

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: P935507

Luminaire Tested: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935507
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-B50-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

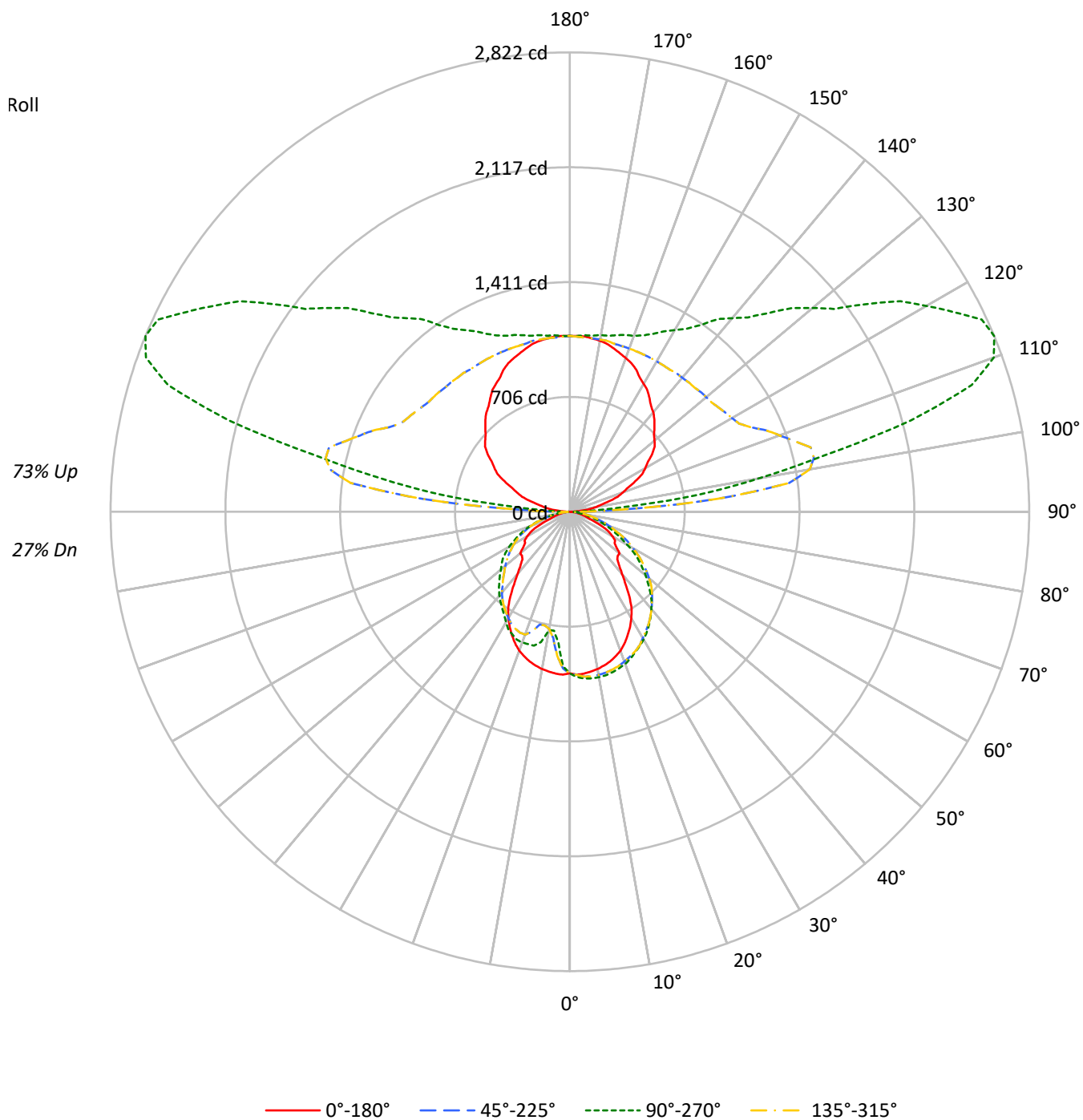
Lumens per Lamp: N/A
Luminaire Lumens: 9585.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

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					0
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°	6143	6143	6143	6143
5°	6187	6202	6187	4876
10°	6144	6109	6144	4368
15°	6075	5977	6075	4990
20°	5945	5820	5945	5001
25°	5683	5591	5683	4895
30°	5345	5401	5345	4663
35°	4763	5161	4763	4407
40°	3966	4879	3966	4214
45°	3541	4547	3541	3991
50°	3760	4153	3760	3769
55°	3533	3727	3533	3639
60°	3638	3166	3638	3333
65°	3293	2617	3293	2925
70°	2274	2085	2274	2452
75°	1989	1542	1989	1846
80°	1588	1018	1588	1110
85°	894	539	894	458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5432 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	0.9
10°-20°	254.5	2.7
20°-30°	393.5	4.1
30°-40°	469.7	4.9
40°-50°	472.5	4.9
50°-60°	411.1	4.3
60°-70°	291.5	3.0
70°-80°	154.2	1.6
80°-90°	42.5	0.4
90°-100°	526.8	5.5
100°-110°	1385.1	14.4
110°-120°	1436.2	15.0
120°-130°	1152.0	12.0
130°-140°	903.9	9.4
140°-150°	693.8	7.2
150°-160°	499.6	5.2
160°-170°	305.7	3.2
170°-180°	103.3	1.1
0°-30°	737.7	7.7
0°-40°	1207.4	12.6
0°-60°	2090.9	21.8
0°-90°	2579.2	26.9
90°-120°	3348.1	34.9
90°-150°	6097.8	63.6
90°-180°	7006.0	73.1
0°-180°	9585.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	993	993	993	993	993	
5°	998	1029	998	809	998	95
15°	953	1020	953	851	953	268
25°	839	951	839	832	839	385
35°	638	848	638	724	638	395
45°	412	699	412	614	412	330
55°	335	516	335	504	335	308
65°	233	311	233	348	233	223
75°	88	148	88	177	88	93
85°	15	38	15	32	15	20
90°	7	28	7	28	7	7
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	616	2224	616	2224	616	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1039	1123	1039	1123	1039	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1001.6	1001.6	1007.2	1009.1	1009.1	1006.3	1003.5	1006.3	1014.8	1017.6	1016.7
5°	997.8	1005.4	1015.7	1017.6	1019.5	1018.5	1016.7	1018.5	1027.9	1029.8	1030.8
7.5°	990.3	1004.4	1017.6	1020.4	1023.2	1020.4	1019.5	1021.3	1030.8	1032.6	1032.6
10°	980.9	1000.7	1015.7	1017.6	1020.4	1017.6	1017.6	1021.3	1030.8	1032.6	1033.6
12.5°	967.8	995.0	1009.1	1011.0	1014.8	1013.9	1012.8	1016.7	1026.0	1027.9	1027.9
15°	952.8	984.7	997.8	999.8	1006.3	1004.4	1004.4	1008.2	1018.5	1021.3	1020.4
17.5°	932.0	971.5	986.6	989.4	994.1	993.1	994.1	997.8	1007.2	1009.1	1010.0
20°	908.6	953.7	971.5	974.3	979.0	979.0	979.0	983.8	993.1	996.9	996.9
22.5°	876.7	934.8	953.7	955.6	961.2	961.2	963.0	969.7	978.1	979.0	979.0
25°	839.0	914.2	930.2	935.9	941.5	944.3	947.1	950.9	953.7	952.8	953.7
27.5°	799.6	887.9	908.6	912.3	919.9	922.7	926.4	927.4	928.3	931.1	929.2
30°	755.4	851.2	882.3	886.0	898.2	900.1	896.4	898.2	902.9	904.9	906.7
32.5°	705.6	796.8	855.0	863.5	874.8	869.1	868.2	871.0	878.5	878.5	880.4
35°	638.0	754.5	829.7	837.1	845.6	839.0	842.8	843.8	848.4	851.2	850.3
