

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: P1305619 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-1S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

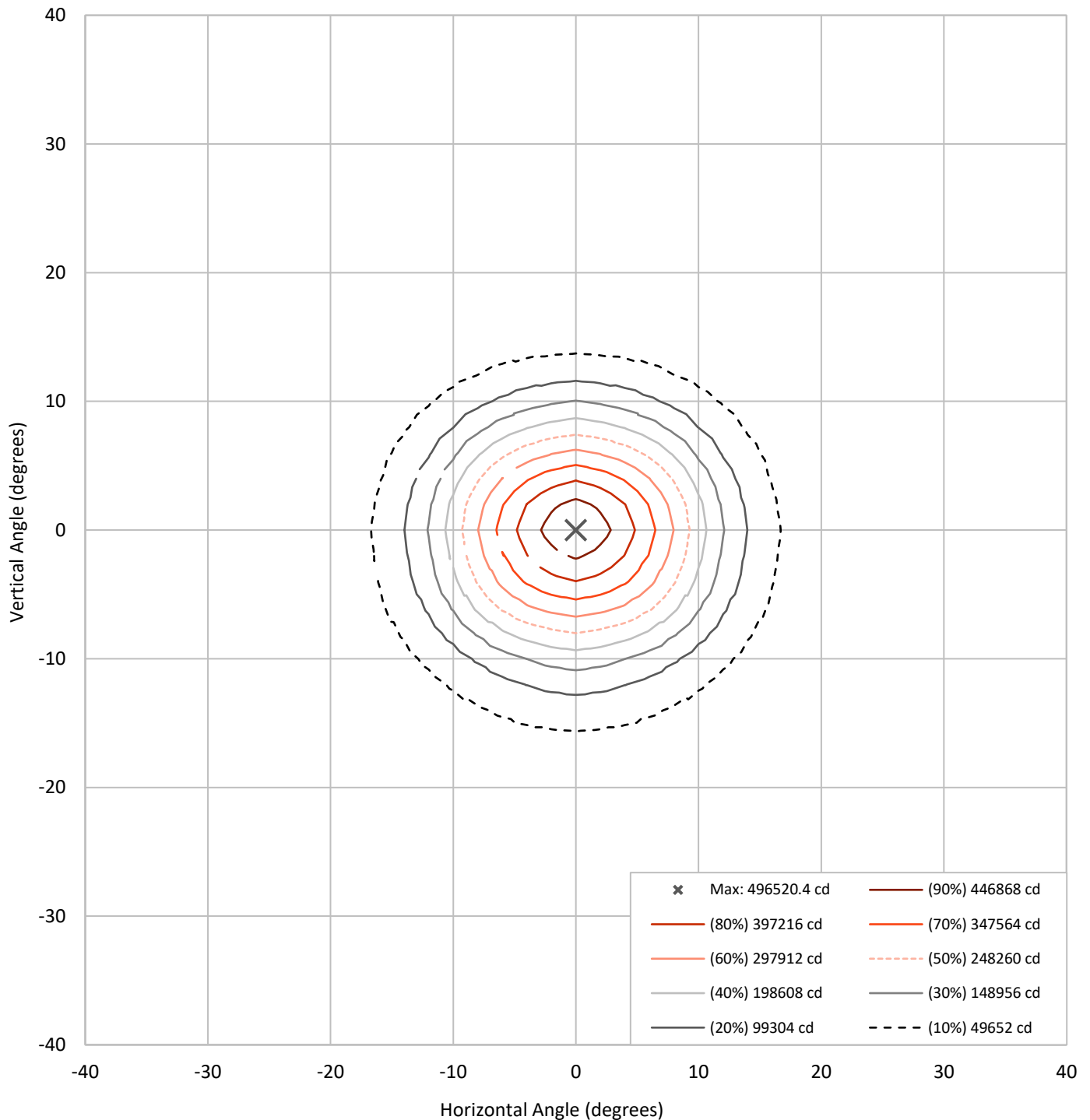
Test Method: LM-79-08  
Report Number: P1305619 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-40-80-1S-CV5-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	51047 lumens	Max Intensity:	496520.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	23542.3 lumens	Field Lumens:	43433 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%
Input Watts (W):	677		
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





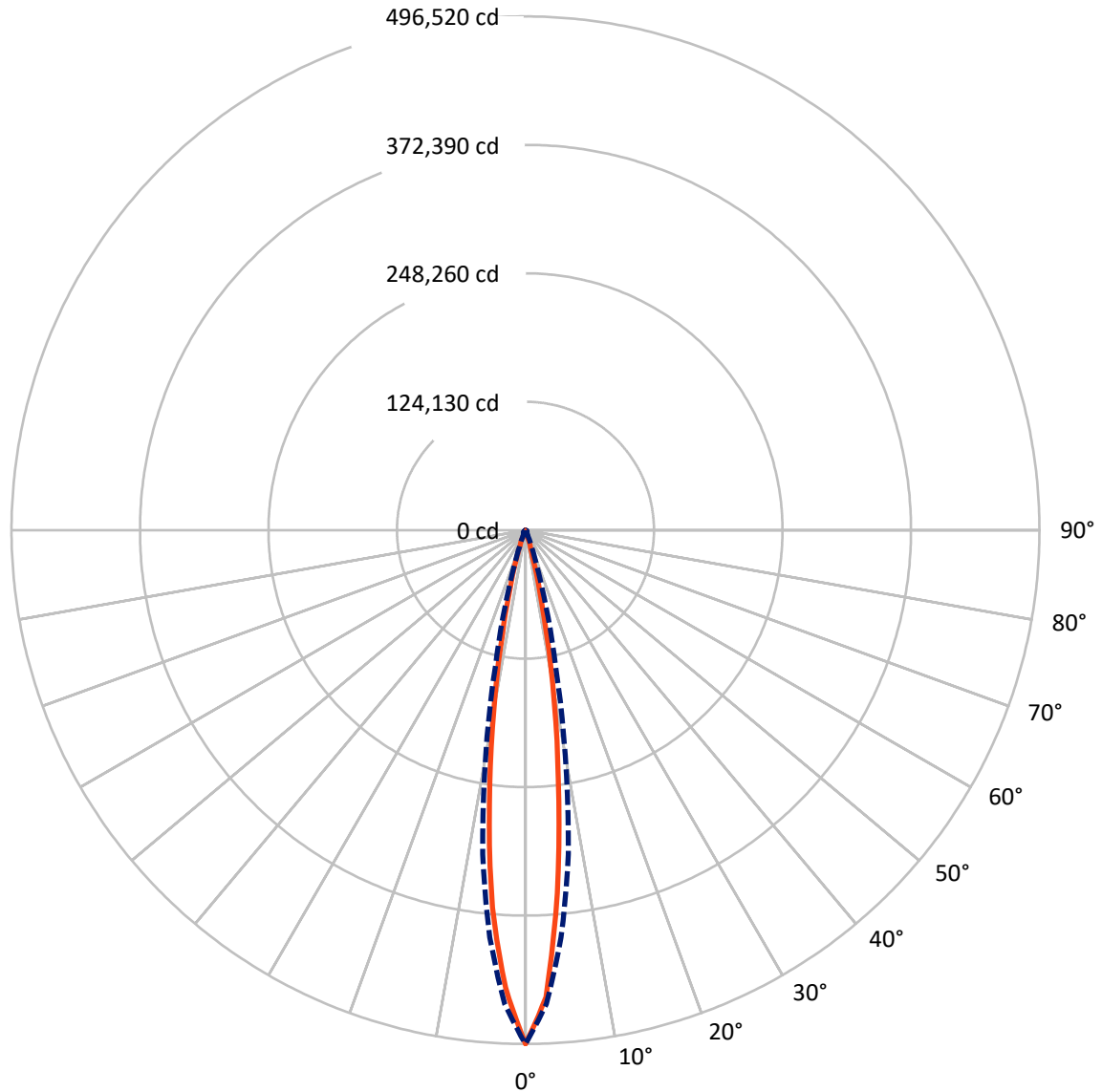
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### Lumen Table

