

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: P1306362 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-50-80-4S-CV2-A**

Issue Date: 2/3/2026

**Test Information**

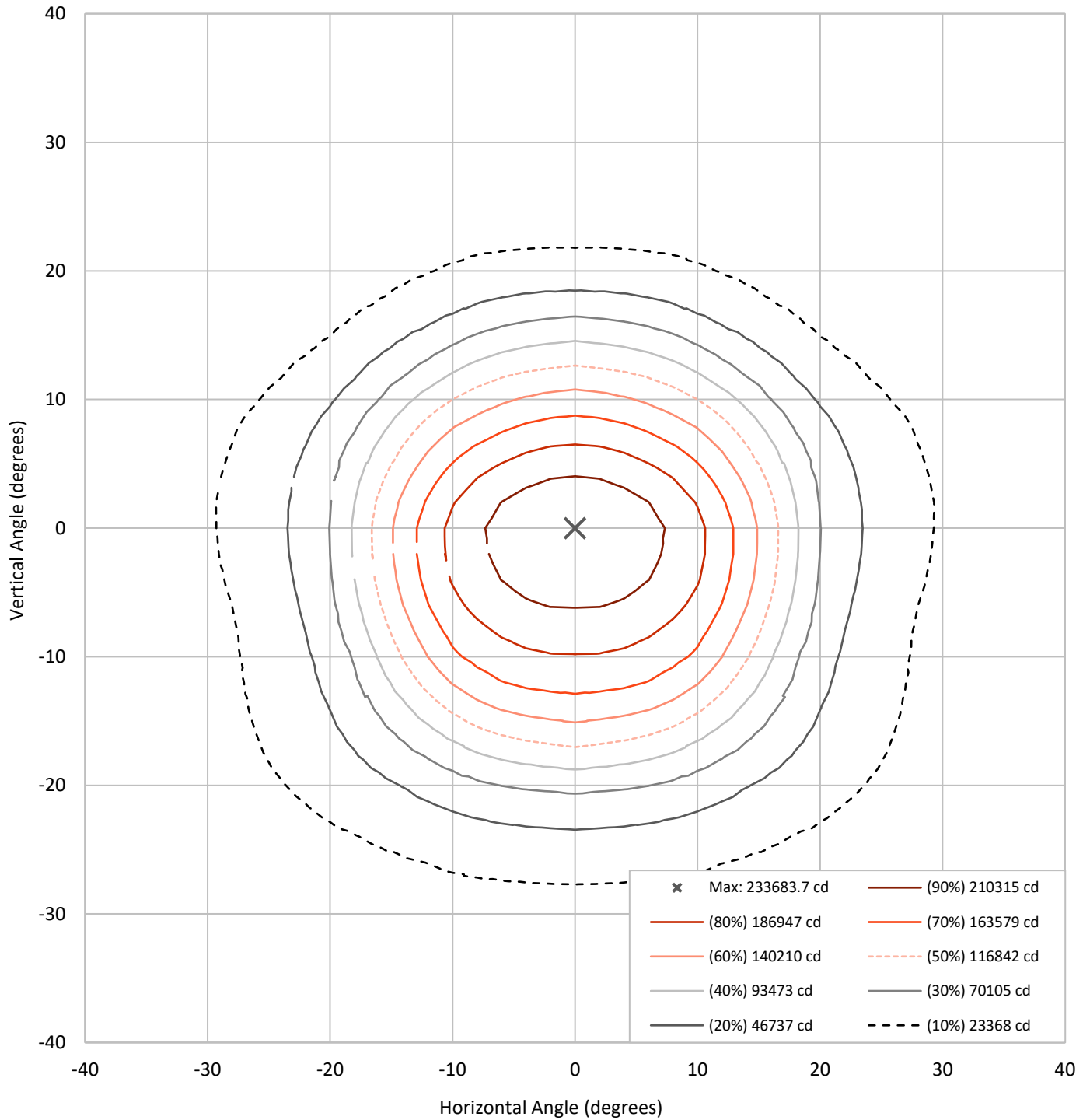
Test Method: LM-79-08  
Report Number: P1306362 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680N-50-80-4S-CV2-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	74789.4 lumens	Max Intensity:	233683.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	41039.3 lumens	Field Lumens:	65753.9 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%
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





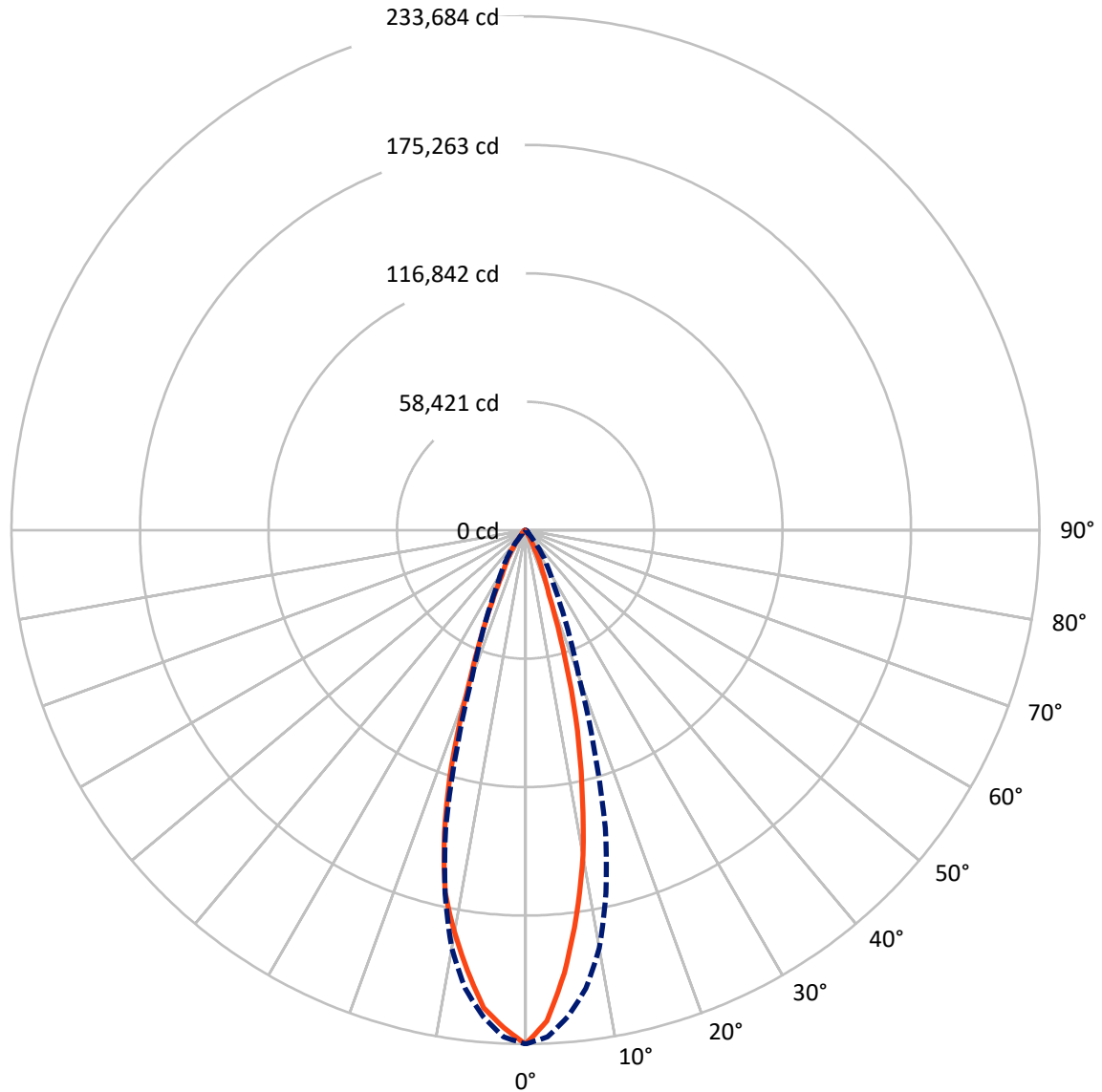
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### Lumen Table

90	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
80	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2			
60		0.1	0.3	0.8	0.8	0.4	0.3	0.4	0.4	0.3	0.4	0.8	0.8	0.3	0.1				
50	0.2	0.2	0.4	0.6	0.7	0.9	1.2	1.5	1.5	1.2	0.9	0.7	0.6	0.4	0.2	0.2			
40		0.2	0.8	1.8	3.1	7.0	14.1	19.4	19.4	14.1	7.0	3.1	1.8	0.8	0.2				
30	0.2	0.4	2.7	7.4	27.4	99.7	236.2	399.5	399.5	236.2	99.7	27.4	7.4	2.7	0.4	0.2			
20		0.9	6.1	19.7	121.1	419.2	1286.4	2430.5	2430.5	1286.4	419.2	121.1	19.7	6.1	0.9				
10	0.3	1.7	10.4	37.2	282.0	1004.4	3331.9	5629.8	5629.8	3331.9	1004.4	282.0	37.2	10.4	1.7	0.3			
0		2.8	13.9	44.1	293.9	1035.8	3739.6	6180.8	6180.8	3739.6	1035.8	293.9	44.1	13.9	2.8				
-10	0.5	3.4	14.2	38.0	229.4	763.6	2233.4	3901.8	3901.8	2233.4	763.6	229.4	38.0	14.2	3.4	0.5			
-20		3.1	12.2	26.1	99.1	362.4	754.3	1128.9	1128.9	754.3	362.4	99.1	26.1	12.2	3.1				
-30	0.4	2.4	9.3	18.1	34.0	97.9	222.2	313.9	313.9	222.2	97.9	34.0	18.1	9.3	2.4	0.4			
-40		1.5	6.3	13.7	22.4	34.0	49.8	65.2	65.2	49.8	34.0	22.4	13.7	6.3	1.5				
-50	0.3	0.7	3.3	9.0	16.6	23.9	30.7	34.7	34.7	30.7	23.9	16.6	9.0	3.3	0.7	0.3			
-60		0.3	1.2	3.7	8.0	13.8	19.8	23.3	23.3	19.8	13.8	8.0	3.7	1.2	0.3				
-70	0.2	0.8		2.9		7.8		11.1		7.8		2.9		0.8		0.2			
-80		0.8		2.9		7.8		11.1		7.8		2.9		0.8					
-90	0.2	0.8		2.9		7.8		11.1		7.8		2.9		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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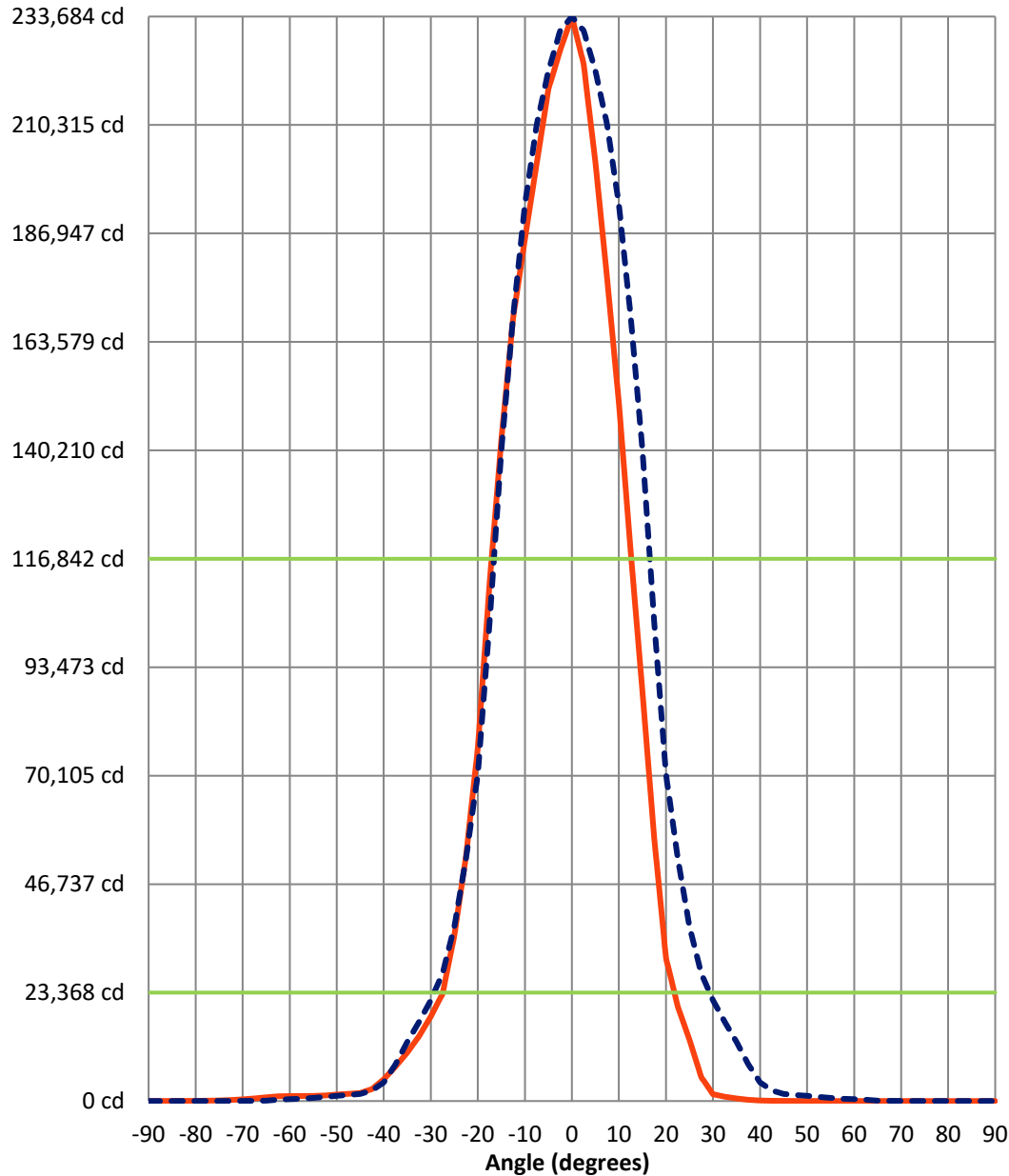
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.2°  
 V Angle: 29.7°  
 Lumens: 41039.3  
 Efficiency: 54.9%

**Field:**  
 H Angle: 58.6°  
 V Angle: 49.3°  
 Lumens: 65753.9  
 Efficiency: 87.9%

**Spill:**  
 Lumens: 9035.5  
 Efficiency: 12.1%

— 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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.5	8.6	8.5	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.4	8.8	9.0	9.0	8.8	8.3
75°	8.2	8.2	8.2	8.2	8.3	8.8	9.3	9.5	9.4	8.9	8.4
72.5°	8.2	8.2	8.2	8.2	8.6	9.2	9.8	9.9	9.4	8.9	8.4
70°	8.2	8.2	8.2	8.2	9.0	9.7	10.3	10.0	9.5	9.0	9.1
67.5°	8.2	8.2	8.2	8.5	9.3	10.1	10.3	10.0	9.6	9.5	9.8
65°	8.2	8.2	8.2	8.8	9.6	10.3	10.3	10.1	9.8	10.0	10.3
62.5°	8.2	8.2	8.2	9.0	10.0	10.3	10.3	10.2	10.1	10.3	10.3
60°	8.2	8.2	8.2	9.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3
57.5°	8.2	8.2	8.4	9.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3
