

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P1306284 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-2S-VHE-A**

Issue Date: 2/3/2026

Test Information

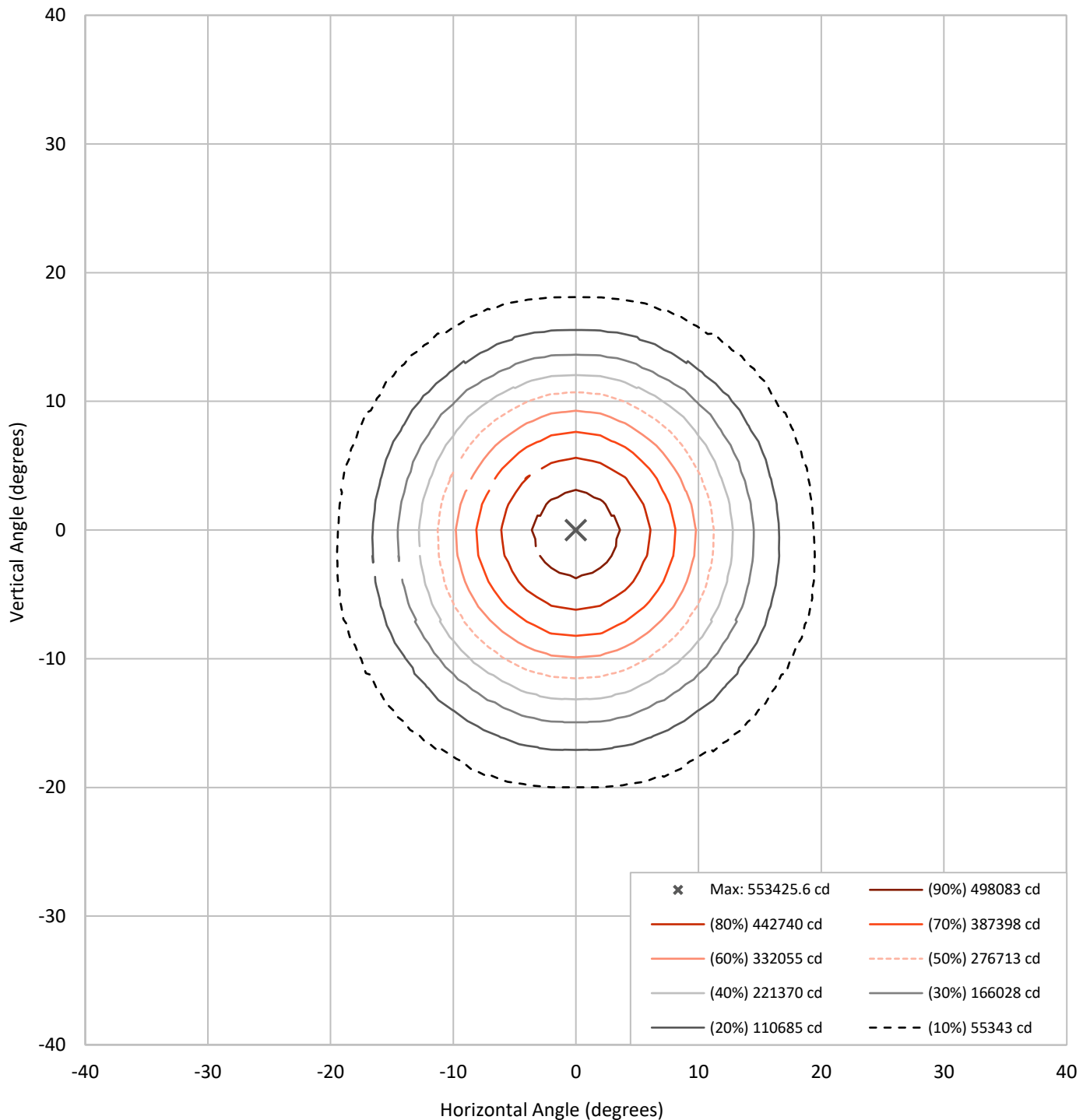
Test Method: LM-79-08
Report Number: P1306284 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-70-2S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	96730.6 lumens	Max Intensity:	553425.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	45200.6 lumens	Field Lumens:	80523.9 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%
Input Watts (W):	711		
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:	25 FT		

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Iso-Candela Plot





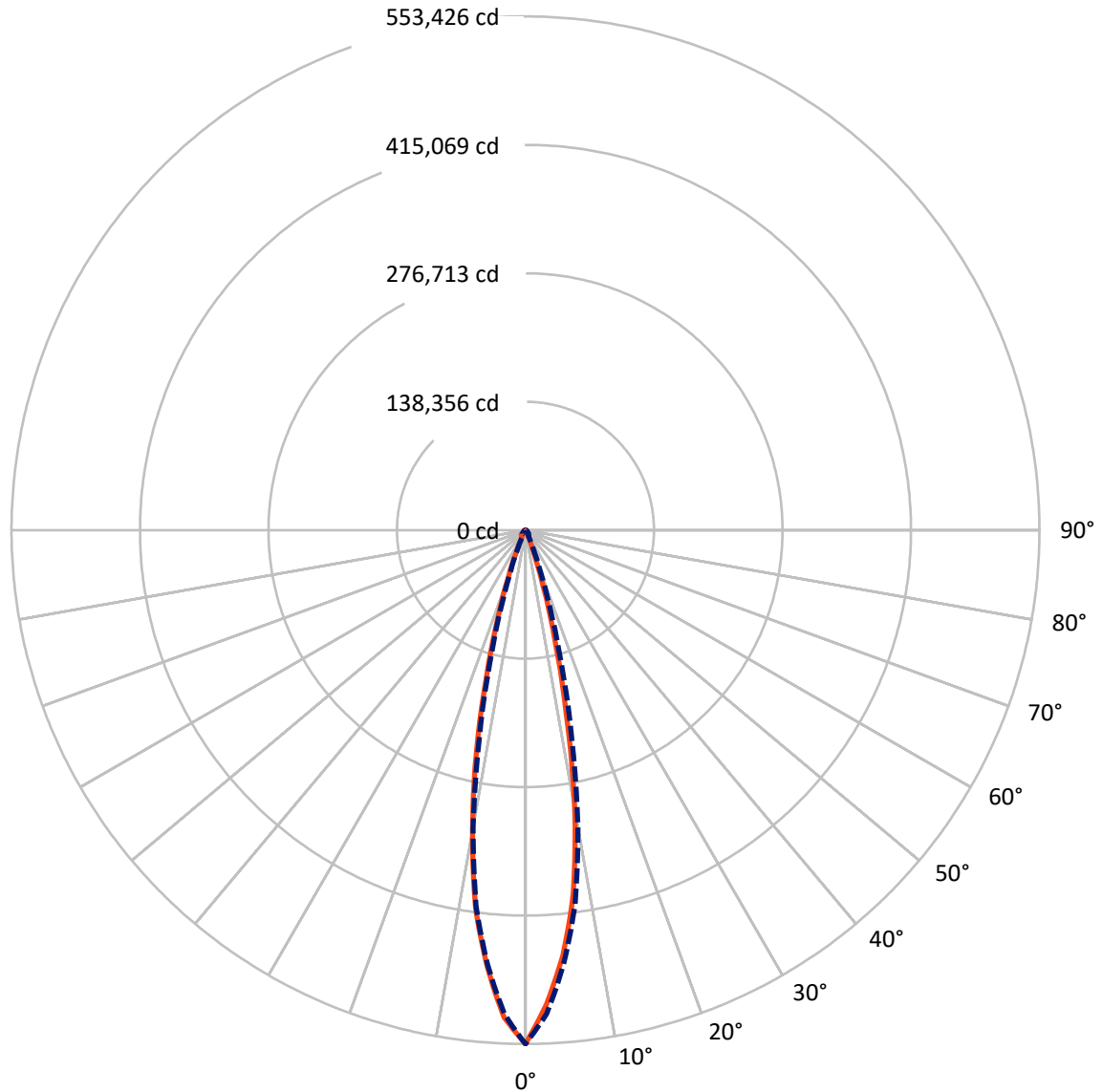
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Lumen Table

90	0.2	0.8		1.4		2.1		2.5		2.1		1.4		0.8		0.2			
80	0.2	0.8		1.4		2.1		2.5		2.1		1.4		0.8		0.2			
70	0.2	0.1	0.2	0.7	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.7	0.2	0.1	0.2			
60		0.4	0.8	1.1	0.9	0.8	0.9	1.1	1.1	0.9	0.8	0.9	1.1	0.8	0.4				
50	0.7	1.2	2.9	5.8	10.1	16.7	25.5	30.1	30.1	25.5	16.7	10.1	5.8	2.9	1.2	0.7			
40		3.0	9.5	18.4	36.0	62.7	76.2	84.5	84.5	76.2	62.7	36.0	18.4	9.5	3.0				
30	1.9	5.2	15.8	33.6	82.2	95.6	131.9	241.0	241.0	131.9	95.6	82.2	33.6	15.8	5.2	1.9			
20		6.9	20.6	58.9	115.9	170.3	1080.1	3483.7	3483.7	1080.1	170.3	115.9	58.9	20.6	6.9				
10	2.8	8.3	23.7	77.0	132.7	380.7	3826.4	11502.8	11502.8	3826.4	380.7	132.7	77.0	23.7	8.3	2.8			
0		9.1	26.1	81.2	146.0	436.6	4167.2	11962.5	11962.5	4167.2	436.6	146.0	81.2	26.1	9.1				
-10	3.0	9.3	27.3	78.3	153.7	249.9	1527.2	4474.1	4474.1	1527.2	249.9	153.7	78.3	27.3	9.3	3.0			
-20		8.5	26.8	59.8	144.9	198.7	276.0	552.0	552.0	276.0	198.7	144.9	59.8	26.8	8.5				
-30	2.5	7.2	23.4	46.8	101.3	178.4	209.0	219.2	219.2	209.0	178.4	101.3	46.8	23.4	7.2	2.5			
-40		5.5	17.7	37.9	60.4	92.9	141.3	177.4	177.4	141.3	92.9	60.4	37.9	17.7	5.5				
-50	2.0	3.6	11.3	24.8	42.3	57.3	68.3	75.5	75.5	68.3	57.3	42.3	24.8	11.3	3.6	2.0			
-60		2.5	5.7	12.5	21.6	30.3	38.2	42.9	42.9	38.2	30.3	21.6	12.5	5.7	2.5				
-70	1.4	8.9		21.5		35.9		43.9		35.9		21.5		8.9		1.4			
-80		8.9		21.5		35.9		43.9		35.9		21.5		8.9					
-90	1.4	8.9		21.5		35.9		43.9		35.9		21.5		8.9		1.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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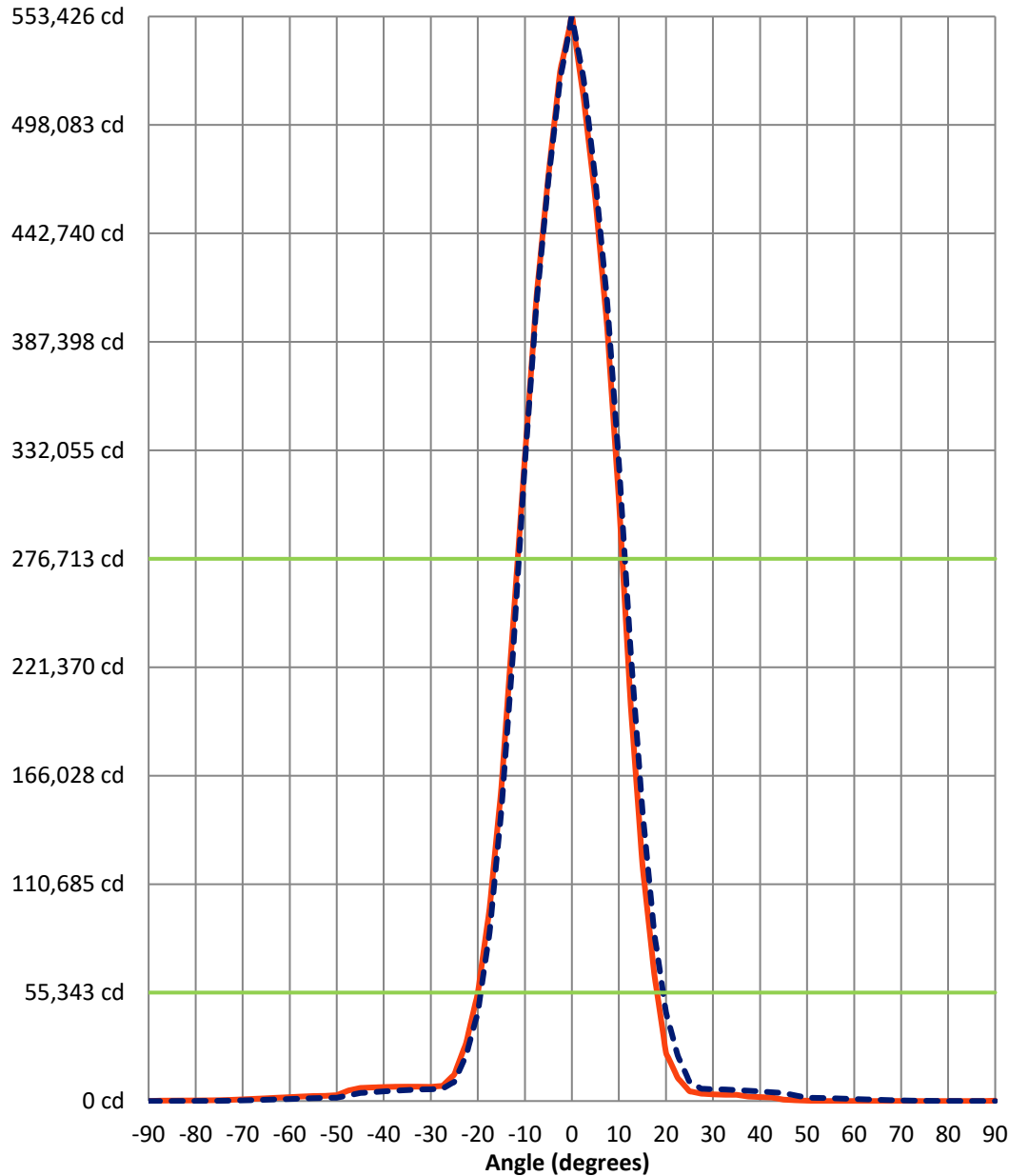
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 22.5°
V Angle: 22.2°
Lumens: 45200.6
Efficiency: 46.7%

Field:
H Angle: 38.8°
V Angle: 38.1°
Lumens: 80523.9
Efficiency: 83.2%

Spill:
Lumens: 16206.6
Efficiency: 16.8%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.6	11.8	18.1	31.0	44.0	55.3	66.6	75.1	83.6	90.4	97.1
87.5°	5.6	5.8	5.8	5.8	5.8	5.9	5.9	5.8	5.6	5.6	5.6
85°	5.6	5.9	6.0	6.1	6.0	6.1	6.2	6.0	5.6	5.6	5.6
82.5°	5.6	6.1	6.2	6.3	6.2	6.4	6.5	6.2	5.7	5.9	5.9
80°	5.6	6.2	6.4	6.5	6.5	6.6	6.8	6.6	6.5	6.6	6.5
77.5°	5.6	6.4	6.6	6.8	6.7	6.9	7.1	7.1	7.2	7.3	7.0
75°	5.6	6.5	6.8	7.0	6.9	7.3	7.4	7.6	7.9	7.8	7.5
72.5°	5.6	6.7	7.0	7.2	7.3	7.7	7.8	8.0	8.4	8.3	8.0
70°	5.6	6.8	7.3	7.5	7.7	8.1	8.2	8.6	8.8	8.7	8.7
67.5°	5.6	7.0	7.5	7.8	8.1	8.5	8.8	9.2	9.4	9.6	9.4
65°	5.6	7.1	7.7	8.1	8.5	9.0	9.5	9.8	10.5	10.4	10.4
62.5°	5.6	7.3	8.0	8.4	8.9	9.7	10.2	11.0	11.8	11.6	12.2
60°	5.6	7.4	8.2	8.7	9.3	10.4	11.0	12.6	13.3	14.0	14.2
57.5°	5.6	7.5	8.5	9.0	10.0	11.1	12.8	14.4	16.1	16.8	18.9
55°	5.6	7.7	8.9	9.3	10.9	11.8	14.9	16.5	19.3	20.9	25.4
52.5°	5.6	7.8	9.2	9.6	11.7	12.8	17.2	20.0	22.9	28.8	32.5
50°	5.6	8.0	9.6	9.8	12.6	15.1	19.6	23.8	28.1	37.4	46.4
47.5°	5.6	8.1	10.0	10.2	13.6	17.6	22.3	27.8	36.7	46.7	63.1
45°	5.6	8.3	10.5	11.0	14.6	20.2	25.9	31.9	46.3	63.4	81.3
42.5°	5.6	8.4	10.9	11.8	15.7	22.8	29.5	39.0	56.5	81.4	110.5
40°	5.6	8.6	11.4	12.9	17.3	25.5	33.4	48.3	69.6	100.6	143.7
37.5°	5.6	8.7	11.9	14.3	19.4	28.3	37.7	57.9	88.4	125.4	179.2
35°	5.6	8.8	12.5	15.7	21.6	31.5	42.0	67.8	108.0	158.6	219.0
32.5°	5.6	9.0	13.0	17.1	23.7	35.0	47.6	78.1	128.5	192.3	261.3
30°	5.6	9.1	13.6	18.6	25.8	38.4	56.0	90.0	149.7	226.4	301.5
27.5°	5.6	9.2	14.2	20.1	28.5	41.9	64.3	105.7	171.6	260.7	339.6
25°	5.6	9.3	14.7	21.6	31.3	45.3	72.4	120.5	194.4	293.3	375.9
22.5°	5.6	9.4	15.3	23.1	33.9	48.8	80.4	134.5	215.5	315.3	415.1
20°	5.6	9.6	15.9	24.7	36.5	52.4	88.1	147.5	234.8	335.8	445.6
17.5°	5.6	9.7	16.5	26.2	38.9	55.9	95.2	159.6	252.2	354.6	474.4
15°	5.6	9.8	17.1	27.8	41.3	59.3	101.5	170.2	267.8	371.6	502.2
12.5°	5.6	9.8	17.7	29.3	43.6	62.5	107.3	179.3	282.5	386.9	528.4
10°	5.6	9.9	18.3	30.8	45.7	65.5	112.5	187.4	296.5	405.8	555.5
7.5°	5.6	10.0	18.8	32.2	47.7	68.4	117.2	194.4	309.0	424.1	586.3
5°	5.6	10.1	19.3	33.6	49.7	71.0	121.3	200.4	320.0	440.9	614.6
2.5°	5.6	10.1	19.8	34.9	51.4	73.5	124.7	205.2	329.2	455.9	640.0
