

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: P1305768 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-2S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

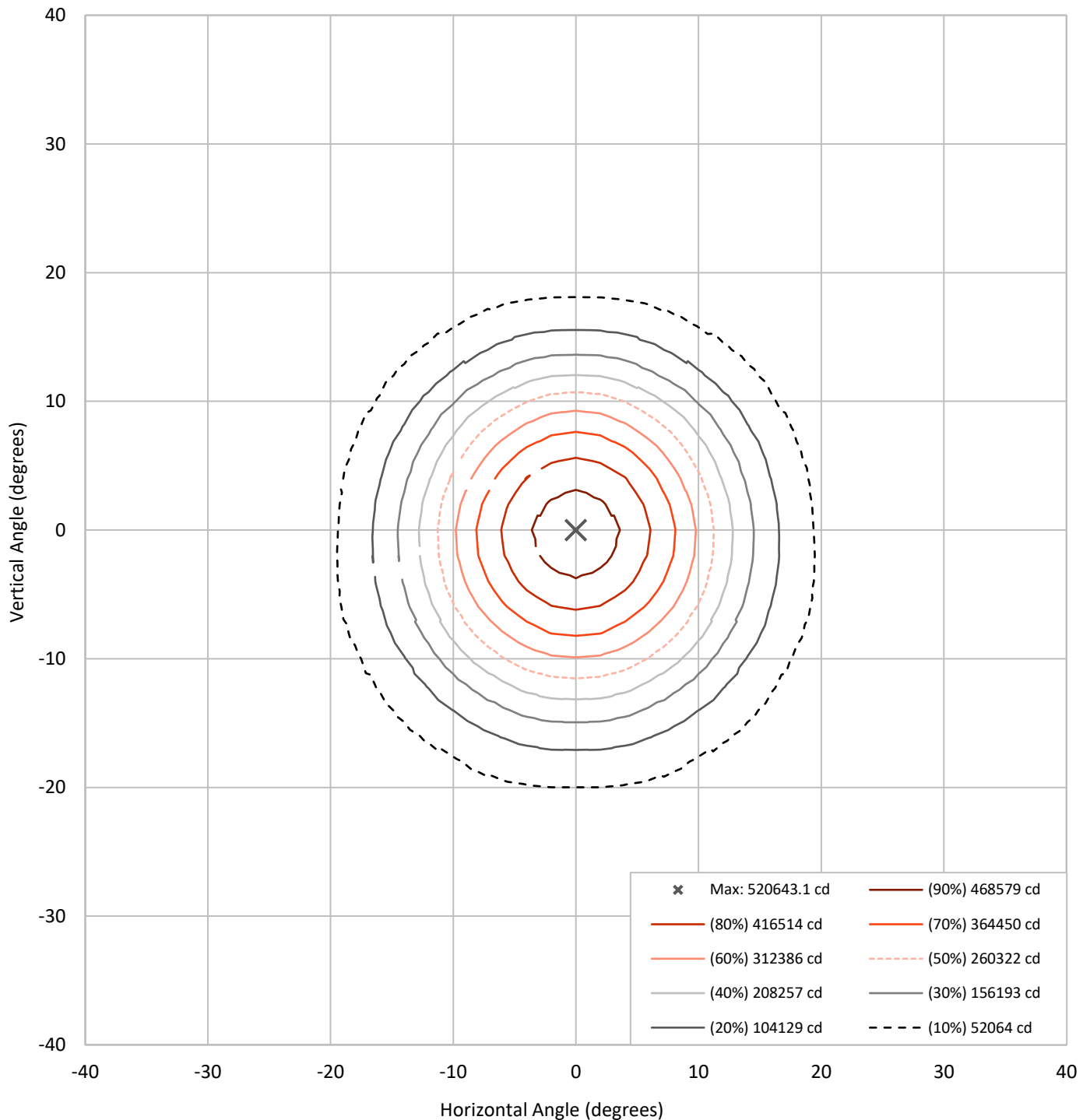
Test Method: LM-79-08  
Report Number: P1305768 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-40-80-2S-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 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:	91000.7 lumens	Max Intensity:	520643.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.0 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:	42523.1 lumens	Field Lumens:	75754 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



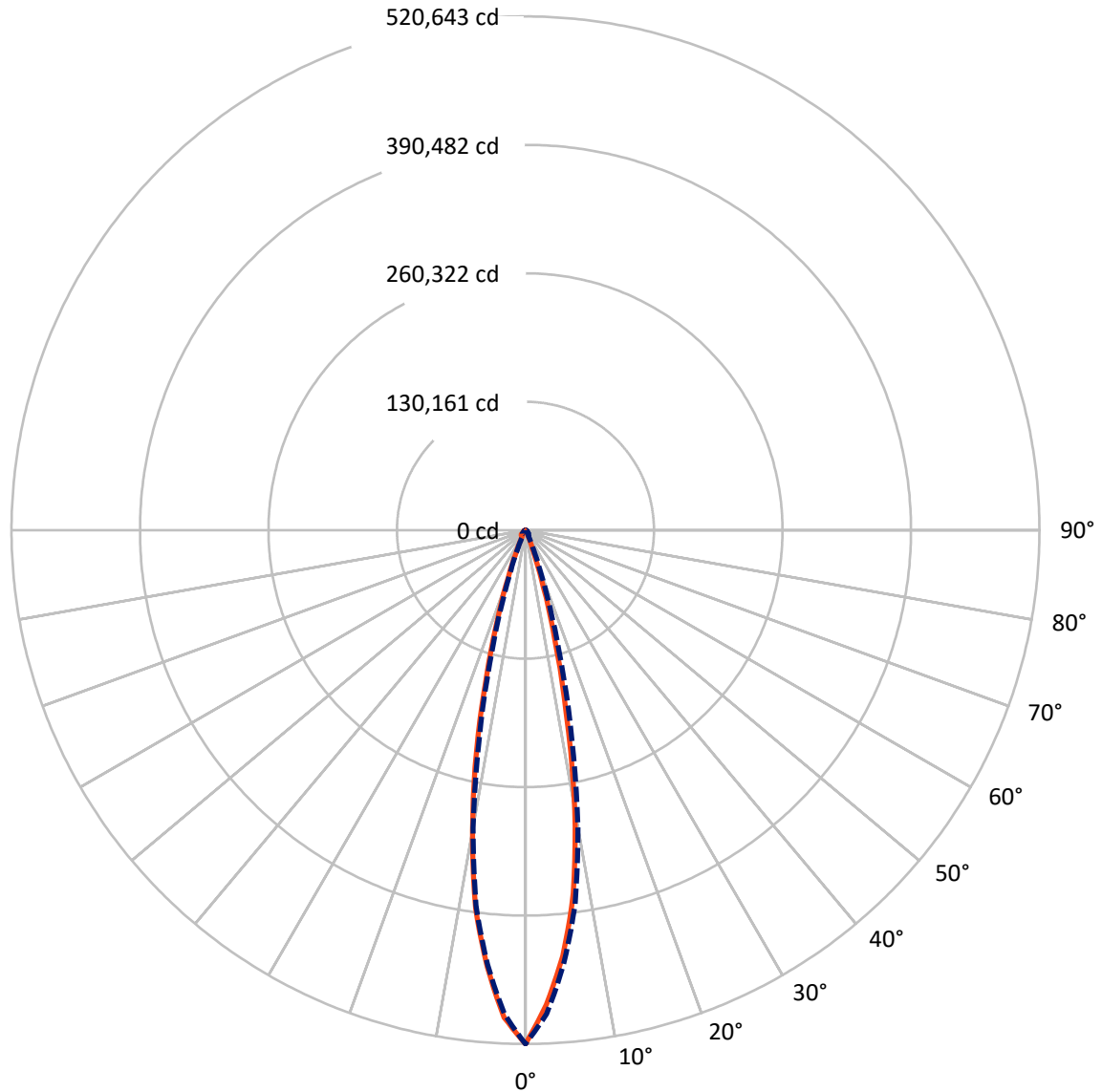
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### Lumen Table

90	0.2	0.7	1.3	1.9	2.4	1.9	1.3	0.7	0.2										
80	0.2	0.7	1.3	1.9	2.4	1.9	1.3	0.7	0.2										
70	0.2	0.1	0.2	0.7	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.9	0.7	0.2	0.1	0.2			
60		0.3	0.8	1.1	0.9	0.8	0.9	1.0	1.0	0.9	0.8	0.9	1.1	0.8	0.3				
50	0.7	1.1	2.7	5.4	9.5	15.7	24.0	28.3	28.3	24.0	15.7	9.5	5.4	2.7	1.1	0.7			
40		2.8	9.0	17.3	33.9	59.0	71.7	79.5	79.5	71.7	59.0	33.9	17.3	9.0	2.8				
30	1.8	4.9	14.8	31.6	77.3	90.0	124.1	226.7	226.7	124.1	90.0	77.3	31.6	14.8	4.9	1.8			
20		6.5	19.3	55.4	109.0	160.2	1016.1	3277.4	3277.4	1016.1	160.2	109.0	55.4	19.3	6.5				
10	2.6	7.8	22.3	72.4	124.9	358.2	3599.7	10821.4	10821.4	3599.7	358.2	124.9	72.4	22.3	7.8	2.6			
0		8.6	24.6	76.4	137.4	410.7	3920.4	11253.9	11253.9	3920.4	410.7	137.4	76.4	24.6	8.6				
-10	2.8	8.7	25.7	73.7	144.6	235.1	1436.8	4209.1	4209.1	1436.8	235.1	144.6	73.7	25.7	8.7	2.8			
-20		8.0	25.2	56.3	136.3	186.9	259.7	519.3	519.3	259.7	186.9	136.3	56.3	25.2	8.0				
-30	2.3	6.8	22.1	44.1	95.3	167.8	196.6	206.2	206.2	196.6	167.8	95.3	44.1	22.1	6.8	2.3			
-40		5.2	16.7	35.6	56.9	87.4	132.9	166.8	166.8	132.9	87.4	56.9	35.6	16.7	5.2				
-50	1.9	3.4	10.6	23.3	39.8	53.9	64.3	71.0	71.0	64.3	53.9	39.8	23.3	10.6	3.4	1.9			
-60		2.3	5.4	11.7	20.3	28.5	35.9	40.4	40.4	35.9	28.5	20.3	11.7	5.4	2.3				
-70	1.3	8.3	20.2	33.7	41.3	33.7	20.2	8.3	1.3							1.3			
-80		8.3	20.2	33.7	41.3	33.7	20.2	8.3	1.3										
-90	1.3	8.3	20.2	33.7	41.3	33.7	20.2	8.3	1.3										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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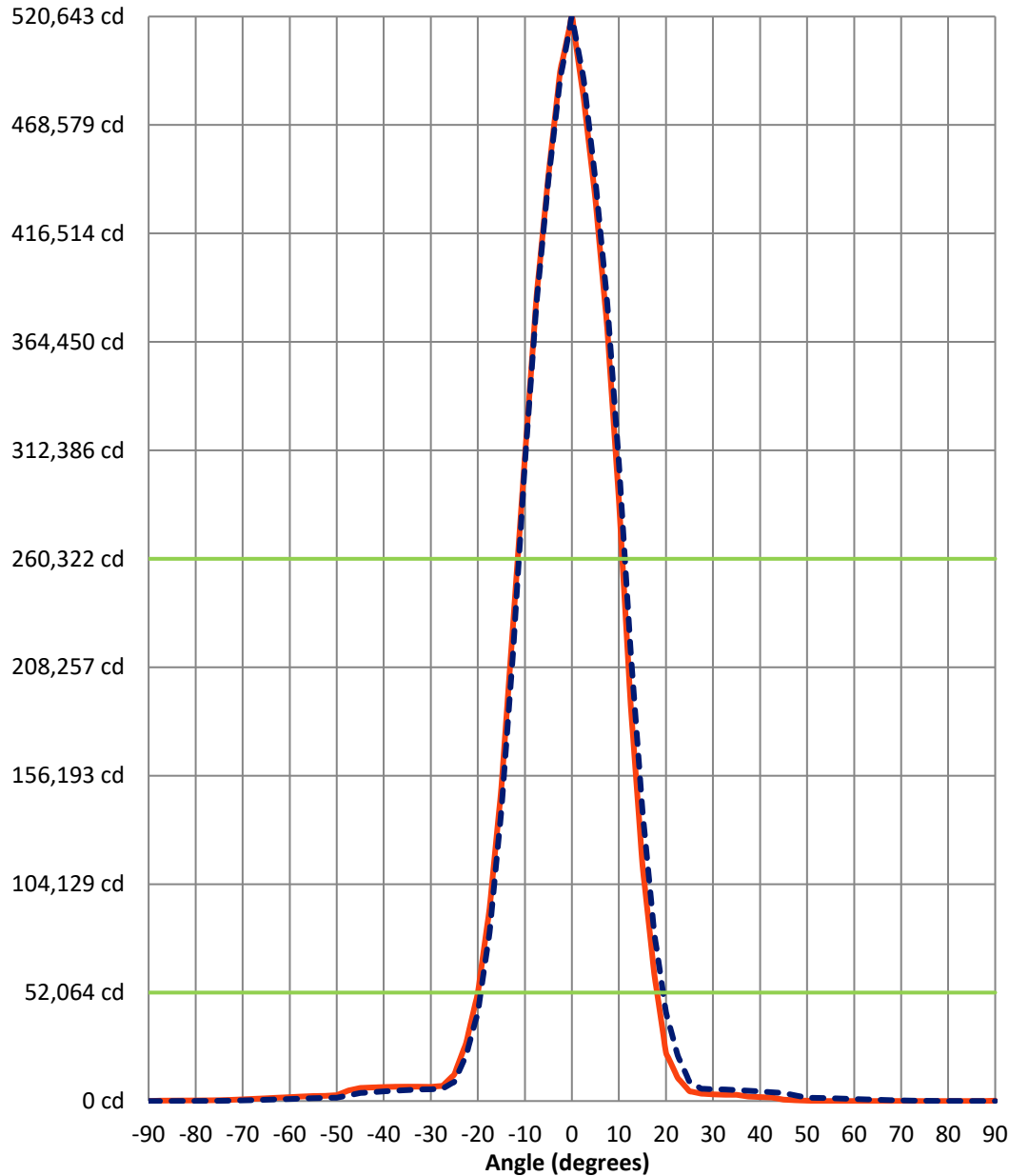
### Luminous Intensity Polar Plot



— 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: 42523.1  
Efficiency: 46.7%

**Field:**  
H Angle: 38.8°  
V Angle: 38.1°  
Lumens: 75754  
Efficiency: 83.2%

**Spill:**  
Lumens: 15246.7  
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°	5.3	11.1	17.0	29.2	41.4	52.0	62.7	70.7	78.6	85.0	91.4
87.5°	5.3	5.4	5.5	5.5	5.5	5.5	5.6	5.5	5.3	5.3	5.3
85°	5.3	5.6	5.7	5.7	5.7	5.8	5.9	5.6	5.3	5.3	5.3
82.5°	5.3	5.7	5.9	5.9	5.9	6.0	6.2	5.8	5.4	5.5	5.6
80°	5.3	5.9	6.0	6.1	6.1	6.2	6.4	6.2	6.1	6.2	6.1
77.5°	5.3	6.0	6.2	6.4	6.3	6.5	6.7	6.7	6.8	6.8	6.6
75°	5.3	6.1	6.4	6.6	6.5	6.9	7.0	7.1	7.4	7.3	7.1
72.5°	5.3	6.3	6.6	6.8	6.9	7.2	7.3	7.5	7.9	7.8	7.5
70°	5.3	6.4	6.8	7.0	7.3	7.6	7.7	8.1	8.3	8.2	8.1
67.5°	5.3	6.6	7.0	7.3	7.7	8.0	8.3	8.6	8.8	9.0	8.8
65°	5.3	6.7	7.2	7.6	8.0	8.5	9.0	9.2	9.9	9.8	9.8
62.5°	5.3	6.8	7.5	7.9	8.4	9.1	9.6	10.4	11.2	10.9	11.4
60°	5.3	7.0	7.7	8.2	8.8	9.8	10.3	11.9	12.5	13.1	13.3
57.5°	5.3	7.1	8.0	8.5	9.5	10.4	12.1	13.5	15.1	15.8	17.8
55°	5.3	7.2	8.3	8.7	10.2	11.1	14.1	15.5	18.2	19.7	23.9
52.5°	5.3	7.4	8.7	9.0	11.0	12.0	16.2	18.8	21.6	27.1	30.6
50°	5.3	7.5	9.0	9.3	11.9	14.3	18.4	22.4	26.4	35.2	43.7
47.5°	5.3	7.7	9.4	9.6	12.8	16.6	21.0	26.2	34.6	43.9	59.3
45°	5.3	7.8	9.8	10.4	13.8	19.0	24.3	30.1	43.6	59.7	76.5
42.5°	5.3	7.9	10.3	11.1	14.8	21.5	27.8	36.7	53.2	76.6	104.0
40°	5.3	8.1	10.7	12.2	16.3	24.0	31.5	45.4	65.6	94.7	135.2
37.5°	5.3	8.2	11.2	13.4	18.3	26.6	35.5	54.5	83.2	118.0	168.6
35°	5.3	8.3	11.7	14.7	20.3	29.7	39.5	63.8	101.6	149.2	206.1
32.5°	5.3	8.4	12.2	16.1	22.3	32.9	44.8	73.5	120.9	180.9	245.9
30°	5.3	8.5	12.8	17.5	24.2	36.1	52.7	84.7	140.8	213.0	283.7
27.5°	5.3	8.7	13.3	18.9	26.8	39.4	60.5	99.4	161.4	245.3	319.5
25°	5.3	8.8	13.9	20.3	29.4	42.6	68.1	113.4	182.9	275.9	353.6
22.5°	5.3	8.9	14.4	21.8	31.9	45.8	75.6	126.5	202.7	296.6	390.5
20°	5.3	9.0	15.0	23.2	34.3	49.3	82.9	138.7	220.9	315.9	419.2
17.5°	5.3	9.1	15.6	24.7	36.6	52.6	89.5	150.1	237.2	333.5	446.3
15°	5.3	9.2	16.1	26.1	38.8	55.8	95.5	160.1	251.9	349.6	472.4
12.5°	5.3	9.3	16.7	27.6	40.9	58.8	101.0	168.7	265.7	363.9	497.1
10°	5.3	9.3	17.2	29.0	43.0	61.6	105.9	176.2	278.9	381.7	522.6
7.5°	5.3	9.4	17.7	30.3	44.9	64.3	110.3	182.9	290.7	399.0	551.6
5°	5.3	9.5	18.2	31.6	46.7	66.8	114.1	188.5	301.0	414.8	578.2
2.5°	5.3	9.5	18.7	32.8	48.3	69.1	117.4	193.0	309.7	428.9	602.1
