

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: P1305848 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-70-4S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

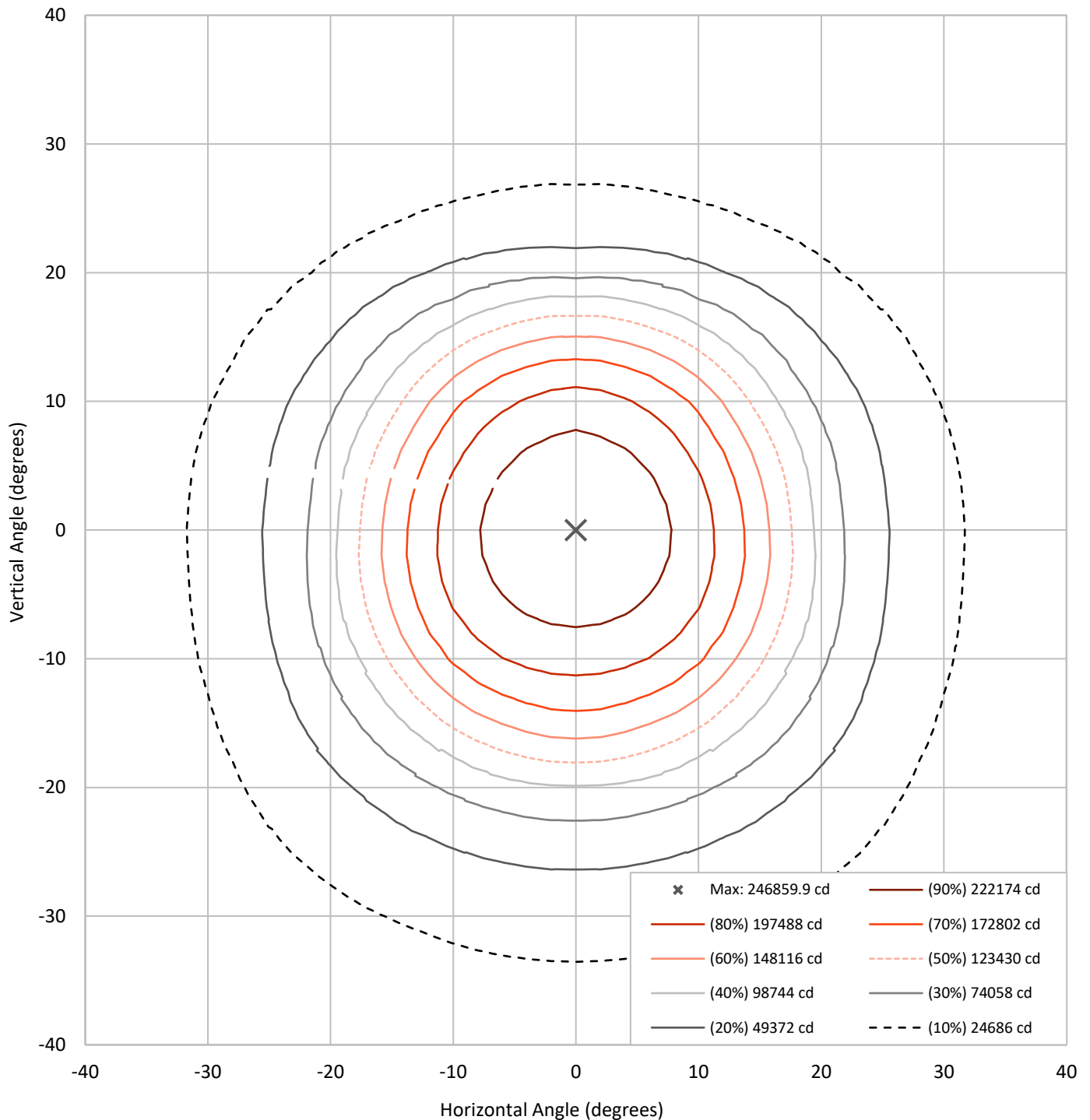
Test Method: LM-79-08  
Report Number: P1305848 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-57-70-4S-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	102402.4 lumens	Max Intensity:	246859.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	54962.4 lumens	Field Lumens:	89440.3 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	688		
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





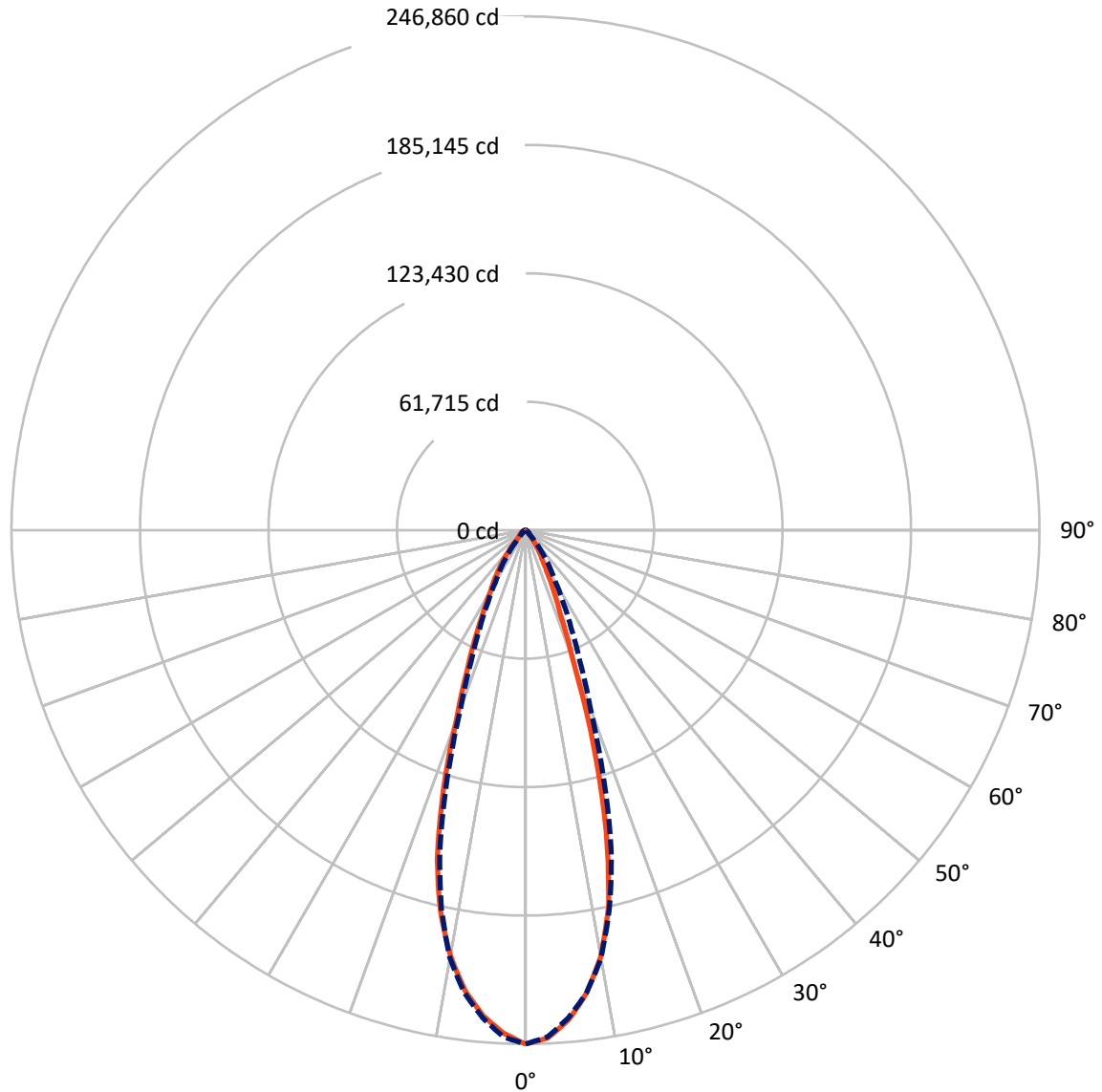
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### Lumen Table