0°	5.6	10.2	20.3	36.1	53.1	75.7	127.6	209.0	336.6	468.7	661.9
-2.5°	5.6	10.6	21.4	37.7	55.4	78.8	131.7	216.6	346.9	482.2	673.4
-5°	5.6	11.1	22.4	39.2	57.6	81.7	135.1	222.9	355.0	493.2	681.1
-7.5°	5.6	11.5	23.4	40.6	59.6	84.4	137.9	227.9	360.9	501.6	685.2
-10°	5.6	11.9	24.3	41.9	61.5	86.8	140.1	231.3	364.4	507.2	686.0
-12.5°	5.6	12.3	25.2	43.1	63.2	88.9	141.5	233.0	365.5	509.4	685.1
-15°	5.6	12.6	26.0	44.2	64.8	90.8	142.2	233.0	362.8	505.3	680.4
-17.5°	5.6	13.0	26.7	45.2	66.1	92.3	142.2	230.7	356.1	498.2	670.3
-20°	5.6	13.3	27.4	46.1	67.3	93.6	141.6	226.3	347.2	488.1	654.6



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 CATALOG NUMBER: EPH-08-680N-40-70-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.6	13.6	28.0	46.8	68.3	94.6	140.5	220.4	335.9	474.9	633.7
-25°	5.6	13.9	28.6	47.5	69.1	95.4	138.6	213.1	322.5	458.6	613.3
-27.5°	5.6	14.2	29.1	48.0	69.6	96.0	135.8	204.2	306.8	445.2	598.8
-30°	5.6	14.4	29.4	48.5	70.1	96.4	132.2	193.9	294.3	430.2	580.9
-32.5°	5.6	14.6	29.8	48.8	70.6	96.4	127.8	187.4	283.7	411.9	559.0
-35°	5.6	14.8	30.0	49.0	70.9	96.1	126.0	181.8	270.6	390.3	533.2
-37.5°	5.6	14.9	30.1	49.1	71.1	95.7	125.3	175.5	254.8	365.5	505.2
-40°	5.6	15.1	30.2	49.1	71.1	95.7	124.2	167.6	236.4	343.0	473.8
-42.5°	5.6	15.2	30.2	49.0	71.0	95.4	122.7	158.2	222.5	318.9	438.1
-45°	5.6	15.2	30.1	48.9	70.9	94.9	120.8	151.0	210.0	291.6	399.6
-47.5°	5.6	15.3	29.9	48.8	70.7	94.1	118.4	148.2	195.6	261.6	365.2
-50°	5.6	15.3	29.6	48.5	70.2	93.1	116.8	144.7	179.4	242.8	327.1
-52.5°	5.6	15.2	29.3	48.2	69.6	91.9	115.1	140.8	170.9	222.3	286.5
-55°	5.6	15.2	28.9	47.7	68.8	90.6	113.1	136.5	165.5	199.9	259.2
-57.5°	5.6	15.1	28.4	47.0	67.8	89.1	110.8	133.7	159.4	189.1	230.6
-60°	5.6	15.0	27.8	46.3	66.7	87.3	108.3	130.6	153.4	181.3	207.1
-62.5°	5.6	14.9	27.3	45.4	65.4	85.3	105.6	127.0	148.9	172.4	196.5
-65°	5.6	14.7	26.8	44.4	63.9	83.1	102.6	123.0	143.9	165.1	185.2
-67.5°	5.6	14.5	26.2	43.2	62.2	80.6	99.3	118.8	138.5	158.0	175.9
-70°	5.6	14.3	25.5	42.0	60.4	78.0	95.7	114.3	133.2	150.5	167.2
-72.5°	5.6	14.1	24.8	40.9	58.4	75.1	92.0	109.6	127.6	143.4	158.2
-75°	5.6	13.8	24.0	39.8	56.3	72.1	88.2	104.6	121.7	136.0	149.7
-77.5°	5.6	13.5	23.1	38.5	54.5	68.9	84.1	99.4	115.3	128.3	140.8
-80°	5.6	13.2	22.2	37.2	52.6	66.2	79.8	94.0	108.6	120.0	131.2
-82.5°	5.6	12.9	21.2	35.8	50.6	63.6	76.6	88.8	101.5	111.4	121.3
-85°	5.6	12.6	20.2	34.3	48.5	61.0	73.4	84.4	95.7	104.0	112.2
-87.5°	5.6	12.2	19.2	32.7	46.3	58.2	70.1	79.8	89.7	97.2	104.7
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6



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 CATALOG NUMBER: EPH-08-680N-40-70-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	102.2	107.3	111.8	116.3	121.4	126.5	132.2	137.8	143.5	149.1	153.6
87.5°	5.3	5.1	5.1	5.1	4.8	4.5	4.5	4.5	4.0	3.4	3.4
85°	5.6	5.6	5.6	5.6	5.2	4.8	4.7	4.5	4.2	4.0	4.0
82.5°	6.1	6.2	6.0	5.6	5.5	5.5	5.1	4.7	4.7	4.8	4.7
80°	6.6	6.8	6.4	6.0	5.9	5.7	5.5	5.4	5.5	5.6	5.2
77.5°	7.0	6.9	6.7	6.6	6.4	6.0	6.0	6.2	6.1	5.7	5.6
75°	7.3	7.0	6.9	6.9	6.7	6.6	6.8	6.8	6.6	6.4	6.2
72.5°	7.8	7.6	7.4	7.1	7.0	6.9	6.8	6.8	7.9	9.5	10.6
70°	8.4	8.2	8.0	7.7	7.5	7.6	8.9	11.5	14.2	16.4	19.4
67.5°	9.0	9.0	8.6	8.6	9.2	10.5	12.5	20.0	27.5	30.2	31.6
65°	10.1	9.9	9.8	10.6	11.2	16.9	24.4	33.2	42.5	44.3	42.5
62.5°	11.4	12.6	12.2	14.2	19.4	26.3	35.7	45.8	56.4	54.0	45.0
60°	15.6	16.3	18.1	22.5	28.3	36.2	46.7	51.0	55.5	56.4	43.7
57.5°	21.0	23.3	27.6	32.1	39.9	44.3	45.9	46.0	52.4	52.8	40.1
55°	29.2	33.2	39.7	45.1	50.0	45.2	45.2	49.4	51.6	47.7	35.7
52.5°	42.0	46.3	56.3	60.5	57.8	53.7	52.7	56.4	54.3	48.4	41.2
50°	56.3	68.4	75.1	78.4	72.0	71.2	65.4	68.8	70.8	67.7	70.8
47.5°	79.2	93.9	99.3	104.2	99.1	104.6	99.1	115.2	115.6	155.4	160.0
45°	107.1	126.9	133.3	144.7	153.5	158.6	190.1	192.2	276.7	309.9	381.1
42.5°	139.8	165.6	188.1	193.8	247.0	272.4	317.0	398.5	476.5	543.6	581.6
40°	181.7	209.2	256.2	308.8	369.3	428.8	495.2	590.9	673.3	709.5	728.6
37.5°	227.6	280.6	343.2	431.0	520.9	589.4	668.2	758.2	813.0	832.1	836.5
35°	276.9	353.2	458.0	550.3	646.7	738.5	812.1	898.1	916.5	931.7	1016.4
32.5°	336.9	425.8	549.5	653.0	750.5	855.8	930.2	981.0	1010.4	1066.3	1342.3
30°	397.1	501.4	623.7	733.7	847.5	947.6	1018.5	1067.9	1101.3	1365.3	1938.6
27.5°	446.5	566.3	687.9	815.7	941.4	1041.8	1109.9	1154.9	1349.8	1787.4	2670.2
25°	491.3	617.4	752.1	906.3	1038.5	1131.4	1201.3	1245.8	1681.8	2575.5	3187.6
22.5°	533.4	666.8	824.7	1002.0	1135.2	1214.1	1281.2	1522.7	2183.0	3374.0	3703.2
20°	574.6	726.0	903.6	1083.2	1225.7	1284.3	1354.7	1833.1	2827.7	3681.3	4042.0
17.5°	617.1	786.9	978.0	1145.5	1273.0	1346.7	1459.7	2134.2	3372.0	3950.4	4211.2
15°	659.7	844.3	1038.5	1200.4	1319.5	1408.0	1699.8	2565.6	3709.2	4246.1	4491.8
