

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: P935499

Luminaire Tested: SQ4-FA-125U-050D-B35-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935499
REPORT IS A COMBINATION OF REPORTS P933755 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-B35-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

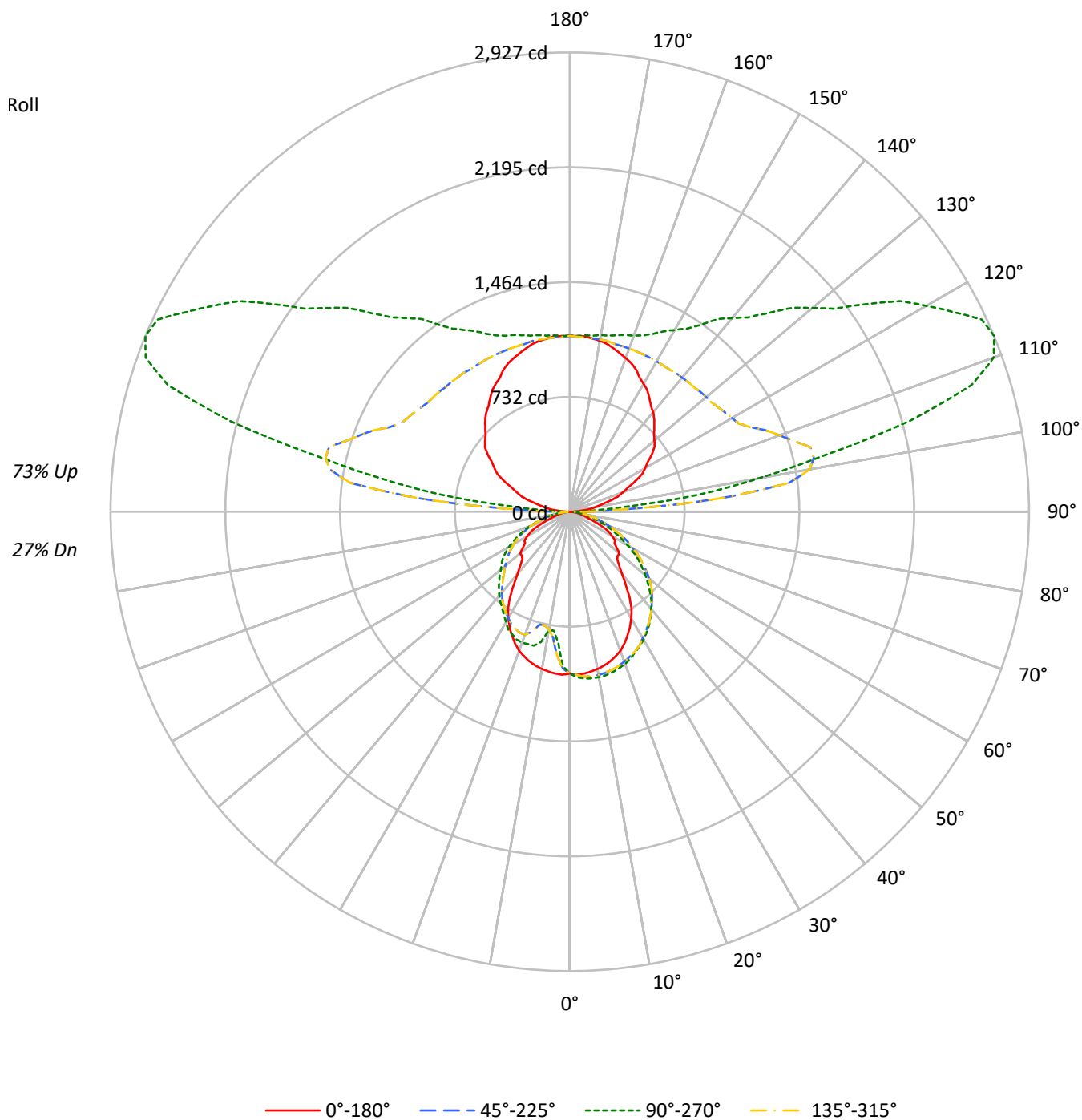
Lumens per Lamp: N/A
Luminaire Lumens: 9944.8 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 71.4
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	50	30	10
RCR																				
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35			27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29			23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25			19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21			16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18			14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16			12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14			10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12			9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11			8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10			7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9			7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6419	6434	6419	5059
10°	6373	6338	6373	4531
15°	6303	6201	6303	5177
20°	6168	6038	6168	5188
25°	5896	5801	5896	5079
30°	5545	5604	5545	4837
35°	4941	5354	4941	4572
40°	4115	5061	4115	4372
45°	3674	4718	3674	4141
50°	3900	4309	3900	3910
55°	3666	3868	3666	3776
60°	3775	3284	3775	3458
65°	3417	2716	3417	3035
70°	2359	2163	2359	2544
75°	2063	1599	2063	1915
80°	1650	1057	1650	1151
85°	930	560	930	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	0.9
10°-20°	264.1	2.7
20°-30°	408.2	4.1
30°-40°	487.3	4.9
40°-50°	490.2	4.9
50°-60°	426.5	4.3
60°-70°	302.4	3.0
70°-80°	160.0	1.6
80°-90°	44.1	0.4
90°-100°	546.6	5.5
100°-110°	1437.0	14.4
110°-120°	1490.0	15.0
120°-130°	1195.2	12.0
130°-140°	937.8	9.4
140°-150°	719.8	7.2
150°-160°	518.4	5.2
160°-170°	317.2	3.2
170°-180°	107.2	1.1
0°-30°	765.3	7.7
0°-40°	1252.6	12.6
0°-60°	2169.3	21.8
0°-90°	2675.8	26.9
90°-120°	3473.6	34.9
90°-150°	6326.3	63.6
90°-180°	7269.0	73.1
0°-180°	9944.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1030	1030	1030	1030	1030	
5°	1035	1067	1035	839	1035	98
15°	988	1058	988	883	988	278
25°	870	986	870	864	870	400
35°	662	880	662	752	662	409
45°	427	725	427	636	427	342
55°	348	535	348	522	348	320
65°	242	323	242	361	242	231
75°	92	153	92	183	92	96
85°	16	39	16	33	16	21
90°	8	29	8	29	8	7
95°	72	330	72	330	72	80
105°	259	2250	259	2250	259	274
115°	460	2897	460	2897	460	454
125°	640	2307	640	2307	640	568
135°	762	1790	762	1790	762	590
145°	884	1452	884	1452	884	554
155°	999	1251	999	1251	999	459
165°	1078	1165	1078	1165	1078	304
175°	1121	1129	1121	1129	1121	106
180°	1121	1121	1121	1121	1121	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1039.2	1039.2	1045.0	1046.9	1046.9	1044.0	1041.1	1044.0	1052.8	1055.7	1054.8
5°	1035.2	1043.0	1053.8	1055.7	1057.7	1056.7	1054.8	1056.7	1066.4	1068.4	1069.4
7.5°	1027.4	1042.1	1055.7	1058.6	1061.5	1058.6	1057.7	1059.6	1069.4	1071.3	1071.3
10°	1017.6	1038.2	1053.8	1055.7	1058.6	1055.7	1055.7	1059.6	1069.4	1071.3	1072.3
12.5°	1004.1	1032.3	1046.9	1048.8	1052.8	1051.8	1050.8	1054.8	1064.4	1066.4	1066.4
15°	988.5	1021.6	1035.2	1037.2	1044.0	1042.1	1042.1	1045.9	1056.7	1059.6	1058.6
17.5°	967.0	1008.0	1023.6	1026.5	1031.3	1030.3	1031.3	1035.2	1045.0	1046.9	1047.9