37.5°	563.8	717.9	803.3	808.9	815.6	807.1	812.8	815.6	819.3	817.4	817.4
40°	498.0	660.5	772.3	776.1	781.8	775.1	780.8	782.7	784.6	782.7	781.8
42.5°	449.2	597.6	739.4	744.1	740.4	745.1	747.0	750.7	747.9	744.1	744.1
45°	411.5	580.7	703.8	709.4	703.8	711.2	714.0	714.0	705.6	703.8	702.8
47.5°	399.3	546.9	668.1	668.1	665.2	674.6	679.3	672.8	664.3	661.5	661.5
50°	398.4	509.2	619.1	615.4	628.6	639.9	635.1	628.6	622.0	611.7	611.7
52.5°	361.7	463.2	556.2	570.3	591.0	597.6	590.1	583.5	572.2	567.5	563.8
55°	335.4	415.3	498.9	527.1	548.7	557.1	543.1	536.5	519.6	516.8	514.9
57.5°	329.8	345.8	446.3	482.0	508.3	507.3	498.9	486.7	472.6	469.8	468.9
60°	302.5	249.9	389.9	432.3	459.4	456.6	449.2	437.9	424.7	422.8	421.0
62.5°	274.3	181.4	326.1	374.0	412.5	411.5	405.0	388.1	378.6	374.0	370.2
65°	233.0	152.2	232.1	311.0	366.4	368.3	354.3	342.0	331.7	326.1	325.1
67.5°	177.6	124.0	156.9	259.4	322.3	320.4	302.5	296.9	283.7	280.9	275.3
70°	131.5	82.7	109.0	210.4	279.1	274.3	260.3	253.7	241.4	234.9	231.2
72.5°	109.0	66.7	79.9	163.5	234.9	229.3	217.1	209.5	199.2	193.5	189.8
75°	88.4	70.4	61.1	121.2	190.7	187.0	175.7	168.2	159.7	152.2	153.2
77.5°	64.8	65.8	48.8	89.3	151.3	145.6	139.1	129.6	125.9	118.4	118.4
80°	48.8	51.7	36.6	61.1	109.0	109.0	103.4	96.8	90.2	86.5	86.5
82.5°	32.9	32.9	27.3	38.5	74.3	71.5	67.6	65.8	62.0	60.1	60.1
85°	15.0	18.8	16.9	23.4	40.4	42.3	42.3	40.4	39.5	37.5	38.5
87.5°	4.7	8.5	10.4	13.2	20.6	21.6	22.5	22.5	22.5	23.4	23.4
90°	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7	27.6	27.6
92.5°	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4	137.9	132.3
95°	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4	467.8	451.2
97.5°	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7	1080.1	1048.5
100°	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0	1516.7	1479.1
102.5°	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6	1889.6	1857.4
105°	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3	2324.8	2307.4
107.5°	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2	2551.1	2555.3
110°	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7	2609.2	2627.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0	2572.1	2599.9
115°	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0	2446.7	2485.2
117.5°	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3	2273.4	2315.9
120°	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1	2156.5	2198.0
122.5°	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8	2039.8	2080.6
125°	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7	1885.3	1922.9
127.5°	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0	1761.2	1793.0
130°	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7	1682.9	1712.2
132.5°	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6	1616.1	1642.3
135°	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8	1521.9	1544.5
137.5°	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9	1452.2	1470.7
140°	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0	1396.3	1413.7
142.5°	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9	1357.2	1372.1
145°	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3	1298.4	1309.7