12.5°	701.5	894.5	1084.1	1247.4	1368.2	1466.1	1919.4	3011.6	4013.9	4536.5	4861.7
10°	741.7	937.9	1123.1	1292.9	1415.9	1522.4	2141.3	3447.6	4289.0	4725.8	4998.5
7.5°	776.8	973.4	1156.8	1336.4	1460.5	1577.7	2384.5	3736.8	4406.1	4846.1	5067.7
5°	806.8	1001.4	1190.9	1385.0	1506.7	1628.7	2605.5	3927.5	4450.6	4920.3	5140.1
2.5°	832.1	1024.0	1220.4	1430.6	1552.2	1671.8	2760.3	4048.5	4480.9	4948.7	5211.3
0°	852.8	1041.4	1244.7	1470.6	1593.7	1710.0	2875.6	4106.8	4490.8	4938.1	5278.0
-2.5°	866.2	1066.9	1289.8	1509.2	1627.7	1742.1	2870.8	4141.1	4503.1	4995.1	5536.2
-5°	875.2	1086.8	1327.7	1541.8	1658.5	1770.3	2821.8	4116.0	4530.3	5081.8	5704.9
-7.5°	879.7	1100.1	1356.8	1568.1	1687.6	1801.9	2761.1	4058.1	4669.5	5260.1	5810.7
-10°	881.1	1108.0	1362.7	1580.7	1714.5	1833.0	2661.1	3936.5	4779.5	5334.7	5841.5
-12.5°	887.0	1111.8	1359.6	1585.8	1737.4	1861.4	2537.6	3855.9	4927.2	5380.8	5830.3
-15°	886.4	1110.4	1350.5	1584.3	1765.5	1899.4	2373.2	3665.7	5017.3	5391.1	5800.3
-17.5°	879.0	1104.0	1336.6	1578.9	1792.1	1927.9	2141.5	3274.3	4759.9	5345.5	5764.8
-20°	864.2	1090.2	1317.1	1561.9	1806.9	1954.2	2113.8	2931.6	4230.4	5224.6	5698.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	843.0	1070.0	1293.2	1533.2	1799.9	1984.1	2133.0	2598.3	3707.3	5045.4	5589.6
-25°	818.3	1041.6	1265.6	1517.6	1789.6	2012.6	2137.1	2288.6	3252.2	4452.2	5402.9
-27.5°	791.0	1006.7	1235.2	1484.7	1773.4	2007.5	2135.4	2278.5	2767.6	3722.5	5105.6
-30°	759.2	967.3	1193.2	1437.0	1716.2	1953.5	2130.3	2248.7	2398.1	3150.2	4329.7
-32.5°	724.1	922.9	1143.3	1382.9	1642.7	1893.1	2100.9	2224.8	2355.9	2613.4	3564.2
-35°	689.6	880.0	1088.2	1320.6	1567.6	1811.2	2023.8	2199.7	2309.8	2454.6	2888.5
-37.5°	657.6	831.9	1027.7	1252.6	1491.5	1709.4	1939.4	2130.0	2280.7	2385.7	2561.2
-40°	620.7	778.1	965.9	1176.3	1391.0	1598.5	1817.2	2031.6	2216.7	2354.9	2459.6
-42.5°	579.1	729.6	899.4	1086.4	1284.8	1482.2	1689.0	1901.5	2104.6	2286.9	2416.6
-45°	534.0	675.4	828.3	998.0	1174.0	1362.2	1559.1	1760.1	1961.8	2162.8	2322.8
-47.5°	481.9	615.8	760.8	903.5	1065.9	1238.8	1421.8	1610.8	1797.3	1991.3	2175.5
-50°	427.6	551.4	683.8	815.6	956.4	1112.8	1280.3	1456.9	1633.8	1812.9	1990.4
-52.5°	378.4	481.2	603.3	727.5	851.9	985.6	1137.3	1298.3	1465.2	1634.1	1789.4
-55°	325.9	418.4	518.7	635.0	751.8	867.9	991.3	1137.0	1288.3	1445.0	1584.2
-57.5°	285.4	355.1	441.6	537.7	646.4	756.4	864.5	974.0	1109.1	1248.4	1365.5
-60°	251.9	302.2	368.4	449.7	536.1	637.8	739.5	841.2	945.7	1045.4	1153.6
-62.5°	221.2	262.2	308.8	365.6	440.6	519.1	609.4	703.1	798.8	884.7	964.2
-65°	208.0	227.6	262.6	305.0	348.1	415.1	487.4	561.2	644.2	720.3	792.0
-67.5°	194.0	212.1	230.3	252.7	291.3	331.0	370.9	436.1	501.1	560.0	618.4
-70°	182.8	196.7	212.8	229.1	245.8	268.6	304.2	341.1	377.9	418.6	467.9
-72.5°	171.8	184.3	197.2	209.9	224.7	240.4	256.7	273.4	298.9	330.2	358.5
-75°	161.2	171.6	183.1	194.8	206.6	218.5	231.8	247.2	262.4	277.6	291.9
-77.5°	151.0	160.5	170.1	180.0	190.2	200.8	212.4	224.5	237.1	249.6	260.6
-80°	140.3	149.2	157.5	165.9	175.1	184.2	193.9	203.9	214.9	226.4	236.3
-82.5°	128.7	136.2	143.7	151.2	159.6	168.0	176.3	184.6	193.7	203.0	211.2
-85°	117.7	122.9	129.4	135.9	143.4	150.9	158.0	165.0	172.9	180.8	187.2
-87.5°	110.0	115.2	120.2	125.3	131.3	137.3	143.1	148.9	155.4	162.0	167.0
-90°	5.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	158.1	161.5	164.9	166.6	168.3	171.7	175.1	180.2	185.2	190.9	196.5
87.5°	3.4	3.4	3.4	3.3	3.3	2.8	2.3	2.3	2.3	2.3	2.3
85°	4.1	4.2	4.2	3.8	3.4	3.3	3.3	3.3	3.3	2.8	2.3
82.5°	4.5	4.5	4.5	4.3	4.2	3.9	3.4	3.4	3.4	3.4	3.4
80°	4.9	4.7	4.5	4.5	4.5	4.4	4.2	3.9	3.4	3.9	4.4
77.5°	5.6	5.3	4.9	4.8	4.6	4.2	3.8	3.5	3.4	3.5	3.5
75°	5.8	5.9	6.7	6.9	6.7	6.1	5.1	5.0	5.1	4.9	4.5
72.5°	11.5	12.1	12.5	13.5	14.1	14.7	16.0	18.2	20.7	23.1	25.4
70°	23.1	26.3	27.1	27.1	27.1	27.9	29.1	30.4	32.2	33.7	34.9
67.5°	35.6	38.4	38.8	39.4	38.4	36.8	35.3	35.2	37.2	39.6	42.2
65°	43.3	40.5	38.4	37.9	37.2	35.3	32.3	30.2	29.7	29.2	29.3
62.5°	39.0	33.3	31.3	30.9	29.1	27.0	23.0	19.7	18.1	17.2	17.3
60°	33.8	27.1	23.1	21.3	18.5	15.8	13.4	10.9	10.2	9.9	10.0
57.5°	27.8	20.7	15.9	15.2	13.1	10.4	8.5	6.8	6.5	6.5	6.9
55°	25.5	21.7	18.2	17.0	14.5	13.3	11.5	9.1	8.5	9.2	10.1
52.5°	33.1	31.0	29.4	29.5	32.4	30.1	22.4	31.5	36.6	36.6	35.0
50°	72.5	65.2	93.1	89.6	111.9	126.9	115.3	129.4	149.6	163.8	173.7
47.5°	207.0	214.6	247.9	276.8	300.1	326.2	352.7	368.6	372.7	399.1	417.2
45°	416.9	441.9	479.0	497.8	534.4	577.8	608.2	621.8	701.6	800.9	865.1
42.5°	605.1	624.4	653.5	719.6	786.8	935.2	1105.6	1111.5	1265.4	1401.7	1541.2
40°	736.6	772.9	876.7	1033.6	1395.9	1678.6	1879.7	2076.9	2109.8	2045.8	2080.7
37.5°	906.9	1036.7	1299.6	1723.0	2036.5	2320.4	2434.7	2449.5	2489.4	2514.4	2474.7
35°	1228.0	1660.4	1878.5	2238.4	2466.5	2521.8	2556.4	2590.4	2623.0	2645.3	2669.6