0°	5.3	9.6	19.1	34.0	49.9	71.2	120.1	196.6	316.6	441.0	622.7
-2.5°	5.3	10.0	20.1	35.5	52.1	74.2	123.9	203.8	326.3	453.7	633.5
-5°	5.3	10.4	21.1	36.9	54.1	76.9	127.2	209.7	333.9	464.0	640.8
-7.5°	5.3	10.8	22.0	38.2	56.1	79.4	129.8	214.4	339.5	471.9	644.7
-10°	5.3	11.2	22.9	39.4	57.8	81.7	131.8	217.6	342.8	477.1	645.3
-12.5°	5.3	11.5	23.7	40.6	59.4	83.7	133.1	219.3	343.9	479.2	644.6
-15°	5.3	11.9	24.4	41.6	60.9	85.4	133.8	219.3	341.4	475.4	640.1
-17.5°	5.3	12.2	25.2	42.5	62.2	86.9	133.8	217.0	335.1	468.8	630.6
-20°	5.3	12.5	25.8	43.4	63.3	88.1	133.2	212.9	326.6	459.2	615.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.3	12.8	26.4	44.1	64.2	89.0	132.2	207.4	316.1	446.8	596.2
-25°	5.3	13.1	26.9	44.7	64.9	89.7	130.4	200.4	303.4	431.5	577.0
-27.5°	5.3	13.3	27.3	45.2	65.5	90.3	127.8	192.1	288.6	418.9	563.4
-30°	5.3	13.6	27.7	45.6	65.9	90.6	124.4	182.4	276.8	404.8	546.5
-32.5°	5.3	13.7	28.0	45.9	66.4	90.6	120.2	176.3	266.9	387.5	525.9
-35°	5.3	13.9	28.2	46.1	66.7	90.3	118.6	171.0	254.5	367.2	501.7
-37.5°	5.3	14.1	28.3	46.2	66.9	90.0	117.9	165.1	239.7	343.8	475.3
-40°	5.3	14.2	28.4	46.1	66.9	90.0	116.8	157.7	222.4	322.6	445.8
-42.5°	5.3	14.3	28.4	46.1	66.8	89.7	115.4	148.9	209.3	300.1	412.2
-45°	5.3	14.3	28.3	46.0	66.7	89.2	113.6	142.1	197.6	274.4	376.0
-47.5°	5.3	14.4	28.1	45.9	66.5	88.5	111.3	139.4	184.0	246.1	343.6
-50°	5.3	14.4	27.9	45.6	66.1	87.6	109.8	136.2	168.8	228.5	307.8
-52.5°	5.3	14.3	27.6	45.3	65.5	86.5	108.3	132.4	160.8	209.1	269.6
-55°	5.3	14.3	27.2	44.8	64.7	85.3	106.4	128.4	155.7	188.1	243.9
-57.5°	5.3	14.2	26.7	44.3	63.8	83.9	104.3	125.8	150.0	177.9	217.0
-60°	5.3	14.1	26.1	43.5	62.7	82.2	101.9	122.8	144.3	170.6	194.9
-62.5°	5.3	14.0	25.7	42.7	61.5	80.3	99.4	119.4	140.1	162.3	184.8
-65°	5.3	13.8	25.2	41.8	60.1	78.1	96.5	115.7	135.4	155.4	174.2
-67.5°	5.3	13.7	24.6	40.7	58.6	75.8	93.4	111.8	130.3	148.7	165.5
-70°	5.3	13.5	24.0	39.5	56.8	73.3	90.0	107.6	125.4	141.6	157.3
-72.5°	5.3	13.2	23.3	38.5	55.0	70.7	86.6	103.1	120.1	134.9	148.9
-75°	5.3	13.0	22.5	37.4	53.0	67.8	82.9	98.4	114.6	128.0	140.8
-77.5°	5.3	12.7	21.7	36.2	51.2	64.8	79.1	93.5	108.5	120.7	132.4
-80°	5.3	12.4	20.8	35.0	49.5	62.3	75.0	88.3	102.1	112.9	123.4
-82.5°	5.3	12.1	19.9	33.7	47.6	59.9	72.0	83.5	95.5	104.8	114.1
-85°	5.3	11.8	19.0	32.3	45.7	57.4	69.0	79.3	90.0	97.8	105.5
-87.5°	5.3	11.5	18.0	30.8	43.6	54.8	65.9	75.1	84.4	91.5	98.5
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	96.2	100.9	105.2	109.4	114.2	119.0	124.3	129.6	135.0	140.3	144.6
87.5°	5.0	4.8	4.8	4.9	4.6	4.3	4.3	4.3	3.8	3.2	3.2
85°	5.3	5.3	5.3	5.3	4.9	4.6	4.5	4.3	4.0	3.8	3.8
82.5°	5.7	5.8	5.7	5.3	5.2	5.2	4.9	4.5	4.5	4.6	4.5
80°	6.2	6.4	6.0	5.7	5.6	5.4	5.2	5.1	5.2	5.3	5.0
77.5°	6.6	6.5	6.3	6.3	6.0	5.6	5.7	5.9	5.8	5.4	5.3
75°	6.9	6.6	6.5	6.5	6.3	6.3	6.4	6.4	6.2	6.0	5.9
72.5°	7.3	7.1	6.9	6.6	6.6	6.5	6.4	6.4	7.4	8.9	10.0
70°	7.9	7.7	7.5	7.3	7.1	7.1	8.4	10.8	13.4	15.5	18.2
67.5°	8.5	8.4	8.1	8.1	8.6	9.9	11.8	18.8	25.9	28.4	29.7
65°	9.5	9.3	9.3	9.9	10.5	15.9	23.0	31.3	40.0	41.7	40.0
62.5°	10.7	11.8	11.5	13.4	18.2	24.8	33.7	43.1	53.1	50.8	42.4
60°	14.6	15.4	17.1	21.2	26.6	34.1	44.0	48.0	52.2	53.0	41.1
57.5°	19.8	22.0	26.0	30.3	37.6	41.7	43.1	43.2	49.3	49.7	37.7
55°	27.5	31.3	37.4	42.5	47.1	42.5	42.5	46.4	48.5	44.8	33.6
52.5°	39.6	43.6	53.0	56.9	54.4	50.6	49.6	53.0	51.1	45.6	38.8
50°	52.9	64.3	70.6	73.7	67.8	67.0	61.6	64.7	66.7	63.7	66.6
47.5°	74.5	88.4	93.4	98.1	93.2	98.4	93.2	108.4	108.8	146.2	150.5
45°	100.7	119.4	125.4	136.2	144.4	149.2	178.8	180.8	260.3	291.5	358.5
42.5°	131.5	155.8	176.9	182.3	232.4	256.3	298.2	374.9	448.2	511.4	547.1
40°	170.9	196.8	241.1	290.5	347.3	403.4	465.9	555.9	633.4	667.4	685.4
37.5°	214.2	263.9	322.8	405.4	490.0	554.4	628.6	713.3	764.8	782.8	786.9
35°	260.6	332.3	430.9	517.7	608.3	694.8	764.0	844.9	862.2	876.5	956.2
32.5°	317.0	400.6	516.9	614.3	706.0	805.1	875.1	922.9	950.5	1003.1	1262.9
30°	373.6	471.7	586.8	690.3	797.3	891.4	958.1	1004.6	1036.1	1284.4	1823.7
27.5°	420.0	532.8	647.2	767.4	885.6	980.1	1044.1	1086.5	1269.9	1681.5	2512.0
25°	462.2	580.8	707.6	852.6	977.0	1064.4	1130.1	1172.0	1582.2	2422.9	2998.8
22.5°	501.8	627.3	775.9	942.7	1067.9	1142.2	1205.3	1432.5	2053.7	3174.1	3483.9
20°	540.5	683.1	850.1	1019.0	1153.1	1208.2	1274.4	1724.5	2660.2	3463.3	3802.6
17.5°	580.6	740.3	920.0	1077.6	1197.6	1267.0	1373.1	2007.8	3172.2	3716.4	3961.8
15°	620.7	794.3	977.0	1129.2	1241.3	1324.6	1599.0	2413.7	3489.5	3994.5	4225.8
12.5°	660.0	841.5	1019.9	1173.5	1287.1	1379.2	1805.7	2833.2	3776.1	4267.7	4573.7
10°	697.8	882.4	1056.5	1216.3	1332.0	1432.3	2014.4	3243.4	4034.9	4445.8	4702.4
7.5°	730.8	915.7	1088.3	1257.2	1374.0	1484.3	2243.3	3515.5	4145.1	4559.0	4767.5
5°	759.0	942.1	1120.4	1303.0	1417.5	1532.2	2451.2	3694.9	4187.0	4628.8	4835.6