20°	942.6	989.4	1008.0	1010.9	1015.7	1015.7	1015.7	1020.6	1030.3	1034.2	1034.2
22.5°	909.5	969.9	989.4	991.4	997.2	997.2	999.1	1006.0	1014.7	1015.7	1015.7
25°	870.5	948.5	965.0	970.9	976.8	979.7	982.6	986.5	989.4	988.5	989.4
27.5°	829.6	921.1	942.6	946.5	954.4	957.3	961.2	962.1	963.1	966.0	964.1
30°	783.7	883.1	915.3	919.2	931.9	933.8	929.9	931.9	936.7	938.8	940.7
32.5°	732.1	826.7	887.0	895.8	907.6	901.7	900.7	903.6	911.4	911.4	913.4
35°	661.9	782.8	860.8	868.5	877.3	870.5	874.4	875.4	880.2	883.1	882.2
37.5°	584.9	744.8	833.4	839.3	846.1	837.3	843.2	846.1	850.0	848.1	848.1
40°	516.7	685.3	801.3	805.1	811.1	804.2	810.1	812.0	814.0	812.0	811.1
42.5°	466.0	620.0	767.2	772.0	768.1	773.0	775.0	778.9	776.0	772.0	772.0
45°	426.9	602.4	730.1	736.0	730.1	737.9	740.8	740.8	732.1	730.1	729.2
47.5°	414.2	567.3	693.1	693.1	690.1	699.9	704.8	698.0	689.2	686.2	686.2
50°	413.3	528.3	642.4	638.5	652.1	663.9	658.9	652.1	645.4	634.6	634.6
52.5°	375.3	480.5	577.0	591.7	613.2	620.0	612.2	605.3	593.6	588.8	584.9
55°	348.0	430.8	517.6	546.9	569.3	578.0	563.5	556.6	539.1	536.1	534.2
57.5°	342.2	358.7	463.0	500.1	527.3	526.4	517.6	504.9	490.3	487.4	486.4
60°	313.9	259.3	404.6	448.5	476.7	473.7	466.0	454.3	440.6	438.7	436.7
62.5°	284.6	188.2	338.3	388.0	427.9	426.9	420.2	402.6	392.8	388.0	384.1
65°	241.8	157.9	240.8	322.7	380.1	382.1	367.5	354.8	344.1	338.3	337.3
67.5°	184.2	128.7	162.8	269.1	334.4	332.4	313.9	308.0	294.4	291.5	285.7
70°	136.4	85.8	113.1	218.3	289.5	284.6	270.1	263.2	250.5	243.7	239.8
72.5°	113.1	69.2	82.8	169.6	243.7	237.9	225.2	217.3	206.7	200.8	196.9
75°	91.7	73.1	63.4	125.8	197.9	194.0	182.3	174.5	165.7	157.9	158.9
77.5°	67.2	68.2	50.7	92.6	157.0	151.1	144.3	134.5	130.6	122.9	122.9
80°	50.7	53.6	38.0	63.4	113.1	113.1	107.3	100.4	93.6	89.7	89.7
82.5°	34.1	34.1	28.3	39.9	77.0	74.1	70.2	68.2	64.3	62.4	62.4
85°	15.6	19.5	17.5	24.3	42.0	43.9	43.9	42.0	41.0	39.0	39.9
87.5°	4.8	8.8	10.8	13.7	21.4	22.4	23.4	23.4	23.4	24.3	24.3
90°	7.6	13.6	19.6	21.0	33.0	49.1	57.2	50.8	38.1	28.6	28.6
92.5°	30.1	81.3	132.5	145.3	204.2	282.8	322.1	282.3	202.7	143.0	137.3
95°	72.3	165.9	259.5	282.9	502.4	795.2	941.5	840.1	637.4	485.4	468.1
97.5°	124.9	207.5	290.1	310.8	676.7	1164.8	1408.8	1344.8	1216.7	1120.6	1087.8
100°	165.6	240.5	315.4	334.1	740.2	1281.8	1552.5	1557.2	1566.6	1573.6	1534.5
102.5°	200.2	270.1	340.0	357.5	769.4	1318.5	1593.1	1674.7	1838.0	1960.4	1927.0
105°	258.9	318.1	377.2	392.1	790.9	1322.8	1588.7	1771.6	2137.5	2411.9	2393.9
107.5°	319.1	374.2	429.5	443.2	795.0	1263.9	1498.4	1753.6	2264.0	2646.7	2651.1
110°	359.7	409.5	459.3	471.8	788.9	1211.6	1423.1	1708.3	2279.0	2707.0	2725.7

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	399.6	447.1	494.6	506.5	789.2	1166.1	1354.6	1646.5	2230.5	2668.5	2697.3
115°	459.8	503.6	547.5	558.4	796.5	1113.9	1272.6	1553.9	2116.5	2538.4	2578.3
117.5°	519.3	559.1	598.8	608.8	811.2	1081.1	1216.1	1470.0	1977.7	2358.5	2402.7
120°	553.9	591.4	628.8	638.2	823.3	1070.1	1193.5	1425.5	1889.4	2237.3	2280.3
122.5°	587.8	625.6	663.4	672.8	840.6	1064.3	1176.3	1385.2	1802.9	2116.2	2158.5
125°	639.6	674.1	708.5	717.2	864.0	1059.6	1157.5	1334.9	1689.7	1955.9	1995.0
127.5°	681.8	716.6	751.4	760.1	887.3	1056.9	1141.7	1294.0	1598.8	1827.2	1860.2
130°	704.4	741.9	779.3	788.7	904.3	1058.4	1135.6	1271.2	1542.5	1745.9	1776.4
132.5°	727.7	765.2	802.6	812.0	918.1	1059.6	1130.3	1251.8	1494.6	1676.7	1703.9
135°	762.3	796.4	830.5	839.1	933.1	1058.6	1121.3	1223.0	1426.4	1578.9	1602.3
