3
167.5°	686.4	688.0	686.4	684.8	684.4	678.7	671.0	667.3	665.7	662.5	660.1
170°	684.4	684.4	684.4	684.4	684.4	678.7	671.0	667.3	667.2	667.0	666.9
172.5°	679.1	677.6	679.1	680.4	680.8	676.3	670.3	667.3	667.3	667.3	667.3
175°	675.9	675.9	675.9	675.9	675.9	673.0	669.2	667.3	668.1	670.0	671.3
177.5°	673.0	671.3	673.0	674.6	675.0	672.8	669.8	668.2	668.9	670.3	671.3
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

TEST NUMBER: P934999

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2636.6	2621.7	2621.7	2597.2	2587.3	2580.0	2567.7	2530.7	2521.0	2511.1	2525.8
5°	2658.6	2631.6	2611.9	2567.7	2530.7	2516.0	2469.3	2380.7	2321.7	2277.4	2252.8
7.5°	2663.6	2629.1	2592.3	2523.4	2434.8	2395.5	2252.8	2090.5	2046.2	2006.9	1982.3
10°	2658.6	2619.3	2567.7	2464.4	2255.3	2186.5	2043.8	1938.0	1911.0	1903.6	1911.0
12.5°	2641.4	2604.6	2533.3	2361.1	2068.4	2021.6	1938.0	1876.6	1871.6	1883.9	1950.3
15°	2611.9	2577.4	2493.9	2223.4	1965.1	1930.6	1871.6	1849.5	1876.6	1962.6	2161.8
17.5°	2582.4	2543.0	2439.7	2088.1	1886.4	1861.8	1820.0	1864.3	2016.8	2132.3	2198.8
20°	2543.0	2496.3	2378.3	1989.6	1829.9	1807.7	1788.0	1987.2	2102.8	2144.6	2181.5
22.5°	2496.3	2447.1	2294.7	1920.8	1770.8	1753.6	1765.9	2056.1	2102.8	2132.3	2164.3
25°	2434.8	2393.0	2196.2	1866.7	1724.0	1704.4	1751.1	2048.8	2075.8	2083.2	2147.1
27.5°	2378.3	2324.1	2092.9	1817.6	1667.5	1660.1	1763.4	2016.8	2036.5	2043.8	2112.6
30°	2309.4	2228.2	1977.3	1765.9	1608.4	1606.0	1765.9	1977.3	1972.5	1992.2	2061.0
32.5°	2238.1	2085.6	1847.0	1702.0	1552.0	1549.4	1748.7	1918.3	1913.5	1940.5	1992.2
35°	2171.7	1974.9	1670.0	1628.1	1480.5	1483.1	1706.9	1849.5	1852.0	1876.6	1908.5
37.5°	2102.8	1879.0	1475.7	1547.0	1411.7	1411.7	1650.3	1785.6	1780.6	1788.0	1832.3
40°	2021.6	1729.0	1303.5	1441.2	1347.8	1340.4	1581.4	1716.7	1699.4	1697.0	1758.5
42.5°	1935.6	1564.2	1175.6	1301.1	1273.9	1264.2	1497.8	1633.1	1601.1	1608.4	1687.1
45°	1842.1	1520.0	1077.2	1099.3	1197.8	1190.3	1406.8	1537.1	1515.0	1534.7	1615.8
47.5°	1748.7	1431.4	1045.3	912.4	1116.6	1114.2	1305.9	1443.7	1431.4	1451.1	1537.1
50°	1620.7	1333.1	1042.8	782.1	1025.6	1035.4	1185.5	1352.7	1352.7	1369.9	1460.9
52.5°	1456.0	1212.5	946.9	708.3	919.9	949.3	1079.7	1273.9	1278.9	1296.1	1377.2
55°	1305.9	1087.0	878.0	651.7	794.4	858.3	976.4	1192.8	1202.6	1219.9	1293.6
57.5°	1168.2	905.0	863.3	585.4	678.8	740.3	885.4	1114.2	1119.0	1133.8	1205.1