55°	8.2	8.2	8.5	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3
52.5°	8.2	8.2	8.7	9.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.2	8.2	8.8	10.1	10.3	10.3	10.3	10.3	10.3	10.3	11.2
47.5°	8.2	8.2	8.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.1
45°	8.2	8.2	9.1	10.3	10.3	10.3	10.3	10.3	10.4	11.0	12.9
42.5°	8.2	8.2	9.2	10.3	10.3	10.3	10.3	10.4	10.5	11.5	13.4
40°	8.2	8.2	9.3	10.3	10.3	10.3	10.3	10.5	10.8	12.0	13.9
37.5°	8.2	8.2	9.4	10.3	10.3	10.3	10.3	10.8	11.4	12.7	14.2
35°	8.2	8.2	9.5	10.3	10.3	10.3	10.3	11.0	12.0	13.3	14.6
32.5°	8.2	8.2	9.6	10.3	10.3	10.3	10.4	11.3	12.6	14.0	15.6
30°	8.2	8.2	9.7	10.3	10.3	10.3	10.6	11.6	13.1	14.6	16.9
27.5°	8.2	8.2	9.8	10.3	10.3	10.3	10.8	12.1	13.6	15.1	18.6
25°	8.2	8.2	9.9	10.3	10.3	10.3	11.1	12.5	14.1	16.2	20.6
22.5°	8.2	8.2	10.0	10.3	10.3	10.3	11.3	12.9	14.6	17.6	24.9
20°	8.2	8.2	10.0	10.3	10.3	10.5	11.6	13.3	15.0	19.2	29.3
17.5°	8.2	8.2	10.1	10.3	10.3	10.7	11.9	13.6	15.4	20.9	33.7
15°	8.2	8.2	10.2	10.3	10.3	10.9	12.1	14.0	15.8	22.6	38.1
12.5°	8.2	8.2	10.2	10.3	10.3	11.1	12.2	14.4	16.9	24.4	42.4
10°	8.2	8.2	10.2	10.3	10.3	11.4	12.3	14.9	18.8	28.4	48.3
7.5°	8.2	8.2	10.3	10.3	10.3	11.6	12.4	15.3	20.8	32.8	58.2
5°	8.2	8.2	10.3	10.3	10.3	11.9	12.4	15.7	22.8	37.1	68.0
2.5°	8.2	8.2	10.3	10.3	10.3	12.2	12.4	16.1	24.9	41.3	77.6
0°	8.2	8.2	10.3	10.3	10.3	12.4	12.4	16.5	26.8	45.3	86.6
-2.5°	8.2	8.2	10.3	10.3	10.3	12.4	13.5	19.7	34.6	60.0	112.0
-5°	8.2	8.2	10.3	10.3	10.3	12.4	14.5	22.8	41.9	74.1	135.9
-7.5°	8.2	8.2	10.3	10.3	10.3	12.3	15.5	25.6	48.7	87.0	157.8
-10°	8.2	8.2	10.2	10.3	10.3	12.2	16.4	28.1	54.7	98.6	177.0
-12.5°	8.2	8.2	10.2	10.3	10.3	12.1	17.1	30.2	59.7	108.4	189.7
-15°	8.2	8.2	10.2	10.3	10.3	12.0	17.5	31.9	63.9	115.9	198.0
-17.5°	8.2	8.2	10.1	10.3	10.3	11.9	17.8	33.6	67.3	121.5	203.5
-20°	8.2	8.2	10.0	10.3	10.3	11.8	18.2	35.3	69.3	125.0	206.1



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 CATALOG NUMBER: EPH-08-680N-50-80-4S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.2	10.0	10.3	10.3	11.6	18.9	36.4	69.8	126.1	205.7
-25°	8.2	8.2	9.9	10.3	10.3	11.7	19.3	36.8	68.6	124.8	202.0
-27.5°	8.2	8.2	9.8	10.3	10.3	11.9	19.2	36.5	65.6	121.8	199.9
-30°	8.2	8.2	9.7	10.3	10.3	12.0	18.7	35.4	63.7	118.3	194.6
-32.5°	8.2	8.2	9.6	10.3	10.4	11.9	17.6	34.6	62.3	112.3	185.9
-35°	8.2	8.2	9.5	10.3	10.5	11.6	17.2	33.4	59.9	103.8	173.7
-37.5°	8.2	8.2	9.4	10.3	10.6	11.4	16.9	31.4	56.3	92.8	154.7
-40°	8.2	8.2	9.3	10.3	10.6	11.5	16.3	28.7	51.7	85.5	136.1
-42.5°	8.2	8.2	9.2	10.3	10.7	11.5	15.5	25.3	47.3	77.4	116.6
-45°	8.2	8.2	9.1	10.4	10.7	11.5	14.4	22.4	42.5	68.3	97.7
-47.5°	8.2	8.2	8.9	10.4	10.8	11.5	13.1	20.8	36.7	58.7	86.8
-50°	8.2	8.2	8.8	10.3	10.9	11.5	12.8	18.8	29.6	50.5	75.2
-52.5°	8.2	8.2	8.7	10.1	10.9	11.4	12.6	16.5	25.2	41.6	63.1
-55°	8.2	8.2	8.5	9.9	11.0	11.4	12.5	14.1	21.8	32.2	52.2
-57.5°	8.2	8.2	8.4	9.8	11.0	11.5	12.2	13.8	18.1	26.5	40.6
-60°	8.2	8.2	8.2	9.6	11.1	11.5	12.0	13.4	14.8	21.7	30.5
-62.5°	8.2	8.2	8.2	9.4	10.8	11.6	12.1	12.9	14.3	16.6	24.5
-65°	8.2	8.2	8.2	9.1	10.5	11.6	12.1	12.6	13.7	15.0	18.0
-67.5°	8.2	8.2	8.2	8.9	10.2	11.5	12.2	12.6	13.1	14.3	15.6