137.5°	797.7	831.5	865.3	873.7	955.7	1065.1	1119.8	1205.7	1377.6	1506.6	1525.8
140°	827.0	858.1	889.3	897.0	969.5	1066.2	1114.5	1188.8	1337.3	1448.7	1466.7
142.5°	849.6	878.4	907.2	914.3	981.1	1070.1	1114.5	1179.8	1310.2	1408.1	1423.6
145°	884.2	909.3	934.4	940.7	996.1	1070.1	1107.0	1160.4	1267.1	1347.1	1358.8
147.5°	918.9	943.3	967.7	973.8	1018.2	1077.4	1107.0	1148.9	1233.0	1295.9	1305.6
150°	941.5	963.6	985.6	991.1	1029.8	1081.2	1107.0	1142.5	1213.4	1266.6	1274.4
152.5°	964.7	981.5	998.3	1002.4	1037.3	1083.7	1107.0	1137.2	1197.8	1243.2	1249.1
155°	999.4	1011.8	1024.1	1027.2	1053.8	1089.3	1107.0	1131.1	1179.3	1215.4	1219.4
157.5°	1025.0	1037.0	1049.0	1052.0	1070.4	1094.8	1107.0	1125.7	1163.2	1191.3	1194.0
160°	1042.3	1051.7	1061.1	1063.4	1077.9	1097.3	1107.0	1123.1	1155.1	1179.3	1180.8
162.5°	1059.6	1066.6	1073.7	1075.4	1086.0	1100.0	1107.0	1120.6	1147.6	1167.9	1169.5
165°	1078.4	1084.8	1091.2	1092.7	1097.5	1103.8	1107.0	1116.7	1136.2	1150.7	1152.2
167.5°	1095.7	1098.7	1101.8	1102.5	1106.5	1111.8	1114.5	1120.9	1133.6	1143.1	1143.8
170°	1107.0	1110.0	1113.0	1113.8	1114.1	1114.4	1114.5	1120.9	1133.6	1143.1	1143.1
172.5°	1113.0	1113.7	1114.4	1114.5	1114.5	1114.5	1114.5	1119.6	1129.6	1137.1	1136.5
175°	1121.3	1121.3	1121.3	1121.3	1119.1	1116.1	1114.5	1117.7	1124.1	1128.9	1128.9
177.5°	1121.3	1121.3	1121.3	1121.3	1119.6	1117.2	1116.0	1118.5	1123.6	1127.3	1126.7
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1056.7	1053.8	1056.7	1054.8	1055.7	1052.8	1044.0	1041.1	1044.0	1046.9	1046.9
5°	1069.4	1067.4	1069.4	1069.4	1068.4	1066.4	1056.7	1054.8	1056.7	1057.7	1055.7
7.5°	1073.3	1070.4	1073.3	1071.3	1071.3	1069.4	1059.6	1057.7	1058.6	1061.5	1058.6
10°	1073.3	1070.4	1073.3	1072.3	1071.3	1069.4	1059.6	1055.7	1055.7	1058.6	1055.7
12.5°	1068.4	1066.4	1068.4	1066.4	1066.4	1064.4	1054.8	1050.8	1051.8	1052.8	1048.8
15°	1060.6	1057.7	1060.6	1058.6	1059.6	1056.7	1045.9	1042.1	1042.1	1044.0	1037.2
17.5°	1048.8	1045.0	1048.8	1047.9	1046.9	1045.0	1035.2	1031.3	1030.3	1031.3	1026.5
20°	1035.2	1032.3	1035.2	1034.2	1034.2	1030.3	1020.6	1015.7	1015.7	1015.7	1010.9
22.5°	1013.8	1010.9	1013.8	1015.7	1015.7	1014.7	1006.0	999.1	997.2	997.2	991.4
25°	989.4	986.5	989.4	989.4	988.5	989.4	986.5	982.6	979.7	976.8	970.9
27.5°	966.0	964.1	966.0	964.1	966.0	963.1	962.1	961.2	957.3	954.4	946.5
30°	942.6	940.7	942.6	940.7	938.8	936.7	931.9	929.9	933.8	931.9	919.2
32.5°	913.4	911.4	913.4	913.4	911.4	911.4	903.6	900.7	901.7	907.6	895.8
35°	883.1	880.2	883.1	882.2	883.1	880.2	875.4	874.4	870.5	877.3	868.5
37.5°	848.1	845.2	848.1	848.1	848.1	850.0	846.1	843.2	837.3	846.1	839.3
40°	812.0	808.1	812.0	811.1	812.0	814.0	812.0	810.1	804.2	811.1	805.1
42.5°	771.0	770.1	771.0	772.0	772.0	776.0	778.9	775.0	773.0	768.1	772.0
45°	727.2	725.2	727.2	729.2	730.1	732.1	740.8	740.8	737.9	730.1	736.0
47.5°	680.4	675.5	680.4	686.2	686.2	689.2	698.0	704.8	699.9	690.1	693.1
50°	630.7	631.7	630.7	634.6	634.6	645.4	652.1	658.9	663.9	652.1	638.5
52.5°	582.0	581.0	582.0	584.9	588.8	593.6	605.3	612.2	620.0	613.2	591.7
55°	533.2	535.2	533.2	534.2	536.1	539.1	556.6	563.5	578.0	569.3	546.9
57.5°	484.5	481.6	484.5	486.4	487.4	490.3	504.9	517.6	526.4	527.3	500.1
60°	427.9	424.0	427.9	436.7	438.7	440.6	454.3	466.0	473.7	476.7	448.5
62.5°	378.2	371.4	378.2	384.1	388.0	392.8	402.6	420.2	426.9	427.9	388.0
65°	325.6	322.7	325.6	337.3	338.3	344.1	354.8	367.5	382.1	380.1	322.7
67.5°	277.8	277.8	277.8	285.7	291.5	294.4	308.0	313.9	332.4	334.4	269.1