32.5°	1931.1	2466.8	2495.6	2588.1	2630.7	2679.9	2716.5	2737.8	2752.6	2772.2	2838.3
30°	2687.0	2811.7	2822.1	2814.7	2829.4	2862.5	2886.4	2925.5	2964.4	3009.1	3155.8
27.5°	3039.9	3135.4	3105.7	3054.7	3029.4	3055.8	3121.0	3181.7	3294.8	3413.7	3624.2
25°	3430.6	3493.9	3457.6	3367.1	3310.4	3347.7	3445.8	3561.5	3777.6	3968.2	4355.5
22.5°	3849.0	3966.7	3928.6	3901.7	3782.2	3800.0	3877.4	4138.7	4679.3	5535.2	7312.5
20°	4173.4	4317.3	4335.6	4336.2	4311.0	4318.3	4498.0	5340.7	6921.3	11888.3	16291.4
17.5°	4414.0	4498.3	4599.6	4641.2	4690.5	4834.2	5792.5	8707.7	15533.7	24669.2	31664.7
15°	4725.7	4833.7	4943.5	5013.0	5124.3	5914.7	8365.1	17318.5	29731.2	45236.5	65055.1
12.5°	4975.4	5108.5	5195.6	5250.7	5507.2	7586.5	16112.1	29001.4	48368.2	72428.7	108121.3
10°	5113.5	5217.2	5336.1	5526.8	6573.2	11004.5	22721.5	40754.4	70525.4	113864.3	161403.6
7.5°	5182.2	5316.5	5515.2	5805.1	7780.0	16064.5	31609.7	57524.8	98187.8	152153.3	218392.1
5°	5262.3	5510.5	5747.1	6078.9	8717.1	19718.1	38675.1	71828.2	122306.4	188322.7	270128.1
2.5°	5391.6	5764.9	5917.4	6236.1	9281.8	22070.1	42888.3	83015.4	140316.4	217838.0	309684.2
0°	5595.4	5906.0	5997.5	6318.3	9850.2	23233.3	45363.2	86083.1	148338.7	229332.4	325263.4
-2.5°	5825.8	6019.7	6121.2	6478.7	10135.6	24420.1	47310.3	88144.3	146428.2	225503.4	319410.4
-5°	5976.0	6130.0	6228.3	6577.7	10104.3	23233.3	45134.7	82084.0	135258.0	205984.2	289943.7
-7.5°	6078.4	6238.7	6341.5	6661.7	9506.9	20078.3	39865.1	70755.3	114946.0	172950.8	245470.6
-10°	6178.2	6353.3	6488.1	6741.1	8414.3	15327.7	31289.8	53379.7	89894.9	136046.6	190267.5
-12.5°	6268.4	6484.7	6658.1	6774.5	7388.1	11658.4	22994.2	40829.7	64705.5	99157.1	138834.3
-15°	6313.9	6572.8	6766.9	6895.3	7251.0	9218.4	14889.9	27017.7	45174.8	66544.3	92362.5
-17.5°	6235.4	6621.4	6808.2	6949.5	7066.5	7572.2	10503.2	16584.4	27925.1	41923.9	54535.9
-20°	6110.4	6626.8	6838.3	7028.6	7161.6	7299.3	7672.7	10561.6	15175.1	23763.4	32169.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6004.8	6484.9	6926.4	7132.0	7285.0	7295.1	7306.6	7654.4	9455.8	12349.3	16795.9
-25°	5931.5	6385.8	6899.5	7218.1	7324.0	7327.8	7270.0	7205.4	7409.7	7615.0	9239.8
-27.5°	5807.6	6300.4	6783.2	7171.7	7328.7	7323.4	7279.5	7236.4	7165.6	7119.5	7294.7
-30°	5656.0	6151.2	6600.7	6991.4	7224.2	7295.7	7265.8	7233.7	7211.8	7196.4	7165.0
-32.5°	4848.1	5967.9	6346.5	6701.1	7033.3	7178.8	7243.5	7228.5	7208.9	7200.4	7206.0
-35°	3960.1	5116.2	6099.4	6352.0	6640.3	6929.9	7134.2	7180.4	7200.9	7197.3	7206.2
-37.5°	3036.4	4077.9	5044.0	5851.5	6198.5	6499.6	6796.5	6993.2	7111.3	7131.7	7159.5
-40°	2616.9	2911.4	3826.6	4638.2	5313.4	5934.9	6249.4	6589.4	6854.6	6961.4	7017.5
-42.5°	2506.0	2623.0	2743.3	3338.5	4037.5	4630.1	5217.1	5800.7	6285.0	6559.0	6737.3
-45°	2457.7	2523.0	2592.3	2688.2	2774.0	3274.5	3813.5	4382.1	5018.6	5494.1	5937.0
-47.5°	2317.0	2448.4	2514.7	2555.3	2585.5	2651.6	2710.6	2870.8	3400.6	3817.2	4279.3
-50°	2130.9	2264.5	2372.8	2469.1	2502.0	2517.2	2534.9	2588.2	2672.8	2734.3	2827.4
-52.5°	1915.4	2040.8	2161.5	2264.6	2338.2	2401.7	2462.2	2504.3	2538.5	2574.1	2607.7
-55°	1709.5	1816.2	1919.7	2016.5	2104.3	2177.5	2249.6	2318.1	2382.4	2442.8	2499.3
-57.5°	1483.6	1590.2	1685.3	1772.2	1847.0	1908.1	1979.2	2054.8	2125.5	2188.3	2249.5
-60°	1255.6	1352.6	1443.6	1525.8	1594.3	1648.2	1717.3	1785.1	1849.7	1908.2	1959.5
-62.5°	1041.3	1124.1	1202.5	1275.0	1339.9	1397.8	1455.7	1513.7	1574.9	1629.6	1677.9
-65°	860.1	926.2	981.9	1033.6	1077.2	1129.5	1185.3	1237.3	1291.1	1341.8	1388.0
-67.5°	678.1	734.1	780.9	825.6	862.0	898.8	940.3	979.8	1017.8	1057.2	1095.7
-70°	511.7	551.2	580.7	611.4	647.2	680.8	714.2	747.7	779.4	814.0	849.7
-72.5°	381.9	401.1	420.5	445.3	466.8	491.0	515.1	540.8	567.0	592.2	615.6
-75°	305.7	317.9	332.6	344.7	353.9	365.8	379.1	395.3	411.6	427.9	443.3
-77.5°	271.9	280.3	287.1	292.3	296.8	302.8	308.9	320.3	332.5	346.2	360.0
-80°	245.8	251.3	255.9	259.7	263.1	268.1	273.2	283.0	293.6	303.8	313.6
-82.5°	219.3	223.8	227.7	231.0	234.1	238.8	243.6	251.6	259.6	269.4	279.3
-85°	193.6	197.6	201.3	204.3	207.2	210.9	214.6	222.0	229.4	237.3	245.1
-87.5°	172.0	175.3	178.6	181.1	183.6	186.8	189.9	195.8	201.6	208.0	214.3
-90°	3.4	3.4	3.4	2.9	2.3	2.3	2.3	2.3	2.3	1.7	1.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	197.1	197.7	197.7	197.7	197.7	197.7	197.1	196.5	190.9	185.2	180.2
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	3.3	3.3
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	3.9	3.4	3.9
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.5
75°	4.0	3.4	3.4	3.4	3.4	3.4	4.0	4.5	4.9	5.1	5.0
72.5°	27.6	29.6	30.8	31.6	30.8	29.6	27.6	25.4	23.1	20.7	18.2
70°	35.6	35.9	36.1	36.1	36.1	35.9	35.6	34.9	33.7	32.2	30.4
67.5°	43.8	44.8	45.1	45.2	45.1	44.8	43.8	42.2	39.6	37.2	35.2
