

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: P935503

Luminaire Tested: SQ4-FA-125U-050D-B40-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935503
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-B40-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

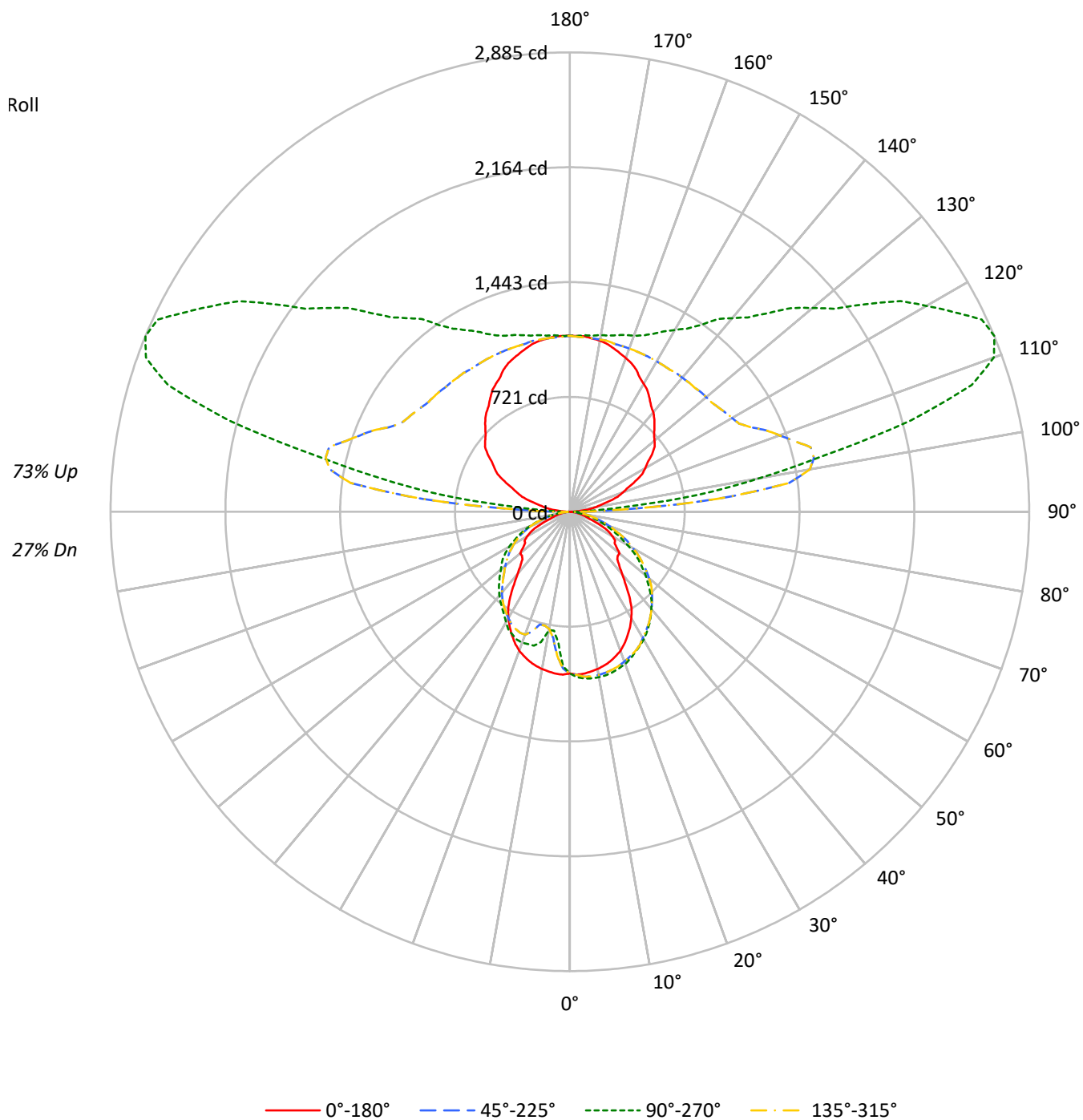
Lumens per Lamp: N/A
Luminaire Lumens: 9801.1 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6326	6341	6326	4986
10°	6281	6247	6281	4466
15°	6211	6111	6211	5103
20°	6079	5951	6079	5113
25°	5811	5717	5811	5005
30°	5465	5523	5465	4768
35°	4870	5277	4870	4506
40°	4055	4989	4055	4308
45°	3621	4649	3621	4081
50°	3843	4247	3843	3853
55°	3612	3811	3612	3721
60°	3719	3237	3719	3408
65°	3368	2676	3368	2992
70°	2326	2132	2326	2508
75°	2032	1576	2032	1888
80°	1624	1041	1624	1135
85°	918	552	918	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	0.9
10°-20°	260.3	2.7
20°-30°	402.3	4.1
30°-40°	480.3	4.9
40°-50°	483.1	4.9
50°-60°	420.3	4.3
60°-70°	298.0	3.0
70°-80°	157.7	1.6
80°-90°	43.5	0.4
90°-100°	538.7	5.5
100°-110°	1416.2	14.4
110°-120°	1468.5	15.0
120°-130°	1177.9	12.0
130°-140°	924.2	9.4
140°-150°	709.4	7.2
150°-160°	510.9	5.2
160°-170°	312.6	3.2
170°-180°	105.6	1.1
0°-30°	754.2	7.7
0°-40°	1234.5	12.6
0°-60°	2137.9	21.8
0°-90°	2637.1	26.9
90°-120°	3423.4	34.9
90°-150°	6234.9	63.6
90°-180°	7164.0	73.1
0°-180°	9801.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1020	1052	1020	827	1020	97
15°	974	1042	974	870	974	274
25°	858	972	858	851	858	394
35°	652	868	652	741	652	404
45°	421	715	421	627	421	337
55°	343	527	343	515	343	315
65°	238	318	238	356	238	228
75°	90	151	90	181	90	95
85°	15	38	15	33	15	21
90°	7	28	7	28	7	7
95°	71	326	71	326	71	79
105°	255	2218	255	2218	255	271
115°	453	2855	453	2855	453	448
125°	630	2274	630	2274	630	560
135°	751	1764	751	1764	751	581
145°	871	1431	871	1431	871	546
155°	985	1233	985	1233	985	453
165°	1063	1148	1063	1148	1063	300
175°	1105	1113	1105	1113	1105	105
180°	1105	1105	1105	1105	1105	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1024.1	1024.1	1029.9	1031.8	1031.8	1028.9	1026.1	1028.9	1037.6	1040.5	1039.5
5°	1020.2	1028.0	1038.6	1040.5	1042.4	1041.4	1039.5	1041.4	1051.0	1053.0	1053.9
7.5°	1012.6	1027.0	1040.5	1043.3	1046.2	1043.3	1042.4	1044.3	1053.9	1055.8	1055.8
10°	1002.9	1023.2	1038.6	1040.5	1043.3	1040.5	1040.5	1044.3	1053.9	1055.8	1056.8
12.5°	989.6	1017.4	1031.8	1033.7	1037.6	1036.7	1035.6	1039.5	1049.1	1051.0	1051.0
15°	974.2	1006.9	1020.2	1022.2	1028.9	1027.0	1027.0	1030.8	1041.4	1044.3	1043.3
17.5°	953.0	993.4	1008.8	1011.6	1016.4	1015.5	1016.4	1020.2	1029.9	1031.8	1032.7
20°	929.0	975.2	993.4	996.3	1001.0	1001.0	1001.0	1005.9	1015.5	1019.3	1019.3
22.5°	896.4	955.9	975.2	977.1	982.8	982.8	984.7	991.5	1000.1	1001.0	1001.0
25°	857.9	934.8	951.1	956.9	962.6	965.5	968.4	972.3	975.2	974.2	975.2
27.5°	817.6	907.8	929.0	932.8	940.6	943.4	947.3	948.2	949.2	952.0	950.1
30°	772.4	870.4	902.1	905.9	918.4	920.3	916.5	918.4	923.2	925.2	927.1
32.5°	721.5	814.7	874.2	882.9	894.5	888.6	887.7	890.5	898.3	898.3	900.2
35°	652.4	771.4	848.3	856.0	864.7	857.9	861.8	862.7	867.5	870.4	869.4
37.5°	576.4	734.0	821.4	827.1	833.9	825.2	831.0	833.9	837.7	835.8	835.8
40°	509.2	675.4	789.7	793.5	799.3	792.6	798.4	800.3	802.2	800.3	799.3
42.5°	459.3	611.0	756.1	760.8	757.0	761.8	763.8	767.6	764.8	760.8	760.8
45°	420.8	593.7	719.6	725.3	719.6	727.2	730.1	730.1	721.5	719.6	718.6