70°	233.9	232.9	233.9	239.8	243.7	250.5	263.2	270.1	284.6	289.5	218.3
72.5°	192.1	191.1	192.1	196.9	200.8	206.7	217.3	225.2	237.9	243.7	169.6
75°	155.0	153.0	155.0	158.9	157.9	165.7	174.5	182.3	194.0	197.9	125.8
77.5°	118.9	118.9	118.9	122.9	122.9	130.6	134.5	144.3	151.1	157.0	92.6
80°	88.7	87.7	88.7	89.7	89.7	93.6	100.4	107.3	113.1	113.1	63.4
82.5°	62.4	60.5	62.4	62.4	62.4	64.3	68.2	70.2	74.1	77.0	39.9
85°	39.0	39.0	39.0	39.9	39.0	41.0	42.0	43.9	43.9	42.0	24.3
87.5°	25.4	24.3	25.4	24.3	24.3	23.4	23.4	23.4	22.4	21.4	13.7
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.8	57.2	49.1	33.0	21.0
92.5°	114.5	91.8	114.5	137.3	143.0	202.7	282.3	322.1	282.8	204.2	145.3
95°	399.2	330.3	399.2	468.1	485.4	637.4	840.1	941.5	795.2	502.4	282.9
97.5°	956.7	825.6	956.7	1087.8	1120.6	1216.7	1344.8	1408.8	1164.8	676.7	310.8
100°	1378.4	1222.2	1378.4	1534.5	1573.6	1566.6	1557.2	1552.5	1281.8	740.2	334.1
102.5°	1793.1	1659.4	1793.1	1927.0	1960.4	1838.0	1674.7	1593.1	1318.5	769.4	357.5
105°	2322.0	2250.1	2322.0	2393.9	2411.9	2137.5	1771.6	1588.7	1322.8	790.9	392.1
107.5°	2668.4	2685.9	2668.4	2651.1	2646.7	2264.0	1753.6	1498.4	1263.9	795.0	443.2
110°	2800.6	2875.5	2800.6	2725.7	2707.0	2279.0	1708.3	1423.1	1211.6	788.9	471.8

TEST NUMBER: P935499

CATALOG NUMBER: SQ4-FA-125U-050D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2812.3	2927.4	2812.3	2697.3	2668.5	2230.5	1646.5	1354.6	1166.1	789.2	506.5
115°	2737.8	2897.3	2737.8	2578.3	2538.4	2116.5	1553.9	1272.6	1113.9	796.5	558.4
117.5°	2579.7	2756.6	2579.7	2402.7	2358.5	1977.7	1470.0	1216.1	1081.1	811.2	608.8
120°	2452.2	2624.1	2452.2	2280.3	2237.3	1889.4	1425.5	1193.5	1070.1	823.3	638.2
122.5°	2328.1	2497.7	2328.1	2158.5	2116.2	1802.9	1385.2	1176.3	1064.3	840.6	672.8
125°	2151.2	2307.4	2151.2	1995.0	1955.9	1689.7	1334.9	1157.5	1059.6	864.0	717.2
127.5°	1992.0	2123.8	1992.0	1860.2	1827.2	1598.8	1294.0	1141.7	1056.9	887.3	760.1
130°	1898.2	2019.9	1898.2	1776.4	1745.9	1542.5	1271.2	1135.6	1058.4	904.3	788.7
132.5°	1813.0	1922.0	1813.0	1703.9	1676.7	1494.6	1251.8	1130.3	1059.6	918.1	812.0
135°	1696.3	1790.3	1696.3	1602.3	1578.9	1426.4	1223.0	1121.3	1058.6	933.1	839.1
137.5°	1602.7	1679.7	1602.7	1525.8	1506.6	1377.6	1205.7	1119.8	1065.1	955.7	873.7
140°	1538.6	1610.5	1538.6	1466.7	1448.7	1337.3	1188.8	1114.5	1066.2	969.5	897.0
142.5°	1485.4	1547.3	1485.4	1423.6	1408.1	1310.2	1179.8	1114.5	1070.1	981.1	914.3
145°	1405.6	1452.4	1405.6	1358.8	1347.1	1267.1	1160.4	1107.0	1070.1	996.1	940.7
147.5°	1344.5	1383.2	1344.5	1305.6	1295.9	1233.0	1148.9	1107.0	1077.4	1018.2	973.8
150°	1305.9	1337.3	1305.9	1274.4	1266.6	1213.4	1142.5	1107.0	1081.2	1029.8	991.1
152.5°	1272.9	1296.6	1272.9	1249.1	1243.2	1197.8	1137.2	1107.0	1083.7	1037.3	1002.4
155°	1235.1	1250.8	1235.1	1219.4	1215.4	1179.3	1131.1	1107.0	1089.3	1053.8	1027.2
157.5°	1205.0	1216.1	1205.0	1194.0	1191.3	1163.2	1125.7	1107.0	1094.8	1070.4	1052.0
160°	1187.2	1193.5	1187.2	1180.8	1179.3	1155.1	1123.1	1107.0	1097.3	1077.9	1063.4
162.5°	1175.5	1181.5	1175.5	1169.5	1167.9	1147.6	1120.6	1107.0	1100.0	1086.0	1075.4
165°	1158.6	1164.9	1158.6	1152.2	1150.7	1136.2	1116.7	1107.0	1103.8	1097.5	1092.7
167.5°	1146.4	1149.1	1146.4	1143.8	1143.1	1133.6	1120.9	1114.5	1111.8	1106.5	1102.5
170°	1143.1	1143.1	1143.1	1143.1	1143.1	1133.6	1120.9	1114.5	1114.4	1114.1	1113.8
172.5°	1134.2	1131.9	1134.2	1136.5	1137.1	1129.6	1119.6	1114.5	1114.5	1114.5	1114.5
175°	1128.9	1128.9	1128.9	1128.9	1128.9	1124.1	1117.7	1114.5	1116.1	1119.1	1121.3
