

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: P935598

Luminaire Tested: SQ4-FA-125U-075D-B35-1D-UNV-W2A-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935598
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-B35-1D-UNV-W2A-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

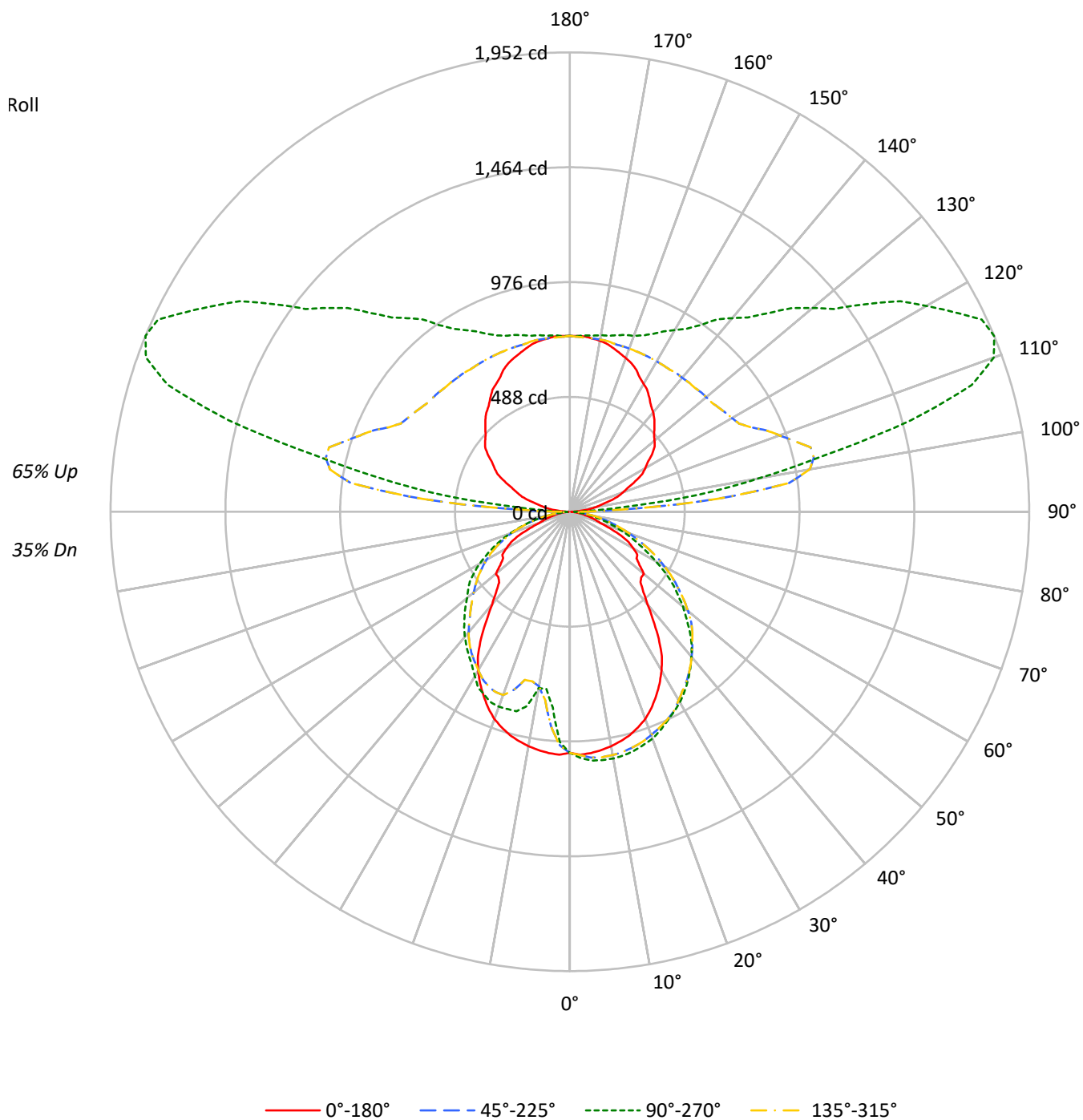
Lumens per Lamp: N/A
Luminaire Lumens: 7504.9 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.6
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



TEST NUMBER: P935598

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35		
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30		
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25		
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21		
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18		
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16		
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14		
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12		
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11		
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10		
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9505	9505	9505	9505
5°	9566	9595	9566	7545
10°	9491	9453	9491	6758
15°	9378	9248	9378	7721
20°	9170	9004	9170	7737
25°	8758	8650	8758	7573
30°	8230	8357	8230	7214
35°	7325	7985	7325	6818
40°	6095	7548	6095	6519
45°	5435	7036	5435	6176
50°	5762	6425	5762	5831
55°	5405	5768	5405	5631
60°	5550	4899	5550	5158
65°	5008	4048	5008	4526
70°	3445	3227	3445	3794
75°	2987	2384	2987	2856
80°	2359	1577	2359	1718
85°	1283	836	1283	709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.2
10°-20°	262.5	3.5
20°-30°	405.8	5.4
30°-40°	484.5	6.5
40°-50°	487.3	6.5
50°-60°	424.0	5.7
60°-70°	300.6	4.0
70°-80°	159.0	2.1
80°-90°	42.5	0.6
90°-100°	364.4	4.9
100°-110°	958.0	12.8
110°-120°	993.4	13.2
120°-130°	796.8	10.6
130°-140°	625.2	8.3
140°-150°	479.9	6.4
150°-160°	345.6	4.6
160°-170°	211.4	2.8
170°-180°	71.4	1.0
0°-30°	760.8	10.1
0°-40°	1245.3	16.6
0°-60°	2156.7	28.7
0°-90°	2658.8	35.4
90°-120°	2315.8	30.9
90°-150°	4217.6	56.2
90°-180°	4846.0	64.6
0°-180°	7504.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1024	1024	1024	1024	1024	
5°	1029	1061	1029	834	1029	98
15°	983	1052	983	878	983	276
25°	865	981	865	859	865	397
35°	658	875	658	747	658	407
45°	424	721	424	633	424	340
55°	346	532	346	520	346	318
65°	240	321	240	359	240	230
75°	91	152	91	182	91	96
85°	16	39	16	33	16	21
90°	5	19	5	19	5	5
95°	48	220	48	220	48	53
105°	173	1500	173	1500	173	183
115°	306	1932	306	1932	306	303
125°	426	1538	426	1538	426	379
135°	508	1194	508	1194	508	393
145°	590	968	590	968	590	369
155°	666	834	666	834	666	306
165°	719	777	719	777	719	203
175°	748	752	748	752	748	71
180°	748	748	748	748	748	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1033.1	1033.1	1039.0	1040.9	1040.9	1038.0	1035.1	1038.0	1046.7	1049.6	1048.7
5°	1029.2	1037.0	1047.7	1049.6	1051.6	1050.6	1048.7	1050.6	1060.3	1062.2	1063.2
7.5°	1021.4	1036.1	1049.6	1052.5	1055.4	1052.5	1051.6	1053.5	1063.2	1065.1	1065.1
10°	1011.7	1032.1	1047.7	1049.6	1052.5	1049.6	1049.6	1053.5	1063.2	1065.1	1066.1
12.5°	998.2	1026.3	1040.9	1042.8	1046.7	1045.7	1044.8	1048.7	1058.3	1060.3	1060.3
15°	982.7	1015.6	1029.2	1031.1	1038.0	1036.1	1036.1	1039.9	1050.6	1053.5	1052.5