147.5°	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4	1249.1	1258.5
150°	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6	1220.8	1228.4
152.5°	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5	1198.3	1204.0
155°	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7	1171.5	1175.3
157.5°	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2	1148.3	1150.9
160°	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4	1136.7	1138.2
162.5°	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1	1125.8	1127.2
165°	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1	1109.1	1110.6
167.5°	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7	1101.8	1102.5
170°	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7	1101.8	1101.8
172.5°	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8	1096.0	1095.5
175°	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0	1086.6	1086.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1018.5	1015.7	1018.5	1016.7	1017.6	1014.8	1006.3	1003.5	1006.3	1009.1	1009.1
5°	1030.8	1028.8	1030.8	1030.8	1029.8	1027.9	1018.5	1016.7	1018.5	1019.5	1017.6
7.5°	1034.5	1031.7	1034.5	1032.6	1032.6	1030.8	1021.3	1019.5	1020.4	1023.2	1020.4
10°	1034.5	1031.7	1034.5	1033.6	1032.6	1030.8	1021.3	1017.6	1017.6	1020.4	1017.6
12.5°	1029.8	1027.9	1029.8	1027.9	1027.9	1026.0	1016.7	1012.8	1013.9	1014.8	1011.0
15°	1022.3	1019.5	1022.3	1020.4	1021.3	1018.5	1008.2	1004.4	1004.4	1006.3	999.8
17.5°	1011.0	1007.2	1011.0	1010.0	1009.1	1007.2	997.8	994.1	993.1	994.1	989.4
20°	997.8	995.0	997.8	996.9	996.9	993.1	983.8	979.0	979.0	979.0	974.3
22.5°	977.2	974.3	977.2	979.0	979.0	978.1	969.7	963.0	961.2	961.2	955.6
25°	953.7	950.9	953.7	953.7	952.8	953.7	950.9	947.1	944.3	941.5	935.9
27.5°	931.1	929.2	931.1	929.2	931.1	928.3	927.4	926.4	922.7	919.9	912.3
30°	908.6	906.7	908.6	906.7	904.9	902.9	898.2	896.4	900.1	898.2	886.0
32.5°	880.4	878.5	880.4	880.4	878.5	878.5	871.0	868.2	869.1	874.8	863.5
35°	851.2	848.4	851.2	850.3	851.2	848.4	843.8	842.8	839.0	845.6	837.1
37.5°	817.4	814.6	817.4	817.4	817.4	819.3	815.6	812.8	807.1	815.6	808.9
40°	782.7	779.0	782.7	781.8	782.7	784.6	782.7	780.8	775.1	781.8	776.1
42.5°	743.2	742.2	743.2	744.1	744.1	747.9	750.7	747.0	745.1	740.4	744.1
45°	701.0	699.0	701.0	702.8	703.8	705.6	714.0	714.0	711.2	703.8	709.4
47.5°	655.9	651.1	655.9	661.5	661.5	664.3	672.8	679.3	674.6	665.2	668.1
50°	607.9	608.9	607.9	611.7	611.7	622.0	628.6	635.1	639.9	628.6	615.4
52.5°	561.0	560.0	561.0	563.8	567.5	572.2	583.5	590.1	597.6	591.0	570.3
55°	514.0	515.8	514.0	514.9	516.8	519.6	536.5	543.1	557.1	548.7	527.1
57.5°	467.0	464.2	467.0	468.9	469.8	472.6	486.7	498.9	507.3	508.3	482.0
60°	412.5	408.7	412.5	421.0	422.8	424.7	437.9	449.2	456.6	459.4	432.3
62.5°	364.5	358.0	364.5	370.2	374.0	378.6	388.1	405.0	411.5	412.5	374.0
65°	313.8	311.0	313.8	325.1	326.1	331.7	342.0	354.3	368.3	366.4	311.0
67.5°	267.8	267.8	267.8	275.3	280.9	283.7	296.9	302.5	320.4	322.3	259.4
70°	225.5	224.5	225.5	231.2	234.9	241.4	253.7	260.3	274.3	279.1	210.4
72.5°	185.1	184.2	185.1	189.8	193.5	199.2	209.5	217.1	229.3	234.9	163.5
75°	149.4	147.5	149.4	153.2	152.2	159.7	168.2	175.7	187.0	190.7	121.2