47.5°	408.3	559.2	683.1	683.1	680.2	689.8	694.6	687.9	679.2	676.3	676.3
50°	407.3	520.7	633.1	629.2	642.7	654.3	649.4	642.7	636.0	625.4	625.4
52.5°	369.9	473.6	568.7	583.1	604.3	611.0	603.4	596.6	585.0	580.3	576.4
55°	342.9	424.6	510.2	539.0	561.1	569.7	555.3	548.6	531.3	528.4	526.5
57.5°	337.2	353.5	456.3	492.9	519.7	518.8	510.2	497.7	483.2	480.4	479.4
60°	309.3	255.6	398.7	442.0	469.8	466.9	459.3	447.7	434.2	432.3	430.4
62.5°	280.5	185.5	333.4	382.4	421.7	420.8	414.1	396.8	387.2	382.4	378.6
65°	238.3	155.7	237.3	318.0	374.6	376.6	362.2	349.7	339.1	333.4	332.4
67.5°	181.5	126.8	160.4	265.2	329.6	327.6	309.3	303.6	290.1	287.3	281.5
70°	134.5	84.5	111.4	215.2	285.4	280.5	266.2	259.4	246.9	240.2	236.4
72.5°	111.4	68.2	81.7	167.1	240.2	234.5	221.9	214.2	203.7	197.9	194.1
75°	90.3	72.0	62.5	124.0	195.0	191.2	179.6	172.0	163.3	155.7	156.6
77.5°	66.3	67.2	49.9	91.3	154.7	148.9	142.2	132.6	128.7	121.1	121.1
80°	49.9	52.8	37.4	62.5	111.4	111.4	105.7	98.9	92.3	88.4	88.4
82.5°	33.6	33.6	27.9	39.3	75.9	73.1	69.1	67.2	63.4	61.5	61.5
85°	15.4	19.2	17.3	24.0	41.4	43.3	43.3	41.4	40.4	38.4	39.3
87.5°	4.8	8.7	10.6	13.5	21.1	22.1	23.0	23.0	23.0	24.0	24.0
90°	7.4	13.4	19.3	20.7	32.6	48.4	56.3	50.0	37.5	28.2	28.2
92.5°	29.7	80.1	130.5	143.2	201.2	278.7	317.4	278.2	199.8	141.0	135.3
95°	71.2	163.5	255.7	278.9	495.2	783.7	927.9	828.0	628.2	478.4	461.4
97.5°	123.1	204.5	285.9	306.3	667.0	1148.0	1388.5	1325.3	1199.1	1104.4	1072.1
100°	163.2	237.0	310.9	329.3	729.5	1263.3	1530.1	1534.7	1543.9	1550.8	1512.3
102.5°	197.3	266.2	335.1	352.3	758.3	1299.5	1570.1	1650.5	1811.4	1932.1	1899.1
105°	255.2	313.5	371.8	386.4	779.5	1303.7	1565.7	1746.0	2106.6	2377.1	2359.3
107.5°	314.5	368.8	423.3	436.8	783.5	1245.6	1476.7	1728.3	2231.3	2608.5	2612.8
110°	354.5	403.6	452.7	465.0	777.5	1194.1	1402.5	1683.7	2246.1	2667.9	2686.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	393.8	440.6	487.4	499.2	777.8	1149.2	1335.0	1622.7	2198.3	2630.0	2658.3
115°	453.1	496.3	539.6	550.4	785.0	1097.8	1254.2	1531.4	2085.9	2501.7	2541.1
117.5°	511.8	551.0	590.2	600.0	799.5	1065.5	1198.5	1448.7	1949.2	2324.5	2368.0
120°	545.9	582.8	619.7	629.0	811.4	1054.6	1176.3	1404.9	1862.1	2205.0	2247.4
122.5°	579.3	616.5	653.8	663.1	828.5	1049.0	1159.3	1365.2	1776.9	2085.6	2127.4
125°	630.4	664.4	698.3	706.8	851.5	1044.3	1140.7	1315.6	1665.3	1927.7	1966.2
127.5°	671.9	706.2	740.5	749.1	874.5	1041.6	1125.2	1275.3	1575.7	1800.8	1833.3
130°	694.2	731.1	768.0	777.3	891.2	1043.1	1119.2	1252.9	1520.2	1720.7	1750.7
132.5°	717.2	754.2	791.0	800.3	904.9	1044.3	1114.0	1233.7	1473.0	1652.4	1679.3
135°	751.3	784.9	818.5	826.9	919.7	1043.3	1105.1	1205.3	1405.8	1556.1	1579.2
137.5°	786.2	819.5	852.8	861.1	941.9	1049.7	1103.6	1188.3	1357.7	1484.8	1503.7
140°	815.1	845.7	876.4	884.0	955.5	1050.8	1098.4	1171.6	1318.0	1427.7	1445.5
142.5°	837.3	865.7	894.1	901.1	966.9	1054.6	1098.4	1162.7	1291.3	1387.7	1403.0
145°	871.4	896.2	920.9	927.1	981.7	1054.6	1091.0	1143.6	1248.8	1327.6	1339.2
147.5°	905.6	929.7	953.8	959.8	1003.5	1061.9	1091.0	1132.3	1215.1	1277.2	1286.8
150°	927.9	949.7	971.3	976.8	1014.9	1065.6	1091.0	1125.9	1195.9	1248.3	1256.0
152.5°	950.8	967.3	983.8	987.9	1022.3	1068.1	1091.0	1120.8	1180.5	1225.3	1231.1
155°	985.0	997.2	1009.3	1012.4	1038.6	1073.5	1091.0	1114.8	1162.2	1197.9	1201.8