-70°	8.2	8.2	8.2	8.7	9.9	11.1	12.2	12.5	12.9	13.7	14.8
-72.5°	8.2	8.2	8.2	8.6	9.6	10.7	11.8	12.4	12.7	13.2	14.1
-75°	8.2	8.2	8.2	8.6	9.2	10.3	11.3	11.9	12.4	12.8	13.3
-77.5°	8.2	8.2	8.2	8.5	9.1	9.9	10.8	11.3	11.8	12.2	12.6
-80°	8.2	8.2	8.2	8.5	8.9	9.5	10.3	10.7	11.1	11.4	11.7
-82.5°	8.2	8.2	8.2	8.4	8.7	9.2	9.8	10.1	10.3	10.6	10.9
-85°	8.2	8.2	8.2	8.3	8.6	8.9	9.3	9.5	9.6	9.8	10.0
-87.5°	8.2	8.2	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7
87.5°	7.7	7.2	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.7	7.2	6.8	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.6
82.5°	7.9	7.7	7.6	7.6	7.5	7.2	6.7	6.2	6.2	6.2	6.2
80°	8.1	8.2	8.2	8.2	7.8	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.2	8.2	8.2	8.2	7.8	7.5	7.3	7.3	7.3	7.1	6.8
75°	8.2	8.2	8.3	8.3	8.1	8.1	8.2	8.2	7.9	7.4	6.9
72.5°	8.5	8.8	8.8	8.5	8.2	8.2	8.2	8.2	8.5	8.6	8.4
70°	9.4	9.5	9.1	8.5	8.2	8.5	9.6	10.7	11.5	11.5	11.8
67.5°	10.2	9.7	9.1	8.9	9.8	11.1	12.4	14.0	15.7	16.3	17.1
65°	10.2	9.7	9.8	10.6	12.2	13.8	15.6	17.7	22.1	24.9	26.2
62.5°	10.3	10.2	10.8	12.3	14.4	16.4	19.6	24.6	31.3	36.0	36.2
60°	10.3	10.5	12.1	14.3	16.5	19.3	24.1	31.7	41.8	49.4	45.0
57.5°	10.3	11.5	13.9	16.1	18.4	21.5	28.8	38.6	49.0	59.9	51.2
55°	10.8	13.1	15.4	17.5	20.3	24.3	32.0	41.2	52.6	55.7	45.8
52.5°	12.2	14.5	16.3	18.8	22.4	26.2	31.6	39.6	43.3	44.1	38.1
50°	13.4	15.2	17.1	20.0	23.7	26.9	28.5	33.3	34.7	33.0	29.7
47.5°	14.2	15.9	17.6	20.9	24.6	27.3	27.3	27.6	27.1	26.6	21.9
45°	14.7	16.5	18.2	21.9	25.8	28.1	26.8	23.0	26.2	25.2	24.1
42.5°	15.2	17.1	20.0	22.9	28.0	29.5	27.4	28.4	29.3	30.5	31.0
40°	15.7	17.6	22.6	28.1	31.0	31.7	35.1	37.7	36.6	40.0	42.0
37.5°	16.2	20.4	27.3	37.5	34.3	38.8	45.2	55.5	55.9	52.6	60.5
35°	16.6	23.7	38.9	49.9	47.2	50.0	66.9	80.4	84.4	80.0	85.0
32.5°	18.6	27.3	53.4	64.9	71.5	74.9	94.2	114.5	129.8	132.7	120.3
30°	22.4	40.5	70.1	83.0	102.2	120.7	134.1	158.6	190.1	214.7	224.8
27.5°	27.4	56.7	87.5	110.9	140.0	171.7	194.8	225.4	276.7	320.8	356.9
25°	32.7	78.7	106.9	145.0	188.3	229.2	264.9	316.0	383.9	456.9	583.9
22.5°	44.4	103.7	136.2	182.5	239.8	291.0	350.3	423.1	510.0	610.3	845.8
20°	63.6	128.4	171.5	224.5	295.1	355.9	439.4	532.3	650.9	864.8	1264.6
17.5°	84.0	154.9	207.6	274.2	361.8	438.5	532.2	640.8	797.9	1140.0	1927.7
15°	105.2	182.8	242.0	326.7	434.7	544.1	657.2	775.5	1000.2	1529.6	2772.0
12.5°	126.6	211.4	274.7	381.0	511.9	654.3	789.2	939.7	1264.7	2199.1	4022.8
10°	147.7	240.2	305.7	435.9	591.5	766.9	920.2	1097.3	1539.6	2805.6	5141.2
7.5°	182.5	277.8	338.7	490.0	671.6	879.6	1048.7	1247.5	1808.2	3334.2	6171.4
5°	219.3	323.9	391.4	556.1	750.7	980.0	1164.8	1389.1	2062.4	3778.9	7137.7
2.5°	254.4	368.2	442.9	619.7	824.8	1058.1	1238.5	1468.4	2198.4	3986.8	7734.5
0°	286.5	410.1	492.5	678.0	892.3	1127.3	1304.5	1537.4	2281.3	4026.8	7925.8
-2.5°	325.4	456.1	543.9	724.3	929.2	1167.9	1346.3	1589.8	2367.1	4252.0	7960.4
-5°	358.7	498.7	592.7	765.6	960.2	1199.6	1381.3	1630.7	2407.2	4354.5	7793.1
-7.5°	385.7	537.6	639.0	798.3	976.2	1205.9	1394.1	1637.4	2379.2	4301.7	7450.6
-10°	401.9	554.0	650.2	797.7	971.0	1192.5	1394.2	1631.5	2298.9	4082.7	6969.6