60°	1020.6	654.2	792.0	514.1	578.0	624.7	801.8	1020.6	1037.9	1047.7	1109.2
62.5°	853.4	474.7	718.1	464.8	528.8	538.6	733.0	932.1	954.3	961.6	998.6
65°	607.5	398.5	610.0	423.1	477.1	479.6	659.1	841.1	860.8	873.1	900.2
67.5°	410.8	324.6	464.8	383.6	437.8	440.2	587.8	735.4	762.4	772.3	789.4
70°	285.3	216.5	344.3	341.9	393.5	398.5	511.5	639.4	664.1	671.4	681.3
72.5°	209.0	174.6	285.3	307.5	346.8	351.7	432.9	531.2	555.8	563.2	568.1
75°	159.9	184.5	231.2	268.1	295.2	297.6	354.2	432.9	450.1	455.0	457.5
77.5°	127.9	172.2	169.7	216.5	241.0	236.1	277.9	334.5	349.2	349.2	349.2
80°	95.9	135.3	127.9	154.9	177.0	172.2	199.2	238.6	243.5	248.4	245.9
82.5°	71.3	86.0	86.0	98.4	118.0	113.2	132.8	154.9	154.9	154.9	159.9
85°	44.3	49.2	39.3	51.6	66.4	64.0	73.7	83.6	86.0	86.0	81.2
87.5°	27.0	22.1	12.3	19.7	29.6	29.6	34.4	36.9	34.4	34.4	34.4
90°	11.7	8.0	4.5	8.0	11.7	12.6	19.8	29.4	34.2	30.4	22.9
92.5°	79.3	48.6	18.0	48.6	79.3	86.9	122.2	169.3	192.8	169.0	121.3
95°	155.3	99.3	43.2	99.3	155.3	169.4	300.8	476.1	563.7	503.0	381.6
97.5°	173.6	124.2	74.8	124.2	173.6	186.0	405.2	697.4	843.5	805.1	728.5
100°	188.9	144.0	99.1	144.0	188.9	200.1	443.2	767.4	929.6	932.4	938.0
102.5°	203.6	161.7	119.9	161.7	203.6	214.1	460.7	789.4	953.9	1002.7	1100.5
105°	226.0	190.5	155.0	190.5	226.0	234.8	473.6	792.0	951.2	1060.7	1279.8
107.5°	257.2	224.1	191.1	224.1	257.2	265.4	476.0	756.7	897.1	1049.9	1355.5
110°	275.0	245.3	215.4	245.3	275.0	282.5	472.3	725.5	852.0	1022.9	1364.5

TEST NUMBER: P934999

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.1	267.6	239.2	267.6	296.1	303.2	472.5	698.2	811.1	985.9	1335.5
115°	327.7	301.6	275.3	301.6	327.7	334.3	476.8	666.9	761.9	930.3	1267.2
117.5°	358.5	334.7	310.9	334.7	358.5	364.5	485.8	647.3	728.1	880.1	1184.1
120°	376.5	354.1	331.6	354.1	376.5	382.1	492.9	640.7	714.6	853.5	1131.2
122.5°	397.2	374.5	351.9	374.5	397.2	402.8	503.3	637.3	704.3	829.3	1079.4
125°	424.2	403.6	382.9	403.6	424.2	429.4	517.3	634.4	693.0	799.2	1011.7
127.5°	449.8	429.1	408.2	429.1	449.8	455.0	531.2	632.8	683.5	774.7	957.2
130°	466.6	444.2	421.7	444.2	466.6	472.2	541.5	633.8	679.9	761.1	923.6
132.5°	480.5	458.1	435.7	458.1	480.5	486.1	549.7	634.4	676.7	749.4	894.9
135°	497.3	476.8	456.4	476.8	497.3	502.4	558.7	633.8	671.3	732.2	854.0
137.5°	518.0	497.8	477.6	497.8	518.0	523.1	572.2	637.7	670.5	721.9	824.8
140°	532.5	513.8	495.2	513.8	532.5	537.1	580.5	638.4	667.3	711.7	800.7