157.5°	1010.2	1022.0	1033.9	1036.8	1054.9	1079.0	1091.0	1109.4	1146.4	1174.1	1176.8
160°	1027.2	1036.5	1045.7	1048.0	1062.3	1081.4	1091.0	1106.8	1138.5	1162.2	1163.8
162.5°	1044.3	1051.2	1058.1	1059.9	1070.3	1084.1	1091.0	1104.4	1131.0	1151.1	1152.6
165°	1062.8	1069.1	1075.4	1077.0	1081.6	1087.8	1091.0	1100.5	1119.7	1134.1	1135.6
167.5°	1079.9	1082.9	1085.8	1086.6	1090.5	1095.8	1098.4	1104.7	1117.3	1126.6	1127.3
170°	1091.0	1094.0	1096.9	1097.7	1098.0	1098.2	1098.4	1104.7	1117.3	1126.6	1126.6
172.5°	1096.9	1097.6	1098.2	1098.4	1098.4	1098.4	1098.4	1103.4	1113.2	1120.7	1120.1
175°	1105.1	1105.1	1105.1	1105.1	1102.9	1100.0	1098.4	1101.6	1107.9	1112.6	1112.6
177.5°	1105.1	1105.1	1105.1	1105.1	1103.4	1101.0	1099.9	1102.4	1107.3	1111.0	1110.4
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1041.4	1038.6	1041.4	1039.5	1040.5	1037.6	1028.9	1026.1	1028.9	1031.8	1031.8
5°	1053.9	1051.9	1053.9	1053.9	1053.0	1051.0	1041.4	1039.5	1041.4	1042.4	1040.5
7.5°	1057.8	1054.9	1057.8	1055.8	1055.8	1053.9	1044.3	1042.4	1043.3	1046.2	1043.3
10°	1057.8	1054.9	1057.8	1056.8	1055.8	1053.9	1044.3	1040.5	1040.5	1043.3	1040.5
12.5°	1053.0	1051.0	1053.0	1051.0	1051.0	1049.1	1039.5	1035.6	1036.7	1037.6	1033.7
15°	1045.2	1042.4	1045.2	1043.3	1044.3	1041.4	1030.8	1027.0	1027.0	1028.9	1022.2
17.5°	1033.7	1029.9	1033.7	1032.7	1031.8	1029.9	1020.2	1016.4	1015.5	1016.4	1011.6
20°	1020.2	1017.4	1020.2	1019.3	1019.3	1015.5	1005.9	1001.0	1001.0	1001.0	996.3
22.5°	999.1	996.3	999.1	1001.0	1001.0	1000.1	991.5	984.7	982.8	982.8	977.1
25°	975.2	972.3	975.2	975.2	974.2	975.2	972.3	968.4	965.5	962.6	956.9
27.5°	952.0	950.1	952.0	950.1	952.0	949.2	948.2	947.3	943.4	940.6	932.8
30°	929.0	927.1	929.0	927.1	925.2	923.2	918.4	916.5	920.3	918.4	905.9
32.5°	900.2	898.3	900.2	900.2	898.3	898.3	890.5	887.7	888.6	894.5	882.9
35°	870.4	867.5	870.4	869.4	870.4	867.5	862.7	861.8	857.9	864.7	856.0
37.5°	835.8	833.0	835.8	835.8	835.8	837.7	833.9	831.0	825.2	833.9	827.1
40°	800.3	796.5	800.3	799.3	800.3	802.2	800.3	798.4	792.6	799.3	793.5
42.5°	759.9	758.9	759.9	760.8	760.8	764.8	767.6	763.8	761.8	757.0	760.8
45°	716.7	714.7	716.7	718.6	719.6	721.5	730.1	730.1	727.2	719.6	725.3
47.5°	670.6	665.7	670.6	676.3	676.3	679.2	687.9	694.6	689.8	680.2	683.1
50°	621.6	622.6	621.6	625.4	625.4	636.0	642.7	649.4	654.3	642.7	629.2
52.5°	573.6	572.6	573.6	576.4	580.3	585.0	596.6	603.4	611.0	604.3	583.1
55°	525.5	527.4	525.5	526.5	528.4	531.3	548.6	555.3	569.7	561.1	539.0
57.5°	477.5	474.6	477.5	479.4	480.4	483.2	497.7	510.2	518.8	519.7	492.9
60°	421.7	417.9	421.7	430.4	432.3	434.2	447.7	459.3	466.9	469.8	442.0
62.5°	372.7	366.1	372.7	378.6	382.4	387.2	396.8	414.1	420.8	421.7	382.4
65°	320.9	318.0	320.9	332.4	333.4	339.1	349.7	362.2	376.6	374.6	318.0
67.5°	273.8	273.8	273.8	281.5	287.3	290.1	303.6	309.3	327.6	329.6	265.2
70°	230.5	229.6	230.5	236.4	240.2	246.9	259.4	266.2	280.5	285.4	215.2
72.5°	189.3	188.3	189.3	194.1	197.9	203.7	214.2	221.9	234.5	240.2	167.1
75°	152.8	150.8	152.8	156.6	155.7	163.3	172.0	179.6	191.2	195.0	124.0
77.5°	117.2	117.2	117.2	121.1	121.1	128.7	132.6	142.2	148.9	154.7	91.3
80°	87.4	86.4	87.4	88.4	88.4	92.3	98.9	105.7	111.4	111.4	62.5
82.5°	61.5	59.6	61.5	61.5	61.5	63.4	67.2	69.1	73.1	75.9	39.3
85°	38.4	38.4	38.4	39.3	38.4	40.4	41.4	43.3	43.3	41.4	24.0
87.5°	25.0	24.0	25.0	24.0	24.0	23.0	23.0	23.0	22.1	21.1	13.5
90°	28.2	28.2	28.2	28.2	28.2	37.5	50.0	56.3	48.4	32.6	20.7