17.5°	961.3	1002.0	1017.5	1020.5	1025.3	1024.3	1025.3	1029.2	1039.0	1040.9	1041.9
20°	937.1	983.6	1002.0	1004.9	1009.8	1009.8	1009.8	1014.6	1024.3	1028.2	1028.2
22.5°	904.2	964.3	983.6	985.6	991.4	991.4	993.3	1000.1	1008.8	1009.8	1009.8
25°	865.4	942.9	959.4	965.2	971.0	973.9	976.8	980.7	983.6	982.7	983.6
27.5°	824.7	915.8	937.1	941.0	948.7	951.7	955.5	956.5	957.5	960.4	958.4
30°	779.2	878.0	910.0	913.9	926.5	928.4	924.5	926.5	931.3	933.2	935.2
32.5°	727.8	821.8	881.9	890.6	902.2	896.4	895.5	898.4	906.1	906.1	908.0
35°	658.0	778.2	855.7	863.5	872.2	865.4	869.3	870.3	875.1	878.0	877.0
37.5°	581.5	740.4	828.6	834.4	841.2	832.5	838.3	841.2	845.1	843.1	843.1
40°	513.7	681.3	796.6	800.5	806.3	799.5	805.3	807.3	809.2	807.3	806.3
42.5°	463.3	616.4	762.7	767.5	763.7	768.5	770.5	774.3	771.4	767.5	767.5
45°	424.5	598.9	725.9	731.7	725.9	733.6	736.5	736.5	727.8	725.9	724.9
47.5°	411.9	564.1	689.1	689.1	686.1	695.8	700.7	693.9	685.2	682.3	682.3
50°	411.0	525.3	638.7	634.8	648.4	660.0	655.1	648.4	641.6	630.9	630.9
52.5°	373.2	477.8	573.7	588.3	609.6	616.4	608.6	601.8	590.2	585.4	581.5
55°	346.0	428.4	514.6	543.7	566.0	574.7	560.2	553.4	536.0	533.0	531.1
57.5°	340.1	356.7	460.4	497.2	524.3	523.4	514.6	502.0	487.5	484.6	483.6
60°	312.0	257.8	402.2	445.8	473.9	471.0	463.3	451.7	438.1	436.1	434.2
62.5°	282.9	187.0	336.2	385.8	425.5	424.5	417.7	400.3	390.6	385.8	381.9
65°	240.3	157.0	239.3	320.7	378.0	379.9	365.4	352.8	342.1	336.2	335.3
67.5°	183.1	127.9	161.8	267.4	332.4	330.4	312.0	306.2	292.6	289.7	283.9
70°	135.7	85.3	112.4	217.1	287.8	282.9	268.4	261.6	249.0	242.2	238.4
72.5°	112.4	68.8	82.4	168.6	242.2	236.4	223.8	216.1	205.4	199.6	195.7
75°	91.1	72.7	63.0	125.0	196.7	192.8	181.2	173.5	164.7	157.0	157.9
77.5°	66.9	67.8	50.4	92.1	156.0	150.2	143.4	133.7	129.8	122.1	122.1
80°	50.4	53.3	37.8	63.0	112.4	112.4	106.6	99.8	93.0	89.1	89.1
82.5°	33.9	33.9	28.1	39.7	76.6	73.6	69.8	67.8	64.0	62.0	62.0
85°	15.5	19.4	17.4	24.2	41.7	43.6	43.6	41.7	40.7	38.8	39.7
87.5°	4.8	8.7	10.7	13.6	21.3	22.3	23.3	23.3	23.3	24.2	24.2
90°	5.0	9.0	13.1	14.1	22.1	32.8	38.1	33.8	25.4	19.1	19.1
92.5°	20.1	54.2	88.3	96.8	136.1	188.6	214.7	188.2	135.2	95.3	91.6
95°	48.2	110.6	173.1	188.7	335.0	530.0	627.6	560.1	425.0	323.6	312.1
97.5°	83.2	138.3	193.4	207.2	451.2	776.5	939.2	896.4	811.1	747.0	725.2
100°	110.4	160.4	210.3	222.8	493.5	854.5	1035.0	1038.1	1044.4	1049.0	1023.0
102.5°	133.4	180.0	226.6	238.3	512.9	879.1	1062.1	1116.6	1225.4	1307.0	1284.7
105°	172.6	212.1	251.6	261.4	527.3	881.9	1059.1	1181.1	1425.0	1608.0	1595.9
107.5°	212.7	249.5	286.3	295.5	530.0	842.6	998.9	1169.1	1509.3	1764.5	1767.4
110°	239.8	273.1	306.2	314.5	526.0	807.9	948.7	1139.0	1519.4	1804.7	1817.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	266.4	298.1	329.7	337.6	526.1	777.4	903.1	1097.8	1487.1	1779.1	1798.3
115°	306.5	335.8	365.0	372.3	531.0	742.5	848.4	1035.9	1411.0	1692.3	1718.8
117.5°	346.2	372.8	399.3	405.9	540.9	720.8	810.8	979.9	1318.4	1572.3	1601.8
120°	369.3	394.3	419.3	425.5	548.9	713.5	795.7	950.4	1259.6	1491.6	1520.3
122.5°	391.9	417.1	442.3	448.6	560.5	709.6	784.2	923.5	1201.9	1410.8	1439.1
125°	426.5	449.4	472.4	478.1	576.0	706.4	771.6	889.9	1126.5	1303.9	1330.0
127.5°	454.6	477.7	500.9	506.7	591.5	704.6	761.1	862.6	1065.8	1218.1	1240.1
130°	469.6	494.6	519.6	525.8	602.9	705.7	757.1	847.5	1028.3	1164.0	1184.2