90	0.1	0.4		0.6		0.6		0.8		0.6		0.6		0.4		0.1			
80	0.1	0.4		0.6		0.6		0.8		0.6		0.6		0.4		0.1			
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.6	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.2	0.2			
40		0.3	0.6	0.8	1.4	1.9	2.0	2.3	2.3	2.0	1.9	1.4	0.8	0.6	0.3				
30	0.3	0.5	1.3	3.0	5.7	6.5	9.2	18.5	18.5	9.2	6.5	5.7	3.0	1.3	0.5	0.3			
20		1.0	4.1	13.9	26.0	34.5	255.9	1065.9	1065.9	255.9	34.5	26.0	13.9	4.1	1.0				
10	0.4	1.7	8.2	35.0	56.8	129.1	1877.7	8136.5	8136.5	1877.7	129.1	56.8	35.0	8.2	1.7	0.4			
0		2.1	9.6	40.4	66.5	132.2	2015.2	8504.5	8504.5	2015.2	132.2	66.5	40.4	9.6	2.1				
-10	0.5	2.2	8.4	30.5	54.9	60.5	429.8	1669.3	1669.3	429.8	60.5	54.9	30.5	8.4	2.2	0.5			
-20		2.1	7.2	17.1	44.2	51.1	56.4	109.9	109.9	56.4	51.1	44.2	17.1	7.2	2.1				
-30	0.4	1.9	6.1	10.9	27.1	51.1	59.8	60.4	60.4	59.8	51.1	27.1	10.9	6.1	1.9	0.4			
-40		1.3	4.6	9.4	14.7	25.8	43.5	57.2	57.2	43.5	25.8	14.7	9.4	4.6	1.3				
-50	0.3	0.6	2.6	6.1	11.0	15.1	17.9	19.9	19.9	17.9	15.1	11.0	6.1	2.6	0.6	0.3			
-60		0.3	0.9	2.5	4.8	7.6	10.0	11.8	11.8	10.0	7.6	4.8	2.5	0.9	0.3				
-70	0.2	0.8		2.2		5.3		9.0		5.3		2.2		0.8		0.2			
-80		0.8		2.2		5.3		9.0		5.3		2.2		0.8					
-90	0.2	0.8		2.2		5.3		9.0		5.3		2.2		0.8		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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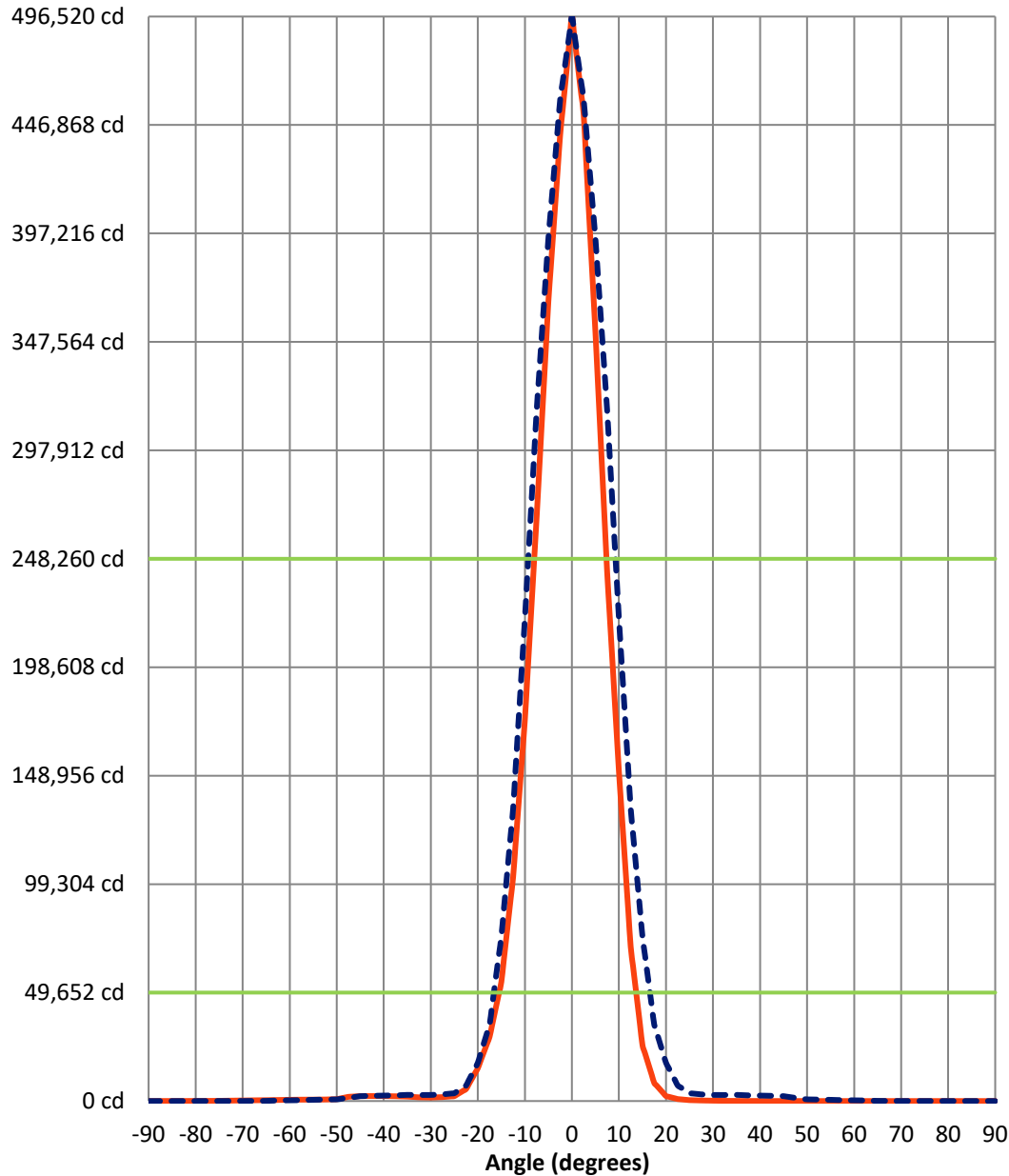
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 18.6°  
 V Angle: 15.4°  
 Lumens: 23542.3  
 Efficiency: 46.1%

**Field:**  
 H Angle: 33.2°  
 V Angle: 29.1°  
 Lumens: 43433  
 Efficiency: 85.1%

**Spill:**  
 Lumens: 7614  
 Efficiency: 14.9%

— 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°	6.3	6.3	6.3	6.6	7.0	7.3	7.6	7.6	7.6	7.6	7.6
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3	6.5	6.4	6.3	6.3	6.4	6.4
72.5°	6.3	6.3	6.3	6.3	6.6	6.7	6.4	6.4	6.6	6.6	6.4
70°	6.3	6.3	6.3	6.3	6.8	6.9	6.6	6.7	6.8	6.8	6.9
67.5°	6.3	6.3	6.3	6.6	7.1	7.1	6.9	7.0	7.1	7.3	7.4
65°	6.3	6.3	6.3	6.8	7.3	7.3	7.3	7.4	7.6	7.8	7.9
62.5°	6.3	6.3	6.3	7.1	7.6	7.7	7.7	7.8	8.0	8.2	8.1
60°	6.3	6.3	6.3	7.4	7.9	8.0	8.1	8.1	8.4	8.5	8.3
57.5°	6.3	6.3	6.5	7.6	8.1	8.3	8.5	8.5	8.8	8.8	8.8
55°	6.3	6.3	6.6	7.9	8.4	8.6	8.9	9.0	9.2	9.3	9.4
52.5°	6.3	6.3	6.8	8.2	8.6	8.9	9.3	9.5	9.6	9.8	10.0
50°	6.3	6.3	6.9	8.4	8.9	9.3	9.8	10.1	10.1	10.3	11.5
47.5°	6.3	6.3	7.1	8.7	9.1	9.7	10.3	10.8	10.5	10.9	13.1
45°	6.3	6.3	7.2	8.9	9.3	10.2	10.9	11.5	11.3	12.2	14.6
42.5°	6.3	6.3	7.3	9.1	9.6	10.6	11.6	12.2	12.2	13.4	16.1
40°	6.3	6.3	7.4	9.1	9.9	11.0	12.3	13.0	13.3	14.6	17.4
37.5°	6.3	6.3	7.5	9.2	10.2	11.5	13.0	13.9	14.7	16.2	18.5
35°	6.3	6.3	7.6	9.2	10.6	12.0	13.7	14.8	16.2	18.0	19.2
32.5°	6.3	6.3	7.6	9.2	10.9	12.6	14.5	15.8	17.5	20.0	21.3
30°	6.3	6.3	7.7	9.3	11.2	13.2	15.3	16.9	18.9	22.1	23.7
27.5°	6.3	6.3	7.7	9.3	11.3	13.8	16.1	18.0	20.4	24.3	26.4
25°	6.3	6.3	7.8	9.3	11.4	14.4	16.9	19.2	22.2	26.6	29.4
22.5°	6.3	6.3	7.8	9.3	11.3	14.8	17.8	20.3	24.1	29.0	33.9
20°	6.3	6.3	7.8	9.2	11.3	14.8	18.6	21.3	26.0	31.5	38.7
17.5°	6.3	6.3	7.8	9.2	11.2	14.7	18.8	22.4	27.9	34.1	43.8
15°	6.3	6.3	7.8	9.2	11.1	14.5	18.4	22.8	29.8	36.8	49.1
12.5°	6.3	6.3	7.8	9.1	11.0	14.3	18.0	22.5	30.7	39.5	54.5
10°	6.3	6.3	7.8	9.1	10.9	14.0	17.6	22.1	30.6	40.7	59.6
7.5°	6.3	6.3	7.7	9.0	10.7	13.7	17.0	21.7	30.4	41.7	64.3
5°	6.3	6.3	7.7	9.0	10.5	13.4	16.5	21.3	30.1	42.7	68.9
2.5°	6.3	6.3	7.6	8.9	10.3	13.0	15.9	20.8	29.6	43.6	73.2
0°	6.3	6.3	7.6	8.8	10.1	12.6	15.2	20.2	29.0	44.2	77.0
-2.5°	6.3	6.3	7.6	8.8	10.2	12.7	15.9	22.3	34.2	52.9	89.0
-5°	6.3	6.4	7.6	8.8	10.3	12.8	16.5	24.4	39.1	61.2	100.2
-7.5°	6.3	6.4	7.6	8.8	10.4	12.9	17.0	26.2	43.6	68.8	110.3
-10°	6.3	6.4	7.6	8.7	10.4	13.0	17.4	27.8	47.5	75.7	119.3
-12.5°	6.3	6.4	7.6	8.7	10.5	13.0	17.8	29.0	50.8	81.7	127.8
-15°	6.3	6.5	7.5	8.7	10.5	13.0	18.0	29.9	54.1	88.0	135.2
-17.5°	6.3	6.5	7.5	8.6	10.5	13.0	18.1	31.3	57.6	93.2	141.0
-20°	6.3	6.5	7.5	8.6	10.5	13.0	18.4	32.9	60.1	97.3	145.0