-12.5°	390.1	549.5	652.3	791.7	961.1	1170.0	1384.3	1612.8	2162.0	3678.4	6406.8
-15°	375.6	542.2	650.9	780.2	947.0	1138.3	1363.7	1580.9	1948.7	3051.5	5711.7
-17.5°	358.9	532.1	645.9	763.0	928.9	1097.6	1321.9	1497.9	1728.1	2600.0	4910.5
-20°	340.7	519.3	637.2	740.2	906.9	1038.8	1223.3	1404.7	1614.6	2211.0	3832.7



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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°	321.8	504.1	622.7	725.4	850.7	971.1	1119.6	1297.3	1489.7	1727.6	2686.2
-25°	310.7	475.7	601.8	691.1	789.9	902.0	1013.2	1177.2	1359.3	1551.0	2055.5
-27.5°	304.9	448.2	567.6	656.7	731.4	832.9	927.4	1058.4	1227.2	1391.1	1551.0
-30°	295.1	409.2	532.7	621.2	688.9	768.9	850.3	956.6	1106.4	1250.3	1382.8
-32.5°	273.8	369.5	489.9	581.6	651.3	709.6	790.0	884.9	1000.2	1125.2	1231.8
-35°	247.7	338.2	443.7	542.1	614.2	669.5	741.9	821.6	906.3	1014.6	1142.3
-37.5°	223.4	304.3	397.7	497.9	571.7	638.9	694.6	766.3	839.4	919.6	1047.3
-40°	197.3	267.7	356.1	448.2	533.7	603.3	661.2	714.9	778.7	858.9	944.2
-42.5°	170.2	237.0	313.5	399.5	485.3	560.4	626.0	675.6	730.2	799.2	875.1
-45°	147.7	204.5	269.9	351.3	432.2	511.3	578.2	640.7	693.0	743.9	809.4
-47.5°	124.3	172.5	232.8	302.1	379.0	453.2	525.7	594.6	661.2	708.7	748.9
-50°	102.9	146.0	195.2	258.8	325.9	395.4	463.2	544.0	614.5	674.4	721.1
-52.5°	89.2	118.7	163.8	216.1	276.5	339.0	406.0	480.2	556.6	627.9	682.5
-55°	74.7	100.2	132.1	177.3	228.5	285.2	347.9	416.0	485.5	557.0	627.0
-57.5°	60.8	83.4	107.8	139.3	183.6	232.1	289.6	350.1	414.0	479.0	543.6
-60°	46.8	66.6	88.5	111.6	138.7	182.3	229.9	283.0	339.9	398.2	456.6
-62.5°	33.4	49.6	68.9	89.7	111.2	135.0	173.3	217.6	263.4	311.8	362.6
-65°	25.9	34.4	48.7	66.9	86.6	107.3	130.2	155.1	193.3	230.8	266.5
-67.5°	18.2	26.0	33.7	43.1	59.9	77.7	96.9	117.6	139.8	161.7	187.3
-70°	16.2	18.4	24.5	31.4	38.0	46.6	62.3	79.0	96.2	112.8	131.1
-72.5°	15.2	16.9	19.1	21.8	27.2	32.7	38.0	43.1	53.2	66.9	80.3
-75°	14.2	15.2	16.7	18.7	20.9	23.2	25.9	30.4	34.6	38.8	42.9
-77.5°	13.1	13.8	14.7	15.8	17.1	18.8	20.6	22.6	24.3	26.0	27.8
-80°	12.1	12.4	12.9	13.5	14.3	15.2	16.2	17.3	18.1	19.0	20.1
-82.5°	11.1	11.3	11.6	11.8	11.9	12.2	12.5	13.1	13.7	14.2	14.7
-85°	10.1	10.3	10.5	10.6	10.4	10.2	10.0	9.9	10.2	10.4	10.7
-87.5°	9.2	9.2	9.3	9.4	9.2	8.9	8.6	8.2	8.1	8.0	7.9
-90°	7.7	7.2	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.2	6.2	6.2	6.2	6.2	7.2	8.3	9.3	10.3	11.3	12.4
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	5.4	5.2	4.9	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.8	5.2	4.7	4.2	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.3	5.9	5.6	5.4	5.3	5.1	4.9	4.6	4.2	3.7	3.1
75°	6.4	6.3	6.4	6.4	6.3	5.8	5.3	4.7	4.2	4.0	4.0
72.5°	8.1	7.7	7.6	7.8	7.8	7.6	7.2	6.6	5.9	5.8	6.0
70°	12.1	12.3	12.4	12.2	11.5	10.6	9.8	8.9	8.0	7.8	7.9
67.5°	18.2	18.5	17.9	16.6	14.5	12.6	11.8	11.0	10.1	9.8	10.0
65°	26.3	24.3	22.2	19.9	17.1	14.2	13.4	12.6	12.0	12.1	12.7
62.5°	33.9	27.7	22.3	18.9	16.3	14.2	13.3	12.4	11.5	11.1	11.5
60°	37.4	26.5	19.2	17.0	14.9	12.7	11.5	10.5	9.6	9.0	9.4
57.5°	37.4	25.9	17.8	15.2	12.9	11.0	10.0	9.4	8.8	8.3	8.9
55°	33.3	23.0	15.1	13.0	11.7	10.8	10.2	10.0	9.8	9.5	9.9