90	0.3	1.1		1.9		2.6		3.0		2.6		1.9		1.1		0.3			
80	0.3	1.1		1.9		2.6		3.0		2.6		1.9		1.1		0.3			
70	0.4	0.2	0.3	0.6	0.9	0.7	0.7	0.8	0.8	0.7	0.7	0.9	0.6	0.3	0.2	0.4			
60		0.5	0.8	1.4	1.3	1.0	1.2	1.4	1.4	1.2	1.0	1.3	1.4	0.8	0.5				
50	1.0	1.3	2.9	5.9	10.7	17.0	24.9	32.1	32.1	24.9	17.0	10.7	5.9	2.9	1.3	1.0			
40		3.1	9.7	18.6	30.6	70.7	158.0	256.1	256.1	158.0	70.7	30.6	18.6	9.7	3.1				
30	2.2	5.4	16.2	31.5	98.8	304.0	663.4	1005.9	1005.9	663.4	304.0	98.8	31.5	16.2	5.4	2.2			
20		7.3	21.3	50.4	257.2	853.0	2279.3	4050.1	4050.1	2279.3	853.0	257.2	50.4	21.3	7.3				
10	3.3	8.9	25.0	69.8	402.6	1400.2	4144.2	6636.0	6636.0	4144.2	1400.2	402.6	69.8	25.0	8.9	3.3			
0		10.0	27.8	78.1	431.5	1470.6	4344.6	6688.5	6688.5	4344.6	1470.6	431.5	78.1	27.8	10.0				
-10	3.8	10.2	29.4	71.9	344.4	1086.3	2734.8	4493.0	4493.0	2734.8	1086.3	344.4	71.9	29.4	10.2	3.8			
-20		9.6	29.2	61.6	189.5	603.3	1184.5	1710.5	1710.5	1184.5	603.3	189.5	61.6	29.2	9.6				
-30	3.5	8.2	26.3	51.6	91.0	223.9	451.0	623.5	623.5	451.0	223.9	91.0	51.6	26.3	8.2	3.5			
-40		6.4	19.7	41.3	65.1	90.3	123.2	157.8	157.8	123.2	90.3	65.1	41.3	19.7	6.4				
-50	3.0	4.8	12.3	26.8	46.3	62.4	75.4	84.6	84.6	75.4	62.4	46.3	26.8	12.3	4.8	3.0			
-60		3.6	7.2	13.6	23.2	32.9	41.9	47.8	47.8	41.9	32.9	23.2	13.6	7.2	3.6				
-70	2.2	13.0		29.2		47.3		58.1		47.3		29.2		13.0		2.2			
-80		13.0		29.2		47.3		58.1		47.3		29.2		13.0					
-90	13.0		29.2		47.3		58.1		47.3		29.2		13.0		2.2				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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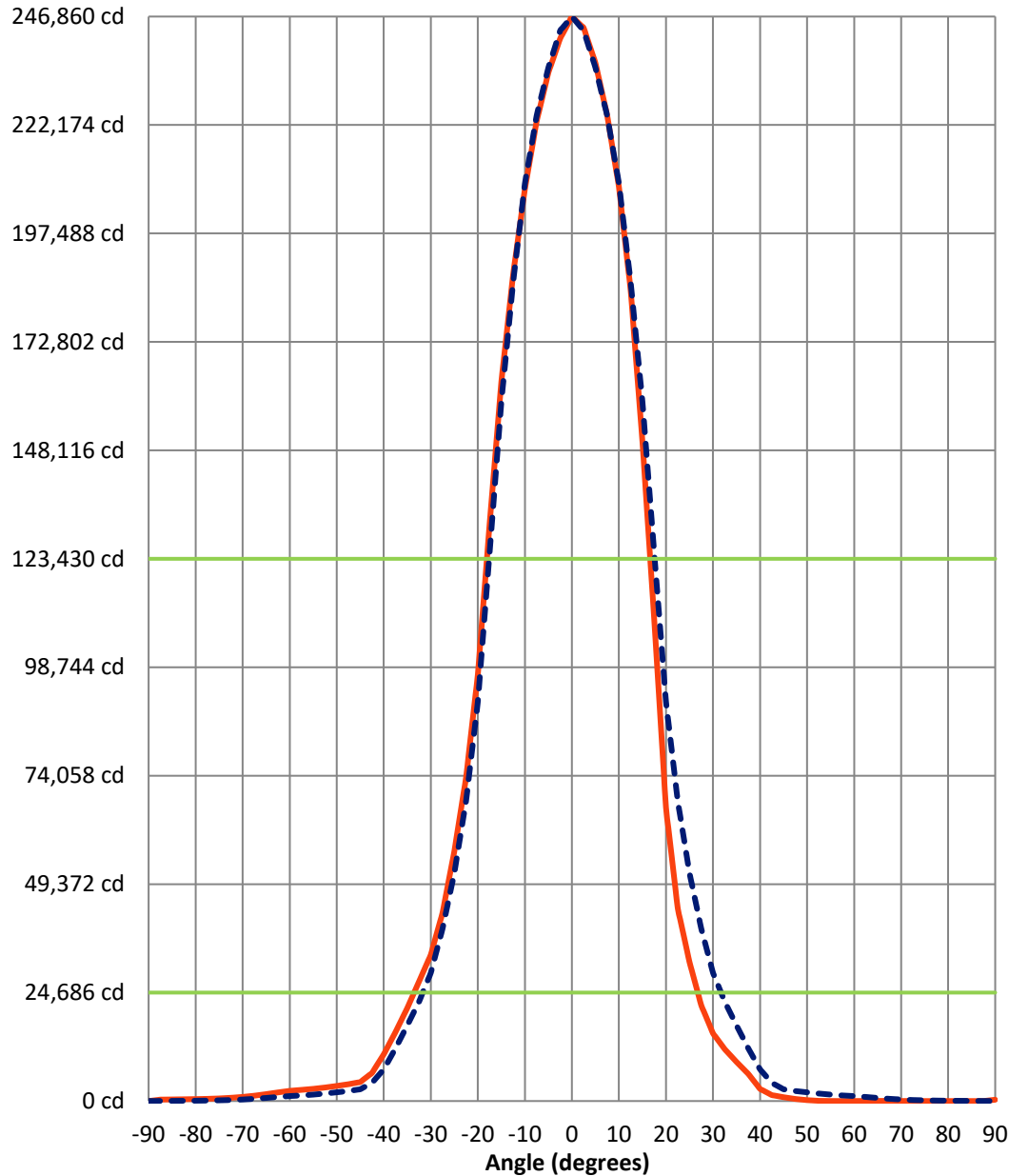
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.2°  
 V Angle: 34.7°  
 Lumens: 54962.4  
 Efficiency: 53.7%

**Field:**  
 H Angle: 63.4°  
 V Angle: 60.3°  
 Lumens: 89440.3  
 Efficiency: 87.3%

**Spill:**  
 Lumens: 12962.1  
 Efficiency: 12.7%

— 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°	11.0	20.7	30.5	50.0	69.6	87.3	105.0	119.1	133.1	142.3	151.4
87.5°	11.0	10.0	8.7	8.8	8.9	8.9	8.8	8.3	7.7	7.8	7.8
85°	11.0	10.2	8.9	9.2	9.4	9.3	9.2	8.7	8.1	8.2	8.3
82.5°	11.0	10.4	9.2	9.5	9.8	9.7	9.5	9.1	8.6	8.8	8.9
80°	11.0	10.6	9.4	9.8	10.2	10.2	9.9	9.7	9.5	9.5	9.4
77.5°	11.0	10.9	9.7	10.1	10.7	10.6	10.6	10.5	10.4	10.3	9.9
75°	11.0	11.1	10.0	10.4	11.1	11.2	11.2	11.2	11.2	10.8	10.1
72.5°	11.0	11.3	10.2	10.7	11.5	11.7	11.8	11.9	11.7	11.2	10.3
70°	11.0	11.6	10.6	11.1	12.0	12.3	12.5	12.6	12.3	11.6	11.2
67.5°	11.0	11.8	10.9	11.6	12.5	12.8	13.4	13.3	12.9	12.7	12.4
65°	11.0	12.0	11.2	12.1	13.0	13.6	14.3	14.0	14.4	13.7	13.9
62.5°	11.0	12.3	11.6	12.6	13.5	14.7	15.3	15.7	16.1	15.3	16.5
60°	11.0	12.5	12.0	13.1	14.0	15.8	16.5	17.8	18.1	19.3	19.7
57.5°	11.0	12.8	12.6	13.6	15.3	17.1	18.8	20.1	22.5	24.0	26.6
55°	11.0	13.0	13.4	14.1	16.7	18.4	21.3	22.8	27.8	30.3	35.7
52.5°	11.0	13.3	14.1	14.6	18.1	19.9	24.0	28.2	33.6	40.9	45.6
50°	11.0	13.6	14.9	15.2	19.6	22.7	26.9	34.1	41.2	52.2	59.1
47.5°	11.0	13.8	15.7	15.9	21.1	25.6	30.2	40.3	52.4	64.4	74.4
45°	11.0	14.1	16.6	17.1	22.8	28.6	35.7	46.7	64.2	79.3	90.7
42.5°	11.0	14.3	17.6	18.4	24.4	31.8	41.4	55.7	76.6	95.0	117.0
40°	11.0	14.6	18.5	20.2	26.6	35.0	47.4	66.8	90.2	111.5	147.4
37.5°	11.0	14.9	19.5	22.3	29.2	38.4	53.6	78.1	105.9	133.0	180.3
35°	11.0	15.1	20.5	24.5	31.8	42.9	59.9	89.6	122.2	163.4	220.2
32.5°	11.0	15.4	21.6	26.7	34.4	47.9	67.1	101.1	139.2	194.6	265.7
30°	11.0	15.7	22.7	28.9	37.0	52.8	76.4	112.9	156.6	226.5	309.1
27.5°	11.0	15.9	23.8	31.1	40.5	57.6	85.5	125.8	175.8	258.7	350.3
25°	11.0	16.2	24.9	33.3	44.1	62.4	94.3	138.1	197.9	292.4	389.4
22.5°	11.0	16.4	26.0	35.5	47.6	67.3	102.8	149.7	218.6	318.5	429.4
20°	11.0	16.7	27.2	37.7	51.1	72.9	110.9	160.8	237.8	342.8	461.8
17.5°	11.0	16.9	28.3	39.9	54.4	78.3	119.3	171.1	255.5	365.4	492.0
15°	11.0	17.1	29.4	42.1	57.7	83.5	127.6	181.4	271.6	386.2	520.5
12.5°	11.0	17.3	30.5	44.2	60.8	88.5	135.5	191.9	287.8	405.0	546.9
10°	11.0	17.6	31.5	46.2	63.8	93.4	142.8	201.8	303.8	429.2	575.9
7.5°	11.0	17.8	32.6	48.2	66.7	97.9	149.5	210.9	318.3	453.1	613.1
5°	11.0	18.0	33.6	50.1	69.4	102.2	155.7	219.2	331.2	475.3	648.2
2.5°	11.0	18.1	34.5	52.0	72.0	106.2	161.2	226.7	342.3	495.3	680.6
0°	11.0	18.3	35.4	53.7	74.5	109.9	166.1	233.3	351.7	512.9	709.5
-2.5°	11.0	19.0	36.8	56.0	78.0	114.3	171.8	241.3	364.1	527.4	724.0
-5°	11.0	19.6	38.0	58.2	81.3	118.4	176.9	248.3	374.4	538.9	734.6
-7.5°	11.0	20.2	39.3	60.2	84.4	122.1	181.2	254.2	382.4	547.3	741.3
-10°	11.0	20.8	40.4	62.1	87.3	125.4	184.8	259.0	387.9	552.6	744.2
-12.5°	11.0	21.4	41.5	63.9	89.9	128.4	187.6	262.6	390.9	554.6	747.5
-15°	11.0	22.0	42.5	65.5	92.4	130.9	189.6	264.9	390.4	552.1	747.3
-17.5°	11.0	22.5	43.4	67.0	94.5	133.0	190.8	266.5	386.6	546.0	741.0
-20°	11.0	23.0	44.2	68.3	96.4	134.7	191.8	267.2	380.4	536.1	728.2