77.5°	114.6	114.6	114.6	118.4	118.4	125.9	129.6	139.1	145.6	151.3	89.3
80°	85.5	84.5	85.5	86.5	86.5	90.2	96.8	103.4	109.0	109.0	61.1
82.5°	60.1	58.3	60.1	60.1	60.1	62.0	65.8	67.6	71.5	74.3	38.5
85°	37.5	37.5	37.5	38.5	37.5	39.5	40.4	42.3	42.3	40.4	23.4
87.5°	24.5	23.4	24.5	23.4	23.4	22.5	22.5	22.5	21.6	20.6	13.2
90°	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4	31.8	20.3
92.5°	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5	196.8	140.0
95°	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4	484.3	272.7
97.5°	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8	652.3	299.5
100°	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5	713.5	322.0
102.5°	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9	741.6	344.6
105°	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0	762.3	377.9
107.5°	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2	766.3	427.2
110°	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9	760.4	454.8



TEST NUMBER: P935507

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0	760.6	488.2
115°	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6	767.7	538.3
117.5°	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1	781.9	586.8
120°	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4	793.5	615.1
122.5°	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9	810.2	648.5
125°	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3	832.8	691.3
127.5°	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7	855.3	732.6
130°	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2	871.6	760.2
132.5°	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3	885.0	782.7
135°	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4	899.4	808.8
137.5°	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7	921.2	842.2
140°	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7	934.5	864.6
142.5°	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4	945.7	881.3
145°	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4	960.2	906.7
147.5°	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5	981.4	938.7
150°	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2	992.6	955.3
152.5°	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6	999.8	966.2
155°	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9	1015.7	990.1
157.5°	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2	1031.7	1014.0
160°	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7	1039.0	1025.0
162.5°	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3	1046.7	1036.6
165°	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9	1057.8	1053.3
167.5°	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7	1066.5	1062.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1	1073.8	1073.5
172.5°	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.8
177.5°	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8	1079.1	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8

TEST NUMBER: P935507

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	1007.2	1001.6	1001.6	992.2	988.5	985.7	980.9	966.9	963.0	959.3	964.9
5°	1015.7	1005.4	997.8	980.9	966.9	961.2	943.3	909.5	886.9	870.0	860.7