52.5°	26.8	19.3	14.1	12.2	12.2	12.3	12.2	12.2	12.4	12.8	13.3
50°	21.3	16.4	14.9	14.0	14.5	14.6	14.3	15.1	16.2	16.8	17.3
47.5°	19.5	17.9	18.0	17.6	18.3	19.8	20.1	20.7	22.3	23.2	23.9
45°	21.7	23.3	24.3	25.9	27.0	29.3	30.1	30.1	33.5	35.9	37.1
42.5°	30.4	33.0	36.2	39.5	41.0	44.1	47.2	48.9	54.0	58.1	59.7
40°	45.8	47.3	54.1	58.3	61.4	65.2	74.7	81.1	91.0	109.5	123.0
37.5°	67.3	72.3	76.4	82.2	95.2	101.5	132.1	159.8	178.7	224.8	250.8
35°	98.7	112.2	107.5	133.9	166.5	207.5	252.1	318.5	371.2	433.4	490.9
32.5°	154.6	187.7	219.7	250.4	323.8	441.4	444.5	568.9	652.1	753.0	841.8
30°	244.7	361.8	509.0	557.8	764.2	994.9	930.9	1121.6	1310.7	1423.1	1811.3
27.5°	482.9	746.7	1039.3	1411.2	1795.8	2192.4	2455.1	2547.0	3503.3	4206.5	5121.8
25°	826.3	1289.1	2106.6	2708.8	3384.1	4265.0	4773.9	5458.8	7054.0	9041.7	10585.6
22.5°	1316.7	2125.5	3205.5	4116.7	5129.1	6316.3	7389.9	9032.1	11512.6	14225.8	16534.0
20°	1866.5	2909.1	4277.6	5642.9	6970.0	8517.0	10385.1	13738.5	17571.2	21824.3	25669.2
17.5°	2880.6	3906.0	5658.5	7525.0	9410.4	11273.9	15381.8	20348.3	26347.9	32650.0	38247.3
15°	4329.9	5989.4	7727.7	10195.7	13333.9	16915.0	22117.5	30828.3	40146.4	49981.7	61706.9
12.5°	6221.3	8627.0	11234.6	14092.2	18347.1	24884.3	33514.6	44146.9	57484.5	72240.0	88924.5
10°	8151.3	11620.9	15211.9	19293.0	24901.1	33321.3	44466.7	57779.6	78754.8	99428.7	116841.9
7.5°	9720.6	13764.1	18294.8	23716.0	31025.5	41285.2	55058.4	74298.6	99312.8	123910.9	143391.4
5°	11193.0	15634.7	20351.4	25890.4	34702.6	47074.8	63661.8	87666.6	117591.9	143752.5	164626.8
2.5°	12260.9	16926.8	21806.3	27442.3	37489.1	50594.3	68804.9	98581.3	133025.1	159828.3	183762.9
0°	12733.6	17051.0	21718.7	27501.3	37580.6	52389.5	70588.4	103190.1	140169.0	168984.0	193026.3
-2.5°	12147.5	16339.0	21155.7	26804.9	36908.7	51134.7	69933.6	102671.1	139777.1	169000.1	192703.7
-5°	11527.4	15501.0	19972.4	25194.3	34407.5	47635.1	66815.1	98094.7	133702.0	163081.2	186203.8
-7.5°	10866.3	14503.1	18503.5	23188.6	31362.2	44091.0	61900.9	88300.9	121584.1	151497.3	173244.1
-10°	10110.5	13421.2	17628.1	22593.7	29709.2	40773.9	55502.6	76652.2	107826.3	135618.7	159495.4
-12.5°	9666.7	13198.1	17401.9	21962.9	27702.6	37453.5	50854.6	68895.6	90235.1	116051.4	137296.8
-15°	9096.3	12670.9	16840.0	21119.0	26432.0	34045.2	44625.9	57877.0	74114.5	91511.6	110369.0
-17.5°	8158.6	11731.1	15088.5	19104.5	24150.8	30165.8	37769.4	48053.2	58826.7	71153.4	82435.6
-20°	6614.3	9500.1	12675.1	16459.1	20797.1	25355.2	30432.9	37439.9	44274.0	52903.8	59831.7



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 CATALOG NUMBER: EPH-08-680N-50-80-4S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4758.7	7197.9	9948.8	13076.0	16511.3	20413.7	24238.7	27936.5	32620.2	38082.7	43649.2
-25°	3099.2	4903.8	7285.8	9848.8	12248.1	15366.8	18114.9	20323.2	23481.5	25953.3	29326.6
-27.5°	2146.1	3319.0	5093.4	7135.6	9028.0	11024.2	13261.4	14769.1	17229.4	18566.6	20634.4
-30°	1570.4	2228.6	3504.8	5032.2	6680.9	8380.1	9977.2	11634.9	13346.3	14859.7	16007.3
-32.5°	1392.6	1651.2	2280.5	3379.8	4669.9	6094.7	7447.1	8892.3	10255.7	11428.8	12375.5