2.5°	782.7	963.3	1148.1	1345.8	1460.3	1572.7	2596.8	3808.7	4215.5	4655.6	4902.5
0°	802.2	979.7	1171.0	1383.5	1499.3	1608.7	2705.3	3863.5	4224.8	4645.6	4965.4
-2.5°	814.8	1003.7	1213.4	1419.8	1531.3	1638.9	2700.8	3895.8	4236.3	4699.3	5208.3
-5°	823.3	1022.4	1249.0	1450.4	1560.3	1665.4	2654.6	3872.2	4261.9	4780.8	5367.0
-7.5°	827.6	1035.0	1276.4	1475.2	1587.7	1695.1	2597.6	3817.7	4392.9	4948.5	5466.5
-10°	829.0	1042.4	1282.0	1487.1	1613.0	1724.4	2503.5	3703.3	4496.3	5018.7	5495.4
-12.5°	834.5	1046.0	1279.0	1491.9	1634.6	1751.1	2387.2	3627.5	4635.3	5062.0	5484.9
-15°	833.9	1044.6	1270.5	1490.5	1660.9	1786.9	2232.6	3448.5	4720.0	5071.8	5456.7
-17.5°	826.9	1038.6	1257.4	1485.4	1686.0	1813.7	2014.6	3080.3	4478.0	5028.8	5423.4
-20°	813.0	1025.6	1239.1	1469.3	1699.9	1838.5	1988.6	2758.0	3979.8	4915.1	5360.5



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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°	793.1	1006.5	1216.6	1442.3	1693.3	1866.6	2006.7	2444.4	3487.7	4746.6	5258.5
-25°	769.8	979.9	1190.6	1427.7	1683.6	1893.4	2010.5	2153.0	3059.6	4188.5	5082.8
-27.5°	744.1	947.0	1162.0	1396.8	1668.4	1888.5	2009.0	2143.5	2603.6	3502.0	4803.1
-30°	714.2	910.0	1122.5	1351.9	1614.6	1837.8	2004.2	2115.5	2256.0	2963.6	4073.2
-32.5°	681.1	868.3	1075.6	1301.0	1545.4	1781.0	1976.5	2093.1	2216.4	2458.6	3353.1
-35°	648.7	827.9	1023.7	1242.4	1474.8	1703.9	1903.9	2069.5	2173.0	2309.2	2717.4
-37.5°	618.7	782.6	966.9	1178.4	1403.1	1608.2	1824.5	2003.9	2145.6	2244.4	2409.5
-40°	583.9	732.0	908.7	1106.7	1308.6	1503.8	1709.5	1911.3	2085.4	2215.5	2314.0
-42.5°	544.8	686.4	846.2	1022.1	1208.7	1394.4	1588.9	1788.8	1980.0	2151.4	2273.4
-45°	502.4	635.4	779.2	938.8	1104.5	1281.6	1466.8	1655.9	1845.6	2034.7	2185.2
-47.5°	453.4	579.3	715.7	850.0	1002.7	1165.4	1337.6	1515.4	1690.9	1873.4	2046.6
-50°	402.3	518.7	643.3	767.3	899.8	1046.8	1204.5	1370.6	1537.0	1705.5	1872.5
-52.5°	356.0	452.7	567.5	684.4	801.5	927.1	1069.9	1221.4	1378.4	1537.3	1683.4
-55°	306.6	393.6	488.0	597.4	707.2	816.5	932.5	1069.7	1211.9	1359.3	1490.3
-57.5°	268.6	334.1	415.4	505.9	608.1	711.6	813.3	916.3	1043.4	1174.5	1284.6
-60°	237.0	284.3	346.6	423.0	504.4	600.1	695.7	791.4	889.7	983.5	1085.3
-62.5°	208.1	246.6	290.5	343.9	414.5	488.3	573.3	661.4	751.4	832.3	907.1
-65°	195.7	214.1	247.0	286.9	327.4	390.5	458.5	527.9	606.0	677.7	745.1
-67.5°	182.5	199.6	216.7	237.7	274.1	311.4	348.9	410.2	471.4	526.9	581.9
-70°	171.9	185.1	200.2	215.5	231.3	252.7	286.2	320.9	355.5	393.8	440.2
-72.5°	161.6	173.4	185.5	197.4	211.4	226.2	241.5	257.2	281.2	310.7	337.2
-75°	151.6	161.4	172.3	183.3	194.4	205.6	218.1	232.6	246.9	261.2	274.6
-77.5°	142.1	151.0	160.0	169.4	179.0	188.9	199.8	211.2	223.1	234.8	245.3
-80°	132.0	140.4	148.2	156.1	164.7	173.3	182.4	191.8	202.1	212.9	222.3
-82.5°	121.1	128.1	135.2	142.2	150.1	158.0	165.8	173.7	182.2	191.0	198.7
-85°	110.7	115.6	121.8	127.9	134.9	141.9	148.6	155.3	162.7	170.1	176.1
-87.5°	103.5	108.3	113.1	117.9	123.5	129.2	134.6	140.1	146.2	152.4	157.1
-90°	4.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2	3.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	148.8	152.0	155.1	156.7	158.3	161.5	164.7	169.5	174.3	179.6	184.9
87.5°	3.2	3.2	3.2	3.1	3.1	2.6	2.1	2.1	2.1	2.1	2.1
85°	3.9	4.0	4.0	3.6	3.2	3.1	3.1	3.1	3.1	2.6	2.1
82.5°	4.3	4.3	4.3	4.1	4.0	3.7	3.2	3.2	3.2	3.2	3.2
80°	4.6	4.5	4.3	4.3	4.3	4.2	4.0	3.7	3.2	3.7	4.2
77.5°	5.3	5.0	4.7	4.6	4.4	4.0	3.6	3.3	3.2	3.3	3.3
75°	5.5	5.6	6.3	6.5	6.3	5.7	4.8	4.7	4.9	4.6	4.3
72.5°	10.8	11.4	11.7	12.7	13.3	13.9	15.1	17.1	19.5	21.8	24.0
70°	21.8	24.8	25.4	25.5	25.5	26.2	27.3	28.6	30.2	31.7	32.9
67.5°	33.4	36.1	36.5	37.1	36.1	34.6	33.2	33.1	35.1	37.3	39.7
65°	40.8	38.1	36.1	35.7	35.0	33.3	30.4	28.4	27.9	27.5	27.6
62.5°	36.7	31.4	29.5	29.1	27.5	25.4	21.7	18.6	17.1	16.2	16.3
60°	31.8	25.6	21.8	20.1	17.5	14.9	12.6	10.3	9.6	9.3	9.4
57.5°	26.2	19.5	15.0	14.4	12.4	9.8	8.0	6.4	6.1	6.1	6.5
55°	24.0	20.5	17.1	16.0	13.7	12.5	10.8	8.6	8.0	8.6	9.5
52.5°	31.1	29.2	27.6	27.7	30.5	28.4	21.1	29.6	34.4	34.4	32.9
50°	68.3	61.4	87.6	84.3	105.4	119.4	108.4	121.7	140.7	154.1	163.5
47.5°	194.8	201.9	233.3	260.5	282.4	306.9	331.7	346.8	350.6	375.4	392.4
45°	392.2	415.8	450.6	468.3	502.7	543.5	572.1	585.0	660.0	753.5	813.8
42.5°	569.2	587.4	614.7	677.0	740.1	879.9	1040.1	1045.7	1190.5	1318.7	1449.9
40°	693.0	727.1	824.7	972.4	1313.2	1579.2	1768.4	1953.9	1984.8	1924.5	1957.4
37.5°	853.2	975.3	1222.6	1620.9	1915.9	2183.0	2290.5	2304.4	2341.9	2365.4	2328.1
35°	1155.2	1562.1	1767.2	2105.8	2320.4	2372.4	2405.0	2437.0	2467.7	2488.7	2511.5
32.5°	1816.8	2320.7	2347.8	2434.8	2474.9	2521.1	2555.6	2575.6	2589.6	2608.0	2670.2
30°	2527.8	2645.2	2655.0	2648.0	2661.7	2692.9	2715.4	2752.2	2788.8	2830.9	2968.8