132.5°	485.2	510.2	535.2	541.4	612.1	706.4	753.6	834.5	996.4	1117.8	1136.0
135°	508.2	531.0	553.7	559.4	622.1	705.7	747.6	815.4	951.0	1052.6	1068.3
137.5°	531.8	554.3	576.8	582.5	637.1	710.1	746.5	803.8	918.4	1004.4	1017.2
140°	551.4	572.1	592.8	598.1	646.4	710.9	743.0	792.5	891.6	965.8	977.8
142.5°	566.4	585.6	604.8	609.6	654.1	713.4	743.0	786.5	873.5	938.7	948.9
145°	589.5	606.2	623.0	627.1	664.1	713.4	738.0	773.6	844.7	898.1	905.9
147.5°	612.6	628.9	645.2	649.2	678.8	718.2	738.0	766.0	822.0	864.0	870.5
150°	627.6	642.4	657.1	660.8	686.5	720.8	738.0	761.6	808.9	844.4	849.6
152.5°	643.2	654.4	665.5	668.3	691.6	722.5	738.0	758.1	798.6	828.8	832.8
155°	666.3	674.5	682.8	684.8	702.5	726.2	738.0	754.1	786.1	810.3	812.9
157.5°	683.3	691.4	699.3	701.4	713.6	729.9	738.0	750.5	775.5	794.2	796.0
160°	694.9	701.1	707.4	708.9	718.6	731.5	738.0	748.6	770.1	786.1	787.2
162.5°	706.4	711.1	715.8	717.0	723.9	733.3	738.0	747.0	765.1	778.7	779.7
165°	718.9	723.2	727.4	728.5	731.7	735.9	738.0	744.5	757.4	767.1	768.1
167.5°	730.5	732.5	734.5	735.0	737.7	741.3	743.0	747.3	755.7	762.1	762.6
170°	738.0	740.0	742.1	742.5	742.7	742.9	743.0	747.3	755.7	762.1	762.1
172.5°	742.1	742.4	742.9	743.0	743.0	743.0	743.0	746.3	753.0	758.0	757.7
175°	747.6	747.6	747.6	747.6	746.0	744.0	743.0	745.2	749.3	752.5	752.5
177.5°	747.6	747.6	747.6	747.6	746.4	744.8	744.0	745.6	749.0	751.6	751.1
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1050.6	1047.7	1050.6	1048.7	1049.6	1046.7	1038.0	1035.1	1038.0	1040.9	1040.9
5°	1063.2	1061.2	1063.2	1063.2	1062.2	1060.3	1050.6	1048.7	1050.6	1051.6	1049.6
7.5°	1067.1	1064.2	1067.1	1065.1	1065.1	1063.2	1053.5	1051.6	1052.5	1055.4	1052.5
10°	1067.1	1064.2	1067.1	1066.1	1065.1	1063.2	1053.5	1049.6	1049.6	1052.5	1049.6
12.5°	1062.2	1060.3	1062.2	1060.3	1060.3	1058.3	1048.7	1044.8	1045.7	1046.7	1042.8
15°	1054.5	1051.6	1054.5	1052.5	1053.5	1050.6	1039.9	1036.1	1036.1	1038.0	1031.1
17.5°	1042.8	1039.0	1042.8	1041.9	1040.9	1039.0	1029.2	1025.3	1024.3	1025.3	1020.5
20°	1029.2	1026.3	1029.2	1028.2	1028.2	1024.3	1014.6	1009.8	1009.8	1009.8	1004.9
22.5°	1007.9	1004.9	1007.9	1009.8	1009.8	1008.8	1000.1	993.3	991.4	991.4	985.6
25°	983.6	980.7	983.6	983.6	982.7	983.6	980.7	976.8	973.9	971.0	965.2
27.5°	960.4	958.4	960.4	958.4	960.4	957.5	956.5	955.5	951.7	948.7	941.0
30°	937.1	935.2	937.1	935.2	933.2	931.3	926.5	924.5	928.4	926.5	913.9
32.5°	908.0	906.1	908.0	908.0	906.1	906.1	898.4	895.5	896.4	902.2	890.6
35°	878.0	875.1	878.0	877.0	878.0	875.1	870.3	869.3	865.4	872.2	863.5
37.5°	843.1	840.2	843.1	843.1	843.1	845.1	841.2	838.3	832.5	841.2	834.4
40°	807.3	803.4	807.3	806.3	807.3	809.2	807.3	805.3	799.5	806.3	800.5
42.5°	766.6	765.6	766.6	767.5	767.5	771.4	774.3	770.5	768.5	763.7	767.5
45°	723.0	721.0	723.0	724.9	725.9	727.8	736.5	736.5	733.6	725.9	731.7
47.5°	676.5	671.6	676.5	682.3	682.3	685.2	693.9	700.7	695.8	686.1	689.1
50°	627.0	628.0	627.0	630.9	630.9	641.6	648.4	655.1	660.0	648.4	634.8
52.5°	578.6	577.6	578.6	581.5	585.4	590.2	601.8	608.6	616.4	609.6	588.3
55°	530.1	532.1	530.1	531.1	533.0	536.0	553.4	560.2	574.7	566.0	543.7
57.5°	481.7	478.8	481.7	483.6	484.6	487.5	502.0	514.6	523.4	524.3	497.2
60°	425.5	421.6	425.5	434.2	436.1	438.1	451.7	463.3	471.0	473.9	445.8
62.5°	376.1	369.3	376.1	381.9	385.8	390.6	400.3	417.7	424.5	425.5	385.8