-35°	1271.9	1416.9	1614.6	2195.9	2965.8	4078.1	5142.1	6311.9	7407.0	8313.9	9074.0
-37.5°	1176.3	1292.4	1416.9	1544.4	1976.6	2463.5	3219.7	4032.7	4735.5	5538.3	6158.5
-40°	1067.8	1191.8	1291.4	1393.2	1507.8	1630.0	2039.4	2403.3	2800.4	3342.4	3785.3
-42.5°	955.8	1063.8	1176.0	1270.7	1357.1	1448.4	1540.5	1622.0	1823.6	2062.6	2243.9
-45°	878.3	954.6	1036.9	1137.3	1230.4	1309.5	1383.9	1455.2	1528.4	1596.0	1652.1
-47.5°	810.0	871.7	939.5	1008.4	1078.4	1159.8	1236.1	1308.6	1372.0	1429.7	1476.0
-50°	760.2	802.8	859.2	913.7	973.5	1030.2	1080.9	1140.3	1205.3	1264.4	1311.6
-52.5°	734.9	772.3	804.6	843.7	897.7	945.2	986.9	1034.0	1079.1	1120.5	1150.9
-55°	685.4	734.2	781.5	825.4	862.6	896.6	932.8	978.9	1018.6	1052.7	1071.5
-57.5°	607.7	670.4	729.9	785.6	838.0	887.3	928.2	964.9	1001.6	1036.5	1052.6
-60°	515.9	575.8	637.8	704.9	772.6	839.9	889.5	936.8	981.4	1018.8	1038.6
-62.5°	417.2	471.8	527.3	587.7	652.0	715.1	769.2	825.6	883.4	933.2	965.1
-65°	305.1	351.6	401.3	450.8	499.7	550.1	598.4	645.9	692.0	729.4	755.4
-67.5°	218.7	248.7	279.5	311.2	349.1	388.0	423.7	458.2	491.2	517.5	537.0
-70°	150.3	169.7	187.9	208.1	232.3	255.9	277.9	298.8	318.3	335.0	348.8
-72.5°	93.5	106.2	118.8	133.0	146.8	160.0	172.4	184.1	194.9	204.7	213.5
-75°	47.0	52.9	62.9	72.4	81.3	90.6	99.2	106.7	113.2	118.7	123.4
-77.5°	30.5	34.2	37.9	41.3	44.5	48.8	53.6	58.4	63.3	67.1	70.8
-80°	21.3	23.4	25.6	27.9	30.2	32.9	35.7	38.4	41.1	42.9	44.4
-82.5°	15.2	16.3	17.6	18.9	20.3	22.2	24.2	26.1	28.0	29.3	30.5
-85°	10.9	11.4	12.0	12.6	13.2	15.0	16.7	18.4	20.1	21.3	22.4
-87.5°	7.8	7.9	7.9	8.0	8.0	9.5	11.1	12.7	14.3	14.8	15.4
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1



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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°	13.4	14.4	14.4	14.4	14.4	14.4	13.4	12.4	11.3	10.3	9.3
87.5°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.7	4.2	4.6
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	6.1	6.1	6.2	6.2	6.2	6.1	6.1	6.0	5.8	5.9	6.6
70°	8.1	8.1	7.3	6.2	7.3	8.1	8.1	7.9	7.8	8.0	8.9
67.5°	10.1	10.2	11.2	12.4	11.2	10.2	10.1	10.0	9.8	10.1	11.0
65°	13.4	14.1	13.5	12.4	13.5	14.1	13.4	12.7	12.1	12.0	12.6
62.5°	11.9	12.4	11.5	10.3	11.5	12.4	11.9	11.5	11.1	11.5	12.4
60°	9.8	10.2	10.3	10.3	10.3	10.2	9.8	9.4	9.0	9.6	10.5
57.5°	9.5	10.1	10.3	10.3	10.3	10.1	9.5	8.9	8.3	8.8	9.4
55°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	9.9	9.5	9.8	10.0
52.5°	13.8	14.1	14.3	14.4	14.3	14.1	13.8	13.3	12.8	12.4	12.2
50°	17.8	18.2	18.4	18.5	18.4	18.2	17.8	17.3	16.8	16.2	15.1
47.5°	24.5	24.5	24.6	24.7	24.6	24.5	24.5	23.9	23.2	22.3	20.7
45°	37.7	37.2	36.8	37.1	36.8	37.2	37.7	37.1	35.9	33.5	30.1
42.5°	61.3	61.4	61.2	61.8	61.2	61.4	61.3	59.7	58.1	54.0	48.9
40°	126.6	122.1	115.6	115.4	115.6	122.1	126.6	123.0	109.5	91.0	81.1
37.5°	263.6	268.2	267.6	272.0	267.6	268.2	263.6	250.8	224.8	178.7	159.8
35°	534.6	558.6	564.0	562.6	564.0	558.6	534.6	490.9	433.4	371.2	318.5
32.5°	880.5	912.3	921.2	933.5	921.2	912.3	880.5	841.8	753.0	652.1	568.9
30°	1548.0	1590.8	1550.0	1467.3	1550.0	1590.8	1548.0	1811.3	1423.1	1310.7	1121.6
27.5°	5609.2	5814.9	5351.9	5182.9	5351.9	5814.9	5609.2	5121.8	4206.5	3503.3	2547.0