27.5°	2859.8	2949.7	2921.8	2873.8	2850.0	2874.8	2936.1	2993.3	3099.6	3211.5	3409.5
25°	3227.4	3287.0	3252.8	3167.6	3114.3	3149.4	3241.6	3350.6	3553.9	3733.2	4097.5
22.5°	3621.0	3731.7	3695.9	3670.5	3558.1	3574.9	3647.7	3893.5	4402.2	5207.3	6879.3
20°	3926.2	4061.5	4078.7	4079.3	4055.6	4062.5	4231.6	5024.3	6511.3	11184.1	15326.4
17.5°	4152.5	4231.9	4327.2	4366.3	4412.6	4547.9	5449.3	8191.9	14613.5	23207.9	29789.0
15°	4445.8	4547.4	4650.7	4716.0	4820.7	5564.3	7869.5	16292.6	27970.1	42556.9	61201.6
12.5°	4680.7	4805.8	4887.8	4939.7	5181.0	7137.1	15157.7	27283.5	45503.1	68138.3	101716.6
10°	4810.6	4908.2	5020.0	5199.5	6183.9	10352.6	21375.5	38340.2	66347.8	107119.5	151842.8
7.5°	4875.3	5001.6	5188.6	5461.2	7319.2	15113.0	29737.3	54117.3	92371.6	143140.4	205455.6
5°	4950.5	5184.1	5406.7	5718.8	8200.8	18550.1	36384.2	67573.4	115061.5	177167.3	254126.9
2.5°	5072.2	5423.4	5566.9	5866.7	8731.9	20762.7	40347.8	78097.9	132004.6	204934.3	291339.8
0°	5264.0	5556.2	5642.3	5944.0	9266.7	21857.1	42676.1	80983.9	139551.8	215747.7	305996.2
-2.5°	5480.7	5663.1	5758.6	6095.0	9535.1	22973.5	44507.9	82923.0	137754.4	212145.6	300489.9
-5°	5622.0	5766.9	5859.3	6188.1	9505.7	21857.1	42461.1	77221.7	127245.9	193782.6	272768.8
-7.5°	5718.3	5869.1	5965.9	6267.1	8943.8	18889.0	37503.7	66564.1	108137.0	162705.9	230929.9
-10°	5812.3	5977.0	6103.8	6341.8	7915.9	14419.7	29436.2	50217.7	84569.9	127987.8	178996.9
-12.5°	5897.0	6100.6	6263.7	6373.2	6950.4	10967.8	21632.1	38411.0	60872.7	93283.4	130610.4
-15°	5939.9	6183.4	6366.0	6486.8	6821.5	8672.4	14007.8	25417.2	42498.8	62602.5	86891.3
-17.5°	5866.0	6229.1	6404.9	6537.8	6647.9	7123.6	9881.0	15602.0	26270.9	39440.5	51305.5
-20°	5748.5	6234.2	6433.2	6612.2	6737.3	6867.0	7218.2	9935.9	14276.2	22355.7	30263.6



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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°	5649.1	6100.7	6516.1	6709.5	6853.5	6863.0	6873.8	7201.0	8895.7	11617.8	15801.0
-25°	5580.1	6007.6	6490.8	6790.5	6890.2	6893.8	6839.4	6778.6	6970.7	7163.9	8692.4
-27.5°	5463.5	5927.2	6381.4	6746.9	6894.6	6889.6	6848.3	6807.7	6741.1	6697.7	6862.6
-30°	5320.9	5786.8	6209.7	6577.2	6796.2	6863.5	6835.4	6805.2	6784.6	6770.1	6740.6
-32.5°	4560.9	5614.4	5970.6	6304.1	6616.6	6753.5	6814.5	6800.3	6781.8	6773.9	6779.1
-35°	3725.5	4813.1	5738.0	5975.8	6247.0	6519.4	6711.6	6755.0	6774.3	6770.9	6779.4
-37.5°	2856.5	3836.4	4745.2	5504.8	5831.3	6114.6	6393.9	6579.0	6690.0	6709.3	6735.4
-40°	2461.9	2739.0	3599.9	4363.4	4998.6	5583.4	5879.2	6199.1	6448.6	6549.0	6601.8
-42.5°	2357.6	2467.6	2580.7	3140.7	3798.3	4355.8	4908.1	5457.1	5912.7	6170.5	6338.2
-45°	2312.1	2373.5	2438.8	2528.9	2609.7	3080.5	3587.6	4122.5	4721.4	5168.6	5585.3
-47.5°	2179.8	2303.4	2365.7	2404.0	2432.4	2494.5	2550.1	2700.8	3199.1	3591.1	4025.8
-50°	2004.7	2130.3	2232.2	2322.8	2353.8	2368.1	2384.8	2435.0	2514.5	2572.4	2660.0
-52.5°	1802.0	1919.9	2033.4	2130.4	2199.7	2259.4	2316.3	2355.9	2388.1	2421.6	2453.3
-55°	1608.3	1708.6	1805.9	1897.0	1979.7	2048.5	2116.3	2180.7	2241.2	2298.1	2351.2
-57.5°	1395.7	1496.0	1585.5	1667.2	1737.6	1795.1	1862.0	1933.0	1999.6	2058.6	2116.2
-60°	1181.2	1272.5	1358.1	1435.4	1499.9	1550.6	1615.6	1679.3	1740.1	1795.1	1843.4
-62.5°	979.6	1057.5	1131.2	1199.5	1260.5	1314.9	1369.5	1424.1	1481.6	1533.1	1578.5
-65°	809.1	871.3	923.7	972.4	1013.4	1062.7	1115.1	1164.0	1214.7	1262.3	1305.8
-67.5°	638.0	690.7	734.6	776.7	811.0	845.5	884.6	921.8	957.6	994.6	1030.8
-70°	481.4	518.6	546.3	575.1	608.9	640.4	671.9	703.5	733.2	765.8	799.4
-72.5°	359.3	377.3	395.6	418.9	439.1	461.9	484.6	508.8	533.4	557.1	579.2
-75°	287.6	299.1	312.9	324.3	332.9	344.1	356.6	371.9	387.3	402.6	417.0
-77.5°	255.9	263.8	270.1	275.0	279.2	284.9	290.6	301.3	312.9	325.7	338.6
-80°	231.3	236.4	240.7	244.3	247.6	252.3	257.0	266.3	276.2	285.7	295.0
-82.5°	206.3	210.6	214.2	217.4	220.3	224.7	229.2	236.7	244.2	253.5	262.8
-85°	182.1	185.9	189.4	192.2	195.0	198.5	201.9	208.8	215.8	223.2	230.6
-87.5°	161.8	164.9	168.0	170.4	172.8	175.8	178.7	184.2	189.6	195.6	201.6
-90°	3.2	3.2	3.2	2.7	2.1	2.1	2.1	2.1	2.1	1.6	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°	185.5	186.0	186.0	186.0	186.0	186.0	185.5	184.9	179.6	174.3	169.5
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.1
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	3.7	3.2	3.7
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.2	3.3
75°	3.8	3.2	3.2	3.2	3.2	3.2	3.8	4.3	4.6	4.9	4.7
72.5°	26.0	27.9	29.0	29.8	29.0	27.9	26.0	24.0	21.8	19.5	17.1
70°	33.5	33.8	34.0	34.0	34.0	33.8	33.5	32.9	31.7	30.2	28.6
67.5°	41.2	42.1	42.4	42.5	42.4	42.1	41.2	39.7	37.3	35.1	33.1
65°	26.3	24.4	22.7	21.3	22.7	24.4	26.3	27.6	27.5	27.9	28.4
62.5°	15.9	15.3	15.0	14.9	15.0	15.3	15.9	16.3	16.2	17.1	18.6
60°	9.5	9.7	9.2	8.5	9.2	9.7	9.5	9.4	9.3	9.6	10.3