65°	28.0	25.9	24.0	22.6	24.0	25.9	28.0	29.3	29.2	29.7	30.2
62.5°	16.9	16.2	15.9	15.8	15.9	16.2	16.9	17.3	17.2	18.1	19.7
60°	10.1	10.3	9.8	9.0	9.8	10.3	10.1	10.0	9.9	10.2	10.9
57.5°	7.3	7.8	8.4	9.0	8.4	7.8	7.3	6.9	6.5	6.5	6.8
55°	10.9	11.9	12.8	13.6	12.8	11.9	10.9	10.1	9.2	8.5	9.1
52.5°	31.5	28.3	27.3	28.2	27.3	28.3	31.5	35.0	36.6	36.6	31.5
50°	178.8	182.4	186.8	192.0	186.8	182.4	178.8	173.7	163.8	149.6	129.4
47.5°	422.3	414.3	406.8	404.4	406.8	414.3	422.3	417.2	399.1	372.7	368.6
45°	800.7	741.8	711.7	729.6	711.7	741.8	800.7	865.1	800.9	701.6	621.8
42.5°	1616.0	1703.2	1771.4	1803.8	1771.4	1703.2	1616.0	1541.2	1401.7	1265.4	1111.5
40°	2026.0	1993.2	2010.8	2037.6	2010.8	1993.2	2026.0	2080.7	2045.8	2109.8	2076.9
37.5°	2494.1	2505.0	2426.2	2297.4	2426.2	2505.0	2494.1	2474.7	2514.4	2489.4	2449.5
35°	2721.1	2861.5	3124.3	3187.4	3124.3	2861.5	2721.1	2669.6	2645.3	2623.0	2590.4
32.5°	3005.4	3151.1	3195.7	3213.4	3195.7	3151.1	3005.4	2838.3	2772.2	2752.6	2737.8
30°	3345.1	3410.8	3394.3	3418.9	3394.3	3410.8	3345.1	3155.8	3009.1	2964.4	2925.5
27.5°	3717.1	3755.6	3743.1	3775.8	3743.1	3755.6	3717.1	3624.2	3413.7	3294.8	3181.7
25°	4677.7	4981.2	4965.4	5036.3	4965.4	4981.2	4677.7	4355.5	3968.2	3777.6	3561.5
22.5°	9476.0	10548.8	11191.3	11813.2	11191.3	10548.8	9476.0	7312.5	5535.2	4679.3	4138.7
20°	21172.7	24264.7	24937.8	24692.6	24937.8	24264.7	21172.7	16291.4	11888.3	6921.3	5340.7
17.5°	45447.9	57785.0	64409.2	65146.0	64409.2	57785.0	45447.9	31664.7	24669.2	15533.7	8707.7
15°	85530.1	107092.4	119335.1	120621.4	119335.1	107092.4	85530.1	65055.1	45236.5	29731.2	17318.5
12.5°	139821.0	174159.2	199367.4	202179.7	199367.4	174159.2	139821.0	108121.3	72428.7	48368.2	29001.4
10°	214187.1	260612.1	297323.2	306266.7	297323.2	260612.1	214187.1	161403.6	113864.3	70525.4	40754.4
7.5°	288412.0	341392.3	384598.9	394764.6	384598.9	341392.3	288412.0	218392.1	152153.3	98187.8	57524.8
5°	346435.9	414223.1	448702.7	460094.7	448702.7	414223.1	346435.9	270128.1	188322.7	122306.4	71828.2
2.5°	390664.5	454672.0	495150.0	511757.5	495150.0	454672.0	390664.5	309684.2	217838.0	140316.4	83015.4
0°	407737.7	469825.1	521371.6	553425.6	521371.6	469825.1	407737.7	325263.4	229332.4	148338.7	86083.1
-2.5°	401045.3	460824.6	504633.0	525425.9	504633.0	460824.6	401045.3	319410.4	225503.4	146428.2	88144.3
-5°	367212.9	427541.1	461412.6	472141.7	461412.6	427541.1	367212.9	289943.7	205984.2	135258.0	82084.0
-7.5°	310517.3	363619.6	403782.0	410981.1	403782.0	363619.6	310517.3	245470.6	172950.8	114946.0	70755.3
-10°	246103.8	292073.0	322711.7	328507.2	322711.7	292073.0	246103.8	190267.5	136046.6	89894.9	53379.7
-12.5°	174450.9	214830.0	239053.9	243523.7	239053.9	214830.0	174450.9	138834.3	99157.1	64705.5	40829.7
-15°	118548.1	143699.5	158381.4	159863.9	158381.4	143699.5	118548.1	92362.5	66544.3	45174.8	27017.7
-17.5°	74175.6	89136.3	98286.9	98371.8	98286.9	89136.3	74175.6	54535.9	41923.9	27925.1	16584.4
-20°	42943.3	50082.5	55202.0	55180.6	55202.0	50082.5	42943.3	32169.1	23763.4	15175.1	10561.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	22374.0	26617.1	29704.1	29562.9	29704.1	26617.1	22374.0	16795.9	12349.3	9455.8	7654.4
-25°	10986.7	12611.2	13692.4	13607.9	13692.4	12611.2	10986.7	9239.8	7615.0	7409.7	7205.4
-27.5°	7445.6	7624.4	7747.8	7760.6	7747.8	7624.4	7445.6	7294.7	7119.5	7165.6	7236.4
-30°	7152.9	7193.8	7236.8	7247.9	7236.8	7193.8	7152.9	7165.0	7196.4	7211.8	7233.7
-32.5°	7223.6	7255.4	7302.7	7332.6	7302.7	7255.4	7223.6	7206.0	7200.4	7208.9	7228.5
-35°	7228.7	7265.8	7320.4	7345.0	7320.4	7265.8	7228.7	7206.2	7197.3	7200.9	7180.4
-37.5°	7195.1	7240.4	7287.3	7308.8	7287.3	7240.4	7195.1	7159.5	7131.7	7111.3	6993.2
-40°	7067.4	7113.7	7148.0	7150.7	7148.0	7113.7	7067.4	7017.5	6961.4	6854.6	6589.4
-42.5°	6856.0	6913.3	6939.8	6935.0	6939.8	6913.3	6856.0	6737.3	6559.0	6285.0	5800.7
-45°	6357.0	6560.1	6659.8	6684.2	6659.8	6560.1	6357.0	5937.0	5494.1	5018.6	4382.1
-47.5°	4814.9	5112.7	5303.7	5379.7	5303.7	5112.7	4814.9	4279.3	3817.2	3400.6	2870.8
-50°	2949.1	2976.8	2995.0	3004.4	2995.0	2976.8	2949.1	2827.4	2734.3	2672.8	2588.2
-52.5°	2635.8	2643.8	2648.0	2648.6	2648.0	2643.8	2635.8	2607.7	2574.1	2538.5	2504.3
-55°	2540.0	2555.9	2565.9	2568.4	2565.9	2555.9	2540.0	2499.3	2442.8	2382.4	2318.1
-57.5°	2289.9	2299.0	2309.1	2315.4	2309.1	2299.0	2289.9	2249.5	2188.3	2125.5	2054.8
-60°	1990.3	1998.7	2000.3	1994.7	2000.3	1998.7	1990.3	1959.5	1908.2	1849.7	1785.1
-62.5°	1704.2	1712.0	1719.7	1722.5	1719.7	1712.0	1704.2	1677.9	1629.6	1574.9	1513.7
-65°	1409.5	1413.4	1415.2	1411.8	1415.2	1413.4	1409.5	1388.0	1341.8	1291.1	1237.3
-67.5°	1113.8	1121.5	1132.3	1139.6	1132.3	1121.5	1113.8	1095.7	1057.2	1017.8	979.8
-70°	858.0	854.6	861.8	867.4	861.8	854.6	858.0	849.7	814.0	779.4	747.7