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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°	6.3	6.5	7.5	8.5	10.4	12.9	18.9	33.8	61.6	100.2	147.2
-25°	6.3	6.5	7.5	8.5	10.3	13.0	19.1	33.9	61.9	101.8	147.4
-27.5°	6.3	6.6	7.4	8.4	10.2	13.1	19.0	33.2	61.0	102.1	148.6
-30°	6.3	6.6	7.4	8.3	10.0	13.2	18.5	31.6	59.9	100.9	148.3
-32.5°	6.3	6.6	7.4	8.2	10.0	13.2	17.6	30.7	58.0	98.0	146.1
-35°	6.3	6.6	7.4	8.1	9.9	13.1	17.3	29.7	54.9	93.4	142.2
-37.5°	6.3	6.6	7.4	8.1	9.8	13.0	17.1	28.1	50.4	87.1	131.5
-40°	6.3	6.6	7.4	8.0	9.7	12.8	16.9	25.9	44.6	80.4	119.1
-42.5°	6.3	6.6	7.4	7.9	9.6	12.6	16.5	23.2	40.3	70.5	105.4
-45°	6.3	6.6	7.4	7.9	9.6	12.4	16.0	21.1	36.4	59.5	90.9
-47.5°	6.3	6.6	7.4	7.8	9.6	12.1	15.4	20.3	31.8	47.8	77.6
-50°	6.3	6.6	7.4	7.9	9.5	11.8	15.0	19.4	26.0	41.1	63.4
-52.5°	6.3	6.6	7.4	7.9	9.4	11.4	14.5	18.4	23.1	34.1	49.1
-55°	6.3	6.6	7.4	8.0	9.3	11.2	14.0	17.3	21.4	26.7	40.7
-57.5°	6.3	6.6	7.4	8.0	9.1	11.0	13.4	16.6	19.7	23.5	31.9
-60°	6.3	6.6	7.4	8.0	9.0	10.8	12.9	15.7	18.1	21.5	25.0
-62.5°	6.3	6.6	7.4	8.0	8.9	10.5	12.5	14.8	17.0	19.4	22.7
-65°	6.3	6.5	7.3	7.9	8.8	10.2	12.1	13.9	15.9	18.0	20.4
-67.5°	6.3	6.5	7.2	7.9	8.7	9.9	11.6	13.3	14.8	16.8	18.7
-70°	6.3	6.5	7.1	7.9	8.5	9.6	11.1	12.7	14.1	15.5	17.3
-72.5°	6.3	6.5	7.0	7.7	8.4	9.3	10.6	12.0	13.3	14.6	15.9
-75°	6.3	6.5	6.9	7.6	8.2	9.0	10.1	11.3	12.6	13.8	15.0
-77.5°	6.3	6.4	6.8	7.4	8.0	8.6	9.5	10.5	11.6	12.8	14.0
-80°	6.3	6.4	6.7	7.3	7.8	8.3	8.9	9.7	10.6	11.5	12.6
-82.5°	6.3	6.4	6.6	7.1	7.6	8.1	8.5	9.0	9.5	10.3	11.1
-85°	6.3	6.4	6.5	7.0	7.4	7.8	8.2	8.5	8.9	9.3	9.7
-87.5°	6.3	6.3	6.4	6.8	7.2	7.5	7.9	8.1	8.2	8.4	8.7
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3



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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°	7.6	7.6	7.6	7.6	7.9	8.2	8.5	8.8	8.8	8.8	8.8
87.5°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.8	3.8	3.8
85°	6.0	5.7	5.4	5.1	4.9	4.6	4.5	4.3	4.3	4.2	4.0
82.5°	6.0	5.7	5.4	5.1	5.0	5.1	5.1	5.1	4.8	4.5	4.2
80°	6.0	5.7	5.6	5.5	5.5	5.5	5.3	5.1	4.8	4.6	4.4
77.5°	6.1	6.0	6.0	6.1	6.1	5.9	5.8	5.8	5.7	5.6	5.4
75°	6.2	6.3	6.4	6.4	6.2	6.2	6.3	6.3	6.2	6.1	6.1
72.5°	6.5	6.7	6.6	6.5	6.3	6.3	6.3	6.3	7.1	8.2	9.2
70°	7.0	7.1	6.8	6.5	6.3	6.7	8.1	9.8	11.5	13.3	15.5
67.5°	7.5	7.2	6.9	6.8	7.8	9.4	11.4	16.0	21.6	24.0	25.0
65°	7.6	7.3	7.6	8.5	9.9	13.3	18.3	24.8	31.9	33.2	32.4
62.5°	7.7	7.9	8.8	10.5	13.3	17.7	24.2	31.5	39.6	39.7	34.7
60°	8.2	8.7	10.6	13.5	16.7	21.7	29.1	34.8	40.7	43.0	32.8
57.5°	8.8	10.1	13.1	16.7	20.7	24.3	28.4	33.8	36.2	36.0	26.6
55°	10.0	12.3	15.9	20.3	23.3	22.5	25.3	27.1	27.5	25.6	18.5
52.5°	12.0	14.6	19.2	23.0	23.6	21.3	19.7	20.7	19.4	16.6	14.4
50°	13.9	17.6	22.2	24.6	23.3	19.0	15.7	15.9	15.0	13.7	12.3
47.5°	16.1	20.3	24.7	25.7	21.3	18.2	15.3	14.1	13.5	13.0	11.9
45°	18.1	22.3	26.9	24.0	20.7	18.9	16.6	13.9	13.9	13.5	13.4
42.5°	19.8	23.8	25.7	22.5	22.1	20.8	18.7	16.3	15.2	15.8	16.2
40°	20.9	24.9	24.6	24.7	24.3	23.5	22.1	20.1	18.0	19.4	20.2
37.5°	21.7	24.7	25.4	28.2	27.3	27.0	26.1	26.4	24.9	24.2	27.1
35°	22.2	25.3	29.7	33.0	32.5	31.4	33.0	34.0	33.5	32.5	37.3
32.5°	22.8	26.6	35.0	38.5	39.8	39.1	41.2	43.1	45.2	47.6	55.3
30°	25.3	31.5	41.1	44.8	48.8	53.3	52.3	53.8	59.4	77.4	94.1
27.5°	30.1	37.9	47.1	53.3	60.3	70.9	73.1	70.4	87.6	116.2	146.0
25°	35.6	57.0	53.6	63.3	77.4	92.0	99.8	105.9	129.5	171.4	202.6
22.5°	46.5	82.2	81.7	74.3	96.7	116.3	135.2	177.1	236.6	255.7	261.8
20°	65.0	107.5	115.4	117.9	125.6	143.5	175.7	274.1	393.1	437.9	390.0
17.5°	86.9	135.1	152.5	171.7	195.2	200.5	227.9	390.8	587.8	655.1	655.4
15°	111.3	164.6	192.0	230.8	269.4	293.8	384.6	581.5	798.4	905.1	966.0
12.5°	137.4	195.6	233.2	294.0	347.3	390.0	588.2	902.3	1104.1	1197.2	1374.8
10°	164.4	227.5	275.5	359.9	427.7	488.2	817.3	1244.7	1441.2	1532.4	1735.3
7.5°	191.2	257.3	316.8	427.0	509.3	587.1	1061.1	1598.4	1766.5	1847.7	2013.1
5°	217.0	283.7	349.5	478.0	573.9	668.2	1282.3	1950.7	2081.6	2147.2	2240.6
2.5°	240.8	308.7	380.9	523.8	625.7	719.3	1378.5	2105.4	2249.1	2347.4	2427.0
0°	261.4	332.2	410.5	565.8	674.5	766.7	1448.7	2233.1	2384.6	2502.1	2598.1
-2.5°	262.4	337.1	420.2	564.1	663.6	759.1	1381.7	2204.2	2431.1	2607.4	2751.3
-5°	259.9	340.0	427.3	558.6	650.2	747.7	1293.5	2135.0	2440.6	2628.3	2775.3
-7.5°	254.8	340.8	431.5	548.8	630.3	718.9	1216.4	1993.6	2330.2	2491.0	2647.1
-10°	248.0	338.8	425.3	526.0	601.6	679.3	1118.4	1829.2	2217.2	2355.2	2500.2
-12.5°	242.1	334.9	416.2	503.5	572.4	638.6	990.1	1648.4	2105.1	2225.3	2341.1
-15°	235.2	329.6	405.8	482.5	543.6	597.6	830.0	1457.1	1995.6	2130.6	2220.1
-17.5°	227.8	323.3	394.7	464.1	515.6	556.9	640.5	1227.2	1813.2	2019.0	2123.8
-20°	220.5	316.0	383.0	449.2	489.2	528.2	584.2	992.9	1528.8	1884.3	2018.1