7.5°	1017.6	1004.4	990.3	964.0	930.2	915.1	860.7	798.7	781.8	766.7	757.3
10°	1015.7	1000.7	980.9	941.5	861.6	835.3	780.8	740.4	730.0	727.2	730.0
12.5°	1009.1	995.0	967.8	902.0	790.2	772.3	740.4	716.9	715.0	719.7	745.1
15°	997.8	984.7	952.8	849.4	750.7	737.6	715.0	706.6	716.9	749.8	825.9
17.5°	986.6	971.5	932.0	797.7	720.7	711.2	695.3	712.2	770.5	814.6	839.9
20°	971.5	953.7	908.6	760.1	699.0	690.6	683.0	759.2	803.3	819.3	833.4
22.5°	953.7	934.8	876.7	733.8	676.5	670.0	674.6	785.5	803.3	814.6	826.9
25°	930.2	914.2	839.0	713.1	658.7	651.1	669.0	782.7	793.0	795.9	820.2
27.5°	908.6	887.9	799.6	694.3	637.1	634.2	673.7	770.5	778.0	780.8	807.1
30°	882.3	851.2	755.4	674.6	614.5	613.5	674.6	755.4	753.6	761.0	787.4
32.5°	855.0	796.8	705.6	650.2	592.9	592.0	668.1	732.9	731.0	741.3	761.0
35°	829.7	754.5	638.0	622.0	565.6	566.6	652.0	706.6	707.5	716.9	729.1
37.5°	803.3	717.9	563.8	591.0	539.3	539.3	630.4	682.1	680.2	683.0	700.0
40°	772.3	660.5	498.0	550.6	514.9	512.1	604.1	655.9	649.2	648.3	671.8
42.5°	739.4	597.6	449.2	497.1	486.7	483.0	572.2	623.9	611.7	614.5	644.6
45°	703.8	580.7	411.5	420.0	457.6	454.8	537.4	587.2	578.8	586.3	617.3
47.5°	668.1	546.9	399.3	348.6	426.6	425.6	498.9	551.5	546.9	554.3	587.2
50°	619.1	509.2	398.4	298.8	391.8	395.5	452.9	516.8	516.8	523.3	558.2
52.5°	556.2	463.2	361.7	270.6	351.4	362.7	412.5	486.7	488.6	495.2	526.1
55°	498.9	415.3	335.4	249.0	303.5	327.9	373.0	455.7	459.4	466.1	494.2
57.5°	446.3	345.8	329.8	223.6	259.4	282.8	338.3	425.6	427.5	433.2	460.4
60°	389.9	249.9	302.5	196.3	220.8	238.6	306.3	389.9	396.5	400.2	423.8
62.5°	326.1	181.4	274.3	177.6	202.0	205.8	280.0	356.1	364.5	367.3	381.4
65°	232.1	152.2	233.0	161.6	182.3	183.3	251.8	321.3	328.9	333.5	343.9
67.5°	156.9	124.0	177.6	146.5	167.3	168.2	224.5	280.9	291.3	295.1	301.6
70°	109.0	82.7	131.5	130.6	150.4	152.2	195.4	244.3	253.7	256.5	260.3
72.5°	79.9	66.7	109.0	117.4	132.4	134.4	165.4	203.0	212.4	215.2	217.1
75°	61.1	70.4	88.4	102.5	112.7	113.7	135.3	165.4	171.9	173.8	174.8
77.5°	48.8	65.8	64.8	82.7	92.1	90.2	106.2	127.8	133.4	133.4	133.4
80°	36.6	51.7	48.8	59.2	67.6	65.8	76.1	91.2	93.0	94.9	94.0
82.5°	27.3	32.9	32.9	37.5	45.1	43.2	50.7	59.2	59.2	59.2	61.1
85°	16.9	18.8	15.0	19.7	25.4	24.5	28.2	31.9	32.9	32.9	31.0
87.5°	10.4	8.5	4.7	7.5	11.3	11.3	13.2	14.1	13.2	13.2	13.2
90°	18.9	13.1	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7
92.5°	127.7	78.4	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4
95°	250.1	159.9	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4
97.5°	279.6	200.0	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7
100°	304.0	231.8	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0
102.5°	327.7	260.3	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3
107.5°	413.9	360.7	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2
110°	442.7	394.7	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7

TEST NUMBER: P935507

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.7	430.9	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0
115°	527.7	485.4	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0
117.5°	577.2	538.9	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3