92.5°	112.9	90.4	112.9	135.3	141.0	199.8	278.2	317.4	278.7	201.2	143.2
95°	393.5	325.6	393.5	461.4	478.4	628.2	828.0	927.9	783.7	495.2	278.9
97.5°	942.9	813.7	942.9	1072.1	1104.4	1199.1	1325.3	1388.5	1148.0	667.0	306.3
100°	1358.5	1204.5	1358.5	1512.3	1550.8	1543.9	1534.7	1530.1	1263.3	729.5	329.3
102.5°	1767.2	1635.4	1767.2	1899.1	1932.1	1811.4	1650.5	1570.1	1299.5	758.3	352.3
105°	2288.5	2217.6	2288.5	2359.3	2377.1	2106.6	1746.0	1565.7	1303.7	779.5	386.4
107.5°	2629.9	2647.1	2629.9	2612.8	2608.5	2231.3	1728.3	1476.7	1245.6	783.5	436.8
110°	2760.1	2834.0	2760.1	2686.3	2667.9	2246.1	1683.7	1402.5	1194.1	777.5	465.0

TEST NUMBER: P935503

CATALOG NUMBER: SQ4-FA-125U-050D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2771.7	2885.2	2771.7	2658.3	2630.0	2198.3	1622.7	1335.0	1149.2	777.8	499.2
115°	2698.3	2855.4	2698.3	2541.1	2501.7	2085.9	1531.4	1254.2	1097.8	785.0	550.4
117.5°	2542.4	2716.8	2542.4	2368.0	2324.5	1949.2	1448.7	1198.5	1065.5	799.5	600.0
120°	2416.8	2586.2	2416.8	2247.4	2205.0	1862.1	1404.9	1176.3	1054.6	811.4	629.0
122.5°	2294.5	2461.6	2294.5	2127.4	2085.6	1776.9	1365.2	1159.3	1049.0	828.5	663.1
125°	2120.1	2274.0	2120.1	1966.2	1927.7	1665.3	1315.6	1140.7	1044.3	851.5	706.8
127.5°	1963.2	2093.1	1963.2	1833.3	1800.8	1575.7	1275.3	1125.2	1041.6	874.5	749.1
130°	1870.7	1990.7	1870.7	1750.7	1720.7	1520.2	1252.9	1119.2	1043.1	891.2	777.3
132.5°	1786.8	1894.2	1786.8	1679.3	1652.4	1473.0	1233.7	1114.0	1044.3	904.9	800.3
135°	1671.8	1764.5	1671.8	1579.2	1556.1	1405.8	1205.3	1105.1	1043.3	919.7	826.9
137.5°	1579.6	1655.4	1579.6	1503.7	1484.8	1357.7	1188.3	1103.6	1049.7	941.9	861.1
140°	1516.3	1587.2	1516.3	1445.5	1427.7	1318.0	1171.6	1098.4	1050.8	955.5	884.0
142.5°	1463.9	1524.9	1463.9	1403.0	1387.7	1291.3	1162.7	1098.4	1054.6	966.9	901.1
145°	1385.3	1431.4	1385.3	1339.2	1327.6	1248.8	1143.6	1091.0	1054.6	981.7	927.1
147.5°	1325.1	1363.3	1325.1	1286.8	1277.2	1215.1	1132.3	1091.0	1061.9	1003.5	959.8
150°	1287.1	1318.0	1287.1	1256.0	1248.3	1195.9	1125.9	1091.0	1065.6	1014.9	976.8
152.5°	1254.5	1277.9	1254.5	1231.1	1225.3	1180.5	1120.8	1091.0	1068.1	1022.3	987.9
155°	1217.2	1232.7	1217.2	1201.8	1197.9	1162.2	1114.8	1091.0	1073.5	1038.6	1012.4
157.5°	1187.6	1198.5	1187.6	1176.8	1174.1	1146.4	1109.4	1091.0	1079.0	1054.9	1036.8
160°	1170.1	1176.3	1170.1	1163.8	1162.2	1138.5	1106.8	1091.0	1081.4	1062.3	1048.0
162.5°	1158.5	1164.4	1158.5	1152.6	1151.1	1131.0	1104.4	1091.0	1084.1	1070.3	1059.9
165°	1141.9	1148.1	1141.9	1135.6	1134.1	1119.7	1100.5	1091.0	1087.8	1081.6	1077.0
167.5°	1129.9	1132.5	1129.9	1127.3	1126.6	1117.3	1104.7	1098.4	1095.8	1090.5	1086.6
170°	1126.6	1126.6	1126.6	1126.6	1126.6	1117.3	1104.7	1098.4	1098.2	1098.0	1097.7
172.5°	1117.8	1115.5	1117.8	1120.1	1120.7	1113.2	1103.4	1098.4	1098.4	1098.4	1098.4
175°	1112.6	1112.6	1112.6	1112.6	1112.6	1107.9	1101.6	1098.4	1100.0	1102.9	1105.1
177.5°	1107.8	1105.1	1107.8	1110.4	1111.0	1107.3	1102.4	1099.9	1101.0	1103.4	1105.1
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1

TEST NUMBER: P935503

CATALOG NUMBER: SQ4-FA-125U-050D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1029.9	1024.1	1024.1	1014.5	1010.7	1007.8	1002.9	988.6	984.7	980.9	986.6
5°	1038.6	1028.0	1020.2	1002.9	988.6	982.8	964.6	930.0	906.9	889.6	880.0
7.5°	1040.5	1027.0	1012.6	985.7	951.1	935.7	880.0	816.6	799.3	784.0	774.3