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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°	213.6	308.0	371.5	434.0	475.1	509.7	554.5	765.0	1228.3	1732.0	1893.3
-25°	211.1	295.5	360.3	419.3	464.7	492.2	524.0	573.5	950.9	1429.6	1753.1
-27.5°	210.4	285.2	347.1	403.8	456.5	477.3	501.7	539.5	732.8	1119.4	1580.3
-30°	207.1	270.4	332.6	387.5	440.6	468.9	484.3	514.2	566.0	863.0	1241.1
-32.5°	197.5	254.6	315.3	370.2	421.8	463.9	475.7	500.9	539.1	624.0	930.8
-35°	185.5	239.7	296.5	351.4	402.5	449.4	475.6	490.5	516.0	556.5	694.4
-37.5°	174.2	223.6	277.1	331.0	380.9	428.3	474.0	487.2	504.3	533.3	585.8
-40°	161.1	206.6	258.0	309.2	357.4	404.4	449.5	487.7	498.0	527.2	563.9
-42.5°	146.1	190.1	238.3	286.2	331.3	377.3	422.7	465.5	505.6	525.6	554.0
-45°	129.6	171.5	217.5	260.3	302.5	347.5	391.8	436.3	488.1	534.6	553.7
-47.5°	111.7	151.1	194.2	232.6	271.9	313.6	358.0	404.9	457.0	508.5	561.8
-50°	93.4	129.8	167.2	203.7	239.7	277.9	318.7	368.1	417.9	469.4	521.1
-52.5°	76.5	107.0	140.6	174.1	207.2	240.8	279.9	324.5	372.5	421.9	467.8
-55°	58.7	85.8	113.2	144.1	175.1	205.0	239.6	279.9	321.4	367.0	408.5
-57.5°	45.6	64.5	88.1	113.4	142.0	171.0	202.4	234.7	271.6	309.9	344.2
-60°	35.2	47.5	64.5	85.8	107.8	135.3	164.8	194.2	224.0	252.1	281.4
-62.5°	26.0	35.7	46.4	60.1	79.1	99.5	124.8	151.7	178.8	202.7	224.1
-65°	23.4	26.1	33.6	43.1	52.1	70.0	89.1	108.2	131.5	152.4	171.8
-67.5°	20.7	23.2	25.6	29.4	37.8	47.1	56.8	73.5	90.2	104.7	119.1
-70°	19.0	20.4	22.5	24.6	26.9	31.2	39.4	47.9	56.4	66.5	79.2
-72.5°	17.3	18.6	19.9	21.2	23.2	25.5	27.9	30.4	35.4	42.1	49.1
-75°	15.9	16.9	18.0	19.2	20.4	21.8	23.3	25.4	27.3	29.1	30.6
-77.5°	14.7	15.4	16.2	17.1	18.0	19.1	20.2	21.4	22.6	24.0	25.4
-80°	13.3	13.9	14.4	15.0	15.6	16.4	17.1	18.0	18.6	19.3	20.0
-82.5°	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.5	14.7	14.9	15.2
-85°	9.9	10.1	10.4	10.7	10.9	11.2	11.4	11.7	11.6	11.5	11.4
-87.5°	8.8	8.8	8.9	9.0	9.2	9.4	9.6	9.7	9.5	9.3	9.1
-90°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.8	3.8	3.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.8	8.8	8.8	8.8	8.8	12.3	15.7	19.2	22.7	31.2	39.7
87.5°	3.8	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.3	1.3	1.3
85°	3.8	3.5	3.2	2.8	2.5	2.5	2.4	2.4	2.4	2.2	1.9
82.5°	3.8	3.7	3.5	3.5	3.4	3.3	3.0	2.8	2.5	2.2	1.9
80°	4.2	4.2	4.1	4.0	3.8	3.5	3.2	2.9	2.5	2.5	2.5
77.5°	5.3	5.1	4.7	4.4	3.9	3.7	3.6	3.6	3.6	3.4	3.1
75°	6.2	6.1	6.0	5.7	5.1	5.0	5.0	5.0	4.9	4.6	4.4
72.5°	10.0	10.2	9.7	9.4	8.6	8.3	8.4	8.3	8.0	7.9	7.8
70°	16.7	16.9	16.4	15.1	13.3	12.0	11.4	10.8	10.0	10.1	10.8
67.5°	24.2	22.5	20.8	18.7	15.9	13.9	12.9	11.8	10.6	10.0	9.8
65°	29.3	23.3	19.8	17.5	16.0	14.5	12.8	11.3	9.9	9.0	8.5
62.5°	28.0	19.8	16.2	14.6	13.3	12.2	10.6	9.1	7.9	7.1	7.1
60°	24.0	16.6	12.7	11.4	10.1	8.9	8.1	7.3	6.7	6.4	6.8
57.5°	18.7	13.0	10.0	9.5	8.8	8.0	7.5	7.2	6.8	6.3	6.7
55°	13.7	11.4	10.2	9.8	9.4	9.0	8.5	7.9	7.5	7.1	7.4
52.5°	11.8	11.2	11.1	11.0	10.2	9.5	8.8	8.7	8.5	8.4	8.5
50°	11.6	11.5	11.5	11.2	10.6	10.2	10.0	9.9	9.8	9.7	9.7
47.5°	11.9	12.0	12.0	11.5	11.3	11.5	11.4	11.3	11.5	11.6	11.8
45°	13.0	13.4	13.5	13.7	13.4	13.7	13.8	13.7	15.7	15.9	15.0
42.5°	15.8	17.5	18.7	18.3	16.7	20.0	24.9	27.1	24.9	21.7	19.6
40°	22.5	24.6	25.4	27.2	33.8	38.9	34.2	29.5	27.5	29.2	30.6
37.5°	31.4	34.2	42.2	52.4	48.7	39.6	40.6	41.0	40.1	42.8	43.1
35°	45.9	59.0	68.6	65.6	61.0	60.0	62.2	62.9	56.9	59.6	60.6
32.5°	73.6	89.5	90.2	86.2	88.4	88.9	95.1	90.9	85.7	88.2	95.3
30°	106.3	122.0	127.7	120.5	107.1	114.6	120.9	119.0	122.7	133.5	144.9
27.5°	157.4	167.6	177.1	162.4	135.9	147.5	152.0	147.4	172.6	186.2	213.1
25°	218.4	229.9	237.3	225.1	206.8	197.3	211.6	222.4	253.1	283.1	325.1
22.5°	284.8	315.7	324.5	292.6	292.5	292.4	297.9	334.5	375.9	442.0	552.9
20°	362.2	423.6	472.7	440.2	398.5	426.7	461.5	506.3	624.2	924.1	1265.0
17.5°	636.5	593.5	683.8	686.7	626.8	692.5	817.5	978.4	1475.9	3005.7	4008.4
15°	1083.1	1037.7	981.5	984.4	1043.6	1172.4	1428.1	2318.9	4516.2	7781.2	11155.5
12.5°	1538.9	1470.9	1388.2	1366.3	1495.4	1754.7	2961.4	6626.8	11800.8	17435.3	31888.8
10°	1898.7	1862.4	1786.1	1843.1	2058.9	2820.1	5287.9	11645.3	22322.0	40988.9	64021.9
7.5°	2109.7	2095.9	2116.5	2283.8	2635.4	4639.7	10065.7	19515.7	37109.6	65396.9	106893.0
5°	2321.6	2333.2	2395.5	2625.6	3075.7	5901.6	14206.5	27119.5	53732.0	95312.7	159572.3
2.5°	2556.5	2567.1	2650.8	2940.5	3455.7	6098.9	15192.0	31962.0	68127.4	122616.6	207797.1
0°	2826.7	2766.1	2791.3	3055.3	3587.0	7113.4	17532.3	35049.4	75399.8	133958.1	220837.7
-2.5°	2922.6	2792.9	2769.2	2992.2	3458.3	6303.8	15661.4	32592.6	69253.0	122722.4	205924.2
-5°	2857.5	2680.3	2609.4	2791.7	3234.2	5527.6	13168.7	29656.9	61486.0	104983.0	174492.0
-7.5°	2695.7	2525.7	2421.2	2558.5	2944.8	4554.8	10087.1	22458.2	44754.8	77676.0	123955.1
-10°	2556.8	2393.9	2234.5	2278.6	2546.1	3390.4	6279.7	14710.5	29568.8	52433.5	78807.2
-12.5°	2436.5	2300.0	2061.5	1989.0	2139.0	2535.2	4382.9	10026.6	18913.6	29743.8	48231.2
-15°	2312.1	2200.3	1962.0	1847.4	1900.8	2093.8	2594.3	4815.9	10356.2	17628.2	25592.4
-17.5°	2174.1	2097.3	1954.1	1784.7	1712.2	1789.8	2028.9	2715.0	4602.3	9134.3	14100.3
-20°	2080.6	2037.9	1932.8	1784.0	1690.9	1655.1	1738.0	1948.1	2411.6	4148.6	6288.0