65°	323.6	320.7	323.6	335.3	336.2	342.1	352.8	365.4	379.9	378.0	320.7
67.5°	276.2	276.2	276.2	283.9	289.7	292.6	306.2	312.0	330.4	332.4	267.4
70°	232.6	231.6	232.6	238.4	242.2	249.0	261.6	268.4	282.9	287.8	217.1
72.5°	190.9	189.9	190.9	195.7	199.6	205.4	216.1	223.8	236.4	242.2	168.6
75°	154.1	152.1	154.1	157.9	157.0	164.7	173.5	181.2	192.8	196.7	125.0
77.5°	118.2	118.2	118.2	122.1	122.1	129.8	133.7	143.4	150.2	156.0	92.1
80°	88.2	87.2	88.2	89.1	89.1	93.0	99.8	106.6	112.4	112.4	63.0
82.5°	62.0	60.1	62.0	62.0	62.0	64.0	67.8	69.8	73.6	76.6	39.7
85°	38.8	38.8	38.8	39.7	38.8	40.7	41.7	43.6	43.6	41.7	24.2
87.5°	25.2	24.2	25.2	24.2	24.2	23.3	23.3	23.3	22.3	21.3	13.6
90°	19.1	19.1	19.1	19.1	19.1	25.4	33.8	38.1	32.8	22.1	14.1
92.5°	76.4	61.2	76.4	91.6	95.3	135.2	188.2	214.7	188.6	136.1	96.8
95°	266.2	220.3	266.2	312.1	323.6	425.0	560.1	627.6	530.0	335.0	188.7
97.5°	637.8	550.4	637.8	725.2	747.0	811.1	896.4	939.2	776.5	451.2	207.2
100°	918.9	814.7	918.9	1023.0	1049.0	1044.4	1038.1	1035.0	854.5	493.5	222.8
102.5°	1195.5	1106.3	1195.5	1284.7	1307.0	1225.4	1116.6	1062.1	879.1	512.9	238.3
105°	1548.1	1500.1	1548.1	1595.9	1608.0	1425.0	1181.1	1059.1	881.9	527.3	261.4
107.5°	1779.0	1790.6	1779.0	1767.4	1764.5	1509.3	1169.1	998.9	842.6	530.0	295.5
110°	1867.1	1917.0	1867.1	1817.2	1804.7	1519.4	1139.0	948.7	807.9	526.0	314.5

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CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1874.9	1951.7	1874.9	1798.3	1779.1	1487.1	1097.8	903.1	777.4	526.1	337.6
115°	1825.2	1931.6	1825.2	1718.8	1692.3	1411.0	1035.9	848.4	742.5	531.0	372.3
117.5°	1719.8	1837.7	1719.8	1601.8	1572.3	1318.4	979.9	810.8	720.8	540.9	405.9
120°	1634.8	1749.4	1634.8	1520.3	1491.6	1259.6	950.4	795.7	713.5	548.9	425.5
122.5°	1552.0	1665.1	1552.0	1439.1	1410.8	1201.9	923.5	784.2	709.6	560.5	448.6
125°	1434.0	1538.2	1434.0	1330.0	1303.9	1126.5	889.9	771.6	706.4	576.0	478.1
127.5°	1327.9	1415.8	1327.9	1240.1	1218.1	1065.8	862.6	761.1	704.6	591.5	506.7
130°	1265.4	1346.6	1265.4	1184.2	1164.0	1028.3	847.5	757.1	705.7	602.9	525.8
132.5°	1208.6	1281.3	1208.6	1136.0	1117.8	996.4	834.5	753.6	706.4	612.1	541.4
135°	1130.9	1193.5	1130.9	1068.3	1052.6	951.0	815.4	747.6	705.7	622.1	559.4
137.5°	1068.5	1119.8	1068.5	1017.2	1004.4	918.4	803.8	746.5	710.1	637.1	582.5
140°	1025.7	1073.7	1025.7	977.8	965.8	891.6	792.5	743.0	710.9	646.4	598.1
142.5°	990.2	1031.5	990.2	948.9	938.7	873.5	786.5	743.0	713.4	654.1	609.6
145°	937.1	968.3	937.1	905.9	898.1	844.7	773.6	738.0	713.4	664.1	627.1
147.5°	896.2	922.1	896.2	870.5	864.0	822.0	766.0	738.0	718.2	678.8	649.2
150°	870.6	891.6	870.6	849.6	844.4	808.9	761.6	738.0	720.8	686.5	660.8
152.5°	848.6	864.4	848.6	832.8	828.8	798.6	758.1	738.0	722.5	691.6	668.3
155°	823.4	833.8	823.4	812.9	810.3	786.1	754.1	738.0	726.2	702.5	684.8
157.5°	803.4	810.8	803.4	796.0	794.2	775.5	750.5	738.0	729.9	713.6	701.4
160°	791.5	795.7	791.5	787.2	786.1	770.1	748.6	738.0	731.5	718.6	708.9
162.5°	783.7	787.7	783.7	779.7	778.7	765.1	747.0	738.0	733.3	723.9	717.0
165°	772.4	776.7	772.4	768.1	767.1	757.4	744.5	738.0	735.9	731.7	728.5
167.5°	764.3	766.1	764.3	762.6	762.1	755.7	747.3	743.0	741.3	737.7	735.0
170°	762.1	762.1	762.1	762.1	762.1	755.7	747.3	743.0	742.9	742.7	742.5
172.5°	756.1	754.6	756.1	757.7	758.0	753.0	746.3	743.0	743.0	743.0	743.0