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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°	11.0	23.4	44.9	69.5	98.1	136.0	192.7	266.8	371.9	522.4	709.2
-25°	11.0	23.8	45.6	70.5	99.4	137.6	192.7	265.3	361.2	504.9	689.4
-27.5°	11.0	24.2	46.1	71.3	100.5	139.1	191.9	262.6	348.1	489.8	672.5
-30°	11.0	24.6	46.6	71.9	101.3	140.0	190.2	258.7	340.3	475.8	650.3
-32.5°	11.0	24.9	46.9	72.4	102.7	140.5	187.6	255.4	335.8	458.2	622.5
-35°	11.0	25.2	47.2	72.6	103.8	140.5	186.7	251.5	329.4	436.9	589.0
-37.5°	11.0	25.4	47.4	72.7	104.5	140.5	186.1	246.4	321.1	411.9	557.1
-40°	11.0	25.6	47.5	72.6	105.0	141.1	185.0	239.9	310.9	395.9	525.8
-42.5°	11.0	25.7	47.5	72.6	105.4	141.4	183.0	232.1	301.0	382.6	490.8
-45°	11.0	25.8	47.3	72.7	105.6	141.2	180.2	225.4	290.4	366.9	455.3
-47.5°	11.0	25.9	47.1	72.6	105.5	140.7	176.9	221.5	278.2	348.8	434.6
-50°	11.0	25.9	46.8	72.6	105.0	139.8	175.1	216.8	264.3	332.6	410.9
-52.5°	11.0	25.8	46.4	72.5	104.3	138.5	173.2	211.4	255.1	314.4	383.7
-55°	11.0	25.8	46.0	72.2	103.3	136.8	170.9	205.7	247.4	294.3	357.7
-57.5°	11.0	25.6	45.4	71.7	101.9	134.8	168.2	202.4	238.8	281.5	329.7
-60°	11.0	25.5	44.7	71.0	100.3	132.3	165.0	198.2	230.1	270.1	304.8
-62.5°	11.0	25.3	44.0	70.1	99.0	129.5	161.3	193.3	224.0	257.0	289.0
-65°	11.0	25.0	43.3	69.0	97.3	126.3	157.2	187.8	217.2	246.4	272.6
-67.5°	11.0	24.7	42.4	67.8	95.4	123.1	152.6	181.6	209.7	236.4	259.6
-70°	11.0	24.4	41.4	66.3	93.3	119.8	147.6	175.0	201.9	226.0	247.8
-72.5°	11.0	24.1	40.3	64.8	90.9	116.1	142.5	168.0	193.5	215.4	235.6
-75°	11.0	23.7	39.1	63.1	88.3	112.2	137.1	160.8	184.8	204.5	223.0
-77.5°	11.0	23.3	37.8	61.3	85.6	107.9	131.3	153.3	175.6	193.2	210.0
-80°	11.0	22.8	36.5	59.3	82.8	103.9	125.1	145.4	166.0	181.8	197.0
-82.5°	11.0	22.3	35.1	57.2	79.7	100.0	120.2	138.0	156.1	170.1	183.9
-85°	11.0	21.8	33.6	54.9	76.5	96.0	115.4	131.9	148.5	160.2	171.8
-87.5°	11.0	21.3	32.1	52.5	73.1	91.7	110.3	125.6	140.9	151.3	161.7
-90°	11.0	9.8	8.5	8.5	8.5	8.5	8.5	7.9	7.3	7.3	7.3



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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°	158.2	164.9	171.0	177.1	184.4	191.7	199.1	206.4	214.4	222.3	230.2
87.5°	7.3	6.7	6.7	6.8	6.2	5.7	5.3	4.9	4.9	4.9	4.8
85°	7.8	7.3	7.3	7.3	6.8	6.5	5.9	5.4	5.5	5.5	5.3
82.5°	8.4	7.9	7.7	7.3	7.2	7.2	6.8	6.3	6.2	6.1	5.8
80°	9.0	8.6	8.1	7.7	7.6	7.4	7.1	7.1	6.8	6.3	6.2
77.5°	9.3	8.7	8.4	8.3	8.1	7.5	7.3	7.3	7.2	7.1	6.8
75°	9.4	8.7	8.7	8.6	8.1	7.5	7.3	7.6	7.6	7.4	7.2
72.5°	9.8	9.5	9.2	8.8	8.5	8.2	8.1	8.4	9.1	9.7	10.3
70°	10.9	10.4	10.1	9.8	9.3	9.3	10.3	12.4	14.4	15.2	17.2
67.5°	12.0	11.7	11.4	11.1	11.1	12.1	13.5	18.0	22.0	24.7	27.6
65°	13.3	13.1	13.1	13.3	13.4	17.1	21.2	25.6	32.5	36.4	36.6
62.5°	14.9	16.8	16.0	17.1	20.5	24.5	30.6	38.7	47.3	50.8	48.6
60°	21.2	22.1	22.6	25.3	28.6	32.9	41.5	51.2	61.2	67.3	58.3
57.5°	29.1	30.4	32.7	34.3	38.1	40.6	50.6	62.5	69.0	72.9	62.6
55°	39.0	40.9	44.4	45.1	48.3	49.4	57.8	65.9	71.4	72.6	61.5
52.5°	51.7	53.9	58.8	59.6	59.7	60.7	61.9	70.8	75.3	74.0	63.9
50°	65.4	72.9	75.6	78.4	74.7	76.2	72.2	82.5	91.3	89.0	92.0
47.5°	85.6	95.1	98.9	103.9	101.3	109.6	106.6	126.3	133.1	172.7	181.5
45°	109.8	126.6	131.7	143.3	155.1	164.9	196.7	199.2	282.5	317.3	382.7
42.5°	139.0	165.1	186.5	190.8	247.5	277.7	321.9	394.6	467.7	534.6	579.1
40°	182.2	209.3	254.9	308.2	368.4	433.4	492.3	576.8	647.5	700.1	731.6
37.5°	231.4	283.1	345.3	441.3	522.7	588.9	655.9	728.9	795.4	841.7	901.9
35°	285.4	360.7	476.1	576.0	663.3	725.7	791.1	868.4	931.4	1006.0	1080.3
32.5°	351.0	440.0	584.7	692.6	763.6	837.4	912.8	994.2	1084.3	1176.2	1271.3
30°	415.9	529.3	670.7	782.8	851.5	937.5	1029.2	1124.6	1242.9	1358.6	1487.2
27.5°	466.9	605.9	740.4	856.3	936.3	1038.1	1150.1	1274.6	1415.0	1556.6	1727.5
25°	512.5	662.9	810.7	933.5	1035.2	1148.0	1279.5	1429.1	1596.1	1795.3	2332.6
22.5°	556.9	718.4	888.3	1016.3	1130.5	1258.0	1416.7	1591.2	1787.8	2052.4	3002.7
20°	602.6	781.3	962.6	1085.1	1217.5	1360.6	1546.4	1748.8	1992.5	2617.6	4019.4
17.5°	649.4	846.2	1025.9	1145.5	1285.0	1459.4	1675.4	1903.8	2200.9	3146.9	5292.7
15°	695.2	907.3	1076.6	1198.9	1352.8	1555.7	1797.0	2076.7	2569.7	3885.6	6568.4
12.5°	739.0	962.2	1114.2	1244.8	1419.7	1646.4	1909.7	2223.7	3003.1	4882.5	7960.0
10°	780.1	1010.8	1146.9	1288.7	1485.0	1731.7	2010.7	2353.0	3381.6	5679.1	9061.6
7.5°	824.6	1052.5	1176.6	1330.3	1545.2	1809.6	2093.9	2452.6	3663.6	6290.0	9879.9
5°	865.1	1086.4	1210.9	1379.1	1605.0	1880.0	2165.2	2536.0	3856.0	6677.1	10447.9
2.5°	900.4	1113.5	1242.7	1425.4	1661.2	1941.8	2229.7	2619.5	4027.7	7004.4	11166.5
0°	930.6	1134.5	1271.3	1466.7	1709.7	1993.1	2282.5	2686.7	4142.4	7224.8	11999.9
-2.5°	949.0	1166.0	1319.0	1510.0	1749.8	2029.5	2330.2	2758.5	4258.7	7701.3	12317.3
-5°	962.2	1191.4	1361.7	1547.9	1782.2	2056.1	2365.1	2809.4	4308.7	7832.3	12224.9
-7.5°	970.0	1209.9	1398.4	1581.2	1811.2	2087.0	2420.2	2877.5	4331.4	7509.3	11700.9
-10°	974.0	1225.4	1422.3	1608.6	1838.0	2115.3	2463.2	2921.4	4238.4	7073.5	11098.2
-12.5°	984.5	1238.6	1441.4	1628.9	1856.0	2135.7	2496.6	2954.5	4026.4	6474.7	10269.9
-15°	987.2	1245.4	1457.4	1642.9	1874.6	2165.7	2521.9	2960.2	3720.4	5700.9	9212.1
-17.5°	981.7	1245.8	1468.5	1653.8	1884.0	2177.2	2529.9	2943.9	3491.7	5138.5	8148.0
-20°	967.4	1231.2	1471.9	1654.8	1880.4	2181.9	2534.0	2936.9	3435.9	4563.6	6857.5