142.5°	543.2	526.0	508.7	526.0	543.2	547.5	587.4	640.6	667.3	706.3	784.4
145°	559.4	544.5	529.5	544.5	559.4	563.2	596.4	640.7	662.8	694.8	758.6
147.5°	579.4	564.7	550.1	564.7	579.4	583.0	609.6	645.1	662.8	687.9	738.2
150°	590.1	576.8	563.7	576.8	590.1	593.4	616.6	647.4	662.8	684.0	726.5
152.5°	597.7	587.7	577.6	587.7	597.7	600.2	621.0	648.8	662.8	680.9	717.2
155°	613.2	605.7	598.4	605.7	613.2	615.0	630.9	652.1	662.8	677.2	706.1
157.5°	628.1	620.9	613.7	620.9	628.1	629.9	640.9	655.5	662.8	674.0	696.4
160°	635.3	629.7	624.0	629.7	635.3	636.6	645.4	657.0	662.8	672.4	691.6
162.5°	642.8	638.7	634.4	638.7	642.8	643.9	650.2	658.6	662.8	670.9	687.1
165°	653.3	649.5	645.6	649.5	653.3	654.3	657.1	660.9	662.8	668.6	680.2
167.5°	659.6	657.9	656.0	657.9	659.6	660.1	662.5	665.7	667.3	671.0	678.7
170°	666.4	664.6	662.8	664.6	666.4	666.9	667.0	667.2	667.3	671.0	678.7
172.5°	667.2	666.8	666.4	666.8	667.2	667.3	667.3	667.3	667.3	670.3	676.3
175°	671.3	671.3	671.3	671.3	671.3	671.3	670.0	668.1	667.3	669.2	673.0
177.5°	671.3	671.3	671.3	671.3	671.3	671.3	670.3	668.9	668.2	669.8	672.8
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

TEST NUMBER: P934999

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2508.6	2501.3	2511.1	2484.0	2511.1	2501.3	2508.6	2525.8	2511.1	2521.0	2530.7
5°	2201.2	2188.9	2149.5	2117.6	2149.5	2188.9	2201.2	2252.8	2277.4	2321.7	2380.7
7.5°	1967.6	1957.7	1947.9	1928.2	1947.9	1957.7	1967.6	1982.3	2006.9	2046.2	2090.5
10°	1915.9	1918.3	1933.2	1930.6	1933.2	1918.3	1915.9	1911.0	1903.6	1911.0	1938.0
12.5°	2048.8	2070.8	2152.1	2147.1	2152.1	2070.8	2048.8	1950.3	1883.9	1871.6	1876.6
15°	2201.2	2208.5	2225.8	2228.2	2225.8	2208.5	2201.2	2161.8	1962.6	1876.6	1849.5
17.5°	2215.9	2218.4	2230.7	2230.7	2230.7	2218.4	2215.9	2198.8	2132.3	2016.8	1864.3
20°	2203.7	2208.5	2233.2	2238.1	2233.2	2208.5	2203.7	2181.5	2144.6	2102.8	1987.2
22.5°	2198.8	2208.5	2228.2	2225.8	2228.2	2208.5	2198.8	2164.3	2132.3	2102.8	2056.1
25°	2174.1	2174.1	2176.6	2179.1	2176.6	2174.1	2174.1	2147.1	2083.2	2075.8	2048.8
27.5°	2122.5	2127.4	2142.2	2139.7	2142.2	2127.4	2122.5	2112.6	2043.8	2036.5	2016.8
30°	2075.8	2070.8	2058.5	2048.8	2058.5	2070.8	2075.8	2061.0	1992.2	1972.5	1977.3
32.5°	1997.1	1984.8	1972.5	1965.1	1972.5	1984.8	1997.1	1992.2	1940.5	1913.5	1918.3
35°	1903.6	1906.0	1903.6	1896.2	1903.6	1906.0	1903.6	1908.5	1876.6	1852.0	1849.5