175°	752.5	752.5	752.5	752.5	752.5	749.3	745.2	743.0	744.0	746.0	747.6
177.5°	749.3	747.6	749.3	751.1	751.6	749.0	745.6	744.0	744.8	746.4	747.6
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1039.0	1033.1	1033.1	1023.4	1019.5	1016.6	1011.7	997.2	993.3	989.4	995.3
5°	1047.7	1037.0	1029.2	1011.7	997.2	991.4	973.0	938.1	914.8	897.4	887.7
7.5°	1049.6	1036.1	1021.4	994.3	959.4	943.9	887.7	823.7	806.3	790.8	781.1
10°	1047.7	1032.1	1011.7	971.0	888.7	861.5	805.3	763.7	753.0	750.1	753.0
12.5°	1040.9	1026.3	998.2	930.3	815.0	796.6	763.7	739.4	737.5	742.4	768.5
15°	1029.2	1015.6	982.7	876.1	774.3	760.8	737.5	728.8	739.4	773.4	851.8
17.5°	1017.5	1002.0	961.3	822.8	743.3	733.6	717.2	734.6	794.7	840.2	866.4
20°	1002.0	983.6	937.1	784.0	721.0	712.3	704.6	783.0	828.6	845.1	859.6
22.5°	983.6	964.3	904.2	756.9	697.8	691.0	695.8	810.2	828.6	840.2	852.8
25°	959.4	942.9	865.4	735.6	679.4	671.6	690.0	807.3	817.9	820.8	846.0
27.5°	937.1	915.8	824.7	716.2	657.1	654.2	694.9	794.7	802.4	805.3	832.5
30°	910.0	878.0	779.2	695.8	633.8	632.9	695.8	779.2	777.2	785.0	812.1
32.5°	881.9	821.8	727.8	670.6	611.5	610.6	689.1	755.9	754.0	764.6	785.0
35°	855.7	778.2	658.0	641.6	583.4	584.4	672.6	728.8	729.8	739.4	752.0
37.5°	828.6	740.4	581.5	609.6	556.3	556.3	650.3	703.6	701.7	704.6	722.0
40°	796.6	681.3	513.7	567.9	531.1	528.2	623.2	676.5	669.7	668.7	692.9
42.5°	762.7	616.4	463.3	512.7	502.0	498.2	590.2	643.5	630.9	633.8	664.8
45°	725.9	598.9	424.5	433.2	472.0	469.1	554.4	605.7	597.0	604.8	636.7
47.5°	689.1	564.1	411.9	359.6	440.0	439.1	514.6	568.9	564.1	571.8	605.7
50°	638.7	525.3	411.0	308.1	404.2	408.0	467.2	533.0	533.0	539.8	575.7
52.5°	573.7	477.8	373.2	279.1	362.5	374.1	425.5	502.0	504.0	510.8	542.7
55°	514.6	428.4	346.0	256.8	313.0	338.2	384.8	470.1	473.9	480.7	509.8
57.5°	460.4	356.7	340.1	230.6	267.4	291.7	348.9	439.1	441.0	446.8	474.9
60°	402.2	257.8	312.0	202.5	227.7	246.1	315.9	402.2	409.0	412.9	437.1
62.5°	336.2	187.0	282.9	183.1	208.3	212.2	288.8	367.3	376.1	379.0	393.5
65°	239.3	157.0	240.3	166.7	188.0	189.0	259.7	331.4	339.2	344.0	354.8
67.5°	161.8	127.9	183.1	151.2	172.5	173.5	231.6	289.7	300.4	304.3	311.0
70°	112.4	85.3	135.7	134.7	155.0	157.0	201.6	251.9	261.6	264.5	268.4
72.5°	82.4	68.8	112.4	121.1	136.6	138.6	170.5	209.3	219.0	221.9	223.8
75°	63.0	72.7	91.1	105.6	116.3	117.2	139.5	170.5	177.3	179.3	180.2
77.5°	50.4	67.8	66.9	85.3	95.0	93.0	109.5	131.8	137.6	137.6	137.6
80°	37.8	53.3	50.4	61.0	69.8	67.8	78.5	94.0	95.9	97.9	96.9
82.5°	28.1	33.9	33.9	38.8	46.5	44.6	52.3	61.0	61.0	61.0	63.0
85°	17.4	19.4	15.5	20.3	26.2	25.2	29.1	32.9	33.9	33.9	32.0
87.5°	10.7	8.7	4.8	7.8	11.6	11.6	13.6	14.5	13.6	13.6	13.6
90°	13.1	9.0	5.0	9.0	13.1	14.1	22.1	32.8	38.1	33.8	25.4
92.5°	88.3	54.2	20.1	54.2	88.3	96.8	136.1	188.6	214.7	188.2	135.2
95°	173.1	110.6	48.2	110.6	173.1	188.7	335.0	530.0	627.6	560.1	425.0
97.5°	193.4	138.3	83.2	138.3	193.4	207.2	451.2	776.5	939.2	896.4	811.1
100°	210.3	160.4	110.4	160.4	210.3	222.8	493.5	854.5	1035.0	1038.1	1044.4
102.5°	226.6	180.0	133.4	180.0	226.6	238.3	512.9	879.1	1062.1	1116.6	1225.4
105°	251.6	212.1	172.6	212.1	251.6	261.4	527.3	881.9	1059.1	1181.1	1425.0
107.5°	286.3	249.5	212.7	249.5	286.3	295.5	530.0	842.6	998.9	1169.1	1509.3
110°	306.2	273.1	239.8	273.1	306.2	314.5	526.0	807.9	948.7	1139.0	1519.4