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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°	944.2	1208.2	1460.0	1653.1	1892.7	2183.8	2522.3	2893.5	3314.9	3870.2	5572.8
-25°	919.3	1175.5	1429.0	1658.9	1895.0	2173.7	2473.0	2813.7	3202.9	3637.2	4656.1
-27.5°	892.4	1137.3	1397.3	1651.5	1883.5	2135.6	2413.5	2732.9	3053.4	3404.2	3838.2
-30°	859.9	1095.9	1354.8	1624.8	1856.1	2091.7	2348.0	2606.2	2893.5	3209.2	3576.8
-32.5°	820.9	1047.1	1302.0	1568.8	1819.9	2040.6	2255.0	2486.9	2743.3	3021.6	3325.6
-35°	778.5	997.7	1240.2	1500.7	1775.7	1978.5	2164.7	2365.3	2592.4	2846.7	3129.1
-37.5°	735.6	940.7	1167.6	1421.6	1689.1	1901.4	2069.2	2256.3	2456.2	2674.0	2936.6
-40°	686.8	875.0	1092.0	1332.0	1569.2	1798.6	1983.0	2152.6	2328.3	2527.6	2742.0
-42.5°	634.3	811.1	1009.1	1226.7	1442.1	1660.7	1891.7	2058.4	2215.6	2384.8	2572.8
-45°	590.5	740.5	919.6	1113.1	1307.3	1519.0	1741.8	1964.7	2108.2	2254.7	2414.9
-47.5°	539.7	668.9	832.6	993.9	1173.1	1372.7	1583.7	1790.5	1994.3	2136.7	2271.6
-50°	491.2	608.2	733.3	881.7	1041.3	1225.7	1419.0	1608.0	1799.1	1992.1	2145.8
-52.5°	457.9	543.3	651.8	769.0	916.7	1079.6	1249.1	1417.5	1597.0	1781.1	1958.3
-55°	421.9	495.0	572.4	672.0	793.5	938.7	1079.7	1230.6	1384.7	1554.5	1727.2
-57.5°	387.7	448.3	508.9	584.6	686.9	797.8	921.4	1045.3	1185.1	1327.2	1475.1
-60°	353.8	403.4	455.0	515.3	585.7	679.3	768.8	876.7	992.8	1109.7	1241.2
-62.5°	321.3	361.8	404.7	455.7	514.6	569.7	643.7	727.4	811.1	914.7	1021.2
-65°	302.2	324.7	358.4	402.6	448.5	497.3	545.3	596.6	669.4	746.7	822.3
-67.5°	281.9	302.6	323.7	351.0	391.2	429.2	467.8	512.9	559.4	609.4	664.5
-70°	266.6	281.1	299.8	321.3	342.2	365.3	399.7	435.6	471.3	510.2	553.4
-72.5°	252.3	265.8	279.8	294.9	313.2	330.8	348.9	368.3	396.5	430.7	462.7
-75°	237.7	250.3	263.0	276.3	290.0	303.4	317.6	335.0	354.4	375.4	395.0
-77.5°	223.0	234.6	246.2	257.7	270.2	283.1	295.3	307.8	323.0	339.2	354.7
-80°	208.4	218.7	229.5	240.1	251.1	262.3	273.2	283.7	296.8	310.8	324.4
-82.5°	194.2	203.9	213.2	222.5	232.0	241.3	251.1	260.9	273.0	285.2	296.9
-85°	180.5	189.0	196.9	204.7	213.5	222.1	230.4	238.8	249.7	260.7	270.8
-87.5°	169.4	177.0	183.7	190.3	198.1	205.8	213.0	220.1	229.5	239.0	247.5
-90°	6.7	6.1	6.1	6.1	5.5	4.9	4.9	4.9	4.9	4.9	4.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	238.1	243.6	249.1	252.8	256.5	262.0	267.5	275.4	283.3	290.1	296.8
87.5°	4.7	4.2	3.7	3.6	3.6	3.6	3.6	3.0	2.4	2.4	2.4
85°	4.9	4.7	4.6	4.6	4.7	4.2	3.7	3.6	3.6	3.6	3.7
82.5°	5.5	5.2	4.9	4.9	4.9	4.8	4.7	4.2	3.7	3.7	3.7
80°	6.1	5.8	5.5	5.3	5.0	4.9	4.9	4.4	3.8	3.7	3.7
77.5°	6.3	6.3	6.1	5.6	5.0	4.9	4.9	4.4	3.8	3.7	3.7
75°	7.2	7.1	7.0	6.8	6.6	6.8	7.2	7.0	6.7	6.4	6.0
72.5°	11.0	11.0	10.8	11.4	12.1	12.6	12.9	13.3	13.8	14.7	15.8
70°	19.4	21.0	21.0	21.0	20.9	20.3	19.6	19.4	19.6	19.9	20.3
67.5°	29.3	30.5	31.1	31.4	28.6	26.8	26.1	26.1	27.3	29.5	32.6
65°	37.4	35.1	33.1	31.0	31.2	31.1	29.6	29.0	29.9	31.3	32.8
62.5°	44.5	35.4	29.5	26.6	27.1	28.0	25.3	23.3	22.6	22.2	22.4
60°	47.8	33.3	23.4	19.9	17.9	16.8	14.9	12.8	12.1	11.9	12.2
57.5°	48.3	31.7	18.7	14.8	11.3	8.7	7.3	6.4	6.4	6.2	6.0
55°	46.8	32.1	18.1	16.6	15.2	13.9	12.1	11.8	11.2	11.1	11.8
52.5°	48.5	44.9	36.8	35.7	43.5	43.7	37.7	46.3	52.2	56.8	58.9
50°	95.8	92.1	116.4	116.3	140.8	161.9	155.8	168.0	189.2	207.7	219.1
47.5°	223.9	241.5	277.9	310.5	347.4	394.0	414.6	429.3	447.8	472.7	489.4
45°	417.1	460.7	508.0	560.8	622.5	677.1	708.8	739.4	759.6	781.8	807.9
42.5°	619.3	671.4	741.5	804.6	871.3	935.1	985.3	1029.6	1115.8	1238.9	1336.9
40°	792.4	851.6	933.0	1017.3	1095.8	1176.5	1398.3	1587.2	1822.7	2174.3	2486.0
37.5°	964.3	1032.8	1123.6	1226.8	1464.0	1704.1	2188.5	2711.7	3165.0	3673.4	4186.7
35°	1151.6	1241.5	1363.0	1710.3	2149.4	2789.6	3484.1	4261.2	4920.8	5630.7	6670.6
32.5°	1372.8	1529.9	1922.4	2553.8	3341.2	4250.6	5112.2	6088.9	6912.8	8216.9	9805.1
30°	1658.0	2150.5	2904.0	3775.8	4838.3	5989.4	7069.6	8651.7	10500.0	12136.2	13487.4
27.5°	2345.7	3297.0	4349.2	5453.9	6784.4	8179.3	10444.2	12491.9	14480.6	16247.2	18299.8
25°	3372.6	4898.8	6696.9	8177.9	9985.9	12506.8	15067.9	17323.0	20345.5	23003.9	25986.0
22.5°	4825.2	6998.3	9314.4	11476.7	14253.2	17410.5	20856.2	25011.5	29210.2	33874.2	38023.3
20°	6243.0	8992.4	11925.4	15038.3	18594.1	22541.6	28174.3	34917.8	41387.7	48735.7	54931.7
17.5°	8131.0	11454.7	14923.4	18880.3	23452.0	29525.2	37839.0	47059.8	57064.8	68037.1	78183.7
15°	10050.9	13631.5	17662.1	22726.4	29192.9	37446.9	48053.3	60605.7	75237.3	91367.1	110976.7
12.5°	11624.3	15539.7	20252.8	26634.9	35092.4	46130.9	58981.4	74091.5	94150.9	118479.1	141261.8
10°	12968.6	17663.5	23619.1	31172.4	41120.5	53581.8	68179.9	86887.3	113908.4	142091.7	167093.5
7.5°	14353.4	19907.5	26214.7	34404.3	45715.3	59860.1	77836.1	102265.3	131995.7	160902.4	183830.2
5°	15659.5	21437.7	27852.5	36602.3	48834.1	64025.7	84421.5	114176.3	146529.4	174841.6	196382.2
2.5°	16682.6	22207.3	28715.1	38239.1	50520.1	66289.5	88549.6	121541.9	155480.2	183383.3	205471.4
0°	17213.4	22624.7	29193.7	39262.8	51918.5	68367.4	90916.3	124792.2	159121.2	186293.8	208807.3
-2.5°	17095.9	22423.2	28897.4	38472.8	51598.9	68743.2	92884.2	126486.1	159748.4	187286.5	208504.2
-5°	16848.9	22105.8	28490.6	37502.0	50454.6	67798.2	90747.4	121640.1	153763.9	182011.8	202638.9
-7.5°	16388.5	21574.4	27679.3	36082.0	48557.8	64981.6	85691.1	112535.6	143353.1	171655.4	191624.1
-10°	15711.2	20753.5	26515.0	34157.1	45361.5	60446.4	78053.0	99016.8	127845.2	154306.4	176494.1
-12.5°	14748.6	19592.2	24899.8	31466.7	41500.9	54794.8	69973.4	87391.7	107995.7	133515.6	154313.2
-15°	13523.7	18078.9	23010.8	29206.9	37597.1	48489.5	61287.0	74799.6	90591.9	108207.7	128479.8
-17.5°	12020.3	16299.2	20892.1	26233.8	33019.2	42158.0	52281.4	62825.0	74224.1	87187.7	99097.7
-20°	10227.7	14141.6	18469.8	23438.3	29252.5	35853.6	43212.5	51736.3	60572.0	69824.4	78010.7