177.5°	1124.0	1121.3	1124.0	1126.7	1127.3	1123.6	1118.5	1116.0	1117.2	1119.6	1121.3
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3

TEST NUMBER: P935499

CATALOG NUMBER: SQ4-FA-125U-050D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1045.0	1039.2	1039.2	1029.4	1025.5	1022.6	1017.6	1003.1	999.1	995.3	1001.1
5°	1053.8	1043.0	1035.2	1017.6	1003.1	997.2	978.7	943.6	920.2	902.6	892.9
7.5°	1055.7	1042.1	1027.4	1000.1	965.0	949.4	892.9	828.6	811.1	795.5	785.7
10°	1053.8	1038.2	1017.6	976.8	893.9	866.6	810.1	768.1	757.4	754.5	757.4
12.5°	1046.9	1032.3	1004.1	935.8	819.8	801.3	768.1	743.8	741.8	746.7	773.0
15°	1035.2	1021.6	988.5	881.2	778.9	765.2	741.8	733.0	743.8	777.9	856.9
17.5°	1023.6	1008.0	967.0	827.6	747.7	737.9	721.3	738.9	799.3	845.2	871.4
20°	1008.0	989.4	942.6	788.6	725.2	716.5	708.6	787.6	833.4	850.0	864.6
22.5°	989.4	969.9	909.5	761.3	701.8	695.1	699.9	814.9	833.4	845.2	857.9
25°	965.0	948.5	870.5	739.8	683.3	675.5	694.1	812.0	822.7	825.7	851.0
27.5°	942.6	921.1	829.6	720.4	661.0	658.0	698.9	799.3	807.2	810.1	837.3
30°	915.3	883.1	783.7	699.9	637.5	636.5	699.9	783.7	781.8	789.5	816.9
32.5°	887.0	826.7	732.1	674.5	615.1	614.2	693.1	760.4	758.4	769.1	789.5
35°	860.8	782.8	661.9	645.4	586.8	587.8	676.5	733.0	734.0	743.8	756.4
37.5°	833.4	744.8	584.9	613.2	559.5	559.5	654.1	707.7	705.7	708.6	726.3
40°	801.3	685.3	516.7	571.2	534.2	531.3	626.7	680.4	673.6	672.6	697.0
42.5°	767.2	620.0	466.0	515.7	504.9	501.1	593.6	647.3	634.6	637.5	668.7
45°	730.1	602.4	426.9	435.8	474.7	471.8	557.6	609.2	600.5	608.2	640.4
47.5°	693.1	567.3	414.2	361.6	442.5	441.6	517.6	572.2	567.3	575.1	609.2
50°	642.4	528.3	413.3	310.0	406.5	410.4	469.9	536.1	536.1	542.9	579.1
52.5°	577.0	480.5	375.3	280.7	364.5	376.3	427.9	504.9	506.9	513.8	545.8
55°	517.6	430.8	348.0	258.3	314.8	340.2	387.0	472.8	476.7	483.5	512.7
57.5°	463.0	358.7	342.2	232.0	269.1	293.4	351.0	441.6	443.5	449.4	477.6
60°	404.6	259.3	313.9	203.7	229.1	247.6	317.7	404.6	411.3	415.2	439.6
62.5°	338.3	188.2	284.6	184.2	209.6	213.5	290.5	369.5	378.2	381.1	395.7
65°	240.8	157.9	241.8	167.6	189.1	190.1	261.2	333.3	341.2	346.0	356.8
67.5°	162.8	128.7	184.2	152.0	173.5	174.5	232.9	291.5	302.2	306.1	312.9
70°	113.1	85.8	136.4	135.5	156.0	157.9	202.7	253.5	263.2	266.1	270.1
72.5°	82.8	69.2	113.1	121.8	137.4	139.4	171.6	210.6	220.4	223.3	225.2
75°	63.4	73.1	91.7	106.3	117.0	117.9	140.4	171.6	178.4	180.3	181.3
77.5°	50.7	68.2	67.2	85.8	95.5	93.6	110.2	132.6	138.4	138.4	138.4
80°	38.0	53.6	50.7	61.4	70.2	68.2	79.0	94.6	96.5	98.5	97.5
82.5°	28.3	34.1	34.1	39.0	46.8	44.9	52.6	61.4	61.4	61.4	63.4
85°	17.5	19.5	15.6	20.4	26.4	25.4	29.3	33.1	34.1	34.1	32.2
87.5°	10.8	8.8	4.8	7.8	11.7	11.7	13.7	14.6	13.7	13.7	13.7
90°	19.6	13.6	7.6	13.6	19.6	21.0	33.0	49.1	57.2	50.8	38.1
92.5°	132.5	81.3	30.1	81.3	132.5	145.3	204.2	282.8	322.1	282.3	202.7
95°	259.5	165.9	72.3	165.9	259.5	282.9	502.4	795.2	941.5	840.1	637.4
97.5°	290.1	207.5	124.9	207.5	290.1	310.8	676.7	1164.8	1408.8	1344.8	1216.7
100°	315.4	240.5	165.6	240.5	315.4	334.1	740.2	1281.8	1552.5	1557.2	1566.6
102.5°	340.0	270.1	200.2	270.1	340.0	357.5	769.4	1318.5	1593.1	1674.7	1838.0
105°	377.2	318.1	258.9	318.1	377.2	392.1	790.9	1322.8	1588.7	1771.6	2137.5
107.5°	429.5	374.2	319.1	374.2	429.5	443.2	795.0	1263.9	1498.4	1753.6	2264.0
110°	459.3	409.5	359.7	409.5	459.3	471.8	788.9	1211.6	1423.1	1708.3	2279.0

TEST NUMBER: P935499