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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°	1963.5	1945.7	1874.8	1832.2	1764.1	1687.2	1614.5	1679.6	1833.4	2070.2	2809.4
-25°	1852.7	1856.9	1861.6	1917.7	1906.7	1799.2	1661.2	1562.4	1614.2	1688.5	1838.1
-27.5°	1730.1	1790.9	1885.4	1990.8	2039.8	1948.9	1786.3	1638.2	1594.1	1550.7	1614.0
-30°	1622.4	1746.3	1847.5	1976.3	2060.8	2033.6	1949.8	1849.9	1741.8	1666.6	1641.9
-32.5°	1344.5	1688.1	1781.7	1885.2	2011.3	2051.5	2041.9	2003.5	1957.3	1904.3	1849.4
-35°	1044.9	1426.3	1740.2	1799.7	1882.2	2001.1	2094.7	2101.2	2095.2	2075.8	2061.0
-37.5°	737.9	1101.0	1431.6	1697.0	1795.9	1875.1	2018.5	2128.1	2190.4	2185.5	2186.9
-40°	612.8	712.8	1045.4	1352.1	1579.5	1791.5	1905.9	2049.3	2163.3	2209.8	2245.1
-42.5°	591.2	629.9	669.7	899.8	1192.4	1449.0	1646.2	1828.3	1989.3	2104.0	2195.2
-45°	575.9	602.2	632.3	670.5	711.7	940.8	1195.7	1432.7	1587.6	1742.5	1904.2
-47.5°	575.3	581.7	603.1	630.0	656.2	693.4	735.9	793.8	965.2	1120.8	1285.1
-50°	558.1	584.1	591.3	599.5	616.3	636.8	656.8	677.6	697.2	709.5	726.2
-52.5°	507.4	541.0	572.5	597.0	603.4	609.6	615.4	628.9	642.0	652.9	665.2
-55°	446.1	481.7	516.4	544.6	570.0	594.0	611.9	614.9	618.8	623.6	631.1
-57.5°	379.8	414.4	447.2	476.8	504.6	530.5	549.1	563.0	575.9	588.3	604.2
-60°	311.5	342.1	372.1	400.7	428.1	454.2	471.4	485.5	497.7	509.8	526.2
-62.5°	244.6	268.0	295.1	320.9	344.8	367.2	385.0	400.1	412.7	425.3	440.6
-65°	190.1	207.6	227.7	246.5	264.2	284.9	304.1	319.9	332.6	345.0	358.6
-67.5°	135.7	151.9	170.6	188.1	204.6	220.4	236.5	251.6	265.7	279.9	294.1
-70°	90.7	102.1	115.7	130.6	146.0	160.4	174.2	187.4	200.0	212.6	224.7
-72.5°	56.2	63.3	70.9	80.8	91.2	101.2	111.0	120.9	130.5	141.9	153.2
-75°	32.0	34.9	40.6	46.1	51.4	56.3	60.5	64.1	67.1	73.7	81.1
-77.5°	26.9	28.3	29.8	31.3	32.8	34.9	37.2	39.6	42.0	47.4	53.3
-80°	20.9	21.9	22.9	24.0	25.1	26.7	28.3	29.9	31.3	35.3	39.5
-82.5°	15.5	15.9	16.4	16.8	17.1	18.3	19.6	20.8	22.0	25.3	28.7
-85°	11.2	11.4	11.6	11.7	11.9	12.9	14.0	15.1	16.1	19.3	22.6
-87.5°	8.8	8.8	8.8	8.8	8.8	9.9	11.0	12.0	12.9	16.4	19.8
-90°	3.8	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.3	1.3	1.3



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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°	48.3	56.8	48.0	39.2	48.0	56.8	48.3	39.7	31.2	22.7	19.2
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2	2.4	2.4
82.5°	1.6	1.3	1.9	2.5	1.9	1.3	1.6	1.9	2.2	2.5	2.8
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.9
77.5°	2.8	2.5	2.5	2.5	2.5	2.5	2.8	3.1	3.4	3.6	3.6
75°	4.1	3.8	3.8	3.8	3.8	3.8	4.1	4.4	4.6	4.9	5.0
72.5°	7.7	7.5	7.6	7.6	7.6	7.5	7.7	7.8	7.9	8.0	8.3
70°	11.6	12.4	12.6	12.6	12.6	12.4	11.6	10.8	10.1	10.0	10.8
67.5°	9.4	9.0	8.8	8.8	8.8	9.0	9.4	9.8	10.0	10.6	11.8
65°	8.1	7.7	7.6	7.6	7.6	7.7	8.1	8.5	9.0	9.9	11.3
62.5°	7.2	7.5	7.6	7.6	7.6	7.5	7.2	7.1	7.1	7.9	9.1
60°	7.1	7.5	7.6	7.6	7.6	7.5	7.1	6.8	6.4	6.7	7.3
57.5°	7.1	7.5	7.6	7.6	7.6	7.5	7.1	6.7	6.3	6.8	7.2
55°	7.5	7.6	8.1	8.8	8.1	7.6	7.5	7.4	7.1	7.5	7.9
52.5°	8.6	8.7	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.5	8.7
50°	9.9	10.0	10.1	10.1	10.1	10.0	9.9	9.7	9.7	9.8	9.9
47.5°	12.2	12.4	12.6	12.6	12.6	12.4	12.2	11.8	11.6	11.5	11.3
45°	15.2	15.2	15.1	15.2	15.1	15.2	15.2	15.0	15.9	15.7	13.7
42.5°	20.3	20.9	21.4	21.5	21.4	20.9	20.3	19.6	21.7	24.9	27.1
40°	32.1	32.6	32.2	31.6	32.2	32.6	32.1	30.6	29.2	27.5	29.5
37.5°	43.6	44.5	45.1	45.5	45.1	44.5	43.6	43.1	42.8	40.1	41.0
35°	61.2	61.9	61.6	63.2	61.6	61.9	61.2	60.6	59.6	56.9	62.9
32.5°	99.8	100.4	97.3	98.5	97.3	100.4	99.8	95.3	88.2	85.7	90.9
30°	152.9	159.9	164.1	169.2	164.1	159.9	152.9	144.9	133.5	122.7	119.0
27.5°	232.7	249.9	261.1	267.8	261.1	249.9	232.7	213.1	186.2	172.6	147.4
25°	363.4	389.6	403.6	414.3	403.6	389.6	363.4	325.1	283.1	253.1	222.4
22.5°	705.9	805.8	861.6	914.4	861.6	805.8	705.9	552.9	442.0	375.9	334.5
20°	1810.1	1926.7	2146.4	2282.3	2146.4	1926.7	1810.1	1265.0	924.1	624.2	506.3
17.5°	6097.8	7774.1	8087.1	8323.4	8087.1	7774.1	6097.8	4008.4	3005.7	1475.9	978.4
15°	18159.2	23134.4	24473.5	25613.2	24473.5	23134.4	18159.2	11155.5	7781.2	4516.2	2318.9
12.5°	43844.2	57537.4	64985.3	70643.8	64985.3	57537.4	43844.2	31888.8	17435.3	11800.8	6626.8
10°	91859.9	118668.2	139015.8	150799.5	139015.8	118668.2	91859.9	64021.9	40988.9	22322.0	11645.3
7.5°	156433.7	201871.5	228432.6	241952.6	228432.6	201871.5	156433.7	106893.0	65396.9	37109.6	19515.7
5°	235945.9	294601.5	331670.6	352053.8	331670.6	294601.5	235945.9	159572.3	95312.7	53732.0	27119.5
2.5°	294718.9	369968.5	425533.7	451670.5	425533.7	369968.5	294718.9	207797.1	122616.6	68127.4	31962.0
0°	315999.7	394947.9	458467.6	496520.4	458467.6	394947.9	315999.7	220837.7	133958.1	75399.8	35049.4
-2.5°	295684.5	369799.8	419273.0	442294.9	419273.0	369799.8	295684.5	205924.2	122722.4	69253.0	32592.6
-5°	251437.7	315515.7	351068.2	366117.8	351068.2	315515.7	251437.7	174492.0	104983.0	61486.0	29656.9
-7.5°	178390.6	227269.7	252257.5	267081.4	252257.5	227269.7	178390.6	123955.1	77676.0	44754.8	22458.2
-10°	112314.1	139791.9	163694.4	174506.8	163694.4	139791.9	112314.1	78807.2	52433.5	29568.8	14710.5
-12.5°	65226.1	82622.8	96608.4	102549.4	96608.4	82622.8	65226.1	48231.2	29743.8	18913.6	10026.6
-15°	36045.8	45552.6	51991.6	54510.3	51991.6	45552.6	36045.8	25592.4	17628.2	10356.2	4815.9
-17.5°	20044.3	24657.4	26487.6	29422.5	26487.6	24657.4	20044.3	14100.3	9134.3	4602.3	2715.0
-20°	9819.9	12211.9	12978.9	15049.1	12978.9	12211.9	9819.9	6288.0	4148.6	2411.6	1948.1