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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°	8407.4	11977.8	16102.2	20446.7	25500.1	30538.7	35481.5	41819.2	48642.5	55340.9	61434.2
-25°	6578.3	9730.3	13565.0	17639.9	21695.9	25811.6	29824.8	33760.2	38670.3	42981.8	47454.0
-27.5°	5225.0	7582.9	10803.0	14359.0	17893.3	21327.5	24797.2	28084.6	31181.1	33784.9	36800.0
-30°	4109.2	5700.8	8188.3	10986.5	14079.0	17104.9	20094.8	22871.8	25310.2	27454.1	29547.9
-32.5°	3715.2	4365.1	5843.4	7969.8	10409.6	13064.2	15563.4	17948.6	19958.9	21951.2	23827.3
-35°	3436.7	3794.6	4277.9	5606.2	7195.0	9307.6	11266.7	13246.2	14934.5	16924.3	18462.8
-37.5°	3208.5	3484.1	3789.6	4103.0	5069.1	6126.9	7537.4	9021.2	10325.5	11994.6	13353.0
-40°	2987.5	3231.5	3470.3	3708.6	3965.5	4201.5	5041.1	5806.2	6691.0	7832.8	8809.8
-42.5°	2773.9	2988.8	3195.6	3389.2	3568.7	3723.7	3892.6	4054.5	4532.4	5114.3	5561.3
-45°	2582.1	2764.8	2937.9	3101.6	3238.4	3362.5	3492.6	3628.1	3805.8	3967.2	4100.5
-47.5°	2419.1	2563.5	2705.4	2838.7	2943.8	3049.7	3153.3	3270.3	3408.6	3544.1	3657.5
-50°	2271.6	2396.6	2504.2	2598.7	2686.1	2775.7	2858.3	2962.1	3073.4	3185.5	3279.3
-52.5°	2130.4	2241.6	2331.5	2403.4	2470.0	2543.0	2614.0	2696.9	2787.3	2881.6	2956.1
-55°	1893.0	2034.3	2164.9	2232.5	2284.7	2344.9	2405.0	2472.1	2548.4	2627.7	2686.8
-57.5°	1630.6	1770.1	1893.2	1980.8	2067.4	2155.7	2222.0	2274.5	2343.5	2411.1	2462.1
-60°	1367.2	1484.1	1592.8	1681.4	1771.7	1860.2	1934.6	2003.1	2088.5	2166.1	2229.2
-62.5°	1122.0	1224.2	1308.1	1379.8	1456.7	1533.7	1604.6	1672.1	1749.7	1819.4	1878.5
-65°	899.1	984.9	1046.9	1103.3	1164.4	1228.1	1284.3	1340.3	1402.6	1458.4	1506.9
-67.5°	727.0	783.9	822.5	858.4	907.0	956.5	1000.5	1045.1	1092.7	1135.0	1171.7
-70°	595.1	630.6	654.5	682.0	716.6	748.3	777.2	809.8	844.8	877.2	906.4
-72.5°	493.3	517.7	535.6	557.5	579.5	599.6	617.9	641.3	666.9	691.8	715.6
-75°	413.3	429.1	446.2	462.0	477.1	491.7	505.1	523.9	543.6	562.3	580.4
-77.5°	370.8	382.6	392.2	400.9	409.2	418.6	427.9	443.8	461.0	475.5	489.1
-80°	337.9	347.1	355.0	361.7	367.9	375.6	383.4	396.4	409.8	422.1	434.0
-82.5°	308.4	316.3	323.6	329.8	335.7	342.3	348.9	360.2	371.8	382.3	392.5
-85°	280.8	287.6	294.2	299.7	305.1	311.2	317.2	327.1	337.0	346.3	355.4
-87.5°	256.0	262.1	268.1	272.2	276.3	282.2	288.0	296.9	305.7	313.8	322.0
-90°	3.7	3.7	3.7	3.1	2.4	2.4	2.4	2.4	2.4	1.8	1.2



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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°	300.5	304.1	304.7	305.3	304.7	304.1	300.5	296.8	290.1	283.3	275.4
87.5°	1.8	1.2	1.8	2.4	1.8	1.2	1.8	2.4	2.4	2.4	3.0
85°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.2
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	4.4
77.5°	3.1	2.5	3.0	3.7	3.0	2.5	3.1	3.7	3.7	3.8	4.4
75°	5.4	4.9	4.3	3.7	4.3	4.9	5.4	6.0	6.4	6.7	7.0
72.5°	16.4	16.8	17.6	18.3	17.6	16.8	16.4	15.8	14.7	13.8	13.3
70°	19.6	18.4	18.3	18.3	18.3	18.4	19.6	20.3	19.9	19.6	19.4
67.5°	35.0	37.0	37.7	37.9	37.7	37.0	35.0	32.6	29.5	27.3	26.1
65°	34.1	35.3	35.4	35.4	35.4	35.3	34.1	32.8	31.3	29.9	29.0
62.5°	22.8	23.4	23.9	24.4	23.9	23.4	22.8	22.4	22.2	22.6	23.3
60°	12.8	13.5	14.1	14.7	14.1	13.5	12.8	12.2	11.9	12.1	12.8
57.5°	6.0	6.3	6.7	7.3	6.7	6.3	6.0	6.0	6.2	6.4	6.4
55°	12.3	12.9	13.3	13.4	13.3	12.9	12.3	11.8	11.1	11.2	11.8
52.5°	57.9	55.2	53.0	51.3	53.0	55.2	57.9	58.9	56.8	52.2	46.3
50°	223.8	218.3	212.2	206.4	212.2	218.3	223.8	219.1	207.7	189.2	168.0
47.5°	499.3	494.9	485.7	473.8	485.7	494.9	499.3	489.4	472.7	447.8	429.3
45°	843.9	868.3	879.2	873.2	879.2	868.3	843.9	807.9	781.8	759.6	739.4
42.5°	1370.1	1391.7	1393.6	1361.7	1393.6	1391.7	1370.1	1336.9	1238.9	1115.8	1029.6
40°	2711.4	2899.2	2963.6	2769.8	2963.6	2899.2	2711.4	2486.0	2174.3	1822.7	1587.2
37.5°	4805.5	5543.7	6159.4	6183.1	6159.4	5543.7	4805.5	4186.7	3673.4	3165.0	2711.7
35°	7788.1	8547.5	8914.8	8899.2	8914.8	8547.5	7788.1	6670.6	5630.7	4920.8	4261.2
32.5°	10946.3	11521.7	11889.4	11800.8	11889.4	11521.7	10946.3	9805.1	8216.9	6912.8	6088.9
30°	14452.4	14986.2	15414.9	15408.4	15414.9	14986.2	14452.4	13487.4	12136.2	10500.0	8651.7
27.5°	19970.6	21070.6	21944.9	21796.7	21944.9	21070.6	19970.6	18299.8	16247.2	14480.6	12491.9
25°	28501.4	30513.6	31936.2	31643.5	31936.2	30513.6	28501.4	25986.0	23003.9	20345.5	17323.0
22.5°	41103.7	43685.1	44764.4	43908.4	44764.4	43685.1	41103.7	38023.3	33874.2	29210.2	25011.5
20°	60834.4	65620.2	68595.5	66821.3	68595.5	65620.2	60834.4	54931.7	48735.7	41387.7	34917.8
17.5°	91316.2	101698.5	109901.8	109675.7	109901.8	101698.5	91316.2	78183.7	68037.1	57064.8	47059.8
15°	128049.7	139866.9	148965.9	150018.1	148965.9	139866.9	128049.7	110976.7	91367.1	75237.3	60605.7
12.5°	160940.7	172958.8	181863.1	184425.3	181863.1	172958.8	160940.7	141261.8	118479.1	94150.9	74091.5
10°	184382.1	196375.3	204993.9	208033.0	204993.9	196375.3	184382.1	167093.5	142091.7	113908.4	86887.3
7.5°	201578.4	214589.9	221050.4	224352.5	221050.4	214589.9	201578.4	183830.2	160902.4	131995.7	102265.3
5°	213952.2	226044.8	232294.8	236296.1	232294.8	226044.8	213952.2	196382.2	174841.6	146529.4	114176.3
2.5°	221752.5	233169.0	240674.4	244263.5	240674.4	233169.0	221752.5	205471.4	183383.3	155480.2	121541.9
0°	224270.0	235230.0	243642.5	246859.9	243642.5	235230.0	224270.0	208807.3	186293.8	159121.2	124792.2
-2.5°	223099.0	233835.3	240544.8	241845.4	240544.8	233835.3	223099.0	208504.2	187286.5	159748.4	126486.1
-5°	217004.9	226900.2	233095.7	234113.8	233095.7	226900.2	217004.9	202638.9	182011.8	153763.9	121640.1
-7.5°	206498.9	216369.9	221490.9	222998.7	221490.9	216369.9	206498.9	191624.1	171655.4	143353.1	112535.6
-10°	191266.1	200802.6	206275.7	207573.8	206275.7	200802.6	191266.1	176494.1	154306.4	127845.2	99016.8
-12.5°	170480.7	180654.1	186779.8	188129.3	186779.8	180654.1	170480.7	154313.2	133515.6	107995.7	87391.7
-15°	143528.1	153992.8	161812.7	163704.5	161812.7	153992.8	143528.1	128479.8	108207.7	90591.9	74799.6
-17.5°	112459.8	122931.8	129958.7	131300.2	129958.7	122931.8	112459.8	99097.7	87187.7	74224.1	62825.0
-20°	85701.8	92436.7	96402.6	97093.3	96402.6	92436.7	85701.8	78010.7	69824.4	60572.0	51736.3