10°	1038.6	1023.2	1002.9	962.6	881.0	854.1	798.4	757.0	746.4	743.6	746.4
12.5°	1031.8	1017.4	989.6	922.2	807.9	789.7	757.0	733.1	731.1	735.9	761.8
15°	1020.2	1006.9	974.2	868.5	767.6	754.2	731.1	722.5	733.1	766.7	844.5
17.5°	1008.8	993.4	953.0	815.7	736.9	727.2	710.9	728.2	787.8	833.0	858.8
20°	993.4	975.2	929.0	777.2	714.7	706.1	698.4	776.2	821.4	837.7	852.1
22.5°	975.2	955.9	896.4	750.3	691.7	685.0	689.8	803.2	821.4	833.0	845.5
25°	951.1	934.8	857.9	729.1	673.5	665.7	684.1	800.3	810.8	813.8	838.7
27.5°	929.0	907.8	817.6	709.9	651.4	648.4	688.8	787.8	795.5	798.4	825.2
30°	902.1	870.4	772.4	689.8	628.3	627.3	689.8	772.4	770.5	778.1	805.1
32.5°	874.2	814.7	721.5	664.8	606.2	605.3	683.1	749.4	747.5	758.0	778.1
35°	848.3	771.4	652.4	636.0	578.3	579.3	666.7	722.5	723.4	733.1	745.5
37.5°	821.4	734.0	576.4	604.3	551.4	551.4	644.6	697.4	695.5	698.4	715.8
40°	789.7	675.4	509.2	563.0	526.5	523.6	617.7	670.6	663.8	662.9	686.9
42.5°	756.1	611.0	459.3	508.3	497.7	493.8	585.0	637.9	625.4	628.3	659.0
45°	719.6	593.7	420.8	429.5	467.9	465.0	549.5	600.4	591.8	599.5	631.2
47.5°	683.1	559.2	408.3	356.4	436.1	435.2	510.2	563.9	559.2	566.8	600.4
50°	633.1	520.7	407.3	305.5	400.6	404.4	463.1	528.4	528.4	535.1	570.7
52.5°	568.7	473.6	369.9	276.7	359.3	370.8	421.7	497.7	499.6	506.3	538.0
55°	510.2	424.6	342.9	254.6	310.3	335.3	381.4	465.9	469.8	476.5	505.3
57.5°	456.3	353.5	337.2	228.6	265.2	289.2	345.9	435.2	437.1	442.9	470.7
60°	398.7	255.6	309.3	200.7	225.8	244.0	313.1	398.7	405.4	409.2	433.3
62.5°	333.4	185.5	280.5	181.5	206.6	210.4	286.3	364.1	372.7	375.6	390.0
65°	237.3	155.7	238.3	165.2	186.4	187.4	257.5	328.5	336.3	341.0	351.6
67.5°	160.4	126.8	181.5	149.8	171.0	172.0	229.6	287.3	297.9	301.7	308.4
70°	111.4	84.5	134.5	133.5	153.8	155.7	199.8	249.8	259.4	262.2	266.2
72.5°	81.7	68.2	111.4	120.0	135.4	137.4	169.1	207.5	217.2	220.0	221.9
75°	62.5	72.0	90.3	104.8	115.3	116.2	138.4	169.1	175.8	177.7	178.7
77.5°	49.9	67.2	66.3	84.5	94.2	92.3	108.6	130.6	136.4	136.4	136.4
80°	37.4	52.8	49.9	60.5	69.1	67.2	77.8	93.2	95.1	97.0	96.1
82.5°	27.9	33.6	33.6	38.4	46.1	44.2	51.9	60.5	60.5	60.5	62.5
85°	17.3	19.2	15.4	20.2	26.0	25.0	28.8	32.7	33.6	33.6	31.7
87.5°	10.6	8.7	4.8	7.6	11.6	11.6	13.5	14.4	13.5	13.5	13.5
90°	19.3	13.4	7.4	13.4	19.3	20.7	32.6	48.4	56.3	50.0	37.5
92.5°	130.5	80.1	29.7	80.1	130.5	143.2	201.2	278.7	317.4	278.2	199.8
95°	255.7	163.5	71.2	163.5	255.7	278.9	495.2	783.7	927.9	828.0	628.2
97.5°	285.9	204.5	123.1	204.5	285.9	306.3	667.0	1148.0	1388.5	1325.3	1199.1
100°	310.9	237.0	163.2	237.0	310.9	329.3	729.5	1263.3	1530.1	1534.7	1543.9
102.5°	335.1	266.2	197.3	266.2	335.1	352.3	758.3	1299.5	1570.1	1650.5	1811.4
105°	371.8	313.5	255.2	313.5	371.8	386.4	779.5	1303.7	1565.7	1746.0	2106.6
107.5°	423.3	368.8	314.5	368.8	423.3	436.8	783.5	1245.6	1476.7	1728.3	2231.3
110°	452.7	403.6	354.5	403.6	452.7	465.0	777.5	1194.1	1402.5	1683.7	2246.1

TEST NUMBER: P935503

CATALOG NUMBER: SQ4-FA-125U-050D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	487.4	440.6	393.8	440.6	487.4	499.2	777.8	1149.2	1335.0	1622.7	2198.3
115°	539.6	496.3	453.1	496.3	539.6	550.4	785.0	1097.8	1254.2	1531.4	2085.9
117.5°	590.2	551.0	511.8	551.0	590.2	600.0	799.5	1065.5	1198.5	1448.7	1949.2
120°	619.7	582.8	545.9	582.8	619.7	629.0	811.4	1054.6	1176.3	1404.9	1862.1
122.5°	653.8	616.5	579.3	616.5	653.8	663.1	828.5	1049.0	1159.3	1365.2	1776.9