120°	606.1	570.0	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1
122.5°	639.4	603.0	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8
125°	682.9	649.8	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7
127.5°	724.2	690.7	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0
130°	751.1	715.1	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7
132.5°	773.6	737.6	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6
135°	800.5	767.7	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8
137.5°	834.1	801.5	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9
140°	857.1	827.2	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0
142.5°	874.4	846.7	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9
145°	900.7	876.5	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3
147.5°	932.8	909.2	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4
150°	950.0	928.8	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6
152.5°	962.2	946.0	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5
155°	987.1	975.3	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7
157.5°	1011.1	999.6	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2
160°	1022.7	1013.7	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4
162.5°	1034.9	1028.1	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1
165°	1051.8	1045.6	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1
167.5°	1062.0	1059.1	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7
170°	1072.8	1069.9	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7
172.5°	1074.1	1073.4	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8
175°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8

TEST NUMBER: P935507

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1	993.1
2.5°	958.4	955.6	959.3	948.9	959.3	955.6	958.4	964.9	959.3	963.0	966.9
5°	841.0	836.2	821.2	808.9	821.2	836.2	841.0	860.7	870.0	886.9	909.5
7.5°	751.7	747.9	744.1	736.6	744.1	747.9	751.7	757.3	766.7	781.8	798.7
10°	732.0	732.9	738.5	737.6	738.5	732.9	732.0	730.0	727.2	730.0	740.4
12.5°	782.7	791.1	822.1	820.2	822.1	791.1	782.7	745.1	719.7	715.0	716.9
15°	841.0	843.8	850.3	851.2	850.3	843.8	841.0	825.9	749.8	716.9	706.6
17.5°	846.6	847.5	852.2	852.2	852.2	847.5	846.6	839.9	814.6	770.5	712.2
20°	841.9	843.8	853.1	855.0	853.1	843.8	841.9	833.4	819.3	803.3	759.2
22.5°	839.9	843.8	851.2	850.3	851.2	843.8	839.9	826.9	814.6	803.3	785.5
25°	830.6	830.6	831.5	832.5	831.5	830.6	830.6	820.2	795.9	793.0	782.7
27.5°	810.9	812.8	818.4	817.4	818.4	812.8	810.9	807.1	780.8	778.0	770.5
30°	793.0	791.1	786.4	782.7	786.4	791.1	793.0	787.4	761.0	753.6	755.4
32.5°	763.0	758.2	753.6	750.7	753.6	758.2	763.0	761.0	741.3	731.0	732.9
35°	727.2	728.1	727.2	724.4	727.2	728.1	727.2	729.1	716.9	707.5	706.6
37.5°	701.9	703.8	702.8	699.0	702.8	703.8	701.9	700.0	683.0	680.2	682.1
40°	675.6	676.5	675.6	672.8	675.6	676.5	675.6	671.8	648.3	649.2	655.9
42.5°	650.2	649.2	646.4	644.6	646.4	649.2	650.2	644.6	614.5	611.7	623.9
45°	621.1	622.0	616.3	613.5	616.3	622.0	621.1	617.3	586.3	578.8	587.2
47.5°	592.0	592.0	587.2	584.4	587.2	592.0	592.0	587.2	554.3	546.9	551.5