57.5°	6.9	7.3	7.9	8.5	7.9	7.3	6.9	6.5	6.1	6.1	6.4
55°	10.2	11.2	12.1	12.8	12.1	11.2	10.2	9.5	8.6	8.0	8.6
52.5°	29.7	26.6	25.7	26.6	25.7	26.6	29.7	32.9	34.4	34.4	29.6
50°	168.2	171.6	175.7	180.6	175.7	171.6	168.2	163.5	154.1	140.7	121.7
47.5°	397.3	389.8	382.7	380.4	382.7	389.8	397.3	392.4	375.4	350.6	346.8
45°	753.2	697.8	669.6	686.4	669.6	697.8	753.2	813.8	753.5	660.0	585.0
42.5°	1520.3	1602.3	1666.5	1696.9	1666.5	1602.3	1520.3	1449.9	1318.7	1190.5	1045.7
40°	1906.0	1875.2	1891.7	1916.9	1891.7	1875.2	1906.0	1957.4	1924.5	1984.8	1953.9
37.5°	2346.4	2356.6	2282.5	2161.3	2282.5	2356.6	2346.4	2328.1	2365.4	2341.9	2304.4
35°	2559.9	2692.0	2939.2	2998.6	2939.2	2692.0	2559.9	2511.5	2488.7	2467.7	2437.0
32.5°	2827.3	2964.4	3006.5	3023.0	3006.5	2964.4	2827.3	2670.2	2608.0	2589.6	2575.6
30°	3146.8	3208.8	3193.2	3216.4	3193.2	3208.8	3146.8	2968.8	2830.9	2788.8	2752.2
27.5°	3496.9	3533.2	3521.3	3552.2	3521.3	3533.2	3496.9	3409.5	3211.5	3099.6	2993.3
25°	4400.6	4686.2	4671.2	4738.0	4671.2	4686.2	4400.6	4097.5	3733.2	3553.9	3350.6
22.5°	8914.7	9924.0	10528.4	11113.4	10528.4	9924.0	8914.7	6879.3	5207.3	4402.2	3893.5
20°	19918.5	22827.4	23460.6	23229.9	23460.6	22827.4	19918.5	15326.4	11184.1	6511.3	5024.3
17.5°	42755.8	54362.0	60593.9	61287.0	60593.9	54362.0	42755.8	29789.0	23207.9	14613.5	8191.9
15°	80463.7	100748.8	112266.1	113476.3	112266.1	100748.8	80463.7	61201.6	42556.9	27970.1	16292.6
12.5°	131538.7	163842.8	187557.7	190203.5	187557.7	163842.8	131538.7	101716.6	68138.3	45503.1	27283.5
10°	201499.6	245174.6	279711.1	288124.8	279711.1	245174.6	201499.6	151842.8	107119.5	66347.8	38340.2
7.5°	271327.7	321169.7	361816.9	371380.5	361816.9	321169.7	271327.7	205455.6	143140.4	92371.6	54117.3
5°	325914.6	389686.3	422123.5	432840.7	422123.5	389686.3	325914.6	254126.9	177167.3	115061.5	67573.4
2.5°	367523.3	427739.2	465819.4	481443.2	465819.4	427739.2	367523.3	291339.8	204934.3	132004.6	78097.9
0°	383585.1	441994.7	490487.8	520643.1	490487.8	441994.7	383585.1	305996.2	215747.7	139551.8	80983.9
-2.5°	377289.2	433527.4	474740.7	494302.0	474740.7	433527.4	377289.2	300489.9	212145.6	137754.4	82923.0
-5°	345460.8	402215.4	434080.5	444174.0	434080.5	402215.4	345460.8	272768.8	193782.6	127245.9	77221.7
-7.5°	292123.6	342080.3	379863.7	386636.4	379863.7	342080.3	292123.6	230929.9	162705.9	108137.0	66564.1
-10°	231525.7	274771.9	303595.6	309047.9	303595.6	274771.9	231525.7	178996.9	127987.8	84569.9	50217.7
-12.5°	164117.2	202104.4	224893.4	229098.4	224893.4	202104.4	164117.2	130610.4	93283.4	60872.7	38411.0
-15°	111525.8	135187.3	148999.5	150394.3	148999.5	135187.3	111525.8	86891.3	62602.5	42498.8	25417.2
-17.5°	69781.8	83856.3	92464.9	92544.7	92464.9	83856.3	69781.8	51305.5	39440.5	26270.9	15602.0
-20°	40399.5	47115.8	51932.1	51911.9	51932.1	47115.8	40399.5	30263.6	22355.7	14276.2	9935.9



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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°	21048.7	25040.5	27944.6	27811.7	27944.6	25040.5	21048.7	15801.0	11617.8	8895.7	7201.0
-25°	10335.9	11864.1	12881.3	12801.9	12881.3	11864.1	10335.9	8692.4	7163.9	6970.7	6778.6
-27.5°	7004.6	7172.8	7288.9	7300.9	7288.9	7172.8	7004.6	6862.6	6697.7	6741.1	6807.7
-30°	6729.1	6767.7	6808.1	6818.5	6808.1	6767.7	6729.1	6740.6	6770.1	6784.6	6805.2
-32.5°	6795.7	6825.7	6870.2	6898.2	6870.2	6825.7	6795.7	6779.1	6773.9	6781.8	6800.3
-35°	6800.5	6835.3	6886.8	6909.9	6886.8	6835.3	6800.5	6779.4	6770.9	6774.3	6755.0
-37.5°	6768.8	6811.5	6855.6	6875.9	6855.6	6811.5	6768.8	6735.4	6709.3	6690.0	6579.0
-40°	6648.7	6692.3	6724.5	6727.1	6724.5	6692.3	6648.7	6601.8	6549.0	6448.6	6199.1
-42.5°	6449.9	6503.8	6528.7	6524.2	6528.7	6503.8	6449.9	6338.2	6170.5	5912.7	5457.1
-45°	5980.5	6171.5	6265.3	6288.3	6265.3	6171.5	5980.5	5585.3	5168.6	4721.4	4122.5
-47.5°	4529.7	4809.9	4989.5	5061.0	4989.5	4809.9	4529.7	4025.8	3591.1	3199.1	2700.8
-50°	2774.4	2800.4	2817.6	2826.4	2817.6	2800.4	2774.4	2660.0	2572.4	2514.5	2435.0
-52.5°	2479.7	2487.1	2491.1	2491.7	2491.1	2487.1	2479.7	2453.3	2421.6	2388.1	2355.9
-55°	2389.5	2404.5	2413.9	2416.3	2413.9	2404.5	2389.5	2351.2	2298.1	2241.2	2180.7
-57.5°	2154.2	2162.8	2172.4	2178.3	2172.4	2162.8	2154.2	2116.2	2058.6	1999.6	1933.0
-60°	1872.4	1880.3	1881.8	1876.5	1881.8	1880.3	1872.4	1843.4	1795.1	1740.1	1679.3
-62.5°	1603.3	1610.6	1617.8	1620.4	1617.8	1610.6	1603.3	1578.5	1533.1	1481.6	1424.1
-65°	1326.0	1329.6	1331.3	1328.2	1331.3	1329.6	1326.0	1305.8	1262.3	1214.7	1164.0
-67.5°	1047.8	1055.0	1065.2	1072.1	1065.2	1055.0	1047.8	1030.8	994.6	957.6	921.8
-70°	807.2	804.0	810.8	816.1	810.8	804.0	807.2	799.4	765.8	733.2	703.5
-72.5°	582.0	578.5	576.1	571.7	576.1	578.5	582.0	579.2	557.1	533.4	508.8