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3814.4	4379.0	4504.8	5486.7	4504.8	4379.0	3814.4	2809.4	2070.2	1833.4	1679.6
-25°	1980.9	2076.1	2120.3	2235.6	2120.3	2076.1	1980.9	1838.1	1688.5	1614.2	1562.4
-27.5°	1665.2	1711.3	1748.1	1803.6	1748.1	1711.3	1665.2	1614.0	1550.7	1594.1	1638.2
-30°	1623.0	1614.9	1615.9	1621.7	1615.9	1614.9	1623.0	1641.9	1666.6	1741.8	1849.9
-32.5°	1805.7	1777.7	1763.8	1711.4	1763.8	1777.7	1805.7	1849.4	1904.3	1957.3	2003.5
-35°	2052.1	2049.8	2051.6	2027.2	2051.6	2049.8	2052.1	2061.0	2075.8	2095.2	2101.2
-37.5°	2187.6	2191.6	2196.4	2188.9	2196.4	2191.6	2187.6	2186.9	2185.5	2190.4	2128.1
-40°	2257.4	2268.9	2276.9	2274.7	2276.9	2268.9	2257.4	2245.1	2209.8	2163.3	2049.3
-42.5°	2240.7	2268.8	2282.7	2287.4	2282.7	2268.8	2240.7	2195.2	2104.0	1989.3	1828.3
-45°	2052.2	2167.2	2236.6	2255.8	2236.6	2167.2	2052.2	1904.2	1742.5	1587.6	1432.7
-47.5°	1470.1	1640.3	1799.9	1940.0	1799.9	1640.3	1470.1	1285.1	1120.8	965.2	793.8
-50°	746.9	766.2	805.5	862.7	805.5	766.2	746.9	726.2	709.5	697.2	677.6
-52.5°	677.4	688.5	699.5	709.8	699.5	688.5	677.4	665.2	652.9	642.0	628.9
-55°	638.3	645.1	650.2	654.3	650.2	645.1	638.3	631.1	623.6	618.8	614.9
-57.5°	617.8	629.2	638.9	646.7	638.9	629.2	617.8	604.2	588.3	575.9	563.0
-60°	540.7	553.2	564.8	574.7	564.8	553.2	540.7	526.2	509.8	497.7	485.5
-62.5°	453.7	464.7	476.1	486.3	476.1	464.7	453.7	440.6	425.3	412.7	400.1
-65°	370.7	381.3	390.8	399.1	390.8	381.3	370.7	358.6	345.0	332.6	319.9
-67.5°	307.2	319.3	331.3	342.3	331.3	319.3	307.2	294.1	279.9	265.7	251.6
-70°	235.7	245.6	254.1	261.4	254.1	245.6	235.7	224.7	212.6	200.0	187.4
-72.5°	163.5	172.8	183.4	193.2	183.4	172.8	163.5	153.2	141.9	130.5	120.9
-75°	88.2	94.9	101.3	107.4	101.3	94.9	88.2	81.1	73.7	67.1	64.1
-77.5°	59.2	65.1	69.3	73.3	69.3	65.1	59.2	53.3	47.4	42.0	39.6
-80°	43.6	47.7	51.1	54.3	51.1	47.7	43.6	39.5	35.3	31.3	29.9
-82.5°	32.0	35.3	37.9	40.4	37.9	35.3	32.0	28.7	25.3	22.0	20.8
-85°	25.8	29.0	31.5	34.1	31.5	29.0	25.8	22.6	19.3	16.1	15.1
-87.5°	23.2	26.6	28.4	30.3	28.4	26.6	23.2	19.8	16.4	12.9	12.0
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.7	12.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	1.9	2.2	2.5	2.8	3.2	3.5	3.8	3.8	3.8	3.8	3.8
85°	2.4	2.5	2.5	2.8	3.2	3.5	3.8	4.0	4.2	4.3	4.3
82.5°	3.0	3.3	3.4	3.5	3.5	3.7	3.8	4.2	4.5	4.8	5.1
80°	3.2	3.5	3.8	4.0	4.1	4.2	4.2	4.4	4.6	4.8	5.1
77.5°	3.6	3.7	3.9	4.4	4.7	5.1	5.3	5.4	5.6	5.7	5.8
75°	5.0	5.0	5.1	5.7	6.0	6.1	6.2	6.1	6.1	6.2	6.3
72.5°	8.4	8.3	8.6	9.4	9.7	10.2	10.0	9.2	8.2	7.1	6.3
70°	11.4	12.0	13.3	15.1	16.4	16.9	16.7	15.5	13.3	11.5	9.8
67.5°	12.9	13.9	15.9	18.7	20.8	22.5	24.2	25.0	24.0	21.6	16.0
65°	12.8	14.5	16.0	17.5	19.8	23.3	29.3	32.4	33.2	31.9	24.8
62.5°	10.6	12.2	13.3	14.6	16.2	19.8	28.0	34.7	39.7	39.6	31.5
60°	8.1	8.9	10.1	11.4	12.7	16.6	24.0	32.8	43.0	40.7	34.8
57.5°	7.5	8.0	8.8	9.5	10.0	13.0	18.7	26.6	36.0	36.2	33.8
55°	8.5	9.0	9.4	9.8	10.2	11.4	13.7	18.5	25.6	27.5	27.1
52.5°	8.8	9.5	10.2	11.0	11.1	11.2	11.8	14.4	16.6	19.4	20.7
50°	10.0	10.2	10.6	11.2	11.5	11.5	11.6	12.3	13.7	15.0	15.9
47.5°	11.4	11.5	11.3	11.5	12.0	12.0	11.9	11.9	13.0	13.5	14.1
45°	13.8	13.7	13.4	13.7	13.5	13.4	13.0	13.4	13.5	13.9	13.9
42.5°	24.9	20.0	16.7	18.3	18.7	17.5	15.8	16.2	15.8	15.2	16.3
40°	34.2	38.9	33.8	27.2	25.4	24.6	22.5	20.2	19.4	18.0	20.1
37.5°	40.6	39.6	48.7	52.4	42.2	34.2	31.4	27.1	24.2	24.9	26.4
35°	62.2	60.0	61.0	65.6	68.6	59.0	45.9	37.3	32.5	33.5	34.0
32.5°	95.1	88.9	88.4	86.2	90.2	89.5	73.6	55.3	47.6	45.2	43.1
30°	120.9	114.6	107.1	120.5	127.7	122.0	106.3	94.1	77.4	59.4	53.8
27.5°	152.0	147.5	135.9	162.4	177.1	167.6	157.4	146.0	116.2	87.6	70.4
25°	211.6	197.3	206.8	225.1	237.3	229.9	218.4	202.6	171.4	129.5	105.9
22.5°	297.9	292.4	292.5	292.6	324.5	315.7	284.8	261.8	255.7	236.6	177.1
20°	461.5	426.7	398.5	440.2	472.7	423.6	362.2	390.0	437.9	393.1	274.1
17.5°	817.5	692.5	626.8	686.7	683.8	593.5	636.5	655.4	655.1	587.8	390.8
15°	1428.1	1172.4	1043.6	984.4	981.5	1037.7	1083.1	966.0	905.1	798.4	581.5
12.5°	2961.4	1754.7	1495.4	1366.3	1388.2	1470.9	1538.9	1374.8	1197.2	1104.1	902.3
10°	5287.9	2820.1	2058.9	1843.1	1786.1	1862.4	1898.7	1735.3	1532.4	1441.2	1244.7
7.5°	10065.7	4639.7	2635.4	2283.8	2116.5	2095.9	2109.7	2013.1	1847.7	1766.5	1598.4
5°	14206.5	5901.6	3075.7	2625.6	2395.5	2333.2	2321.6	2240.6	2147.2	2081.6	1950.7
2.5°	15192.0	6098.9	3455.7	2940.5	2650.8	2567.1	2556.5	2427.0	2347.4	2249.1	2105.4
0°	17532.3	7113.4	3587.0	3055.3	2791.3	2766.1	2826.7	2598.1	2502.1	2384.6	2233.1
-2.5°	15661.4	6303.8	3458.3	2992.2	2769.2	2792.9	2922.6	2751.3	2607.4	2431.1	2204.2
-5°	13168.7	5527.6	3234.2	2791.7	2609.4	2680.3	2857.5	2775.3	2628.3	2440.6	2135.0
-7.5°	10087.1	4554.8	2944.8	2558.5	2421.2	2525.7	2695.7	2647.1	2491.0	2330.2	1993.6
-10°	6279.7	3390.4	2546.1	2278.6	2234.5	2393.9	2556.8	2500.2	2355.2	2217.2	1829.2
-12.5°	4382.9	2535.2	2139.0	1989.0	2061.5	2300.0	2436.5	2341.1	2225.3	2105.1	1648.4
-15°	2594.3	2093.8	1900.8	1847.4	1962.0	2200.3	2312.1	2220.1	2130.6	1995.6	1457.1
-17.5°	2028.9	1789.8	1712.2	1784.7	1954.1	2097.3	2174.1	2123.8	2019.0	1813.2	1227.2
-20°	1738.0	1655.1	1690.9	1784.0	1932.8	2037.9	2080.6	2018.1	1884.3	1528.8	992.9