25°	11431.4	12341.2	13273.8	13191.1	13273.8	12341.2	11431.4	10585.6	9041.7	7054.0	5458.8
22.5°	18448.8	19370.7	20139.2	20403.9	20139.2	19370.7	18448.8	16534.0	14225.8	11512.6	9032.1
20°	29221.4	31017.0	32302.7	30932.5	32302.7	31017.0	29221.4	25669.2	21824.3	17571.2	13738.5
17.5°	46708.6	52115.8	54924.7	56698.6	54924.7	52115.8	46708.6	38247.3	32650.0	26347.9	20348.3
15°	72507.1	80661.7	85179.4	88171.1	85179.4	80661.7	72507.1	61706.9	49981.7	40146.4	30828.3
12.5°	102259.1	111150.1	115143.0	118401.9	115143.0	111150.1	102259.1	88924.5	72240.0	57484.5	44146.9
10°	130542.4	140147.9	146798.2	150254.5	146798.2	140147.9	130542.4	116841.9	99428.7	78754.8	57779.6
7.5°	156456.7	168206.8	174955.4	177103.6	174955.4	168206.8	156456.7	143391.4	123910.9	99312.8	74298.6
5°	181804.4	192288.1	200404.0	202244.2	200404.0	192288.1	181804.4	164626.8	143752.5	117591.9	87666.6
2.5°	201320.9	213885.5	221171.9	223374.6	221171.9	213885.5	201320.9	183762.9	159828.3	133025.1	98581.3
0°	210264.8	221961.9	230589.4	233683.7	230589.4	221961.9	210264.8	193026.3	168984.0	140169.0	103190.1
-2.5°	208394.1	219173.6	225349.2	226413.2	225349.2	219173.6	208394.1	192703.7	169000.1	139777.1	102671.1
-5°	201814.7	211718.9	217818.3	217992.8	217818.3	211718.9	201814.7	186203.8	163081.2	133702.0	98094.7
-7.5°	187362.7	196624.2	200876.5	201944.4	200876.5	196624.2	187362.7	173244.1	151497.3	121584.1	88300.9
-10°	172653.2	181245.5	185263.7	185708.4	185263.7	181245.5	172653.2	159495.4	135618.7	107826.3	76652.2
-12.5°	153599.7	162793.5	166805.6	168692.4	166805.6	162793.5	153599.7	137296.8	116051.4	90235.1	68895.6
-15°	125246.0	134136.3	138949.7	142503.9	138949.7	134136.3	125246.0	110369.0	91511.6	74114.5	57877.0
-17.5°	94865.2	102485.4	107228.8	111546.6	107228.8	102485.4	94865.2	82435.6	71153.4	58826.7	48053.2
-20°	67540.0	72392.8	73883.4	76210.2	73883.4	72392.8	67540.0	59831.7	52903.8	44274.0	37439.9



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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°	47436.8	50196.0	51943.8	52931.5	51943.8	50196.0	47436.8	43649.2	38082.7	32620.2	27936.5
-25°	32158.8	34072.4	34816.5	35674.4	34816.5	34072.4	32158.8	29326.6	25953.3	23481.5	20323.2
-27.5°	21541.3	22327.1	22863.8	23155.1	22863.8	22327.1	21541.3	20634.4	18566.6	17229.4	14769.1
-30°	16931.1	17649.7	18080.6	18217.4	18080.6	17649.7	16931.1	16007.3	14859.7	13346.3	11634.9
-32.5°	13108.4	13651.6	13942.0	13980.4	13942.0	13651.6	13108.4	12375.5	11428.8	10255.7	8892.3
-35°	9711.1	10205.8	10479.7	10460.6	10479.7	10205.8	9711.1	9074.0	8313.9	7407.0	6311.9
-37.5°	6691.8	7111.2	7368.5	7435.3	7368.5	7111.2	6691.8	6158.5	5538.3	4735.5	4032.7
-40°	4186.3	4494.4	4678.3	4702.7	4678.3	4494.4	4186.3	3785.3	3342.4	2800.4	2403.3
-42.5°	2403.1	2527.9	2597.9	2594.5	2597.9	2527.9	2403.1	2243.9	2062.6	1823.6	1622.0
-45°	1688.9	1716.8	1732.6	1735.2	1732.6	1716.8	1688.9	1652.1	1596.0	1528.4	1455.2
-47.5°	1509.5	1536.0	1550.1	1551.8	1550.1	1536.0	1509.5	1476.0	1429.7	1372.0	1308.6
-50°	1349.3	1380.6	1397.7	1401.3	1397.7	1380.6	1349.3	1311.6	1264.4	1205.3	1140.3