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	66413.7	70940.3	73354.9	73695.6	73354.9	70940.3	66413.7	61434.2	55340.9	48642.5	41819.2
-25°	51464.3	54753.2	56551.7	56851.1	56551.7	54753.2	51464.3	47454.0	42981.8	38670.3	33760.2
-27.5°	39515.7	41558.8	43232.2	42883.8	43232.2	41558.8	39515.7	36800.0	33784.9	31181.1	28084.6
-30°	31268.2	32578.6	33567.0	33308.0	33567.0	32578.6	31268.2	29547.9	27454.1	25310.2	22871.8
-32.5°	25307.5	26334.1	27028.9	27214.1	27028.9	26334.1	25307.5	23827.3	21951.2	19958.9	17948.6
-35°	19670.1	20509.0	20990.6	21177.5	20990.6	20509.0	19670.1	18462.8	16924.3	14934.5	13246.2
-37.5°	14361.2	15097.0	15556.4	15716.1	15556.4	15097.0	14361.2	13353.0	11994.6	10325.5	9021.2
-40°	9557.8	10124.8	10501.1	10646.8	10501.1	10124.8	9557.8	8809.8	7832.8	6691.0	5806.2
-42.5°	5909.5	6174.9	6342.9	6395.6	6342.9	6174.9	5909.5	5561.3	5114.3	4532.4	4054.5
-45°	4203.5	4276.8	4318.8	4326.8	4318.8	4276.8	4203.5	4100.5	3967.2	3805.8	3628.1
-47.5°	3746.0	3803.8	3833.4	3834.7	3833.4	3803.8	3746.0	3657.5	3544.1	3408.6	3270.3
-50°	3356.7	3410.2	3437.2	3439.0	3437.2	3410.2	3356.7	3279.3	3185.5	3073.4	2962.1
-52.5°	3017.1	3059.8	3079.6	3080.0	3079.6	3059.8	3017.1	2956.1	2881.6	2787.3	2696.9
-55°	2735.3	2768.4	2780.7	2778.3	2780.7	2768.4	2735.3	2686.8	2627.7	2548.4	2472.1
-57.5°	2504.6	2537.1	2547.3	2543.8	2547.3	2537.1	2504.6	2462.1	2411.1	2343.5	2274.5
-60°	2278.4	2313.2	2326.3	2325.2	2326.3	2313.2	2278.4	2229.2	2166.1	2088.5	2003.1
-62.5°	1920.7	1947.4	1961.8	1966.2	1961.8	1947.4	1920.7	1878.5	1819.4	1749.7	1672.1
-65°	1540.2	1561.5	1573.0	1576.6	1573.0	1561.5	1540.2	1506.9	1458.4	1402.6	1340.3
-67.5°	1195.5	1210.8	1218.2	1220.0	1218.2	1210.8	1195.5	1171.7	1135.0	1092.7	1045.1
-70°	924.6	937.1	943.0	945.2	943.0	937.1	924.6	906.4	877.2	844.8	809.8
-72.5°	729.2	739.2	743.3	745.0	743.3	739.2	729.2	715.6	691.8	666.9	641.3
-75°	588.8	594.8	597.2	598.4	597.2	594.8	588.8	580.4	562.3	543.6	523.9
-77.5°	496.6	503.0	505.3	506.8	505.3	503.0	496.6	489.1	475.5	461.0	443.8
-80°	439.3	443.8	445.6	447.0	445.6	443.8	439.3	434.0	422.1	409.8	396.4
-82.5°	398.9	404.9	405.4	405.5	405.4	404.9	398.9	392.5	382.3	371.8	360.2
-85°	360.3	364.9	365.7	366.4	365.7	364.9	360.3	355.4	346.3	337.0	327.1
-87.5°	326.5	330.9	331.0	331.0	331.0	330.9	326.5	322.0	313.8	305.7	296.9
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	267.5	262.0	256.5	252.8	249.1	243.6	238.1	230.2	222.3	214.4	206.4
87.5°	3.6	3.6	3.6	3.6	3.7	4.2	4.7	4.8	4.9	4.9	4.9
85°	3.7	4.2	4.7	4.6	4.6	4.7	4.9	5.3	5.5	5.5	5.4
82.5°	4.7	4.8	4.9	4.9	4.9	5.2	5.5	5.8	6.1	6.2	6.3
80°	4.9	4.9	5.0	5.3	5.5	5.8	6.1	6.2	6.3	6.8	7.1
77.5°	4.9	4.9	5.0	5.6	6.1	6.3	6.3	6.8	7.1	7.2	7.3
75°	7.2	6.8	6.6	6.8	7.0	7.1	7.2	7.2	7.4	7.6	7.6
72.5°	12.9	12.6	12.1	11.4	10.8	11.0	11.0	10.3	9.7	9.1	8.4
70°	19.6	20.3	20.9	21.0	21.0	21.0	19.4	17.2	15.2	14.4	12.4
67.5°	26.1	26.8	28.6	31.4	31.1	30.5	29.3	27.6	24.7	22.0	18.0
65°	29.6	31.1	31.2	31.0	33.1	35.1	37.4	36.6	36.4	32.5	25.6
62.5°	25.3	28.0	27.1	26.6	29.5	35.4	44.5	48.6	50.8	47.3	38.7
60°	14.9	16.8	17.9	19.9	23.4	33.3	47.8	58.3	67.3	61.2	51.2
57.5°	7.3	8.7	11.3	14.8	18.7	31.7	48.3	62.6	72.9	69.0	62.5
55°	12.1	13.9	15.2	16.6	18.1	32.1	46.8	61.5	72.6	71.4	65.9
52.5°	37.7	43.7	43.5	35.7	36.8	44.9	48.5	63.9	74.0	75.3	70.8
50°	155.8	161.9	140.8	116.3	116.4	92.1	95.8	92.0	89.0	91.3	82.5
47.5°	414.6	394.0	347.4	310.5	277.9	241.5	223.9	181.5	172.7	133.1	126.3
45°	708.8	677.1	622.5	560.8	508.0	460.7	417.1	382.7	317.3	282.5	199.2
42.5°	985.3	935.1	871.3	804.6	741.5	671.4	619.3	579.1	534.6	467.7	394.6
40°	1398.3	1176.5	1095.8	1017.3	933.0	851.6	792.4	731.6	700.1	647.5	576.8
37.5°	2188.5	1704.1	1464.0	1226.8	1123.6	1032.8	964.3	901.9	841.7	795.4	728.9
35°	3484.1	2789.6	2149.4	1710.3	1363.0	1241.5	1151.6	1080.3	1006.0	931.4	868.4
32.5°	5112.2	4250.6	3341.2	2553.8	1922.4	1529.9	1372.8	1271.3	1176.2	1084.3	994.2
30°	7069.6	5989.4	4838.3	3775.8	2904.0	2150.5	1658.0	1487.2	1358.6	1242.9	1124.6
27.5°	10444.2	8179.3	6784.4	5453.9	4349.2	3297.0	2345.7	1727.5	1556.6	1415.0	1274.6
25°	15067.9	12506.8	9985.9	8177.9	6696.9	4898.8	3372.6	2332.6	1795.3	1596.1	1429.1
22.5°	20856.2	17410.5	14253.2	11476.7	9314.4	6998.3	4825.2	3002.7	2052.4	1787.8	1591.2
20°	28174.3	22541.6	18594.1	15038.3	11925.4	8992.4	6243.0	4019.4	2617.6	1992.5	1748.8
17.5°	37839.0	29525.2	23452.0	18880.3	14923.4	11454.7	8131.0	5292.7	3146.9	2200.9	1903.8
15°	48053.3	37446.9	29192.9	22726.4	17662.1	13631.5	10050.9	6568.4	3885.6	2569.7	2076.7
12.5°	58981.4	46130.9	35092.4	26634.9	20252.8	15539.7	11624.3	7960.0	4882.5	3003.1	2223.7
10°	68179.9	53581.8	41120.5	31172.4	23619.1	17663.5	12968.6	9061.6	5679.1	3381.6	2353.0
7.5°	77836.1	59860.1	45715.3	34404.3	26214.7	19907.5	14353.4	9879.9	6290.0	3663.6	2452.6
5°	84421.5	64025.7	48834.1	36602.3	27852.5	21437.7	15659.5	10447.9	6677.1	3856.0	2536.0
2.5°	88549.6	66289.5	50520.1	38239.1	28715.1	22207.3	16682.6	11166.5	7004.4	4027.7	2619.5
0°	90916.3	68367.4	51918.5	39262.8	29193.7	22624.7	17213.4	11999.9	7224.8	4142.4	2686.7
-2.5°	92884.2	68743.2	51598.9	38472.8	28897.4	22423.2	17095.9	12317.3	7701.3	4258.7	2758.5
-5°	90747.4	67798.2	50454.6	37502.0	28490.6	22105.8	16848.9	12224.9	7832.3	4308.7	2809.4
-7.5°	85691.1	64981.6	48557.8	36082.0	27679.3	21574.4	16388.5	11700.9	7509.3	4331.4	2877.5
-10°	78053.0	60446.4	45361.5	34157.1	26515.0	20753.5	15711.2	11098.2	7073.5	4238.4	2921.4
-12.5°	69973.4	54794.8	41500.9	31466.7	24899.8	19592.2	14748.6	10269.9	6474.7	4026.4	2954.5
-15°	61287.0	48489.5	37597.1	29206.9	23010.8	18078.9	13523.7	9212.1	5700.9	3720.4	2960.2
-17.5°	52281.4	42158.0	33019.2	26233.8	20892.1	16299.2	12020.3	8148.0	5138.5	3491.7	2943.9
-20°	43212.5	35853.6	29252.5	23438.3	18469.8	14141.6	10227.7	6857.5	4563.6	3435.9	2936.9