37.5°	1837.2	1842.1	1839.6	1829.9	1839.6	1842.1	1837.2	1832.3	1788.0	1780.6	1785.6
40°	1768.3	1770.8	1768.3	1761.0	1768.3	1770.8	1768.3	1758.5	1697.0	1699.4	1716.7
42.5°	1702.0	1699.4	1692.1	1687.1	1692.1	1699.4	1702.0	1687.1	1608.4	1601.1	1633.1
45°	1625.7	1628.1	1613.4	1606.0	1613.4	1628.1	1625.7	1615.8	1534.7	1515.0	1537.1
47.5°	1549.4	1549.4	1537.1	1529.8	1537.1	1549.4	1549.4	1537.1	1451.1	1431.4	1443.7
50°	1468.3	1465.8	1448.7	1446.1	1448.7	1465.8	1468.3	1460.9	1369.9	1352.7	1352.7
52.5°	1374.8	1374.8	1377.2	1382.2	1377.2	1374.8	1374.8	1377.2	1296.1	1278.9	1273.9
55°	1293.6	1296.1	1313.4	1318.2	1313.4	1296.1	1293.6	1293.6	1219.9	1202.6	1192.8
57.5°	1210.1	1210.1	1222.3	1222.3	1222.3	1210.1	1210.1	1205.1	1133.8	1119.0	1114.2
60°	1114.2	1119.0	1128.9	1126.5	1128.9	1119.0	1114.2	1109.2	1047.7	1037.9	1020.6
62.5°	1013.3	1018.2	1020.6	1015.7	1020.6	1018.2	1013.3	998.6	961.6	954.3	932.1
65°	907.6	912.4	914.9	910.0	914.9	912.4	907.6	900.2	873.1	860.8	841.1
67.5°	799.3	796.8	794.4	804.3	794.4	796.8	799.3	789.4	772.3	762.4	735.4
70°	688.7	688.7	686.1	691.1	686.1	688.7	688.7	681.3	671.4	664.1	639.4
72.5°	570.5	568.1	578.0	570.5	578.0	568.1	570.5	568.1	563.2	555.8	531.2
75°	455.0	459.9	455.0	462.4	455.0	459.9	455.0	457.5	455.0	450.1	432.9
77.5°	346.8	351.7	346.8	346.8	346.8	351.7	346.8	349.2	349.2	349.2	334.5
80°	245.9	243.5	243.5	241.0	243.5	243.5	245.9	245.9	248.4	243.5	238.6
82.5°	157.4	154.9	154.9	159.9	154.9	154.9	157.4	159.9	154.9	154.9	154.9
85°	86.0	88.6	83.6	83.6	83.6	88.6	86.0	81.2	86.0	86.0	83.6
87.5°	32.0	29.6	29.6	29.6	29.6	29.6	32.0	34.4	34.4	34.4	36.9
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.9	30.4	34.2	29.4
92.5°	85.6	82.2	68.5	54.9	68.5	82.2	85.6	121.3	169.0	192.8	169.3
95°	290.6	280.3	239.1	197.8	239.1	280.3	290.6	381.6	503.0	563.7	476.1
97.5°	670.9	651.3	572.8	494.3	572.8	651.3	670.9	728.5	805.1	843.5	697.4
100°	942.2	918.8	825.2	731.7	825.2	918.8	942.2	938.0	932.4	929.6	767.4
102.5°	1173.7	1153.7	1073.7	993.5	1073.7	1153.7	1173.7	1100.5	1002.7	953.9	789.4
105°	1444.1	1433.3	1390.2	1347.2	1390.2	1433.3	1444.1	1279.8	1060.7	951.2	792.0
107.5°	1584.7	1587.3	1597.7	1608.1	1597.7	1587.3	1584.7	1355.5	1049.9	897.1	756.7
110°	1620.7	1632.0	1676.8	1721.6	1676.8	1632.0	1620.7	1364.5	1022.9	852.0	725.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1597.7	1614.9	1683.8	1752.7	1683.8	1614.9	1597.7	1335.5	985.9	811.1	698.2