CATALOG NUMBER: SQ4-FA-125U-050D-B35-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	494.6	447.1	399.6	447.1	494.6	506.5	789.2	1166.1	1354.6	1646.5	2230.5
115°	547.5	503.6	459.8	503.6	547.5	558.4	796.5	1113.9	1272.6	1553.9	2116.5
117.5°	598.8	559.1	519.3	559.1	598.8	608.8	811.2	1081.1	1216.1	1470.0	1977.7
120°	628.8	591.4	553.9	591.4	628.8	638.2	823.3	1070.1	1193.5	1425.5	1889.4
122.5°	663.4	625.6	587.8	625.6	663.4	672.8	840.6	1064.3	1176.3	1385.2	1802.9
125°	708.5	674.1	639.6	674.1	708.5	717.2	864.0	1059.6	1157.5	1334.9	1689.7
127.5°	751.4	716.6	681.8	716.6	751.4	760.1	887.3	1056.9	1141.7	1294.0	1598.8
130°	779.3	741.9	704.4	741.9	779.3	788.7	904.3	1058.4	1135.6	1271.2	1542.5
132.5°	802.6	765.2	727.7	765.2	802.6	812.0	918.1	1059.6	1130.3	1251.8	1494.6
135°	830.5	796.4	762.3	796.4	830.5	839.1	933.1	1058.6	1121.3	1223.0	1426.4
137.5°	865.3	831.5	797.7	831.5	865.3	873.7	955.7	1065.1	1119.8	1205.7	1377.6
140°	889.3	858.1	827.0	858.1	889.3	897.0	969.5	1066.2	1114.5	1188.8	1337.3
142.5°	907.2	878.4	849.6	878.4	907.2	914.3	981.1	1070.1	1114.5	1179.8	1310.2
145°	934.4	909.3	884.2	909.3	934.4	940.7	996.1	1070.1	1107.0	1160.4	1267.1
147.5°	967.7	943.3	918.9	943.3	967.7	973.8	1018.2	1077.4	1107.0	1148.9	1233.0
150°	985.6	963.6	941.5	963.6	985.6	991.1	1029.8	1081.2	1107.0	1142.5	1213.4
152.5°	998.3	981.5	964.7	981.5	998.3	1002.4	1037.3	1083.7	1107.0	1137.2	1197.8
155°	1024.1	1011.8	999.4	1011.8	1024.1	1027.2	1053.8	1089.3	1107.0	1131.1	1179.3
157.5°	1049.0	1037.0	1025.0	1037.0	1049.0	1052.0	1070.4	1094.8	1107.0	1125.7	1163.2
160°	1061.1	1051.7	1042.3	1051.7	1061.1	1063.4	1077.9	1097.3	1107.0	1123.1	1155.1
162.5°	1073.7	1066.6	1059.6	1066.6	1073.7	1075.4	1086.0	1100.0	1107.0	1120.6	1147.6
165°	1091.2	1084.8	1078.4	1084.8	1091.2	1092.7	1097.5	1103.8	1107.0	1116.7	1136.2
167.5°	1101.8	1098.7	1095.7	1098.7	1101.8	1102.5	1106.5	1111.8	1114.5	1120.9	1133.6
170°	1113.0	1110.0	1107.0	1110.0	1113.0	1113.8	1114.1	1114.4	1114.5	1120.9	1133.6
172.5°	1114.4	1113.7	1113.0	1113.7	1114.4	1114.5	1114.5	1114.5	1114.5	1119.6	1129.6
175°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1119.1	1116.1	1114.5	1117.7	1124.1
177.5°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1119.6	1117.2	1116.0	1118.5	1123.6
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	994.3	991.4	995.3	984.5	995.3	991.4	994.3	1001.1	995.3	999.1	1003.1
5°	872.5	867.5	851.9	839.3	851.9	867.5	872.5	892.9	902.6	920.2	943.6
7.5°	779.9	776.0	772.0	764.3	772.0	776.0	779.9	785.7	795.5	811.1	828.6
10°	759.4	760.4	766.2	765.2	766.2	760.4	759.4	757.4	754.5	757.4	768.1
12.5°	812.0	820.7	852.9	851.0	852.9	820.7	812.0	773.0	746.7	741.8	743.8
15°	872.5	875.4	882.2	883.1	882.2	875.4	872.5	856.9	777.9	743.8	733.0
17.5°	878.3	879.3	884.1	884.1	884.1	879.3	878.3	871.4	845.2	799.3	738.9
20°	873.5	875.4	885.1	887.0	885.1	875.4	873.5	864.6	850.0	833.4	787.6
22.5°	871.4	875.4	883.1	882.2	883.1	875.4	871.4	857.9	845.2	833.4	814.9
25°	861.7	861.7	862.7	863.7	862.7	861.7	861.7	851.0	825.7	822.7	812.0
27.5°	841.3	843.2	849.0	848.1	849.0	843.2	841.3	837.3	810.1	807.2	799.3
30°	822.7	820.7	815.9	812.0	815.9	820.7	822.7	816.9	789.5	781.8	783.7
32.5°	791.6	786.6	781.8	778.9	781.8	786.6	791.6	789.5	769.1	758.4	760.4
35°	754.5	755.4	754.5	751.6	754.5	755.4	754.5	756.4	743.8	734.0	733.0
37.5°	728.2	730.1	729.2	725.2	729.2	730.1	728.2	726.3	708.6	705.7	707.7
40°	700.9	701.8	700.9	698.0	700.9	701.8	700.9	697.0	672.6	673.6	680.4
42.5°	674.5	673.6	670.6	668.7	670.6	673.6	674.5	668.7	637.5	634.6	647.3