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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°	35481.5	30538.7	25500.1	20446.7	16102.2	11977.8	8407.4	5572.8	3870.2	3314.9	2893.5
-25°	29824.8	25811.6	21695.9	17639.9	13565.0	9730.3	6578.3	4656.1	3637.2	3202.9	2813.7
-27.5°	24797.2	21327.5	17893.3	14359.0	10803.0	7582.9	5225.0	3838.2	3404.2	3053.4	2732.9
-30°	20094.8	17104.9	14079.0	10986.5	8188.3	5700.8	4109.2	3576.8	3209.2	2893.5	2606.2
-32.5°	15563.4	13064.2	10409.6	7969.8	5843.4	4365.1	3715.2	3325.6	3021.6	2743.3	2486.9
-35°	11266.7	9307.6	7195.0	5606.2	4277.9	3794.6	3436.7	3129.1	2846.7	2592.4	2365.3
-37.5°	7537.4	6126.9	5069.1	4103.0	3789.6	3484.1	3208.5	2936.6	2674.0	2456.2	2256.3
-40°	5041.1	4201.5	3965.5	3708.6	3470.3	3231.5	2987.5	2742.0	2527.6	2328.3	2152.6
-42.5°	3892.6	3723.7	3568.7	3389.2	3195.6	2988.8	2773.9	2572.8	2384.8	2215.6	2058.4
-45°	3492.6	3362.5	3238.4	3101.6	2937.9	2764.8	2582.1	2414.9	2254.7	2108.2	1964.7
-47.5°	3153.3	3049.7	2943.8	2838.7	2705.4	2563.5	2419.1	2271.6	2136.7	1994.3	1790.5
-50°	2858.3	2775.7	2686.1	2598.7	2504.2	2396.6	2271.6	2145.8	1992.1	1799.1	1608.0
-52.5°	2614.0	2543.0	2470.0	2403.4	2331.5	2241.6	2130.4	1958.3	1781.1	1597.0	1417.5
-55°	2405.0	2344.9	2284.7	2232.5	2164.9	2034.3	1893.0	1727.2	1554.5	1384.7	1230.6
-57.5°	2222.0	2155.7	2067.4	1980.8	1893.2	1770.1	1630.6	1475.1	1327.2	1185.1	1045.3
-60°	1934.6	1860.2	1771.7	1681.4	1592.8	1484.1	1367.2	1241.2	1109.7	992.8	876.7
-62.5°	1604.6	1533.7	1456.7	1379.8	1308.1	1224.2	1122.0	1021.2	914.7	811.1	727.4
-65°	1284.3	1228.1	1164.4	1103.3	1046.9	984.9	899.1	822.3	746.7	669.4	596.6
-67.5°	1000.5	956.5	907.0	858.4	822.5	783.9	727.0	664.5	609.4	559.4	512.9
-70°	777.2	748.3	716.6	682.0	654.5	630.6	595.1	553.4	510.2	471.3	435.6
-72.5°	617.9	599.6	579.5	557.5	535.6	517.7	493.3	462.7	430.7	396.5	368.3
-75°	505.1	491.7	477.1	462.0	446.2	429.1	413.3	395.0	375.4	354.4	335.0
-77.5°	427.9	418.6	409.2	400.9	392.2	382.6	370.8	354.7	339.2	323.0	307.8
-80°	383.4	375.6	367.9	361.7	355.0	347.1	337.9	324.4	310.8	296.8	283.7
-82.5°	348.9	342.3	335.7	329.8	323.6	316.3	308.4	296.9	285.2	273.0	260.9
-85°	317.2	311.2	305.1	299.7	294.2	287.6	280.8	270.8	260.7	249.7	238.8
-87.5°	288.0	282.2	276.3	272.2	268.1	262.1	256.0	247.5	239.0	229.5	220.1
-90°	2.4	2.4	2.4	3.1	3.7	3.7	3.7	4.3	4.9	4.9	4.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	199.1	191.7	184.4	177.1	171.0	164.9	158.2	151.4	142.3	133.1	119.1
87.5°	5.3	5.7	6.2	6.8	6.7	6.7	7.3	7.8	7.8	7.7	8.3
85°	5.9	6.5	6.8	7.3	7.3	7.3	7.8	8.3	8.2	8.1	8.7
82.5°	6.8	7.2	7.2	7.3	7.7	7.9	8.4	8.9	8.8	8.6	9.1
80°	7.1	7.4	7.6	7.7	8.1	8.6	9.0	9.4	9.5	9.5	9.7
77.5°	7.3	7.5	8.1	8.3	8.4	8.7	9.3	9.9	10.3	10.4	10.5
75°	7.3	7.5	8.1	8.6	8.7	8.7	9.4	10.1	10.8	11.2	11.2
72.5°	8.1	8.2	8.5	8.8	9.2	9.5	9.8	10.3	11.2	11.7	11.9
70°	10.3	9.3	9.3	9.8	10.1	10.4	10.9	11.2	11.6	12.3	12.6
67.5°	13.5	12.1	11.1	11.1	11.4	11.7	12.0	12.4	12.7	12.9	13.3
65°	21.2	17.1	13.4	13.3	13.1	13.1	13.3	13.9	13.7	14.4	14.0
62.5°	30.6	24.5	20.5	17.1	16.0	16.8	14.9	16.5	15.3	16.1	15.7
60°	41.5	32.9	28.6	25.3	22.6	22.1	21.2	19.7	19.3	18.1	17.8
57.5°	50.6	40.6	38.1	34.3	32.7	30.4	29.1	26.6	24.0	22.5	20.1
55°	57.8	49.4	48.3	45.1	44.4	40.9	39.0	35.7	30.3	27.8	22.8
52.5°	61.9	60.7	59.7	59.6	58.8	53.9	51.7	45.6	40.9	33.6	28.2
50°	72.2	76.2	74.7	78.4	75.6	72.9	65.4	59.1	52.2	41.2	34.1
47.5°	106.6	109.6	101.3	103.9	98.9	95.1	85.6	74.4	64.4	52.4	40.3
45°	196.7	164.9	155.1	143.3	131.7	126.6	109.8	90.7	79.3	64.2	46.7
42.5°	321.9	277.7	247.5	190.8	186.5	165.1	139.0	117.0	95.0	76.6	55.7
40°	492.3	433.4	368.4	308.2	254.9	209.3	182.2	147.4	111.5	90.2	66.8
37.5°	655.9	588.9	522.7	441.3	345.3	283.1	231.4	180.3	133.0	105.9	78.1
35°	791.1	725.7	663.3	576.0	476.1	360.7	285.4	220.2	163.4	122.2	89.6
32.5°	912.8	837.4	763.6	692.6	584.7	440.0	351.0	265.7	194.6	139.2	101.1
30°	1029.2	937.5	851.5	782.8	670.7	529.3	415.9	309.1	226.5	156.6	112.9
27.5°	1150.1	1038.1	936.3	856.3	740.4	605.9	466.9	350.3	258.7	175.8	125.8
25°	1279.5	1148.0	1035.2	933.5	810.7	662.9	512.5	389.4	292.4	197.9	138.1
22.5°	1416.7	1258.0	1130.5	1016.3	888.3	718.4	556.9	429.4	318.5	218.6	149.7
20°	1546.4	1360.6	1217.5	1085.1	962.6	781.3	602.6	461.8	342.8	237.8	160.8
17.5°	1675.4	1459.4	1285.0	1145.5	1025.9	846.2	649.4	492.0	365.4	255.5	171.1
15°	1797.0	1555.7	1352.8	1198.9	1076.6	907.3	695.2	520.5	386.2	271.6	181.4
12.5°	1909.7	1646.4	1419.7	1244.8	1114.2	962.2	739.0	546.9	405.0	287.8	191.9
10°	2010.7	1731.7	1485.0	1288.7	1146.9	1010.8	780.1	575.9	429.2	303.8	201.8
7.5°	2093.9	1809.6	1545.2	1330.3	1176.6	1052.5	824.6	613.1	453.1	318.3	210.9
5°	2165.2	1880.0	1605.0	1379.1	1210.9	1086.4	865.1	648.2	475.3	331.2	219.2
2.5°	2229.7	1941.8	1661.2	1425.4	1242.7	1113.5	900.4	680.6	495.3	342.3	226.7
0°	2282.5	1993.1	1709.7	1466.7	1271.3	1134.5	930.6	709.5	512.9	351.7	233.3
-2.5°	2330.2	2029.5	1749.8	1510.0	1319.0	1166.0	949.0	724.0	527.4	364.1	241.3
-5°	2365.1	2056.1	1782.2	1547.9	1361.7	1191.4	962.2	734.6	538.9	374.4	248.3
-7.5°	2420.2	2087.0	1811.2	1581.2	1398.4	1209.9	970.0	741.3	547.3	382.4	254.2
-10°	2463.2	2115.3	1838.0	1608.6	1422.3	1225.4	974.0	744.2	552.6	387.9	259.0
-12.5°	2496.6	2135.7	1856.0	1628.9	1441.4	1238.6	984.5	747.5	554.6	390.9	262.6
-15°	2521.9	2165.7	1874.6	1642.9	1457.4	1245.4	987.2	747.3	552.1	390.4	264.9
-17.5°	2529.9	2177.2	1884.0	1653.8	1468.5	1245.8	981.7	741.0	546.0	386.6	266.5
-20°	2534.0	2181.9	1880.4	1654.8	1471.9	1231.2	967.4	728.2	536.1	380.4	267.2