115°	1519.8	1543.6	1639.2	1734.7	1639.2	1543.6	1519.8	1267.2	930.3	761.9	666.9
117.5°	1412.1	1438.6	1544.5	1650.4	1544.5	1438.6	1412.1	1184.1	880.1	728.1	647.3
120°	1339.5	1365.3	1468.2	1571.1	1468.2	1365.3	1339.5	1131.2	853.5	714.6	640.7
122.5°	1267.0	1292.4	1393.9	1495.5	1393.9	1292.4	1267.0	1079.4	829.3	704.3	637.3
125°	1171.0	1194.4	1288.0	1381.5	1288.0	1194.4	1171.0	1011.7	799.2	693.0	634.4
127.5°	1094.0	1113.8	1192.6	1271.5	1192.6	1113.8	1094.0	957.2	774.7	683.5	632.8
130°	1045.4	1063.6	1136.4	1209.3	1136.4	1063.6	1045.4	923.6	761.1	679.9	633.8
132.5°	1003.9	1020.2	1085.5	1150.8	1085.5	1020.2	1003.9	894.9	749.4	676.7	634.4
135°	945.3	959.3	1015.6	1071.9	1015.6	959.3	945.3	854.0	732.2	671.3	633.8
137.5°	902.0	913.6	959.6	1005.7	959.6	913.6	902.0	824.8	721.9	670.5	637.7
140°	867.4	878.1	921.2	964.3	921.2	878.1	867.4	800.7	711.7	667.3	638.4
142.5°	843.0	852.3	889.3	926.4	889.3	852.3	843.0	784.4	706.3	667.3	640.6
145°	806.5	813.5	841.6	869.6	841.6	813.5	806.5	758.6	694.8	662.8	640.7
147.5°	775.9	781.7	804.9	828.1	804.9	781.7	775.9	738.2	687.9	662.8	645.1
150°	758.3	763.1	781.9	800.7	781.9	763.1	758.3	726.5	684.0	662.8	647.4
152.5°	744.4	748.0	762.1	776.4	762.1	748.0	744.4	717.2	680.9	662.8	648.8
155°	727.7	730.0	739.4	748.8	739.4	730.0	727.7	706.1	677.2	662.8	652.1
157.5°	713.3	714.9	721.5	728.1	721.5	714.9	713.3	696.4	674.0	662.8	655.5
160°	706.0	707.0	710.8	714.6	710.8	707.0	706.0	691.6	672.4	662.8	657.0
162.5°	699.3	700.2	703.8	707.4	703.8	700.2	699.3	687.1	670.9	662.8	658.6
165°	689.0	689.9	693.7	697.5	693.7	689.9	689.0	680.2	668.6	662.8	660.9
167.5°	684.4	684.8	686.4	688.0	686.4	684.8	684.4	678.7	671.0	667.3	665.7
170°	684.4	684.4	684.4	684.4	684.4	684.4	684.4	678.7	671.0	667.3	667.2
172.5°	680.8	680.4	679.1	677.6	679.1	680.4	680.8	676.3	670.3	667.3	667.3
175°	675.9	675.9	675.9	675.9	675.9	675.9	675.9	673.0	669.2	667.3	668.1
177.5°	675.0	674.6	673.0	671.3	673.0	674.6	675.0	672.8	669.8	668.2	668.9
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2567.7	2580.0	2587.3	2597.2	2621.7
5°	2469.3	2516.0	2530.7	2567.7	2611.9
7.5°	2252.8	2395.5	2434.8	2523.4	2592.3
10°	2043.8	2186.5	2255.3	2464.4	2567.7
12.5°	1938.0	2021.6	2068.4	2361.1	2533.3
15°	1871.6	1930.6	1965.1	2223.4	2493.9
17.5°	1820.0	1861.8	1886.4	2088.1	2439.7
20°	1788.0	1807.7	1829.9	1989.6	2378.3
22.5°	1765.9	1753.6	1770.8	1920.8	2294.7