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	329.7	298.1	266.4	298.1	329.7	337.6	526.1	777.4	903.1	1097.8	1487.1
115°	365.0	335.8	306.5	335.8	365.0	372.3	531.0	742.5	848.4	1035.9	1411.0
117.5°	399.3	372.8	346.2	372.8	399.3	405.9	540.9	720.8	810.8	979.9	1318.4
120°	419.3	394.3	369.3	394.3	419.3	425.5	548.9	713.5	795.7	950.4	1259.6
122.5°	442.3	417.1	391.9	417.1	442.3	448.6	560.5	709.6	784.2	923.5	1201.9
125°	472.4	449.4	426.5	449.4	472.4	478.1	576.0	706.4	771.6	889.9	1126.5
127.5°	500.9	477.7	454.6	477.7	500.9	506.7	591.5	704.6	761.1	862.6	1065.8
130°	519.6	494.6	469.6	494.6	519.6	525.8	602.9	705.7	757.1	847.5	1028.3
132.5°	535.2	510.2	485.2	510.2	535.2	541.4	612.1	706.4	753.6	834.5	996.4
135°	553.7	531.0	508.2	531.0	553.7	559.4	622.1	705.7	747.6	815.4	951.0
137.5°	576.8	554.3	531.8	554.3	576.8	582.5	637.1	710.1	746.5	803.8	918.4
140°	592.8	572.1	551.4	572.1	592.8	598.1	646.4	710.9	743.0	792.5	891.6
142.5°	604.8	585.6	566.4	585.6	604.8	609.6	654.1	713.4	743.0	786.5	873.5
145°	623.0	606.2	589.5	606.2	623.0	627.1	664.1	713.4	738.0	773.6	844.7
147.5°	645.2	628.9	612.6	628.9	645.2	649.2	678.8	718.2	738.0	766.0	822.0
150°	657.1	642.4	627.6	642.4	657.1	660.8	686.5	720.8	738.0	761.6	808.9
152.5°	665.5	654.4	643.2	654.4	665.5	668.3	691.6	722.5	738.0	758.1	798.6
155°	682.8	674.5	666.3	674.5	682.8	684.8	702.5	726.2	738.0	754.1	786.1
157.5°	699.3	691.4	683.3	691.4	699.3	701.4	713.6	729.9	738.0	750.5	775.5
160°	707.4	701.1	694.9	701.1	707.4	708.9	718.6	731.5	738.0	748.6	770.1
162.5°	715.8	711.1	706.4	711.1	715.8	717.0	723.9	733.3	738.0	747.0	765.1
165°	727.4	723.2	718.9	723.2	727.4	728.5	731.7	735.9	738.0	744.5	757.4
167.5°	734.5	732.5	730.5	732.5	734.5	735.0	737.7	741.3	743.0	747.3	755.7
170°	742.1	740.0	738.0	740.0	742.1	742.5	742.7	742.9	743.0	747.3	755.7
172.5°	742.9	742.4	742.1	742.4	742.9	743.0	743.0	743.0	743.0	746.3	753.0
175°	747.6	747.6	747.6	747.6	747.6	747.6	746.0	744.0	743.0	745.2	749.3
177.5°	747.6	747.6	747.6	747.6	747.6	747.6	746.4	744.8	744.0	745.6	749.0
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	988.5	985.6	989.4	978.8	989.4	985.6	988.5	995.3	989.4	993.3	997.2
5°	867.4	862.5	847.0	834.4	847.0	862.5	867.4	887.7	897.4	914.8	938.1
7.5°	775.3	771.4	767.5	759.8	767.5	771.4	775.3	781.1	790.8	806.3	823.7
10°	754.9	755.9	761.7	760.8	761.7	755.9	754.9	753.0	750.1	753.0	763.7
12.5°	807.3	816.0	848.0	846.0	848.0	816.0	807.3	768.5	742.4	737.5	739.4
15°	867.4	870.3	877.0	878.0	877.0	870.3	867.4	851.8	773.4	739.4	728.8
17.5°	873.2	874.1	879.0	879.0	879.0	874.1	873.2	866.4	840.2	794.7	734.6
20°	868.3	870.3	879.9	881.9	879.9	870.3	868.3	859.6	845.1	828.6	783.0
22.5°	866.4	870.3	878.0	877.0	878.0	870.3	866.4	852.8	840.2	828.6	810.2
25°	856.7	856.7	857.7	858.6	857.7	856.7	856.7	846.0	820.8	817.9	807.3
27.5°	836.3	838.3	844.1	843.1	844.1	838.3	836.3	832.5	805.3	802.4	794.7
30°	817.9	816.0	811.1	807.3	811.1	816.0	817.9	812.1	785.0	777.2	779.2
32.5°	786.9	782.1	777.2	774.3	777.2	782.1	786.9	785.0	764.6	754.0	755.9
35°	750.1	751.1	750.1	747.2	750.1	751.1	750.1	752.0	739.4	729.8	728.8
37.5°	723.9	725.9	724.9	721.0	724.9	725.9	723.9	722.0	704.6	701.7	703.6
40°	696.8	697.8	696.8	693.9	696.8	697.8	696.8	692.9	668.7	669.7	676.5
42.5°	670.6	669.7	666.8	664.8	666.8	669.7	670.6	664.8	633.8	630.9	643.5
45°	640.6	641.6	635.8	632.9	635.8	641.6	640.6	636.7	604.8	597.0	605.7