-75°	416.2	412.0	411.4	410.2	411.4	412.0	416.2	417.0	402.6	387.3	371.9
-77.5°	338.8	337.2	335.1	332.6	335.1	337.2	338.8	338.6	325.7	312.9	301.3
-80°	295.9	296.0	294.8	293.3	294.8	296.0	295.9	295.0	285.7	276.2	266.3
-82.5°	263.2	263.1	262.4	261.4	262.4	263.1	263.2	262.8	253.5	244.2	236.7
-85°	231.1	231.4	230.5	229.5	230.5	231.4	231.1	230.6	223.2	215.8	208.8
-87.5°	202.3	202.9	202.4	201.9	202.4	202.9	202.3	201.6	195.6	189.6	184.2
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	164.7	161.5	158.3	156.7	155.1	152.0	148.8	144.6	140.3	135.0	129.6
87.5°	2.1	2.6	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.8	4.3
85°	3.1	3.1	3.2	3.6	4.0	4.0	3.9	3.8	3.8	4.0	4.3
82.5°	3.2	3.7	4.0	4.1	4.3	4.3	4.3	4.5	4.6	4.5	4.5
80°	4.0	4.2	4.3	4.3	4.3	4.5	4.6	5.0	5.3	5.2	5.1
77.5°	3.6	4.0	4.4	4.6	4.7	5.0	5.3	5.3	5.4	5.8	5.9
75°	4.8	5.7	6.3	6.5	6.3	5.6	5.5	5.9	6.0	6.2	6.4
72.5°	15.1	13.9	13.3	12.7	11.7	11.4	10.8	10.0	8.9	7.4	6.4
70°	27.3	26.2	25.5	25.5	25.4	24.8	21.8	18.2	15.5	13.4	10.8
67.5°	33.2	34.6	36.1	37.1	36.5	36.1	33.4	29.7	28.4	25.9	18.8
65°	30.4	33.3	35.0	35.7	36.1	38.1	40.8	40.0	41.7	40.0	31.3
62.5°	21.7	25.4	27.5	29.1	29.5	31.4	36.7	42.4	50.8	53.1	43.1
60°	12.6	14.9	17.5	20.1	21.8	25.6	31.8	41.1	53.0	52.2	48.0
57.5°	8.0	9.8	12.4	14.4	15.0	19.5	26.2	37.7	49.7	49.3	43.2
55°	10.8	12.5	13.7	16.0	17.1	20.5	24.0	33.6	44.8	48.5	46.4
52.5°	21.1	28.4	30.5	27.7	27.6	29.2	31.1	38.8	45.6	51.1	53.0
50°	108.4	119.4	105.4	84.3	87.6	61.4	68.3	66.6	63.7	66.7	64.7
47.5°	331.7	306.9	282.4	260.5	233.3	201.9	194.8	150.5	146.2	108.8	108.4
45°	572.1	543.5	502.7	468.3	450.6	415.8	392.2	358.5	291.5	260.3	180.8
42.5°	1040.1	879.9	740.1	677.0	614.7	587.4	569.2	547.1	511.4	448.2	374.9
40°	1768.4	1579.2	1313.2	972.4	824.7	727.1	693.0	685.4	667.4	633.4	555.9
37.5°	2290.5	2183.0	1915.9	1620.9	1222.6	975.3	853.2	786.9	782.8	764.8	713.3
35°	2405.0	2372.4	2320.4	2105.8	1767.2	1562.1	1155.2	956.2	876.5	862.2	844.9
32.5°	2555.6	2521.1	2474.9	2434.8	2347.8	2320.7	1816.8	1262.9	1003.1	950.5	922.9
30°	2715.4	2692.9	2661.7	2648.0	2655.0	2645.2	2527.8	1823.7	1284.4	1036.1	1004.6
27.5°	2936.1	2874.8	2850.0	2873.8	2921.8	2949.7	2859.8	2512.0	1681.5	1269.9	1086.5
25°	3241.6	3149.4	3114.3	3167.6	3252.8	3287.0	3227.4	2998.8	2422.9	1582.2	1172.0
22.5°	3647.7	3574.9	3558.1	3670.5	3695.9	3731.7	3621.0	3483.9	3174.1	2053.7	1432.5
20°	4231.6	4062.5	4055.6	4079.3	4078.7	4061.5	3926.2	3802.6	3463.3	2660.2	1724.5
17.5°	5449.3	4547.9	4412.6	4366.3	4327.2	4231.9	4152.5	3961.8	3716.4	3172.2	2007.8
15°	7869.5	5564.3	4820.7	4716.0	4650.7	4547.4	4445.8	4225.8	3994.5	3489.5	2413.7
12.5°	15157.7	7137.1	5181.0	4939.7	4887.8	4805.8	4680.7	4573.7	4267.7	3776.1	2833.2
10°	21375.5	10352.6	6183.9	5199.5	5020.0	4908.2	4810.6	4702.4	4445.8	4034.9	3243.4
7.5°	29737.3	15113.0	7319.2	5461.2	5188.6	5001.6	4875.3	4767.5	4559.0	4145.1	3515.5
5°	36384.2	18550.1	8200.8	5718.8	5406.7	5184.1	4950.5	4835.6	4628.8	4187.0	3694.9
2.5°	40347.8	20762.7	8731.9	5866.7	5566.9	5423.4	5072.2	4902.5	4655.6	4215.5	3808.7
0°	42676.1	21857.1	9266.7	5944.0	5642.3	5556.2	5264.0	4965.4	4645.6	4224.8	3863.5
-2.5°	44507.9	22973.5	9535.1	6095.0	5758.6	5663.1	5480.7	5208.3	4699.3	4236.3	3895.8
-5°	42461.1	21857.1	9505.7	6188.1	5859.3	5766.9	5622.0	5367.0	4780.8	4261.9	3872.2
-7.5°	37503.7	18889.0	8943.8	6267.1	5965.9	5869.1	5718.3	5466.5	4948.5	4392.9	3817.7
-10°	29436.2	14419.7	7915.9	6341.8	6103.8	5977.0	5812.3	5495.4	5018.7	4496.3	3703.3
-12.5°	21632.1	10967.8	6950.4	6373.2	6263.7	6100.6	5897.0	5484.9	5062.0	4635.3	3627.5
-15°	14007.8	8672.4	6821.5	6486.8	6366.0	6183.4	5939.9	5456.7	5071.8	4720.0	3448.5
-17.5°	9881.0	7123.6	6647.9	6537.8	6404.9	6229.1	5866.0	5423.4	5028.8	4478.0	3080.3
-20°	7218.2	6867.0	6737.3	6612.2	6433.2	6234.2	5748.5	5360.5	4915.1	3979.8	2758.0



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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°	6873.8	6863.0	6853.5	6709.5	6516.1	6100.7	5649.1	5258.5	4746.6	3487.7	2444.4
-25°	6839.4	6893.8	6890.2	6790.5	6490.8	6007.6	5580.1	5082.8	4188.5	3059.6	2153.0
-27.5°	6848.3	6889.6	6894.6	6746.9	6381.4	5927.2	5463.5	4803.1	3502.0	2603.6	2143.5
-30°	6835.4	6863.5	6796.2	6577.2	6209.7	5786.8	5320.9	4073.2	2963.6	2256.0	2115.5
-32.5°	6814.5	6753.5	6616.6	6304.1	5970.6	5614.4	4560.9	3353.1	2458.6	2216.4	2093.1
-35°	6711.6	6519.4	6247.0	5975.8	5738.0	4813.1	3725.5	2717.4	2309.2	2173.0	2069.5
-37.5°	6393.9	6114.6	5831.3	5504.8	4745.2	3836.4	2856.5	2409.5	2244.4	2145.6	2003.9
-40°	5879.2	5583.4	4998.6	4363.4	3599.9	2739.0	2461.9	2314.0	2215.5	2085.4	1911.3
-42.5°	4908.1	4355.8	3798.3	3140.7	2580.7	2467.6	2357.6	2273.4	2151.4	1980.0	1788.8
-45°	3587.6	3080.5	2609.7	2528.9	2438.8	2373.5	2312.1	2185.2	2034.7	1845.6	1655.9
-47.5°	2550.1	2494.5	2432.4	2404.0	2365.7	2303.4	2179.8	2046.6	1873.4	1690.9	1515.4