-72.5°	618.7	615.0	612.4	607.7	612.4	615.0	618.7	615.6	592.2	567.0	540.8
-75°	442.4	438.0	437.3	436.0	437.3	438.0	442.4	443.3	427.9	411.6	395.3
-77.5°	360.2	358.5	356.2	353.5	356.2	358.5	360.2	360.0	346.2	332.5	320.3
-80°	314.5	314.6	313.3	311.7	313.3	314.6	314.5	313.6	303.8	293.6	283.0
-82.5°	279.8	279.7	278.9	277.9	278.9	279.7	279.8	279.3	269.4	259.6	251.6
-85°	245.7	246.0	245.0	244.0	245.0	246.0	245.7	245.1	237.3	229.4	222.0
-87.5°	215.0	215.6	215.1	214.6	215.1	215.6	215.0	214.3	208.0	201.6	195.8
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	175.1	171.7	168.3	166.6	164.9	161.5	158.1	153.6	149.1	143.5	137.8
87.5°	2.3	2.8	3.3	3.3	3.4	3.4	3.4	3.4	3.4	4.0	4.5
85°	3.3	3.3	3.4	3.8	4.2	4.2	4.1	4.0	4.0	4.2	4.5
82.5°	3.4	3.9	4.2	4.3	4.5	4.5	4.5	4.7	4.8	4.7	4.7
80°	4.2	4.4	4.5	4.5	4.5	4.7	4.9	5.2	5.6	5.5	5.4
77.5°	3.8	4.2	4.6	4.8	4.9	5.3	5.6	5.6	5.7	6.1	6.2
75°	5.1	6.1	6.7	6.9	6.7	5.9	5.8	6.2	6.4	6.6	6.8
72.5°	16.0	14.7	14.1	13.5	12.5	12.1	11.5	10.6	9.5	7.9	6.8
70°	29.1	27.9	27.1	27.1	27.1	26.3	23.1	19.4	16.4	14.2	11.5
67.5°	35.3	36.8	38.4	39.4	38.8	38.4	35.6	31.6	30.2	27.5	20.0
65°	32.3	35.3	37.2	37.9	38.4	40.5	43.3	42.5	44.3	42.5	33.2
62.5°	23.0	27.0	29.1	30.9	31.3	33.3	39.0	45.0	54.0	56.4	45.8
60°	13.4	15.8	18.5	21.3	23.1	27.1	33.8	43.7	56.4	55.5	51.0
57.5°	8.5	10.4	13.1	15.2	15.9	20.7	27.8	40.1	52.8	52.4	46.0
55°	11.5	13.3	14.5	17.0	18.2	21.7	25.5	35.7	47.7	51.6	49.4
52.5°	22.4	30.1	32.4	29.5	29.4	31.0	33.1	41.2	48.4	54.3	56.4
50°	115.3	126.9	111.9	89.6	93.1	65.2	72.5	70.8	67.7	70.8	68.8
47.5°	352.7	326.2	300.1	276.8	247.9	214.6	207.0	160.0	155.4	115.6	115.2
45°	608.2	577.8	534.4	497.8	479.0	441.9	416.9	381.1	309.9	276.7	192.2
42.5°	1105.6	935.2	786.8	719.6	653.5	624.4	605.1	581.6	543.6	476.5	398.5
40°	1879.7	1678.6	1395.9	1033.6	876.7	772.9	736.6	728.6	709.5	673.3	590.9
37.5°	2434.7	2320.4	2036.5	1723.0	1299.6	1036.7	906.9	836.5	832.1	813.0	758.2
35°	2556.4	2521.8	2466.5	2238.4	1878.5	1660.4	1228.0	1016.4	931.7	916.5	898.1
32.5°	2716.5	2679.9	2630.7	2588.1	2495.6	2466.8	1931.1	1342.3	1066.3	1010.4	981.0
30°	2886.4	2862.5	2829.4	2814.7	2822.1	2811.7	2687.0	1938.6	1365.3	1101.3	1067.9
27.5°	3121.0	3055.8	3029.4	3054.7	3105.7	3135.4	3039.9	2670.2	1787.4	1349.8	1154.9
25°	3445.8	3347.7	3310.4	3367.1	3457.6	3493.9	3430.6	3187.6	2575.5	1681.8	1245.8
22.5°	3877.4	3800.0	3782.2	3901.7	3928.6	3966.7	3849.0	3703.2	3374.0	2183.0	1522.7
20°	4498.0	4318.3	4311.0	4336.2	4335.6	4317.3	4173.4	4042.0	3681.3	2827.7	1833.1
17.5°	5792.5	4834.2	4690.5	4641.2	4599.6	4498.3	4414.0	4211.2	3950.4	3372.0	2134.2
15°	8365.1	5914.7	5124.3	5013.0	4943.5	4833.7	4725.7	4491.8	4246.1	3709.2	2565.6
12.5°	16112.1	7586.5	5507.2	5250.7	5195.6	5108.5	4975.4	4861.7	4536.5	4013.9	3011.6
10°	22721.5	11004.5	6573.2	5526.8	5336.1	5217.2	5113.5	4998.5	4725.8	4289.0	3447.6
7.5°	31609.7	16064.5	7780.0	5805.1	5515.2	5316.5	5182.2	5067.7	4846.1	4406.1	3736.8
5°	38675.1	19718.1	8717.1	6078.9	5747.1	5510.5	5262.3	5140.1	4920.3	4450.6	3927.5
2.5°	42888.3	22070.1	9281.8	6236.1	5917.4	5764.9	5391.6	5211.3	4948.7	4480.9	4048.5
0°	45363.2	23233.3	9850.2	6318.3	5997.5	5906.0	5595.4	5278.0	4938.1	4490.8	4106.8
-2.5°	47310.3	24420.1	10135.6	6478.7	6121.2	6019.7	5825.8	5536.2	4995.1	4503.1	4141.1
-5°	45134.7	23233.3	10104.3	6577.7	6228.3	6130.0	5976.0	5704.9	5081.8	4530.3	4116.0
-7.5°	39865.1	20078.3	9506.9	6661.7	6341.5	6238.7	6078.4	5810.7	5260.1	4669.5	4058.1
-10°	31289.8	15327.7	8414.3	6741.1	6488.1	6353.3	6178.2	5841.5	5334.7	4779.5	3936.5
-12.5°	22994.2	11658.4	7388.1	6774.5	6658.1	6484.7	6268.4	5830.3	5380.8	4927.2	3855.9
-15°	14889.9	9218.4	7251.0	6895.3	6766.9	6572.8	6313.9	5800.3	5391.1	5017.3	3665.7
-17.5°	10503.2	7572.2	7066.5	6949.5	6808.2	6621.4	6235.4	5764.8	5345.5	4759.9	3274.3
-20°	7672.7	7299.3	7161.6	7028.6	6838.3	6626.8	6110.4	5698.0	5224.6	4230.4	2931.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7306.6	7295.1	7285.0	7132.0	6926.4	6484.9	6004.8	5589.6	5045.4	3707.3	2598.3
-25°	7270.0	7327.8	7324.0	7218.1	6899.5	6385.8	5931.5	5402.9	4452.2	3252.2	2288.6
-27.5°	7279.5	7323.4	7328.7	7171.7	6783.2	6300.4	5807.6	5105.6	3722.5	2767.6	2278.5
-30°	7265.8	7295.7	7224.2	6991.4	6600.7	6151.2	5656.0	4329.7	3150.2	2398.1	2248.7
-32.5°	7243.5	7178.8	7033.3	6701.1	6346.5	5967.9	4848.1	3564.2	2613.4	2355.9	2224.8
-35°	7134.2	6929.9	6640.3	6352.0	6099.4	5116.2	3960.1	2888.5	2454.6	2309.8	2199.7
-37.5°	6796.5	6499.6	6198.5	5851.5	5044.0	4077.9	3036.4	2561.2	2385.7	2280.7	2130.0
-40°	6249.4	5934.9	5313.4	4638.2	3826.6	2911.4	2616.9	2459.6	2354.9	2216.7	2031.6
-42.5°	5217.1	4630.1	4037.5	3338.5	2743.3	2623.0	2506.0	2416.6	2286.9	2104.6	1901.5
-45°	3813.5	3274.5	2774.0	2688.2	2592.3	2523.0	2457.7	2322.8	2162.8	1961.8	1760.1