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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°	1614.5	1687.2	1764.1	1832.2	1874.8	1945.7	1963.5	1893.3	1732.0	1228.3	765.0
-25°	1661.2	1799.2	1906.7	1917.7	1861.6	1856.9	1852.7	1753.1	1429.6	950.9	573.5
-27.5°	1786.3	1948.9	2039.8	1990.8	1885.4	1790.9	1730.1	1580.3	1119.4	732.8	539.5
-30°	1949.8	2033.6	2060.8	1976.3	1847.5	1746.3	1622.4	1241.1	863.0	566.0	514.2
-32.5°	2041.9	2051.5	2011.3	1885.2	1781.7	1688.1	1344.5	930.8	624.0	539.1	500.9
-35°	2094.7	2001.1	1882.2	1799.7	1740.2	1426.3	1044.9	694.4	556.5	516.0	490.5
-37.5°	2018.5	1875.1	1795.9	1697.0	1431.6	1101.0	737.9	585.8	533.3	504.3	487.2
-40°	1905.9	1791.5	1579.5	1352.1	1045.4	712.8	612.8	563.9	527.2	498.0	487.7
-42.5°	1646.2	1449.0	1192.4	899.8	669.7	629.9	591.2	554.0	525.6	505.6	465.5
-45°	1195.7	940.8	711.7	670.5	632.3	602.2	575.9	553.7	534.6	488.1	436.3
-47.5°	735.9	693.4	656.2	630.0	603.1	581.7	575.3	561.8	508.5	457.0	404.9
-50°	656.8	636.8	616.3	599.5	591.3	584.1	558.1	521.1	469.4	417.9	368.1
-52.5°	615.4	609.6	603.4	597.0	572.5	541.0	507.4	467.8	421.9	372.5	324.5
-55°	611.9	594.0	570.0	544.6	516.4	481.7	446.1	408.5	367.0	321.4	279.9
-57.5°	549.1	530.5	504.6	476.8	447.2	414.4	379.8	344.2	309.9	271.6	234.7
-60°	471.4	454.2	428.1	400.7	372.1	342.1	311.5	281.4	252.1	224.0	194.2
-62.5°	385.0	367.2	344.8	320.9	295.1	268.0	244.6	224.1	202.7	178.8	151.7
-65°	304.1	284.9	264.2	246.5	227.7	207.6	190.1	171.8	152.4	131.5	108.2
-67.5°	236.5	220.4	204.6	188.1	170.6	151.9	135.7	119.1	104.7	90.2	73.5
-70°	174.2	160.4	146.0	130.6	115.7	102.1	90.7	79.2	66.5	56.4	47.9
-72.5°	111.0	101.2	91.2	80.8	70.9	63.3	56.2	49.1	42.1	35.4	30.4
-75°	60.5	56.3	51.4	46.1	40.6	34.9	32.0	30.6	29.1	27.3	25.4
-77.5°	37.2	34.9	32.8	31.3	29.8	28.3	26.9	25.4	24.0	22.6	21.4
-80°	28.3	26.7	25.1	24.0	22.9	21.9	20.9	20.0	19.3	18.6	18.0
-82.5°	19.6	18.3	17.1	16.8	16.4	15.9	15.5	15.2	14.9	14.7	14.5
-85°	14.0	12.9	11.9	11.7	11.6	11.4	11.2	11.4	11.5	11.6	11.7
-87.5°	11.0	9.9	8.8	8.8	8.8	8.8	8.8	9.1	9.3	9.5	9.7
-90°	1.9	2.2	2.5	2.8	3.2	3.5	3.8	3.8	3.8	3.8	3.8



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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°	8.5	8.2	7.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	4.1	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.3	6.3	6.3
85°	4.5	4.6	4.9	5.1	5.4	5.7	6.0	6.3	6.3	6.3	6.3
82.5°	5.1	5.1	5.0	5.1	5.4	5.7	6.0	6.3	6.3	6.3	6.3
80°	5.3	5.5	5.5	5.5	5.6	5.7	6.0	6.3	6.3	6.3	6.3
77.5°	5.8	5.9	6.1	6.1	6.0	6.0	6.1	6.3	6.3	6.3	6.3
75°	6.3	6.2	6.2	6.4	6.4	6.3	6.2	6.4	6.4	6.3	6.3
72.5°	6.3	6.3	6.3	6.5	6.6	6.7	6.5	6.4	6.6	6.6	6.4
70°	8.1	6.7	6.3	6.5	6.8	7.1	7.0	6.9	6.8	6.8	6.7
67.5°	11.4	9.4	7.8	6.8	6.9	7.2	7.5	7.4	7.3	7.1	7.0
65°	18.3	13.3	9.9	8.5	7.6	7.3	7.6	7.9	7.8	7.6	7.4
62.5°	24.2	17.7	13.3	10.5	8.8	7.9	7.7	8.1	8.2	8.0	7.8
60°	29.1	21.7	16.7	13.5	10.6	8.7	8.2	8.3	8.5	8.4	8.1
57.5°	28.4	24.3	20.7	16.7	13.1	10.1	8.8	8.8	8.8	8.8	8.5
55°	25.3	22.5	23.3	20.3	15.9	12.3	10.0	9.4	9.3	9.2	9.0
52.5°	19.7	21.3	23.6	23.0	19.2	14.6	12.0	10.0	9.8	9.6	9.5
50°	15.7	19.0	23.3	24.6	22.2	17.6	13.9	11.5	10.3	10.1	10.1
47.5°	15.3	18.2	21.3	25.7	24.7	20.3	16.1	13.1	10.9	10.5	10.8
45°	16.6	18.9	20.7	24.0	26.9	22.3	18.1	14.6	12.2	11.3	11.5
42.5°	18.7	20.8	22.1	22.5	25.7	23.8	19.8	16.1	13.4	12.2	12.2
40°	22.1	23.5	24.3	24.7	24.6	24.9	20.9	17.4	14.6	13.3	13.0
37.5°	26.1	27.0	27.3	28.2	25.4	24.7	21.7	18.5	16.2	14.7	13.9
35°	33.0	31.4	32.5	33.0	29.7	25.3	22.2	19.2	18.0	16.2	14.8
32.5°	41.2	39.1	39.8	38.5	35.0	26.6	22.8	21.3	20.0	17.5	15.8
30°	52.3	53.3	48.8	44.8	41.1	31.5	25.3	23.7	22.1	18.9	16.9
27.5°	73.1	70.9	60.3	53.3	47.1	37.9	30.1	26.4	24.3	20.4	18.0
25°	99.8	92.0	77.4	63.3	53.6	57.0	35.6	29.4	26.6	22.2	19.2
22.5°	135.2	116.3	96.7	74.3	81.7	82.2	46.5	33.9	29.0	24.1	20.3
20°	175.7	143.5	125.6	117.9	115.4	107.5	65.0	38.7	31.5	26.0	21.3
17.5°	227.9	200.5	195.2	171.7	152.5	135.1	86.9	43.8	34.1	27.9	22.4
15°	384.6	293.8	269.4	230.8	192.0	164.6	111.3	49.1	36.8	29.8	22.8
12.5°	588.2	390.0	347.3	294.0	233.2	195.6	137.4	54.5	39.5	30.7	22.5
10°	817.3	488.2	427.7	359.9	275.5	227.5	164.4	59.6	40.7	30.6	22.1
7.5°	1061.1	587.1	509.3	427.0	316.8	257.3	191.2	64.3	41.7	30.4	21.7
5°	1282.3	668.2	573.9	478.0	349.5	283.7	217.0	68.9	42.7	30.1	21.3
2.5°	1378.5	719.3	625.7	523.8	380.9	308.7	240.8	73.2	43.6	29.6	20.8
0°	1448.7	766.7	674.5	565.8	410.5	332.2	261.4	77.0	44.2	29.0	20.2
-2.5°	1381.7	759.1	663.6	564.1	420.2	337.1	262.4	89.0	52.9	34.2	22.3
-5°	1293.5	747.7	650.2	558.6	427.3	340.0	259.9	100.2	61.2	39.1	24.4
-7.5°	1216.4	718.9	630.3	548.8	431.5	340.8	254.8	110.3	68.8	43.6	26.2
-10°	1118.4	679.3	601.6	526.0	425.3	338.8	248.0	119.3	75.7	47.5	27.8
-12.5°	990.1	638.6	572.4	503.5	416.2	334.9	242.1	127.8	81.7	50.8	29.0
-15°	830.0	597.6	543.6	482.5	405.8	329.6	235.2	135.2	88.0	54.1	29.9
-17.5°	640.5	556.9	515.6	464.1	394.7	323.3	227.8	141.0	93.2	57.6	31.3
-20°	584.2	528.2	489.2	449.2	383.0	316.0	220.5	145.0	97.3	60.1	32.9