45°	644.4	645.4	639.4	636.5	639.4	645.4	644.4	640.4	608.2	600.5	609.2
47.5°	614.2	614.2	609.2	606.3	609.2	614.2	614.2	609.2	575.1	567.3	572.2
50°	582.0	581.0	574.1	573.2	574.1	581.0	582.0	579.1	542.9	536.1	536.1
52.5°	544.9	544.9	545.8	547.9	545.8	544.9	544.9	545.8	513.8	506.9	504.9
55°	512.7	513.8	520.5	522.5	520.5	513.8	512.7	512.7	483.5	476.7	472.8
57.5°	479.6	479.6	484.5	484.5	484.5	479.6	479.6	477.6	449.4	443.5	441.6
60°	441.6	443.5	447.4	446.4	447.4	443.5	441.6	439.6	415.2	411.3	404.6
62.5°	401.7	403.6	404.6	402.6	404.6	403.6	401.7	395.7	381.1	378.2	369.5
65°	359.7	361.6	362.6	360.7	362.6	361.6	359.7	356.8	346.0	341.2	333.3
67.5°	316.8	315.8	314.8	318.8	314.8	315.8	316.8	312.9	306.1	302.2	291.5
70°	273.0	273.0	272.0	273.9	272.0	273.0	273.0	270.1	266.1	263.2	253.5
72.5°	226.2	225.2	229.1	226.2	229.1	225.2	226.2	225.2	223.3	220.4	210.6
75°	180.3	182.3	180.3	183.2	180.3	182.3	180.3	181.3	180.3	178.4	171.6
77.5°	137.4	139.4	137.4	137.4	137.4	139.4	137.4	138.4	138.4	138.4	132.6
80°	97.5	96.5	96.5	95.5	96.5	96.5	97.5	97.5	98.5	96.5	94.6
82.5°	62.4	61.4	61.4	63.4	61.4	61.4	62.4	63.4	61.4	61.4	61.4
85°	34.1	35.1	33.1	33.1	33.1	35.1	34.1	32.2	34.1	34.1	33.1
87.5°	12.7	11.7	11.7	11.7	11.7	11.7	12.7	13.7	13.7	13.7	14.6
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.8	57.2	49.1
92.5°	143.0	137.3	114.5	91.8	114.5	137.3	143.0	202.7	282.3	322.1	282.8
95°	485.4	468.1	399.2	330.3	399.2	468.1	485.4	637.4	840.1	941.5	795.2
97.5°	1120.6	1087.8	956.7	825.6	956.7	1087.8	1120.6	1216.7	1344.8	1408.8	1164.8
100°	1573.6	1534.5	1378.4	1222.2	1378.4	1534.5	1573.6	1566.6	1557.2	1552.5	1281.8
102.5°	1960.4	1927.0	1793.1	1659.4	1793.1	1927.0	1960.4	1838.0	1674.7	1593.1	1318.5
105°	2411.9	2393.9	2322.0	2250.1	2322.0	2393.9	2411.9	2137.5	1771.6	1588.7	1322.8
107.5°	2646.7	2651.1	2668.4	2685.9	2668.4	2651.1	2646.7	2264.0	1753.6	1498.4	1263.9
110°	2707.0	2725.7	2800.6	2875.5	2800.6	2725.7	2707.0	2279.0	1708.3	1423.1	1211.6

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2668.5	2697.3	2812.3	2927.4	2812.3	2697.3	2668.5	2230.5	1646.5	1354.6	1166.1
115°	2538.4	2578.3	2737.8	2897.3	2737.8	2578.3	2538.4	2116.5	1553.9	1272.6	1113.9
117.5°	2358.5	2402.7	2579.7	2756.6	2579.7	2402.7	2358.5	1977.7	1470.0	1216.1	1081.1
120°	2237.3	2280.3	2452.2	2624.1	2452.2	2280.3	2237.3	1889.4	1425.5	1193.5	1070.1
122.5°	2116.2	2158.5	2328.1	2497.7	2328.1	2158.5	2116.2	1802.9	1385.2	1176.3	1064.3
125°	1955.9	1995.0	2151.2	2307.4	2151.2	1995.0	1955.9	1689.7	1334.9	1157.5	1059.6
127.5°	1827.2	1860.2	1992.0	2123.8	1992.0	1860.2	1827.2	1598.8	1294.0	1141.7	1056.9
130°	1745.9	1776.4	1898.2	2019.9	1898.2	1776.4	1745.9	1542.5	1271.2	1135.6	1058.4
132.5°	1676.7	1703.9	1813.0	1922.0	1813.0	1703.9	1676.7	1494.6	1251.8	1130.3	1059.6
135°	1578.9	1602.3	1696.3	1790.3	1696.3	1602.3	1578.9	1426.4	1223.0	1121.3	1058.6
137.5°	1506.6	1525.8	1602.7	1679.7	1602.7	1525.8	1506.6	1377.6	1205.7	1119.8	1065.1
140°	1448.7	1466.7	1538.6	1610.5	1538.6	1466.7	1448.7	1337.3	1188.8	1114.5	1066.2
142.5°	1408.1	1423.6	1485.4	1547.3	1485.4	1423.6	1408.1	1310.2	1179.8	1114.5	1070.1
145°	1347.1	1358.8	1405.6	1452.4	1405.6	1358.8	1347.1	1267.1	1160.4	1107.0	1070.1
147.5°	1295.9	1305.6	1344.5	1383.2	1344.5	1305.6	1295.9	1233.0	1148.9	1107.0	1077.4
150°	1266.6	1274.4	1305.9	1337.3	1305.9	1274.4	1266.6	1213.4	1142.5	1107.0	1081.2
152.5°	1243.2	1249.1	1272.9	1296.6	1272.9	1249.1	1243.2	1197.8	1137.2	1107.0	1083.7
155°	1215.4	1219.4	1235.1	1250.8	1235.1	1219.4	1215.4	1179.3	1131.1	1107.0	1089.3