-47.5°	2710.6	2651.6	2585.5	2555.3	2514.7	2448.4	2317.0	2175.5	1991.3	1797.3	1610.8
-50°	2534.9	2517.2	2502.0	2469.1	2372.8	2264.5	2130.9	1990.4	1812.9	1633.8	1456.9
-52.5°	2462.2	2401.7	2338.2	2264.6	2161.5	2040.8	1915.4	1789.4	1634.1	1465.2	1298.3
-55°	2249.6	2177.5	2104.3	2016.5	1919.7	1816.2	1709.5	1584.2	1445.0	1288.3	1137.0
-57.5°	1979.2	1908.1	1847.0	1772.2	1685.3	1590.2	1483.6	1365.5	1248.4	1109.1	974.0
-60°	1717.3	1648.2	1594.3	1525.8	1443.6	1352.6	1255.6	1153.6	1045.4	945.7	841.2
-62.5°	1455.7	1397.8	1339.9	1275.0	1202.5	1124.1	1041.3	964.2	884.7	798.8	703.1
-65°	1185.3	1129.5	1077.2	1033.6	981.9	926.2	860.1	792.0	720.3	644.2	561.2
-67.5°	940.3	898.8	862.0	825.6	780.9	734.1	678.1	618.4	560.0	501.1	436.1
-70°	714.2	680.8	647.2	611.4	580.7	551.2	511.7	467.9	418.6	377.9	341.1
-72.5°	515.1	491.0	466.8	445.3	420.5	401.1	381.9	358.5	330.2	298.9	273.4
-75°	379.1	365.8	353.9	344.7	332.6	317.9	305.7	291.9	277.6	262.4	247.2
-77.5°	308.9	302.8	296.8	292.3	287.1	280.3	271.9	260.6	249.6	237.1	224.5
-80°	273.2	268.1	263.1	259.7	255.9	251.3	245.8	236.3	226.4	214.9	203.9
-82.5°	243.6	238.8	234.1	231.0	227.7	223.8	219.3	211.2	203.0	193.7	184.6
-85°	214.6	210.9	207.2	204.3	201.3	197.6	193.6	187.2	180.8	172.9	165.0
-87.5°	189.9	186.8	183.6	181.1	178.6	175.3	172.0	167.0	162.0	155.4	148.9
-90°	2.3	2.3	2.3	2.9	3.4	3.4	3.4	3.4	3.4	4.0	4.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	132.2	126.5	121.4	116.3	111.8	107.3	102.2	97.1	90.4	83.6	75.1
87.5°	4.5	4.5	4.8	5.1	5.1	5.1	5.3	5.6	5.6	5.6	5.8
85°	4.7	4.8	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.0
82.5°	5.1	5.5	5.5	5.6	6.0	6.2	6.1	5.9	5.9	5.7	6.2
80°	5.5	5.7	5.9	6.0	6.4	6.8	6.6	6.5	6.6	6.5	6.6
77.5°	6.0	6.0	6.4	6.6	6.7	6.9	7.0	7.0	7.3	7.2	7.1
75°	6.8	6.6	6.7	6.9	6.9	7.0	7.3	7.5	7.8	7.9	7.6
72.5°	6.8	6.9	7.0	7.1	7.4	7.6	7.8	8.0	8.3	8.4	8.0
70°	8.9	7.6	7.5	7.7	8.0	8.2	8.4	8.7	8.7	8.8	8.6
67.5°	12.5	10.5	9.2	8.6	8.6	9.0	9.0	9.4	9.6	9.4	9.2
65°	24.4	16.9	11.2	10.6	9.8	9.9	10.1	10.4	10.4	10.5	9.8
62.5°	35.7	26.3	19.4	14.2	12.2	12.6	11.4	12.2	11.6	11.8	11.0
60°	46.7	36.2	28.3	22.5	18.1	16.3	15.6	14.2	14.0	13.3	12.6
57.5°	45.9	44.3	39.9	32.1	27.6	23.3	21.0	18.9	16.8	16.1	14.4
55°	45.2	45.2	50.0	45.1	39.7	33.2	29.2	25.4	20.9	19.3	16.5
52.5°	52.7	53.7	57.8	60.5	56.3	46.3	42.0	32.5	28.8	22.9	20.0
50°	65.4	71.2	72.0	78.4	75.1	68.4	56.3	46.4	37.4	28.1	23.8
47.5°	99.1	104.6	99.1	104.2	99.3	93.9	79.2	63.1	46.7	36.7	27.8
45°	190.1	158.6	153.5	144.7	133.3	126.9	107.1	81.3	63.4	46.3	31.9
42.5°	317.0	272.4	247.0	193.8	188.1	165.6	139.8	110.5	81.4	56.5	39.0
40°	495.2	428.8	369.3	308.8	256.2	209.2	181.7	143.7	100.6	69.6	48.3
37.5°	668.2	589.4	520.9	431.0	343.2	280.6	227.6	179.2	125.4	88.4	57.9
35°	812.1	738.5	646.7	550.3	458.0	353.2	276.9	219.0	158.6	108.0	67.8
32.5°	930.2	855.8	750.5	653.0	549.5	425.8	336.9	261.3	192.3	128.5	78.1
30°	1018.5	947.6	847.5	733.7	623.7	501.4	397.1	301.5	226.4	149.7	90.0
27.5°	1109.9	1041.8	941.4	815.7	687.9	566.3	446.5	339.6	260.7	171.6	105.7
25°	1201.3	1131.4	1038.5	906.3	752.1	617.4	491.3	375.9	293.3	194.4	120.5
22.5°	1281.2	1214.1	1135.2	1002.0	824.7	666.8	533.4	415.1	315.3	215.5	134.5
20°	1354.7	1284.3	1225.7	1083.2	903.6	726.0	574.6	445.6	335.8	234.8	147.5
17.5°	1459.7	1346.7	1273.0	1145.5	978.0	786.9	617.1	474.4	354.6	252.2	159.6
15°	1699.8	1408.0	1319.5	1200.4	1038.5	844.3	659.7	502.2	371.6	267.8	170.2
12.5°	1919.4	1466.1	1368.2	1247.4	1084.1	894.5	701.5	528.4	386.9	282.5	179.3
10°	2141.3	1522.4	1415.9	1292.9	1123.1	937.9	741.7	555.5	405.8	296.5	187.4
7.5°	2384.5	1577.7	1460.5	1336.4	1156.8	973.4	776.8	586.3	424.1	309.0	194.4
5°	2605.5	1628.7	1506.7	1385.0	1190.9	1001.4	806.8	614.6	440.9	320.0	200.4
2.5°	2760.3	1671.8	1552.2	1430.6	1220.4	1024.0	832.1	640.0	455.9	329.2	205.2
0°	2875.6	1710.0	1593.7	1470.6	1244.7	1041.4	852.8	661.9	468.7	336.6	209.0
-2.5°	2870.8	1742.1	1627.7	1509.2	1289.8	1066.9	866.2	673.4	482.2	346.9	216.6
-5°	2821.8	1770.3	1658.5	1541.8	1327.7	1086.8	875.2	681.1	493.2	355.0	222.9
-7.5°	2761.1	1801.9	1687.6	1568.1	1356.8	1100.1	879.7	685.2	501.6	360.9	227.9
-10°	2661.1	1833.0	1714.5	1580.7	1362.7	1108.0	881.1	686.0	507.2	364.4	231.3
-12.5°	2537.6	1861.4	1737.4	1585.8	1359.6	1111.8	887.0	685.1	509.4	365.5	233.0
-15°	2373.2	1899.4	1765.5	1584.3	1350.5	1110.4	886.4	680.4	505.3	362.8	233.0
-17.5°	2141.5	1927.9	1792.1	1578.9	1336.6	1104.0	879.0	670.3	498.2	356.1	230.7
-20°	2113.8	1954.2	1806.9	1561.9	1317.1	1090.2	864.2	654.6	488.1	347.2	226.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2133.0	1984.1	1799.9	1533.2	1293.2	1070.0	843.0	633.7	474.9	335.9	220.4
-25°	2137.1	2012.6	1789.6	1517.6	1265.6	1041.6	818.3	613.3	458.6	322.5	213.1
-27.5°	2135.4	2007.5	1773.4	1484.7	1235.2	1006.7	791.0	598.8	445.2	306.8	204.2