-50°	2384.8	2368.1	2353.8	2322.8	2232.2	2130.3	2004.7	1872.5	1705.5	1537.0	1370.6
-52.5°	2316.3	2259.4	2199.7	2130.4	2033.4	1919.9	1802.0	1683.4	1537.3	1378.4	1221.4
-55°	2116.3	2048.5	1979.7	1897.0	1805.9	1708.6	1608.3	1490.3	1359.3	1211.9	1069.7
-57.5°	1862.0	1795.1	1737.6	1667.2	1585.5	1496.0	1395.7	1284.6	1174.5	1043.4	916.3
-60°	1615.6	1550.6	1499.9	1435.4	1358.1	1272.5	1181.2	1085.3	983.5	889.7	791.4
-62.5°	1369.5	1314.9	1260.5	1199.5	1131.2	1057.5	979.6	907.1	832.3	751.4	661.4
-65°	1115.1	1062.7	1013.4	972.4	923.7	871.3	809.1	745.1	677.7	606.0	527.9
-67.5°	884.6	845.5	811.0	776.7	734.6	690.7	638.0	581.9	526.9	471.4	410.2
-70°	671.9	640.4	608.9	575.1	546.3	518.6	481.4	440.2	393.8	355.5	320.9
-72.5°	484.6	461.9	439.1	418.9	395.6	377.3	359.3	337.2	310.7	281.2	257.2
-75°	356.6	344.1	332.9	324.3	312.9	299.1	287.6	274.6	261.2	246.9	232.6
-77.5°	290.6	284.9	279.2	275.0	270.1	263.8	255.9	245.3	234.8	223.1	211.2
-80°	257.0	252.3	247.6	244.3	240.7	236.4	231.3	222.3	212.9	202.1	191.8
-82.5°	229.2	224.7	220.3	217.4	214.2	210.6	206.3	198.7	191.0	182.2	173.7
-85°	201.9	198.5	195.0	192.2	189.4	185.9	182.1	176.1	170.1	162.7	155.3
-87.5°	178.7	175.8	172.8	170.4	168.0	164.9	161.8	157.1	152.4	146.2	140.1
-90°	2.1	2.1	2.1	2.7	3.2	3.2	3.2	3.2	3.2	3.8	4.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	124.3	119.0	114.2	109.4	105.2	100.9	96.2	91.4	85.0	78.6	70.7
87.5°	4.3	4.3	4.6	4.9	4.8	4.8	5.0	5.3	5.3	5.3	5.5
85°	4.5	4.6	4.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.6
82.5°	4.9	5.2	5.2	5.3	5.7	5.8	5.7	5.6	5.5	5.4	5.8
80°	5.2	5.4	5.6	5.7	6.0	6.4	6.2	6.1	6.2	6.1	6.2
77.5°	5.7	5.6	6.0	6.3	6.3	6.5	6.6	6.6	6.8	6.8	6.7
75°	6.4	6.3	6.3	6.5	6.5	6.6	6.9	7.1	7.3	7.4	7.1
72.5°	6.4	6.5	6.6	6.6	6.9	7.1	7.3	7.5	7.8	7.9	7.5
70°	8.4	7.1	7.1	7.3	7.5	7.7	7.9	8.1	8.2	8.3	8.1
67.5°	11.8	9.9	8.6	8.1	8.1	8.4	8.5	8.8	9.0	8.8	8.6
65°	23.0	15.9	10.5	9.9	9.3	9.3	9.5	9.8	9.8	9.9	9.2
62.5°	33.7	24.8	18.2	13.4	11.5	11.8	10.7	11.4	10.9	11.2	10.4
60°	44.0	34.1	26.6	21.2	17.1	15.4	14.6	13.3	13.1	12.5	11.9
57.5°	43.1	41.7	37.6	30.3	26.0	22.0	19.8	17.8	15.8	15.1	13.5
55°	42.5	42.5	47.1	42.5	37.4	31.3	27.5	23.9	19.7	18.2	15.5
52.5°	49.6	50.6	54.4	56.9	53.0	43.6	39.6	30.6	27.1	21.6	18.8
50°	61.6	67.0	67.8	73.7	70.6	64.3	52.9	43.7	35.2	26.4	22.4
47.5°	93.2	98.4	93.2	98.1	93.4	88.4	74.5	59.3	43.9	34.6	26.2
45°	178.8	149.2	144.4	136.2	125.4	119.4	100.7	76.5	59.7	43.6	30.1
42.5°	298.2	256.3	232.4	182.3	176.9	155.8	131.5	104.0	76.6	53.2	36.7
40°	465.9	403.4	347.3	290.5	241.1	196.8	170.9	135.2	94.7	65.6	45.4
37.5°	628.6	554.4	490.0	405.4	322.8	263.9	214.2	168.6	118.0	83.2	54.5
35°	764.0	694.8	608.3	517.7	430.9	332.3	260.6	206.1	149.2	101.6	63.8
32.5°	875.1	805.1	706.0	614.3	516.9	400.6	317.0	245.9	180.9	120.9	73.5
30°	958.1	891.4	797.3	690.3	586.8	471.7	373.6	283.7	213.0	140.8	84.7
27.5°	1044.1	980.1	885.6	767.4	647.2	532.8	420.0	319.5	245.3	161.4	99.4
25°	1130.1	1064.4	977.0	852.6	707.6	580.8	462.2	353.6	275.9	182.9	113.4
22.5°	1205.3	1142.2	1067.9	942.7	775.9	627.3	501.8	390.5	296.6	202.7	126.5
20°	1274.4	1208.2	1153.1	1019.0	850.1	683.1	540.5	419.2	315.9	220.9	138.7
17.5°	1373.1	1267.0	1197.6	1077.6	920.0	740.3	580.6	446.3	333.5	237.2	150.1
15°	1599.0	1324.6	1241.3	1129.2	977.0	794.3	620.7	472.4	349.6	251.9	160.1
12.5°	1805.7	1379.2	1287.1	1173.5	1019.9	841.5	660.0	497.1	363.9	265.7	168.7
10°	2014.4	1432.3	1332.0	1216.3	1056.5	882.4	697.8	522.6	381.7	278.9	176.2
7.5°	2243.3	1484.3	1374.0	1257.2	1088.3	915.7	730.8	551.6	399.0	290.7	182.9
5°	2451.2	1532.2	1417.5	1303.0	1120.4	942.1	759.0	578.2	414.8	301.0	188.5
2.5°	2596.8	1572.7	1460.3	1345.8	1148.1	963.3	782.7	602.1	428.9	309.7	193.0
0°	2705.3	1608.7	1499.3	1383.5	1171.0	979.7	802.2	622.7	441.0	316.6	196.6
-2.5°	2700.8	1638.9	1531.3	1419.8	1213.4	1003.7	814.8	633.5	453.7	326.3	203.8
-5°	2654.6	1665.4	1560.3	1450.4	1249.0	1022.4	823.3	640.8	464.0	333.9	209.7
-7.5°	2597.6	1695.1	1587.7	1475.2	1276.4	1035.0	827.6	644.7	471.9	339.5	214.4
-10°	2503.5	1724.4	1613.0	1487.1	1282.0	1042.4	829.0	645.3	477.1	342.8	217.6
-12.5°	2387.2	1751.1	1634.6	1491.9	1279.0	1046.0	834.5	644.6	479.2	343.9	219.3
-15°	2232.6	1786.9	1660.9	1490.5	1270.5	1044.6	833.9	640.1	475.4	341.4	219.3
-17.5°	2014.6	1813.7	1686.0	1485.4	1257.4	1038.6	826.9	630.6	468.8	335.1	217.0
-20°	1988.6	1838.5	1699.9	1469.3	1239.1	1025.6	813.0	615.8	459.2	326.6	212.9



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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°	2006.7	1866.6	1693.3	1442.3	1216.6	1006.5	793.1	596.2	446.8	316.1	207.4
-25°	2010.5	1893.4	1683.6	1427.7	1190.6	979.9	769.8	577.0	431.5	303.4	200.4
-27.5°	2009.0	1888.5	1668.4	1396.8	1162.0	947.0	744.1	563.4	418.9	288.6	192.1