157.5°	1191.3	1194.0	1205.0	1216.1	1205.0	1194.0	1191.3	1163.2	1125.7	1107.0	1094.8
160°	1179.3	1180.8	1187.2	1193.5	1187.2	1180.8	1179.3	1155.1	1123.1	1107.0	1097.3
162.5°	1167.9	1169.5	1175.5	1181.5	1175.5	1169.5	1167.9	1147.6	1120.6	1107.0	1100.0
165°	1150.7	1152.2	1158.6	1164.9	1158.6	1152.2	1150.7	1136.2	1116.7	1107.0	1103.8
167.5°	1143.1	1143.8	1146.4	1149.1	1146.4	1143.8	1143.1	1133.6	1120.9	1114.5	1111.8
170°	1143.1	1143.1	1143.1	1143.1	1143.1	1143.1	1143.1	1133.6	1120.9	1114.5	1114.4
172.5°	1137.1	1136.5	1134.2	1131.9	1134.2	1136.5	1137.1	1129.6	1119.6	1114.5	1114.5
175°	1128.9	1128.9	1128.9	1128.9	1128.9	1128.9	1128.9	1124.1	1117.7	1114.5	1116.1
177.5°	1127.3	1126.7	1124.0	1121.3	1124.0	1126.7	1127.3	1123.6	1118.5	1116.0	1117.2
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1017.6	1022.6	1025.5	1029.4	1039.2
5°	978.7	997.2	1003.1	1017.6	1035.2
7.5°	892.9	949.4	965.0	1000.1	1027.4
10°	810.1	866.6	893.9	976.8	1017.6
12.5°	768.1	801.3	819.8	935.8	1004.1
15°	741.8	765.2	778.9	881.2	988.5
17.5°	721.3	737.9	747.7	827.6	967.0
20°	708.6	716.5	725.2	788.6	942.6
22.5°	699.9	695.1	701.8	761.3	909.5
25°	694.1	675.5	683.3	739.8	870.5
27.5°	698.9	658.0	661.0	720.4	829.6
30°	699.9	636.5	637.5	699.9	783.7
32.5°	693.1	614.2	615.1	674.5	732.1
35°	676.5	587.8	586.8	645.4	661.9
37.5°	654.1	559.5	559.5	613.2	584.9
40°	626.7	531.3	534.2	571.2	516.7
42.5°	593.6	501.1	504.9	515.7	466.0
45°	557.6	471.8	474.7	435.8	426.9
47.5°	517.6	441.6	442.5	361.6	414.2
50°	469.9	410.4	406.5	310.0	413.3
52.5°	427.9	376.3	364.5	280.7	375.3
55°	387.0	340.2	314.8	258.3	348.0
57.5°	351.0	293.4	269.1	232.0	342.2
60°	317.7	247.6	229.1	203.7	313.9
62.5°	290.5	213.5	209.6	184.2	284.6
65°	261.2	190.1	189.1	167.6	241.8
67.5°	232.9	174.5	173.5	152.0	184.2
70°	202.7	157.9	156.0	135.5	136.4
72.5°	171.6	139.4	137.4	121.8	113.1
75°	140.4	117.9	117.0	106.3	91.7
77.5°	110.2	93.6	95.5	85.8	67.2
80°	79.0	68.2	70.2	61.4	50.7
82.5°	52.6	44.9	46.8	39.0	34.1
85°	29.3	25.4	26.4	20.4	15.6
87.5°	13.7	11.7	11.7	7.8	4.8
90°	33.0	21.0	19.6	13.6	7.6
92.5°	204.2	145.3	132.5	81.3	30.1
95°	502.4	282.9	259.5	165.9	72.3
97.5°	676.7	310.8	290.1	207.5	124.9
100°	740.2	334.1	315.4	240.5	165.6
102.5°	769.4	357.5	340.0	270.1	200.2
105°	790.9	392.1	377.2	318.1	258.9
107.5°	795.0	443.2	429.5	374.2	319.1
110°	788.9	471.8	459.3	409.5	359.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	789.2	506.5	494.6	447.1	399.6
115°	796.5	558.4	547.5	503.6	459.8
117.5°	811.2	608.8	598.8	559.1	519.3
120°	823.3	638.2	628.8	591.4	553.9
122.5°	840.6	672.8	663.4	625.6	587.8
125°	864.0	717.2	708.5	674.1	639.6
127.5°	887.3	760.1	751.4	716.6	681.8
130°	904.3	788.7	779.3	741.9	704.4
132.5°	918.1	812.0	802.6	765.2	727.7
135°	933.1	839.1	830.5	796.4	762.3
137.5°	955.7	873.7	865.3	831.5	797.7
140°	969.5	897.0	889.3	858.1	827.0
142.5°	981.1	914.3	907.2	878.4	849.6
145°	996.1	940.7	934.4	909.3	884.2
147.5°	1018.2	973.8	967.7	943.3	918.9
150°	1029.8	991.1	985.6	963.6	941.5
152.5°	1037.3	1002.4	998.3	981.5	964.7
155°	1053.8	1027.2	1024.1	1011.8	999.4
157.5°	1070.4	1052.0	1049.0	1037.0	1025.0
160°	1077.9	1063.4	1061.1	1051.7	1042.3
162.5°	1086.0	1075.4	1073.7	1066.6	1059.6
165°	1097.5	1092.7	1091.2	1084.8	1078.4
167.5°	1106.5	1102.5	1101.8	1098.7	1095.7
170°	1114.1	1113.8	1113.0	1110.0	1107.0
172.5°	1114.5	1114.5	1114.4	1113.7	1113.0
175°	1119.1	1121.3	1121.3	1121.3	1121.3
177.5°	1119.6	1121.3	1121.3	1121.3	1121.3
180°	1121.3	1121.3	1121.3	1121.3	1121.3

(END OF REPORT)