47.5°	610.6	610.6	605.7	602.8	605.7	610.6	610.6	605.7	571.8	564.1	568.9
50°	578.6	577.6	570.8	569.9	570.8	577.6	578.6	575.7	539.8	533.0	533.0
52.5°	541.8	541.8	542.7	544.7	542.7	541.8	541.8	542.7	510.8	504.0	502.0
55°	509.8	510.8	517.5	519.5	517.5	510.8	509.8	509.8	480.7	473.9	470.1
57.5°	476.8	476.8	481.7	481.7	481.7	476.8	476.8	474.9	446.8	441.0	439.1
60°	439.1	441.0	444.9	443.9	444.9	441.0	439.1	437.1	412.9	409.0	402.2
62.5°	399.3	401.3	402.2	400.3	402.2	401.3	399.3	393.5	379.0	376.1	367.3
65°	357.7	359.6	360.6	358.6	360.6	359.6	357.7	354.8	344.0	339.2	331.4
67.5°	314.9	314.0	313.0	316.9	313.0	314.0	314.9	311.0	304.3	300.4	289.7
70°	271.3	271.3	270.4	272.3	270.4	271.3	271.3	268.4	264.5	261.6	251.9
72.5°	224.8	223.8	227.7	224.8	227.7	223.8	224.8	223.8	221.9	219.0	209.3
75°	179.3	181.2	179.3	182.2	179.3	181.2	179.3	180.2	179.3	177.3	170.5
77.5°	136.6	138.6	136.6	136.6	136.6	138.6	136.6	137.6	137.6	137.6	131.8
80°	96.9	95.9	95.9	95.0	95.9	95.9	96.9	96.9	97.9	95.9	94.0
82.5°	62.0	61.0	61.0	63.0	61.0	61.0	62.0	63.0	61.0	61.0	61.0
85°	33.9	34.9	32.9	32.9	32.9	34.9	33.9	32.0	33.9	33.9	32.9
87.5°	12.6	11.6	11.6	11.6	11.6	11.6	12.6	13.6	13.6	13.6	14.5
90°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	25.4	33.8	38.1	32.8
92.5°	95.3	91.6	76.4	61.2	76.4	91.6	95.3	135.2	188.2	214.7	188.6
95°	323.6	312.1	266.2	220.3	266.2	312.1	323.6	425.0	560.1	627.6	530.0
97.5°	747.0	725.2	637.8	550.4	637.8	725.2	747.0	811.1	896.4	939.2	776.5
100°	1049.0	1023.0	918.9	814.7	918.9	1023.0	1049.0	1044.4	1038.1	1035.0	854.5
102.5°	1307.0	1284.7	1195.5	1106.3	1195.5	1284.7	1307.0	1225.4	1116.6	1062.1	879.1
105°	1608.0	1595.9	1548.1	1500.1	1548.1	1595.9	1608.0	1425.0	1181.1	1059.1	881.9
107.5°	1764.5	1767.4	1779.0	1790.6	1779.0	1767.4	1764.5	1509.3	1169.1	998.9	842.6
110°	1804.7	1817.2	1867.1	1917.0	1867.1	1817.2	1804.7	1519.4	1139.0	948.7	807.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1779.1	1798.3	1874.9	1951.7	1874.9	1798.3	1779.1	1487.1	1097.8	903.1	777.4
115°	1692.3	1718.8	1825.2	1931.6	1825.2	1718.8	1692.3	1411.0	1035.9	848.4	742.5
117.5°	1572.3	1601.8	1719.8	1837.7	1719.8	1601.8	1572.3	1318.4	979.9	810.8	720.8
120°	1491.6	1520.3	1634.8	1749.4	1634.8	1520.3	1491.6	1259.6	950.4	795.7	713.5
122.5°	1410.8	1439.1	1552.0	1665.1	1552.0	1439.1	1410.8	1201.9	923.5	784.2	709.6
125°	1303.9	1330.0	1434.0	1538.2	1434.0	1330.0	1303.9	1126.5	889.9	771.6	706.4
127.5°	1218.1	1240.1	1327.9	1415.8	1327.9	1240.1	1218.1	1065.8	862.6	761.1	704.6
130°	1164.0	1184.2	1265.4	1346.6	1265.4	1184.2	1164.0	1028.3	847.5	757.1	705.7
132.5°	1117.8	1136.0	1208.6	1281.3	1208.6	1136.0	1117.8	996.4	834.5	753.6	706.4
135°	1052.6	1068.3	1130.9	1193.5	1130.9	1068.3	1052.6	951.0	815.4	747.6	705.7
137.5°	1004.4	1017.2	1068.5	1119.8	1068.5	1017.2	1004.4	918.4	803.8	746.5	710.1
140°	965.8	977.8	1025.7	1073.7	1025.7	977.8	965.8	891.6	792.5	743.0	710.9
142.5°	938.7	948.9	990.2	1031.5	990.2	948.9	938.7	873.5	786.5	743.0	713.4
145°	898.1	905.9	937.1	968.3	937.1	905.9	898.1	844.7	773.6	738.0	713.4
147.5°	864.0	870.5	896.2	922.1	896.2	870.5	864.0	822.0	766.0	738.0	718.2
150°	844.4	849.6	870.6	891.6	870.6	849.6	844.4	808.9	761.6	738.0	720.8
152.5°	828.8	832.8	848.6	864.4	848.6	832.8	828.8	798.6	758.1	738.0	722.5
155°	810.3	812.9	823.4	833.8	823.4	812.9	810.3	786.1	754.1	738.0	726.2