-30°	2004.2	1837.8	1614.6	1351.9	1122.5	910.0	714.2	546.5	404.8	276.8	182.4
-32.5°	1976.5	1781.0	1545.4	1301.0	1075.6	868.3	681.1	525.9	387.5	266.9	176.3
-35°	1903.9	1703.9	1474.8	1242.4	1023.7	827.9	648.7	501.7	367.2	254.5	171.0
-37.5°	1824.5	1608.2	1403.1	1178.4	966.9	782.6	618.7	475.3	343.8	239.7	165.1
-40°	1709.5	1503.8	1308.6	1106.7	908.7	732.0	583.9	445.8	322.6	222.4	157.7
-42.5°	1588.9	1394.4	1208.7	1022.1	846.2	686.4	544.8	412.2	300.1	209.3	148.9
-45°	1466.8	1281.6	1104.5	938.8	779.2	635.4	502.4	376.0	274.4	197.6	142.1
-47.5°	1337.6	1165.4	1002.7	850.0	715.7	579.3	453.4	343.6	246.1	184.0	139.4
-50°	1204.5	1046.8	899.8	767.3	643.3	518.7	402.3	307.8	228.5	168.8	136.2
-52.5°	1069.9	927.1	801.5	684.4	567.5	452.7	356.0	269.6	209.1	160.8	132.4
-55°	932.5	816.5	707.2	597.4	488.0	393.6	306.6	243.9	188.1	155.7	128.4
-57.5°	813.3	711.6	608.1	505.9	415.4	334.1	268.6	217.0	177.9	150.0	125.8
-60°	695.7	600.1	504.4	423.0	346.6	284.3	237.0	194.9	170.6	144.3	122.8
-62.5°	573.3	488.3	414.5	343.9	290.5	246.6	208.1	184.8	162.3	140.1	119.4
-65°	458.5	390.5	327.4	286.9	247.0	214.1	195.7	174.2	155.4	135.4	115.7
-67.5°	348.9	311.4	274.1	237.7	216.7	199.6	182.5	165.5	148.7	130.3	111.8
-70°	286.2	252.7	231.3	215.5	200.2	185.1	171.9	157.3	141.6	125.4	107.6
-72.5°	241.5	226.2	211.4	197.4	185.5	173.4	161.6	148.9	134.9	120.1	103.1
-75°	218.1	205.6	194.4	183.3	172.3	161.4	151.6	140.8	128.0	114.6	98.4
-77.5°	199.8	188.9	179.0	169.4	160.0	151.0	142.1	132.4	120.7	108.5	93.5
-80°	182.4	173.3	164.7	156.1	148.2	140.4	132.0	123.4	112.9	102.1	88.3
-82.5°	165.8	158.0	150.1	142.2	135.2	128.1	121.1	114.1	104.8	95.5	83.5
-85°	148.6	141.9	134.9	127.9	121.8	115.6	110.7	105.5	97.8	90.0	79.3
-87.5°	134.6	129.2	123.5	117.9	113.1	108.3	103.5	98.5	91.5	84.4	75.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.3	5.3	5.3	5.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	62.7	52.0	41.4	29.2	17.0	11.1	5.3
87.5°	5.6	5.5	5.5	5.5	5.5	5.4	5.3
85°	5.9	5.8	5.7	5.7	5.7	5.6	5.3
82.5°	6.2	6.0	5.9	5.9	5.9	5.7	5.3
80°	6.4	6.2	6.1	6.1	6.0	5.9	5.3
77.5°	6.7	6.5	6.3	6.4	6.2	6.0	5.3
75°	7.0	6.9	6.5	6.6	6.4	6.1	5.3
72.5°	7.3	7.2	6.9	6.8	6.6	6.3	5.3
70°	7.7	7.6	7.3	7.0	6.8	6.4	5.3
67.5°	8.3	8.0	7.7	7.3	7.0	6.6	5.3
65°	9.0	8.5	8.0	7.6	7.2	6.7	5.3
62.5°	9.6	9.1	8.4	7.9	7.5	6.8	5.3
60°	10.3	9.8	8.8	8.2	7.7	7.0	5.3
57.5°	12.1	10.4	9.5	8.5	8.0	7.1	5.3
55°	14.1	11.1	10.2	8.7	8.3	7.2	5.3
52.5°	16.2	12.0	11.0	9.0	8.7	7.4	5.3
50°	18.4	14.3	11.9	9.3	9.0	7.5	5.3
47.5°	21.0	16.6	12.8	9.6	9.4	7.7	5.3
45°	24.3	19.0	13.8	10.4	9.8	7.8	5.3
42.5°	27.8	21.5	14.8	11.1	10.3	7.9	5.3
40°	31.5	24.0	16.3	12.2	10.7	8.1	5.3
37.5°	35.5	26.6	18.3	13.4	11.2	8.2	5.3
35°	39.5	29.7	20.3	14.7	11.7	8.3	5.3
32.5°	44.8	32.9	22.3	16.1	12.2	8.4	5.3
30°	52.7	36.1	24.2	17.5	12.8	8.5	5.3
27.5°	60.5	39.4	26.8	18.9	13.3	8.7	5.3
25°	68.1	42.6	29.4	20.3	13.9	8.8	5.3
22.5°	75.6	45.8	31.9	21.8	14.4	8.9	5.3
20°	82.9	49.3	34.3	23.2	15.0	9.0	5.3
17.5°	89.5	52.6	36.6	24.7	15.6	9.1	5.3
15°	95.5	55.8	38.8	26.1	16.1	9.2	5.3
12.5°	101.0	58.8	40.9	27.6	16.7	9.3	5.3
10°	105.9	61.6	43.0	29.0	17.2	9.3	5.3
7.5°	110.3	64.3	44.9	30.3	17.7	9.4	5.3
5°	114.1	66.8	46.7	31.6	18.2	9.5	5.3
2.5°	117.4	69.1	48.3	32.8	18.7	9.5	5.3
0°	120.1	71.2	49.9	34.0	19.1	9.6	5.3
-2.5°	123.9	74.2	52.1	35.5	20.1	10.0	5.3
-5°	127.2	76.9	54.1	36.9	21.1	10.4	5.3
-7.5°	129.8	79.4	56.1	38.2	22.0	10.8	5.3
-10°	131.8	81.7	57.8	39.4	22.9	11.2	5.3
-12.5°	133.1	83.7	59.4	40.6	23.7	11.5	5.3
-15°	133.8	85.4	60.9	41.6	24.4	11.9	5.3
-17.5°	133.8	86.9	62.2	42.5	25.2	12.2	5.3
-20°	133.2	88.1	63.3	43.4	25.8	12.5	5.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	132.2	89.0	64.2	44.1	26.4	12.8	5.3
-25°	130.4	89.7	64.9	44.7	26.9	13.1	5.3
-27.5°	127.8	90.3	65.5	45.2	27.3	13.3	5.3
-30°	124.4	90.6	65.9	45.6	27.7	13.6	5.3
-32.5°	120.2	90.6	66.4	45.9	28.0	13.7	5.3
-35°	118.6	90.3	66.7	46.1	28.2	13.9	5.3
-37.5°	117.9	90.0	66.9	46.2	28.3	14.1	5.3
-40°	116.8	90.0	66.9	46.1	28.4	14.2	5.3
-42.5°	115.4	89.7	66.8	46.1	28.4	14.3	5.3
-45°	113.6	89.2	66.7	46.0	28.3	14.3	5.3
-47.5°	111.3	88.5	66.5	45.9	28.1	14.4	5.3
-50°	109.8	87.6	66.1	45.6	27.9	14.4	5.3
-52.5°	108.3	86.5	65.5	45.3	27.6	14.3	5.3
-55°	106.4	85.3	64.7	44.8	27.2	14.3	5.3
-57.5°	104.3	83.9	63.8	44.3	26.7	14.2	5.3
-60°	101.9	82.2	62.7	43.5	26.1	14.1	5.3
-62.5°	99.4	80.3	61.5	42.7	25.7	14.0	5.3
-65°	96.5	78.1	60.1	41.8	25.2	13.8	5.3
-67.5°	93.4	75.8	58.6	40.7	24.6	13.7	5.3
-70°	90.0	73.3	56.8	39.5	24.0	13.5	5.3
-72.5°	86.6	70.7	55.0	38.5	23.3	13.2	5.3
-75°	82.9	67.8	53.0	37.4	22.5	13.0	5.3
-77.5°	79.1	64.8	51.2	36.2	21.7	12.7	5.3
-80°	75.0	62.3	49.5	35.0	20.8	12.4	5.3
-82.5°	72.0	59.9	47.6	33.7	19.9	12.1	5.3
-85°	69.0	57.4	45.7	32.3	19.0	11.8	5.3
-87.5°	65.9	54.8	43.6	30.8	18.0	11.5	5.3
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)