50°	561.0	560.0	553.4	552.5	553.4	560.0	561.0	558.2	523.3	516.8	516.8
52.5°	525.2	525.2	526.1	528.1	526.1	525.2	525.2	526.1	495.2	488.6	486.7
55°	494.2	495.2	501.7	503.6	501.7	495.2	494.2	494.2	466.1	459.4	455.7
57.5°	462.2	462.2	467.0	467.0	467.0	462.2	462.2	460.4	433.2	427.5	425.6
60°	425.6	427.5	431.2	430.3	431.2	427.5	425.6	423.8	400.2	396.5	389.9
62.5°	387.1	389.0	389.9	388.1	389.9	389.0	387.1	381.4	367.3	364.5	356.1
65°	346.7	348.6	349.5	347.6	349.5	348.6	346.7	343.9	333.5	328.9	321.3
67.5°	305.3	304.4	303.5	307.3	303.5	304.4	305.3	301.6	295.1	291.3	280.9
70°	263.1	263.1	262.2	264.0	262.2	263.1	263.1	260.3	256.5	253.7	244.3
72.5°	218.0	217.1	220.8	218.0	220.8	217.1	218.0	217.1	215.2	212.4	203.0
75°	173.8	175.7	173.8	176.6	173.8	175.7	173.8	174.8	173.8	171.9	165.4
77.5°	132.4	134.4	132.4	132.4	132.4	134.4	132.4	133.4	133.4	133.4	127.8
80°	94.0	93.0	93.0	92.1	93.0	93.0	94.0	94.0	94.9	93.0	91.2
82.5°	60.1	59.2	59.2	61.1	59.2	59.2	60.1	61.1	59.2	59.2	59.2
85°	32.9	33.8	31.9	31.9	31.9	33.8	32.9	31.0	32.9	32.9	31.9
87.5°	12.2	11.3	11.3	11.3	11.3	11.3	12.2	13.2	13.2	13.2	14.1
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4
92.5°	137.9	132.3	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5
95°	467.8	451.2	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4
97.5°	1080.1	1048.5	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8
100°	1516.7	1479.1	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5
102.5°	1889.6	1857.4	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9
105°	2324.8	2307.4	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0
107.5°	2551.1	2555.3	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2
110°	2609.2	2627.2	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.1	2599.9	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0
115°	2446.7	2485.2	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6
117.5°	2273.4	2315.9	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1
120°	2156.5	2198.0	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4
122.5°	2039.8	2080.6	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9
125°	1885.3	1922.9	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3
127.5°	1761.2	1793.0	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7
130°	1682.9	1712.2	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2
132.5°	1616.1	1642.3	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3
135°	1521.9	1544.5	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4
137.5°	1452.2	1470.7	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7
140°	1396.3	1413.7	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7
142.5°	1357.2	1372.1	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4
145°	1298.4	1309.7	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4
147.5°	1249.1	1258.5	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5
150°	1220.8	1228.4	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2
152.5°	1198.3	1204.0	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6
155°	1171.5	1175.3	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9
157.5°	1148.3	1150.9	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2