125°	698.3	664.4	630.4	664.4	698.3	706.8	851.5	1044.3	1140.7	1315.6	1665.3
127.5°	740.5	706.2	671.9	706.2	740.5	749.1	874.5	1041.6	1125.2	1275.3	1575.7
130°	768.0	731.1	694.2	731.1	768.0	777.3	891.2	1043.1	1119.2	1252.9	1520.2
132.5°	791.0	754.2	717.2	754.2	791.0	800.3	904.9	1044.3	1114.0	1233.7	1473.0
135°	818.5	784.9	751.3	784.9	818.5	826.9	919.7	1043.3	1105.1	1205.3	1405.8
137.5°	852.8	819.5	786.2	819.5	852.8	861.1	941.9	1049.7	1103.6	1188.3	1357.7
140°	876.4	845.7	815.1	845.7	876.4	884.0	955.5	1050.8	1098.4	1171.6	1318.0
142.5°	894.1	865.7	837.3	865.7	894.1	901.1	966.9	1054.6	1098.4	1162.7	1291.3
145°	920.9	896.2	871.4	896.2	920.9	927.1	981.7	1054.6	1091.0	1143.6	1248.8
147.5°	953.8	929.7	905.6	929.7	953.8	959.8	1003.5	1061.9	1091.0	1132.3	1215.1
150°	971.3	949.7	927.9	949.7	971.3	976.8	1014.9	1065.6	1091.0	1125.9	1195.9
152.5°	983.8	967.3	950.8	967.3	983.8	987.9	1022.3	1068.1	1091.0	1120.8	1180.5
155°	1009.3	997.2	985.0	997.2	1009.3	1012.4	1038.6	1073.5	1091.0	1114.8	1162.2
157.5°	1033.9	1022.0	1010.2	1022.0	1033.9	1036.8	1054.9	1079.0	1091.0	1109.4	1146.4
160°	1045.7	1036.5	1027.2	1036.5	1045.7	1048.0	1062.3	1081.4	1091.0	1106.8	1138.5
162.5°	1058.1	1051.2	1044.3	1051.2	1058.1	1059.9	1070.3	1084.1	1091.0	1104.4	1131.0
165°	1075.4	1069.1	1062.8	1069.1	1075.4	1077.0	1081.6	1087.8	1091.0	1100.5	1119.7
167.5°	1085.8	1082.9	1079.9	1082.9	1085.8	1086.6	1090.5	1095.8	1098.4	1104.7	1117.3
170°	1096.9	1094.0	1091.0	1094.0	1096.9	1097.7	1098.0	1098.2	1098.4	1104.7	1117.3
172.5°	1098.2	1097.6	1096.9	1097.6	1098.2	1098.4	1098.4	1098.4	1098.4	1103.4	1113.2
175°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1102.9	1100.0	1098.4	1101.6	1107.9
177.5°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1103.4	1101.0	1099.9	1102.4	1107.3
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1

TEST NUMBER: P935503

CATALOG NUMBER: SQ4-FA-125U-050D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	979.9	977.1	980.9	970.3	980.9	977.1	979.9	986.6	980.9	984.7	988.6
5°	859.9	855.0	839.6	827.1	839.6	855.0	859.9	880.0	889.6	906.9	930.0
7.5°	768.6	764.8	760.8	753.2	760.8	764.8	768.6	774.3	784.0	799.3	816.6
10°	748.4	749.4	755.1	754.2	755.1	749.4	748.4	746.4	743.6	746.4	757.0
12.5°	800.3	808.9	840.6	838.7	840.6	808.9	800.3	761.8	735.9	731.1	733.1
15°	859.9	862.7	869.4	870.4	869.4	862.7	859.9	844.5	766.7	733.1	722.5
17.5°	865.6	866.6	871.3	871.3	871.3	866.6	865.6	858.8	833.0	787.8	728.2
20°	860.8	862.7	872.3	874.2	872.3	862.7	860.8	852.1	837.7	821.4	776.2
22.5°	858.8	862.7	870.4	869.4	870.4	862.7	858.8	845.5	833.0	821.4	803.2
25°	849.3	849.3	850.2	851.2	850.2	849.3	849.3	838.7	813.8	810.8	800.3
27.5°	829.1	831.0	836.8	835.8	836.8	831.0	829.1	825.2	798.4	795.5	787.8
30°	810.8	808.9	804.1	800.3	804.1	808.9	810.8	805.1	778.1	770.5	772.4
32.5°	780.1	775.3	770.5	767.6	770.5	775.3	780.1	778.1	758.0	747.5	749.4
35°	743.6	744.5	743.6	740.7	743.6	744.5	743.6	745.5	733.1	723.4	722.5
37.5°	717.7	719.6	718.6	714.7	718.6	719.6	717.7	715.8	698.4	695.5	697.4
40°	690.8	691.7	690.8	687.9	690.8	691.7	690.8	686.9	662.9	663.8	670.6
42.5°	664.8	663.8	661.0	659.0	661.0	663.8	664.8	659.0	628.3	625.4	637.9
45°	635.1	636.0	630.2	627.3	630.2	636.0	635.1	631.2	599.5	591.8	600.4
47.5°	605.3	605.3	600.4	597.5	600.4	605.3	605.3	600.4	566.8	559.2	563.9
50°	573.6	572.6	565.8	564.9	565.8	572.6	573.6	570.7	535.1	528.4	528.4