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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°	554.5	509.7	475.1	434.0	371.5	308.0	213.6	147.2	100.2	61.6	33.8
-25°	524.0	492.2	464.7	419.3	360.3	295.5	211.1	147.4	101.8	61.9	33.9
-27.5°	501.7	477.3	456.5	403.8	347.1	285.2	210.4	148.6	102.1	61.0	33.2
-30°	484.3	468.9	440.6	387.5	332.6	270.4	207.1	148.3	100.9	59.9	31.6
-32.5°	475.7	463.9	421.8	370.2	315.3	254.6	197.5	146.1	98.0	58.0	30.7
-35°	475.6	449.4	402.5	351.4	296.5	239.7	185.5	142.2	93.4	54.9	29.7
-37.5°	474.0	428.3	380.9	331.0	277.1	223.6	174.2	131.5	87.1	50.4	28.1
-40°	449.5	404.4	357.4	309.2	258.0	206.6	161.1	119.1	80.4	44.6	25.9
-42.5°	422.7	377.3	331.3	286.2	238.3	190.1	146.1	105.4	70.5	40.3	23.2
-45°	391.8	347.5	302.5	260.3	217.5	171.5	129.6	90.9	59.5	36.4	21.1
-47.5°	358.0	313.6	271.9	232.6	194.2	151.1	111.7	77.6	47.8	31.8	20.3
-50°	318.7	277.9	239.7	203.7	167.2	129.8	93.4	63.4	41.1	26.0	19.4
-52.5°	279.9	240.8	207.2	174.1	140.6	107.0	76.5	49.1	34.1	23.1	18.4
-55°	239.6	205.0	175.1	144.1	113.2	85.8	58.7	40.7	26.7	21.4	17.3
-57.5°	202.4	171.0	142.0	113.4	88.1	64.5	45.6	31.9	23.5	19.7	16.6
-60°	164.8	135.3	107.8	85.8	64.5	47.5	35.2	25.0	21.5	18.1	15.7
-62.5°	124.8	99.5	79.1	60.1	46.4	35.7	26.0	22.7	19.4	17.0	14.8
-65°	89.1	70.0	52.1	43.1	33.6	26.1	23.4	20.4	18.0	15.9	13.9
-67.5°	56.8	47.1	37.8	29.4	25.6	23.2	20.7	18.7	16.8	14.8	13.3
-70°	39.4	31.2	26.9	24.6	22.5	20.4	19.0	17.3	15.5	14.1	12.7
-72.5°	27.9	25.5	23.2	21.2	19.9	18.6	17.3	15.9	14.6	13.3	12.0
-75°	23.3	21.8	20.4	19.2	18.0	16.9	15.9	15.0	13.8	12.6	11.3
-77.5°	20.2	19.1	18.0	17.1	16.2	15.4	14.7	14.0	12.8	11.6	10.5
-80°	17.1	16.4	15.6	15.0	14.4	13.9	13.3	12.6	11.5	10.6	9.7
-82.5°	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.1	10.3	9.5	9.0
-85°	11.4	11.2	10.9	10.7	10.4	10.1	9.9	9.7	9.3	8.9	8.5
-87.5°	9.6	9.4	9.2	9.0	8.9	8.8	8.8	8.7	8.4	8.2	8.1
-90°	4.1	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.3	6.3	6.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.6	7.3	7.0	6.6	6.3	6.3	6.3
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.4	6.3	6.3	6.3	6.3	6.3
75°	6.4	6.5	6.3	6.3	6.3	6.3	6.3
72.5°	6.4	6.7	6.6	6.3	6.3	6.3	6.3
70°	6.6	6.9	6.8	6.3	6.3	6.3	6.3
67.5°	6.9	7.1	7.1	6.6	6.3	6.3	6.3
65°	7.3	7.3	7.3	6.8	6.3	6.3	6.3
62.5°	7.7	7.7	7.6	7.1	6.3	6.3	6.3
60°	8.1	8.0	7.9	7.4	6.3	6.3	6.3
57.5°	8.5	8.3	8.1	7.6	6.5	6.3	6.3
55°	8.9	8.6	8.4	7.9	6.6	6.3	6.3
52.5°	9.3	8.9	8.6	8.2	6.8	6.3	6.3
50°	9.8	9.3	8.9	8.4	6.9	6.3	6.3
47.5°	10.3	9.7	9.1	8.7	7.1	6.3	6.3
45°	10.9	10.2	9.3	8.9	7.2	6.3	6.3
42.5°	11.6	10.6	9.6	9.1	7.3	6.3	6.3
40°	12.3	11.0	9.9	9.1	7.4	6.3	6.3
37.5°	13.0	11.5	10.2	9.2	7.5	6.3	6.3
35°	13.7	12.0	10.6	9.2	7.6	6.3	6.3
32.5°	14.5	12.6	10.9	9.2	7.6	6.3	6.3
30°	15.3	13.2	11.2	9.3	7.7	6.3	6.3
27.5°	16.1	13.8	11.3	9.3	7.7	6.3	6.3
25°	16.9	14.4	11.4	9.3	7.8	6.3	6.3
22.5°	17.8	14.8	11.3	9.3	7.8	6.3	6.3
20°	18.6	14.8	11.3	9.2	7.8	6.3	6.3
17.5°	18.8	14.7	11.2	9.2	7.8	6.3	6.3
15°	18.4	14.5	11.1	9.2	7.8	6.3	6.3
12.5°	18.0	14.3	11.0	9.1	7.8	6.3	6.3
10°	17.6	14.0	10.9	9.1	7.8	6.3	6.3
7.5°	17.0	13.7	10.7	9.0	7.7	6.3	6.3
5°	16.5	13.4	10.5	9.0	7.7	6.3	6.3
2.5°	15.9	13.0	10.3	8.9	7.6	6.3	6.3
0°	15.2	12.6	10.1	8.8	7.6	6.3	6.3
-2.5°	15.9	12.7	10.2	8.8	7.6	6.3	6.3
-5°	16.5	12.8	10.3	8.8	7.6	6.4	6.3
-7.5°	17.0	12.9	10.4	8.8	7.6	6.4	6.3
-10°	17.4	13.0	10.4	8.7	7.6	6.4	6.3
-12.5°	17.8	13.0	10.5	8.7	7.6	6.4	6.3
-15°	18.0	13.0	10.5	8.7	7.5	6.5	6.3
-17.5°	18.1	13.0	10.5	8.6	7.5	6.5	6.3
-20°	18.4	13.0	10.5	8.6	7.5	6.5	6.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.9	12.9	10.4	8.5	7.5	6.5	6.3
-25°	19.1	13.0	10.3	8.5	7.5	6.5	6.3
-27.5°	19.0	13.1	10.2	8.4	7.4	6.6	6.3
-30°	18.5	13.2	10.0	8.3	7.4	6.6	6.3
-32.5°	17.6	13.2	10.0	8.2	7.4	6.6	6.3
-35°	17.3	13.1	9.9	8.1	7.4	6.6	6.3
-37.5°	17.1	13.0	9.8	8.1	7.4	6.6	6.3
-40°	16.9	12.8	9.7	8.0	7.4	6.6	6.3
-42.5°	16.5	12.6	9.6	7.9	7.4	6.6	6.3
-45°	16.0	12.4	9.6	7.9	7.4	6.6	6.3
-47.5°	15.4	12.1	9.6	7.8	7.4	6.6	6.3
-50°	15.0	11.8	9.5	7.9	7.4	6.6	6.3
-52.5°	14.5	11.4	9.4	7.9	7.4	6.6	6.3
-55°	14.0	11.2	9.3	8.0	7.4	6.6	6.3
-57.5°	13.4	11.0	9.1	8.0	7.4	6.6	6.3
-60°	12.9	10.8	9.0	8.0	7.4	6.6	6.3
-62.5°	12.5	10.5	8.9	8.0	7.4	6.6	6.3
-65°	12.1	10.2	8.8	7.9	7.3	6.5	6.3
-67.5°	11.6	9.9	8.7	7.9	7.2	6.5	6.3
-70°	11.1	9.6	8.5	7.9	7.1	6.5	6.3
-72.5°	10.6	9.3	8.4	7.7	7.0	6.5	6.3
-75°	10.1	9.0	8.2	7.6	6.9	6.5	6.3
-77.5°	9.5	8.6	8.0	7.4	6.8	6.4	6.3
-80°	8.9	8.3	7.8	7.3	6.7	6.4	6.3
-82.5°	8.5	8.1	7.6	7.1	6.6	6.4	6.3
-85°	8.2	7.8	7.4	7.0	6.5	6.4	6.3
-87.5°	7.9	7.5	7.2	6.8	6.4	6.3	6.3
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)