25°	1751.1	1704.4	1724.0	1866.7	2196.2
27.5°	1763.4	1660.1	1667.5	1817.6	2092.9
30°	1765.9	1606.0	1608.4	1765.9	1977.3
32.5°	1748.7	1549.4	1552.0	1702.0	1847.0
35°	1706.9	1483.1	1480.5	1628.1	1670.0
37.5°	1650.3	1411.7	1411.7	1547.0	1475.7
40°	1581.4	1340.4	1347.8	1441.2	1303.5
42.5°	1497.8	1264.2	1273.9	1301.1	1175.6
45°	1406.8	1190.3	1197.8	1099.3	1077.2
47.5°	1305.9	1114.2	1116.6	912.4	1045.3
50°	1185.5	1035.4	1025.6	782.1	1042.8
52.5°	1079.7	949.3	919.9	708.3	946.9
55°	976.4	858.3	794.4	651.7	878.0
57.5°	885.4	740.3	678.8	585.4	863.3
60°	801.8	624.7	578.0	514.1	792.0
62.5°	733.0	538.6	528.8	464.8	718.1
65°	659.1	479.6	477.1	423.1	610.0
67.5°	587.8	440.2	437.8	383.6	464.8
70°	511.5	398.5	393.5	341.9	344.3
72.5°	432.9	351.7	346.8	307.5	285.3
75°	354.2	297.6	295.2	268.1	231.2
77.5°	277.9	236.1	241.0	216.5	169.7
80°	199.2	172.2	177.0	154.9	127.9
82.5°	132.8	113.2	118.0	98.4	86.0
85°	73.7	64.0	66.4	51.6	39.3
87.5°	34.4	29.6	29.6	19.7	12.3
90°	19.8	12.6	11.7	8.0	4.5
92.5°	122.2	86.9	79.3	48.6	18.0
95°	300.8	169.4	155.3	99.3	43.2
97.5°	405.2	186.0	173.6	124.2	74.8
100°	443.2	200.1	188.9	144.0	99.1
102.5°	460.7	214.1	203.6	161.7	119.9
105°	473.6	234.8	226.0	190.5	155.0
107.5°	476.0	265.4	257.2	224.1	191.1
110°	472.3	282.5	275.0	245.3	215.4



TEST NUMBER: P934999

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	472.5	303.2	296.1	267.6	239.2
115°	476.8	334.3	327.7	301.6	275.3
117.5°	485.8	364.5	358.5	334.7	310.9
120°	492.9	382.1	376.5	354.1	331.6
122.5°	503.3	402.8	397.2	374.5	351.9
125°	517.3	429.4	424.2	403.6	382.9
127.5°	531.2	455.0	449.8	429.1	408.2
130°	541.5	472.2	466.6	444.2	421.7
132.5°	549.7	486.1	480.5	458.1	435.7
135°	558.7	502.4	497.3	476.8	456.4
137.5°	572.2	523.1	518.0	497.8	477.6
140°	580.5	537.1	532.5	513.8	495.2
142.5°	587.4	547.5	543.2	526.0	508.7
145°	596.4	563.2	559.4	544.5	529.5
147.5°	609.6	583.0	579.4	564.7	550.1
150°	616.6	593.4	590.1	576.8	563.7
152.5°	621.0	600.2	597.7	587.7	577.6
155°	630.9	615.0	613.2	605.7	598.4
157.5°	640.9	629.9	628.1	620.9	613.7
160°	645.4	636.6	635.3	629.7	624.0
162.5°	650.2	643.9	642.8	638.7	634.4
165°	657.1	654.3	653.3	649.5	645.6
167.5°	662.5	660.1	659.6	657.9	656.0
170°	667.0	666.9	666.4	664.6	662.8
172.5°	667.3	667.3	667.2	666.8	666.4
175°	670.0	671.3	671.3	671.3	671.3
177.5°	670.3	671.3	671.3	671.3	671.3
180°	671.3	671.3	671.3	671.3	671.3

(END OF REPORT)