52.5°	537.0	537.0	538.0	540.0	538.0	537.0	537.0	538.0	506.3	499.6	497.7
55°	505.3	506.3	513.0	514.9	513.0	506.3	505.3	505.3	476.5	469.8	465.9
57.5°	472.6	472.6	477.5	477.5	477.5	472.6	472.6	470.7	442.9	437.1	435.2
60°	435.2	437.1	440.9	440.0	440.9	437.1	435.2	433.3	409.2	405.4	398.7
62.5°	395.8	397.8	398.7	396.8	398.7	397.8	395.8	390.0	375.6	372.7	364.1
65°	354.5	356.4	357.4	355.5	357.4	356.4	354.5	351.6	341.0	336.3	328.5
67.5°	312.2	311.2	310.3	314.2	310.3	311.2	312.2	308.4	301.7	297.9	287.3
70°	269.0	269.0	268.1	270.0	268.1	269.0	269.0	266.2	262.2	259.4	249.8
72.5°	222.9	221.9	225.8	222.9	225.8	221.9	222.9	221.9	220.0	217.2	207.5
75°	177.7	179.6	177.7	180.6	177.7	179.6	177.7	178.7	177.7	175.8	169.1
77.5°	135.4	137.4	135.4	135.4	135.4	137.4	135.4	136.4	136.4	136.4	130.6
80°	96.1	95.1	95.1	94.2	95.1	95.1	96.1	96.1	97.0	95.1	93.2
82.5°	61.5	60.5	60.5	62.5	60.5	60.5	61.5	62.5	60.5	60.5	60.5
85°	33.6	34.6	32.7	32.7	32.7	34.6	33.6	31.7	33.6	33.6	32.7
87.5°	12.5	11.6	11.6	11.6	11.6	11.6	12.5	13.5	13.5	13.5	14.4
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.5	50.0	56.3	48.4
92.5°	141.0	135.3	112.9	90.4	112.9	135.3	141.0	199.8	278.2	317.4	278.7
95°	478.4	461.4	393.5	325.6	393.5	461.4	478.4	628.2	828.0	927.9	783.7
97.5°	1104.4	1072.1	942.9	813.7	942.9	1072.1	1104.4	1199.1	1325.3	1388.5	1148.0
100°	1550.8	1512.3	1358.5	1204.5	1358.5	1512.3	1550.8	1543.9	1534.7	1530.1	1263.3
102.5°	1932.1	1899.1	1767.2	1635.4	1767.2	1899.1	1932.1	1811.4	1650.5	1570.1	1299.5
105°	2377.1	2359.3	2288.5	2217.6	2288.5	2359.3	2377.1	2106.6	1746.0	1565.7	1303.7
107.5°	2608.5	2612.8	2629.9	2647.1	2629.9	2612.8	2608.5	2231.3	1728.3	1476.7	1245.6
110°	2667.9	2686.3	2760.1	2834.0	2760.1	2686.3	2667.9	2246.1	1683.7	1402.5	1194.1

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2630.0	2658.3	2771.7	2885.2	2771.7	2658.3	2630.0	2198.3	1622.7	1335.0	1149.2
115°	2501.7	2541.1	2698.3	2855.4	2698.3	2541.1	2501.7	2085.9	1531.4	1254.2	1097.8
117.5°	2324.5	2368.0	2542.4	2716.8	2542.4	2368.0	2324.5	1949.2	1448.7	1198.5	1065.5
120°	2205.0	2247.4	2416.8	2586.2	2416.8	2247.4	2205.0	1862.1	1404.9	1176.3	1054.6
122.5°	2085.6	2127.4	2294.5	2461.6	2294.5	2127.4	2085.6	1776.9	1365.2	1159.3	1049.0
125°	1927.7	1966.2	2120.1	2274.0	2120.1	1966.2	1927.7	1665.3	1315.6	1140.7	1044.3
127.5°	1800.8	1833.3	1963.2	2093.1	1963.2	1833.3	1800.8	1575.7	1275.3	1125.2	1041.6
130°	1720.7	1750.7	1870.7	1990.7	1870.7	1750.7	1720.7	1520.2	1252.9	1119.2	1043.1
132.5°	1652.4	1679.3	1786.8	1894.2	1786.8	1679.3	1652.4	1473.0	1233.7	1114.0	1044.3
135°	1556.1	1579.2	1671.8	1764.5	1671.8	1579.2	1556.1	1405.8	1205.3	1105.1	1043.3
137.5°	1484.8	1503.7	1579.6	1655.4	1579.6	1503.7	1484.8	1357.7	1188.3	1103.6	1049.7
140°	1427.7	1445.5	1516.3	1587.2	1516.3	1445.5	1427.7	1318.0	1171.6	1098.4	1050.8
142.5°	1387.7	1403.0	1463.9	1524.9	1463.9	1403.0	1387.7	1291.3	1162.7	1098.4	1054.6
145°	1327.6	1339.2	1385.3	1431.4	1385.3	1339.2	1327.6	1248.8	1143.6	1091.0	1054.6
147.5°	1277.2	1286.8	1325.1	1363.3	1325.1	1286.8	1277.2	1215.1	1132.3	1091.0	1061.9
150°	1248.3	1256.0	1287.1	1318.0	1287.1	1256.0	1248.3	1195.9	1125.9	1091.0	1065.6
152.5°	1225.3	1231.1	1254.5	1277.9	1254.5	1231.1	1225.3	1180.5	1120.8	1091.0	1068.1
155°	1197.9	1201.8	1217.2	1232.7	1217.2	1201.8	1197.9	1162.2	1114.8	1091.0	1073.5
157.5°	1174.1	1176.8	1187.6	1198.5	1187.6	1176.8	1174.1	1146.4	1109.4	1091.0	1079.0