160°	1136.7	1138.2	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7
162.5°	1125.8	1127.2	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3
165°	1109.1	1110.6	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9
167.5°	1101.8	1102.5	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1
172.5°	1096.0	1095.5	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.6	1086.0	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	993.1	993.1	993.1	993.1	993.1
2.5°	980.9	985.7	988.5	992.2	1001.6
5°	943.3	961.2	966.9	980.9	997.8
7.5°	860.7	915.1	930.2	964.0	990.3
10°	780.8	835.3	861.6	941.5	980.9
12.5°	740.4	772.3	790.2	902.0	967.8
15°	715.0	737.6	750.7	849.4	952.8
17.5°	695.3	711.2	720.7	797.7	932.0
20°	683.0	690.6	699.0	760.1	908.6
22.5°	674.6	670.0	676.5	733.8	876.7
25°	669.0	651.1	658.7	713.1	839.0
27.5°	673.7	634.2	637.1	694.3	799.6
30°	674.6	613.5	614.5	674.6	755.4
32.5°	668.1	592.0	592.9	650.2	705.6
35°	652.0	566.6	565.6	622.0	638.0
37.5°	630.4	539.3	539.3	591.0	563.8
40°	604.1	512.1	514.9	550.6	498.0
42.5°	572.2	483.0	486.7	497.1	449.2
45°	537.4	454.8	457.6	420.0	411.5
47.5°	498.9	425.6	426.6	348.6	399.3
50°	452.9	395.5	391.8	298.8	398.4
52.5°	412.5	362.7	351.4	270.6	361.7
55°	373.0	327.9	303.5	249.0	335.4
57.5°	338.3	282.8	259.4	223.6	329.8
60°	306.3	238.6	220.8	196.3	302.5
62.5°	280.0	205.8	202.0	177.6	274.3
65°	251.8	183.3	182.3	161.6	233.0
67.5°	224.5	168.2	167.3	146.5	177.6
70°	195.4	152.2	150.4	130.6	131.5
72.5°	165.4	134.4	132.4	117.4	109.0
75°	135.3	113.7	112.7	102.5	88.4
77.5°	106.2	90.2	92.1	82.7	64.8
80°	76.1	65.8	67.6	59.2	48.8
82.5°	50.7	43.2	45.1	37.5	32.9
85°	28.2	24.5	25.4	19.7	15.0
87.5°	13.2	11.3	11.3	7.5	4.7
90°	31.8	20.3	18.9	13.1	7.3
92.5°	196.8	140.0	127.7	78.4	29.0
95°	484.3	272.7	250.1	159.9	69.7
97.5°	652.3	299.5	279.6	200.0	120.4
100°	713.5	322.0	304.0	231.8	159.6
102.5°	741.6	344.6	327.7	260.3	193.0
105°	762.3	377.9	363.6	306.6	249.6
107.5°	766.3	427.2	413.9	360.7	307.6
110°	760.4	454.8	442.7	394.7	346.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	760.6	488.2	476.7	430.9	385.2
115°	767.7	538.3	527.7	485.4	443.2
117.5°	781.9	586.8	577.2	538.9	500.5
120°	793.5	615.1	606.1	570.0	533.9
122.5°	810.2	648.5	639.4	603.0	566.6
125°	832.8	691.3	682.9	649.8	616.5
127.5°	855.3	732.6	724.2	690.7	657.2
130°	871.6	760.2	751.1	715.1	678.9
132.5°	885.0	782.7	773.6	737.6	701.4
135°	899.4	808.8	800.5	767.7	734.8
137.5°	921.2	842.2	834.1	801.5	768.9
140°	934.5	864.6	857.1	827.2	797.2
142.5°	945.7	881.3	874.4	846.7	818.9
145°	960.2	906.7	900.7	876.5	852.3
147.5°	981.4	938.7	932.8	909.2	885.7
150°	992.6	955.3	950.0	928.8	907.5
152.5°	999.8	966.2	962.2	946.0	929.9
155°	1015.7	990.1	987.1	975.3	963.3
157.5°	1031.7	1014.0	1011.1	999.6	988.0
160°	1039.0	1025.0	1022.7	1013.7	1004.6
162.5°	1046.7	1036.6	1034.9	1028.1	1021.3
165°	1057.8	1053.3	1051.8	1045.6	1039.4
167.5°	1066.5	1062.7	1062.0	1059.1	1056.2
170°	1073.8	1073.5	1072.8	1069.9	1067.0
172.5°	1074.3	1074.3	1074.1	1073.4	1072.8
175°	1078.7	1080.8	1080.8	1080.8	1080.8
177.5°	1079.1	1080.8	1080.8	1080.8	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8

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