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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°	2522.3	2183.8	1892.7	1653.1	1460.0	1208.2	944.2	709.2	522.4	371.9	266.8
-25°	2473.0	2173.7	1895.0	1658.9	1429.0	1175.5	919.3	689.4	504.9	361.2	265.3
-27.5°	2413.5	2135.6	1883.5	1651.5	1397.3	1137.3	892.4	672.5	489.8	348.1	262.6
-30°	2348.0	2091.7	1856.1	1624.8	1354.8	1095.9	859.9	650.3	475.8	340.3	258.7
-32.5°	2255.0	2040.6	1819.9	1568.8	1302.0	1047.1	820.9	622.5	458.2	335.8	255.4
-35°	2164.7	1978.5	1775.7	1500.7	1240.2	997.7	778.5	589.0	436.9	329.4	251.5
-37.5°	2069.2	1901.4	1689.1	1421.6	1167.6	940.7	735.6	557.1	411.9	321.1	246.4
-40°	1983.0	1798.6	1569.2	1332.0	1092.0	875.0	686.8	525.8	395.9	310.9	239.9
-42.5°	1891.7	1660.7	1442.1	1226.7	1009.1	811.1	634.3	490.8	382.6	301.0	232.1
-45°	1741.8	1519.0	1307.3	1113.1	919.6	740.5	590.5	455.3	366.9	290.4	225.4
-47.5°	1583.7	1372.7	1173.1	993.9	832.6	668.9	539.7	434.6	348.8	278.2	221.5
-50°	1419.0	1225.7	1041.3	881.7	733.3	608.2	491.2	410.9	332.6	264.3	216.8
-52.5°	1249.1	1079.6	916.7	769.0	651.8	543.3	457.9	383.7	314.4	255.1	211.4
-55°	1079.7	938.7	793.5	672.0	572.4	495.0	421.9	357.7	294.3	247.4	205.7
-57.5°	921.4	797.8	686.9	584.6	508.9	448.3	387.7	329.7	281.5	238.8	202.4
-60°	768.8	679.3	585.7	515.3	455.0	403.4	353.8	304.8	270.1	230.1	198.2
-62.5°	643.7	569.7	514.6	455.7	404.7	361.8	321.3	289.0	257.0	224.0	193.3
-65°	545.3	497.3	448.5	402.6	358.4	324.7	302.2	272.6	246.4	217.2	187.8
-67.5°	467.8	429.2	391.2	351.0	323.7	302.6	281.9	259.6	236.4	209.7	181.6
-70°	399.7	365.3	342.2	321.3	299.8	281.1	266.6	247.8	226.0	201.9	175.0
-72.5°	348.9	330.8	313.2	294.9	279.8	265.8	252.3	235.6	215.4	193.5	168.0
-75°	317.6	303.4	290.0	276.3	263.0	250.3	237.7	223.0	204.5	184.8	160.8
-77.5°	295.3	283.1	270.2	257.7	246.2	234.6	223.0	210.0	193.2	175.6	153.3
-80°	273.2	262.3	251.1	240.1	229.5	218.7	208.4	197.0	181.8	166.0	145.4
-82.5°	251.1	241.3	232.0	222.5	213.2	203.9	194.2	183.9	170.1	156.1	138.0
-85°	230.4	222.1	213.5	204.7	196.9	189.0	180.5	171.8	160.2	148.5	131.9
-87.5°	213.0	205.8	198.1	190.3	183.7	177.0	169.4	161.7	151.3	140.9	125.6
-90°	4.9	4.9	5.5	6.1	6.1	6.1	6.7	7.3	7.3	7.3	7.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	105.0	87.3	69.6	50.0	30.5	20.7	11.0
87.5°	8.8	8.9	8.9	8.8	8.7	10.0	11.0
85°	9.2	9.3	9.4	9.2	8.9	10.2	11.0
82.5°	9.5	9.7	9.8	9.5	9.2	10.4	11.0
80°	9.9	10.2	10.2	9.8	9.4	10.6	11.0
77.5°	10.6	10.6	10.7	10.1	9.7	10.9	11.0
75°	11.2	11.2	11.1	10.4	10.0	11.1	11.0
72.5°	11.8	11.7	11.5	10.7	10.2	11.3	11.0
70°	12.5	12.3	12.0	11.1	10.6	11.6	11.0
67.5°	13.4	12.8	12.5	11.6	10.9	11.8	11.0
65°	14.3	13.6	13.0	12.1	11.2	12.0	11.0
62.5°	15.3	14.7	13.5	12.6	11.6	12.3	11.0
60°	16.5	15.8	14.0	13.1	12.0	12.5	11.0
57.5°	18.8	17.1	15.3	13.6	12.6	12.8	11.0
55°	21.3	18.4	16.7	14.1	13.4	13.0	11.0
52.5°	24.0	19.9	18.1	14.6	14.1	13.3	11.0
50°	26.9	22.7	19.6	15.2	14.9	13.6	11.0
47.5°	30.2	25.6	21.1	15.9	15.7	13.8	11.0
45°	35.7	28.6	22.8	17.1	16.6	14.1	11.0
42.5°	41.4	31.8	24.4	18.4	17.6	14.3	11.0
40°	47.4	35.0	26.6	20.2	18.5	14.6	11.0
37.5°	53.6	38.4	29.2	22.3	19.5	14.9	11.0
35°	59.9	42.9	31.8	24.5	20.5	15.1	11.0
32.5°	67.1	47.9	34.4	26.7	21.6	15.4	11.0
30°	76.4	52.8	37.0	28.9	22.7	15.7	11.0
27.5°	85.5	57.6	40.5	31.1	23.8	15.9	11.0
25°	94.3	62.4	44.1	33.3	24.9	16.2	11.0
22.5°	102.8	67.3	47.6	35.5	26.0	16.4	11.0
20°	110.9	72.9	51.1	37.7	27.2	16.7	11.0
17.5°	119.3	78.3	54.4	39.9	28.3	16.9	11.0
15°	127.6	83.5	57.7	42.1	29.4	17.1	11.0
12.5°	135.5	88.5	60.8	44.2	30.5	17.3	11.0
10°	142.8	93.4	63.8	46.2	31.5	17.6	11.0
7.5°	149.5	97.9	66.7	48.2	32.6	17.8	11.0
5°	155.7	102.2	69.4	50.1	33.6	18.0	11.0
2.5°	161.2	106.2	72.0	52.0	34.5	18.1	11.0
0°	166.1	109.9	74.5	53.7	35.4	18.3	11.0
-2.5°	171.8	114.3	78.0	56.0	36.8	19.0	11.0
-5°	176.9	118.4	81.3	58.2	38.0	19.6	11.0
-7.5°	181.2	122.1	84.4	60.2	39.3	20.2	11.0
-10°	184.8	125.4	87.3	62.1	40.4	20.8	11.0
-12.5°	187.6	128.4	89.9	63.9	41.5	21.4	11.0
-15°	189.6	130.9	92.4	65.5	42.5	22.0	11.0
-17.5°	190.8	133.0	94.5	67.0	43.4	22.5	11.0
-20°	191.8	134.7	96.4	68.3	44.2	23.0	11.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	192.7	136.0	98.1	69.5	44.9	23.4	11.0
-25°	192.7	137.6	99.4	70.5	45.6	23.8	11.0
-27.5°	191.9	139.1	100.5	71.3	46.1	24.2	11.0
-30°	190.2	140.0	101.3	71.9	46.6	24.6	11.0
-32.5°	187.6	140.5	102.7	72.4	46.9	24.9	11.0
-35°	186.7	140.5	103.8	72.6	47.2	25.2	11.0
-37.5°	186.1	140.5	104.5	72.7	47.4	25.4	11.0
-40°	185.0	141.1	105.0	72.6	47.5	25.6	11.0
-42.5°	183.0	141.4	105.4	72.6	47.5	25.7	11.0
-45°	180.2	141.2	105.6	72.7	47.3	25.8	11.0
-47.5°	176.9	140.7	105.5	72.6	47.1	25.9	11.0
-50°	175.1	139.8	105.0	72.6	46.8	25.9	11.0
-52.5°	173.2	138.5	104.3	72.5	46.4	25.8	11.0
-55°	170.9	136.8	103.3	72.2	46.0	25.8	11.0
-57.5°	168.2	134.8	101.9	71.7	45.4	25.6	11.0
-60°	165.0	132.3	100.3	71.0	44.7	25.5	11.0
-62.5°	161.3	129.5	99.0	70.1	44.0	25.3	11.0
-65°	157.2	126.3	97.3	69.0	43.3	25.0	11.0
-67.5°	152.6	123.1	95.4	67.8	42.4	24.7	11.0
-70°	147.6	119.8	93.3	66.3	41.4	24.4	11.0
-72.5°	142.5	116.1	90.9	64.8	40.3	24.1	11.0
-75°	137.1	112.2	88.3	63.1	39.1	23.7	11.0
-77.5°	131.3	107.9	85.6	61.3	37.8	23.3	11.0
-80°	125.1	103.9	82.8	59.3	36.5	22.8	11.0
-82.5°	120.2	100.0	79.7	57.2	35.1	22.3	11.0
-85°	115.4	96.0	76.5	54.9	33.6	21.8	11.0
-87.5°	110.3	91.7	73.1	52.5	32.1	21.3	11.0
-90°	8.5	8.5	8.5	8.5	8.5	9.8	11.0

(END OF REPORT)