157.5°	794.2	796.0	803.4	810.8	803.4	796.0	794.2	775.5	750.5	738.0	729.9
160°	786.1	787.2	791.5	795.7	791.5	787.2	786.1	770.1	748.6	738.0	731.5
162.5°	778.7	779.7	783.7	787.7	783.7	779.7	778.7	765.1	747.0	738.0	733.3
165°	767.1	768.1	772.4	776.7	772.4	768.1	767.1	757.4	744.5	738.0	735.9
167.5°	762.1	762.6	764.3	766.1	764.3	762.6	762.1	755.7	747.3	743.0	741.3
170°	762.1	762.1	762.1	762.1	762.1	762.1	762.1	755.7	747.3	743.0	742.9
172.5°	758.0	757.7	756.1	754.6	756.1	757.7	758.0	753.0	746.3	743.0	743.0
175°	752.5	752.5	752.5	752.5	752.5	752.5	752.5	749.3	745.2	743.0	744.0
177.5°	751.6	751.1	749.3	747.6	749.3	751.1	751.6	749.0	745.6	744.0	744.8
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1011.7	1016.6	1019.5	1023.4	1033.1
5°	973.0	991.4	997.2	1011.7	1029.2
7.5°	887.7	943.9	959.4	994.3	1021.4
10°	805.3	861.5	888.7	971.0	1011.7
12.5°	763.7	796.6	815.0	930.3	998.2
15°	737.5	760.8	774.3	876.1	982.7
17.5°	717.2	733.6	743.3	822.8	961.3
20°	704.6	712.3	721.0	784.0	937.1
22.5°	695.8	691.0	697.8	756.9	904.2
25°	690.0	671.6	679.4	735.6	865.4
27.5°	694.9	654.2	657.1	716.2	824.7
30°	695.8	632.9	633.8	695.8	779.2
32.5°	689.1	610.6	611.5	670.6	727.8
35°	672.6	584.4	583.4	641.6	658.0
37.5°	650.3	556.3	556.3	609.6	581.5
40°	623.2	528.2	531.1	567.9	513.7
42.5°	590.2	498.2	502.0	512.7	463.3
45°	554.4	469.1	472.0	433.2	424.5
47.5°	514.6	439.1	440.0	359.6	411.9
50°	467.2	408.0	404.2	308.1	411.0
52.5°	425.5	374.1	362.5	279.1	373.2
55°	384.8	338.2	313.0	256.8	346.0
57.5°	348.9	291.7	267.4	230.6	340.1
60°	315.9	246.1	227.7	202.5	312.0
62.5°	288.8	212.2	208.3	183.1	282.9
65°	259.7	189.0	188.0	166.7	240.3
67.5°	231.6	173.5	172.5	151.2	183.1
70°	201.6	157.0	155.0	134.7	135.7
72.5°	170.5	138.6	136.6	121.1	112.4
75°	139.5	117.2	116.3	105.6	91.1
77.5°	109.5	93.0	95.0	85.3	66.9
80°	78.5	67.8	69.8	61.0	50.4
82.5°	52.3	44.6	46.5	38.8	33.9
85°	29.1	25.2	26.2	20.3	15.5
87.5°	13.6	11.6	11.6	7.8	4.8
90°	22.1	14.1	13.1	9.0	5.0
92.5°	136.1	96.8	88.3	54.2	20.1
95°	335.0	188.7	173.1	110.6	48.2
97.5°	451.2	207.2	193.4	138.3	83.2
100°	493.5	222.8	210.3	160.4	110.4
102.5°	512.9	238.3	226.6	180.0	133.4
105°	527.3	261.4	251.6	212.1	172.6
107.5°	530.0	295.5	286.3	249.5	212.7
110°	526.0	314.5	306.2	273.1	239.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	526.1	337.6	329.7	298.1	266.4
115°	531.0	372.3	365.0	335.8	306.5
117.5°	540.9	405.9	399.3	372.8	346.2
120°	548.9	425.5	419.3	394.3	369.3
122.5°	560.5	448.6	442.3	417.1	391.9
125°	576.0	478.1	472.4	449.4	426.5
127.5°	591.5	506.7	500.9	477.7	454.6
130°	602.9	525.8	519.6	494.6	469.6
132.5°	612.1	541.4	535.2	510.2	485.2
135°	622.1	559.4	553.7	531.0	508.2
137.5°	637.1	582.5	576.8	554.3	531.8
140°	646.4	598.1	592.8	572.1	551.4
142.5°	654.1	609.6	604.8	585.6	566.4
145°	664.1	627.1	623.0	606.2	589.5
147.5°	678.8	649.2	645.2	628.9	612.6
150°	686.5	660.8	657.1	642.4	627.6
152.5°	691.6	668.3	665.5	654.4	643.2
155°	702.5	684.8	682.8	674.5	666.3
157.5°	713.6	701.4	699.3	691.4	683.3
160°	718.6	708.9	707.4	701.1	694.9
162.5°	723.9	717.0	715.8	711.1	706.4
165°	731.7	728.5	727.4	723.2	718.9
167.5°	737.7	735.0	734.5	732.5	730.5
170°	742.7	742.5	742.1	740.0	738.0
172.5°	743.0	743.0	742.9	742.4	742.1
175°	746.0	747.6	747.6	747.6	747.6
177.5°	746.4	747.6	747.6	747.6	747.6
180°	747.6	747.6	747.6	747.6	747.6

(END OF REPORT)