160°	1162.2	1163.8	1170.1	1176.3	1170.1	1163.8	1162.2	1138.5	1106.8	1091.0	1081.4
162.5°	1151.1	1152.6	1158.5	1164.4	1158.5	1152.6	1151.1	1131.0	1104.4	1091.0	1084.1
165°	1134.1	1135.6	1141.9	1148.1	1141.9	1135.6	1134.1	1119.7	1100.5	1091.0	1087.8
167.5°	1126.6	1127.3	1129.9	1132.5	1129.9	1127.3	1126.6	1117.3	1104.7	1098.4	1095.8
170°	1126.6	1126.6	1126.6	1126.6	1126.6	1126.6	1126.6	1117.3	1104.7	1098.4	1098.2
172.5°	1120.7	1120.1	1117.8	1115.5	1117.8	1120.1	1120.7	1113.2	1103.4	1098.4	1098.4
175°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1107.9	1101.6	1098.4	1100.0
177.5°	1111.0	1110.4	1107.8	1105.1	1107.8	1110.4	1111.0	1107.3	1102.4	1099.9	1101.0
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1002.9	1007.8	1010.7	1014.5	1024.1
5°	964.6	982.8	988.6	1002.9	1020.2
7.5°	880.0	935.7	951.1	985.7	1012.6
10°	798.4	854.1	881.0	962.6	1002.9
12.5°	757.0	789.7	807.9	922.2	989.6
15°	731.1	754.2	767.6	868.5	974.2
17.5°	710.9	727.2	736.9	815.7	953.0
20°	698.4	706.1	714.7	777.2	929.0
22.5°	689.8	685.0	691.7	750.3	896.4
25°	684.1	665.7	673.5	729.1	857.9
27.5°	688.8	648.4	651.4	709.9	817.6
30°	689.8	627.3	628.3	689.8	772.4
32.5°	683.1	605.3	606.2	664.8	721.5
35°	666.7	579.3	578.3	636.0	652.4
37.5°	644.6	551.4	551.4	604.3	576.4
40°	617.7	523.6	526.5	563.0	509.2
42.5°	585.0	493.8	497.7	508.3	459.3
45°	549.5	465.0	467.9	429.5	420.8
47.5°	510.2	435.2	436.1	356.4	408.3
50°	463.1	404.4	400.6	305.5	407.3
52.5°	421.7	370.8	359.3	276.7	369.9
55°	381.4	335.3	310.3	254.6	342.9
57.5°	345.9	289.2	265.2	228.6	337.2
60°	313.1	244.0	225.8	200.7	309.3
62.5°	286.3	210.4	206.6	181.5	280.5
65°	257.5	187.4	186.4	165.2	238.3
67.5°	229.6	172.0	171.0	149.8	181.5
70°	199.8	155.7	153.8	133.5	134.5
72.5°	169.1	137.4	135.4	120.0	111.4
75°	138.4	116.2	115.3	104.8	90.3
77.5°	108.6	92.3	94.2	84.5	66.3
80°	77.8	67.2	69.1	60.5	49.9
82.5°	51.9	44.2	46.1	38.4	33.6
85°	28.8	25.0	26.0	20.2	15.4
87.5°	13.5	11.6	11.6	7.6	4.8
90°	32.6	20.7	19.3	13.4	7.4
92.5°	201.2	143.2	130.5	80.1	29.7
95°	495.2	278.9	255.7	163.5	71.2
97.5°	667.0	306.3	285.9	204.5	123.1
100°	729.5	329.3	310.9	237.0	163.2
102.5°	758.3	352.3	335.1	266.2	197.3
105°	779.5	386.4	371.8	313.5	255.2
107.5°	783.5	436.8	423.3	368.8	314.5
110°	777.5	465.0	452.7	403.6	354.5

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	777.8	499.2	487.4	440.6	393.8
115°	785.0	550.4	539.6	496.3	453.1
117.5°	799.5	600.0	590.2	551.0	511.8
120°	811.4	629.0	619.7	582.8	545.9
122.5°	828.5	663.1	653.8	616.5	579.3
125°	851.5	706.8	698.3	664.4	630.4
127.5°	874.5	749.1	740.5	706.2	671.9
130°	891.2	777.3	768.0	731.1	694.2
132.5°	904.9	800.3	791.0	754.2	717.2
135°	919.7	826.9	818.5	784.9	751.3
137.5°	941.9	861.1	852.8	819.5	786.2
140°	955.5	884.0	876.4	845.7	815.1
142.5°	966.9	901.1	894.1	865.7	837.3
145°	981.7	927.1	920.9	896.2	871.4
147.5°	1003.5	959.8	953.8	929.7	905.6
150°	1014.9	976.8	971.3	949.7	927.9
152.5°	1022.3	987.9	983.8	967.3	950.8
155°	1038.6	1012.4	1009.3	997.2	985.0
157.5°	1054.9	1036.8	1033.9	1022.0	1010.2
160°	1062.3	1048.0	1045.7	1036.5	1027.2
162.5°	1070.3	1059.9	1058.1	1051.2	1044.3
165°	1081.6	1077.0	1075.4	1069.1	1062.8
167.5°	1090.5	1086.6	1085.8	1082.9	1079.9
170°	1098.0	1097.7	1096.9	1094.0	1091.0
172.5°	1098.4	1098.4	1098.2	1097.6	1096.9
175°	1102.9	1105.1	1105.1	1105.1	1105.1
177.5°	1103.4	1105.1	1105.1	1105.1	1105.1
180°	1105.1	1105.1	1105.1	1105.1	1105.1

(END OF REPORT)