-30°	2130.3	1953.5	1716.2	1437.0	1193.2	967.3	759.2	580.9	430.2	294.3	193.9
-32.5°	2100.9	1893.1	1642.7	1382.9	1143.3	922.9	724.1	559.0	411.9	283.7	187.4
-35°	2023.8	1811.2	1567.6	1320.6	1088.2	880.0	689.6	533.2	390.3	270.6	181.8
-37.5°	1939.4	1709.4	1491.5	1252.6	1027.7	831.9	657.6	505.2	365.5	254.8	175.5
-40°	1817.2	1598.5	1391.0	1176.3	965.9	778.1	620.7	473.8	343.0	236.4	167.6
-42.5°	1689.0	1482.2	1284.8	1086.4	899.4	729.6	579.1	438.1	318.9	222.5	158.2
-45°	1559.1	1362.2	1174.0	998.0	828.3	675.4	534.0	399.6	291.6	210.0	151.0
-47.5°	1421.8	1238.8	1065.9	903.5	760.8	615.8	481.9	365.2	261.6	195.6	148.2
-50°	1280.3	1112.8	956.4	815.6	683.8	551.4	427.6	327.1	242.8	179.4	144.7
-52.5°	1137.3	985.6	851.9	727.5	603.3	481.2	378.4	286.5	222.3	170.9	140.8
-55°	991.3	867.9	751.8	635.0	518.7	418.4	325.9	259.2	199.9	165.5	136.5
-57.5°	864.5	756.4	646.4	537.7	441.6	355.1	285.4	230.6	189.1	159.4	133.7
-60°	739.5	637.8	536.1	449.7	368.4	302.2	251.9	207.1	181.3	153.4	130.6
-62.5°	609.4	519.1	440.6	365.6	308.8	262.2	221.2	196.5	172.4	148.9	127.0
-65°	487.4	415.1	348.1	305.0	262.6	227.6	208.0	185.2	165.1	143.9	123.0
-67.5°	370.9	331.0	291.3	252.7	230.3	212.1	194.0	175.9	158.0	138.5	118.8
-70°	304.2	268.6	245.8	229.1	212.8	196.7	182.8	167.2	150.5	133.2	114.3
-72.5°	256.7	240.4	224.7	209.9	197.2	184.3	171.8	158.2	143.4	127.6	109.6
-75°	231.8	218.5	206.6	194.8	183.1	171.6	161.2	149.7	136.0	121.7	104.6
-77.5°	212.4	200.8	190.2	180.0	170.1	160.5	151.0	140.8	128.3	115.3	99.4
-80°	193.9	184.2	175.1	165.9	157.5	149.2	140.3	131.2	120.0	108.6	94.0
-82.5°	176.3	168.0	159.6	151.2	143.7	136.2	128.7	121.3	111.4	101.5	88.8
-85°	158.0	150.9	143.4	135.9	129.4	122.9	117.7	112.2	104.0	95.7	84.4
-87.5°	143.1	137.3	131.3	125.3	120.2	115.2	110.0	104.7	97.2	89.7	79.8
-90°	4.5	4.5	4.5	4.5	4.5	4.5	5.1	5.6	5.6	5.6	5.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	66.6	55.3	44.0	31.0	18.1	11.8	5.6
87.5°	5.9	5.9	5.8	5.8	5.8	5.8	5.6
85°	6.2	6.1	6.0	6.1	6.0	5.9	5.6
82.5°	6.5	6.4	6.2	6.3	6.2	6.1	5.6
80°	6.8	6.6	6.5	6.5	6.4	6.2	5.6
77.5°	7.1	6.9	6.7	6.8	6.6	6.4	5.6
75°	7.4	7.3	6.9	7.0	6.8	6.5	5.6
72.5°	7.8	7.7	7.3	7.2	7.0	6.7	5.6
70°	8.2	8.1	7.7	7.5	7.3	6.8	5.6
67.5°	8.8	8.5	8.1	7.8	7.5	7.0	5.6
65°	9.5	9.0	8.5	8.1	7.7	7.1	5.6
62.5°	10.2	9.7	8.9	8.4	8.0	7.3	5.6
60°	11.0	10.4	9.3	8.7	8.2	7.4	5.6
57.5°	12.8	11.1	10.0	9.0	8.5	7.5	5.6
55°	14.9	11.8	10.9	9.3	8.9	7.7	5.6
52.5°	17.2	12.8	11.7	9.6	9.2	7.8	5.6
50°	19.6	15.1	12.6	9.8	9.6	8.0	5.6
47.5°	22.3	17.6	13.6	10.2	10.0	8.1	5.6
45°	25.9	20.2	14.6	11.0	10.5	8.3	5.6
42.5°	29.5	22.8	15.7	11.8	10.9	8.4	5.6
40°	33.4	25.5	17.3	12.9	11.4	8.6	5.6
37.5°	37.7	28.3	19.4	14.3	11.9	8.7	5.6
35°	42.0	31.5	21.6	15.7	12.5	8.8	5.6
32.5°	47.6	35.0	23.7	17.1	13.0	9.0	5.6
30°	56.0	38.4	25.8	18.6	13.6	9.1	5.6
27.5°	64.3	41.9	28.5	20.1	14.2	9.2	5.6
25°	72.4	45.3	31.3	21.6	14.7	9.3	5.6
22.5°	80.4	48.8	33.9	23.1	15.3	9.4	5.6
20°	88.1	52.4	36.5	24.7	15.9	9.6	5.6
17.5°	95.2	55.9	38.9	26.2	16.5	9.7	5.6
15°	101.5	59.3	41.3	27.8	17.1	9.8	5.6
12.5°	107.3	62.5	43.6	29.3	17.7	9.8	5.6
10°	112.5	65.5	45.7	30.8	18.3	9.9	5.6
7.5°	117.2	68.4	47.7	32.2	18.8	10.0	5.6
5°	121.3	71.0	49.7	33.6	19.3	10.1	5.6
2.5°	124.7	73.5	51.4	34.9	19.8	10.1	5.6
0°	127.6	75.7	53.1	36.1	20.3	10.2	5.6
-2.5°	131.7	78.8	55.4	37.7	21.4	10.6	5.6
-5°	135.1	81.7	57.6	39.2	22.4	11.1	5.6
-7.5°	137.9	84.4	59.6	40.6	23.4	11.5	5.6
-10°	140.1	86.8	61.5	41.9	24.3	11.9	5.6
-12.5°	141.5	88.9	63.2	43.1	25.2	12.3	5.6
-15°	142.2	90.8	64.8	44.2	26.0	12.6	5.6
-17.5°	142.2	92.3	66.1	45.2	26.7	13.0	5.6
-20°	141.6	93.6	67.3	46.1	27.4	13.3	5.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	140.5	94.6	68.3	46.8	28.0	13.6	5.6
-25°	138.6	95.4	69.1	47.5	28.6	13.9	5.6
-27.5°	135.8	96.0	69.6	48.0	29.1	14.2	5.6
-30°	132.2	96.4	70.1	48.5	29.4	14.4	5.6
-32.5°	127.8	96.4	70.6	48.8	29.8	14.6	5.6
-35°	126.0	96.1	70.9	49.0	30.0	14.8	5.6
-37.5°	125.3	95.7	71.1	49.1	30.1	14.9	5.6
-40°	124.2	95.7	71.1	49.1	30.2	15.1	5.6
-42.5°	122.7	95.4	71.0	49.0	30.2	15.2	5.6
-45°	120.8	94.9	70.9	48.9	30.1	15.2	5.6
-47.5°	118.4	94.1	70.7	48.8	29.9	15.3	5.6
-50°	116.8	93.1	70.2	48.5	29.6	15.3	5.6
-52.5°	115.1	91.9	69.6	48.2	29.3	15.2	5.6
-55°	113.1	90.6	68.8	47.7	28.9	15.2	5.6
-57.5°	110.8	89.1	67.8	47.0	28.4	15.1	5.6
-60°	108.3	87.3	66.7	46.3	27.8	15.0	5.6
-62.5°	105.6	85.3	65.4	45.4	27.3	14.9	5.6
-65°	102.6	83.1	63.9	44.4	26.8	14.7	5.6
-67.5°	99.3	80.6	62.2	43.2	26.2	14.5	5.6
-70°	95.7	78.0	60.4	42.0	25.5	14.3	5.6
-72.5°	92.0	75.1	58.4	40.9	24.8	14.1	5.6
-75°	88.2	72.1	56.3	39.8	24.0	13.8	5.6
-77.5°	84.1	68.9	54.5	38.5	23.1	13.5	5.6
-80°	79.8	66.2	52.6	37.2	22.2	13.2	5.6
-82.5°	76.6	63.6	50.6	35.8	21.2	12.9	5.6
-85°	73.4	61.0	48.5	34.3	20.2	12.6	5.6
-87.5°	70.1	58.2	46.3	32.7	19.2	12.2	5.6
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)