-52.5°	1175.4	1196.1	1203.0	1199.4	1203.0	1196.1	1175.4	1150.9	1120.5	1079.1	1034.0
-55°	1089.0	1105.9	1113.2	1114.9	1113.2	1105.9	1089.0	1071.5	1052.7	1018.6	978.9
-57.5°	1068.1	1083.3	1088.0	1088.1	1088.0	1083.3	1068.1	1052.6	1036.5	1001.6	964.9
-60°	1058.2	1077.1	1080.7	1077.8	1080.7	1077.1	1058.2	1038.6	1018.8	981.4	936.8
-62.5°	993.3	1017.5	1025.2	1024.2	1025.2	1017.5	993.3	965.1	933.2	883.4	825.6
-65°	777.4	795.2	804.3	807.8	804.3	795.2	777.4	755.4	729.4	692.0	645.9
-67.5°	552.9	565.2	569.2	568.8	569.2	565.2	552.9	537.0	517.5	491.2	458.2
-70°	360.5	370.1	371.1	368.9	371.1	370.1	360.5	348.8	335.0	318.3	298.8
-72.5°	221.3	227.8	227.2	224.6	227.2	227.8	221.3	213.5	204.7	194.9	184.1
-75°	127.3	130.5	129.6	127.8	129.6	130.5	127.3	123.4	118.7	113.2	106.7
-77.5°	74.3	77.6	78.2	78.3	78.2	77.6	74.3	70.8	67.1	63.3	58.4
-80°	45.8	47.1	47.3	47.4	47.3	47.1	45.8	44.4	42.9	41.1	38.4
-82.5°	31.7	32.9	33.0	33.0	33.0	32.9	31.7	30.5	29.3	28.0	26.1
-85°	23.5	24.6	24.7	24.7	24.7	24.6	23.5	22.4	21.3	20.1	18.4
-87.5°	16.0	16.5	16.5	16.5	16.5	16.5	16.0	15.4	14.8	14.3	12.7
-90°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.3	7.2	6.2	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
85°	4.0	4.0	4.1	4.5	4.9	5.2	5.4	5.6	5.7	5.9	6.2
82.5°	4.1	4.1	4.1	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.2
80°	4.1	4.1	4.2	4.7	5.2	5.8	6.2	6.3	6.3	6.2	6.3
77.5°	4.9	5.1	5.3	5.4	5.6	5.9	6.3	6.8	7.1	7.3	7.3
75°	5.3	5.8	6.3	6.4	6.4	6.3	6.4	6.9	7.4	7.9	8.2
72.5°	7.2	7.6	7.8	7.8	7.6	7.7	8.1	8.4	8.6	8.5	8.2
70°	9.8	10.6	11.5	12.2	12.4	12.3	12.1	11.8	11.5	11.5	10.7
67.5°	11.8	12.6	14.5	16.6	17.9	18.5	18.2	17.1	16.3	15.7	14.0
65°	13.4	14.2	17.1	19.9	22.2	24.3	26.3	26.2	24.9	22.1	17.7
62.5°	13.3	14.2	16.3	18.9	22.3	27.7	33.9	36.2	36.0	31.3	24.6
60°	11.5	12.7	14.9	17.0	19.2	26.5	37.4	45.0	49.4	41.8	31.7
57.5°	10.0	11.0	12.9	15.2	17.8	25.9	37.4	51.2	59.9	49.0	38.6
55°	10.2	10.8	11.7	13.0	15.1	23.0	33.3	45.8	55.7	52.6	41.2
52.5°	12.2	12.3	12.2	12.2	14.1	19.3	26.8	38.1	44.1	43.3	39.6
50°	14.3	14.6	14.5	14.0	14.9	16.4	21.3	29.7	33.0	34.7	33.3
47.5°	20.1	19.8	18.3	17.6	18.0	17.9	19.5	21.9	26.6	27.1	27.6
45°	30.1	29.3	27.0	25.9	24.3	23.3	21.7	24.1	25.2	26.2	23.0
42.5°	47.2	44.1	41.0	39.5	36.2	33.0	30.4	31.0	30.5	29.3	28.4
40°	74.7	65.2	61.4	58.3	54.1	47.3	45.8	42.0	40.0	36.6	37.7
37.5°	132.1	101.5	95.2	82.2	76.4	72.3	67.3	60.5	52.6	55.9	55.5
35°	252.1	207.5	166.5	133.9	107.5	112.2	98.7	85.0	80.0	84.4	80.4
32.5°	444.5	441.4	323.8	250.4	219.7	187.7	154.6	120.3	132.7	129.8	114.5
30°	930.9	994.9	764.2	557.8	509.0	361.8	244.7	224.8	214.7	190.1	158.6
27.5°	2455.1	2192.4	1795.8	1411.2	1039.3	746.7	482.9	356.9	320.8	276.7	225.4
25°	4773.9	4265.0	3384.1	2708.8	2106.6	1289.1	826.3	583.9	456.9	383.9	316.0
22.5°	7389.9	6316.3	5129.1	4116.7	3205.5	2125.5	1316.7	845.8	610.3	510.0	423.1
20°	10385.1	8517.0	6970.0	5642.9	4277.6	2909.1	1866.5	1264.6	864.8	650.9	532.3
17.5°	15381.8	11273.9	9410.4	7525.0	5658.5	3906.0	2880.6	1927.7	1140.0	797.9	640.8
15°	22117.5	16915.0	13333.9	10195.7	7727.7	5989.4	4329.9	2772.0	1529.6	1000.2	775.5
12.5°	33514.6	24884.3	18347.1	14092.2	11234.6	8627.0	6221.3	4022.8	2199.1	1264.7	939.7
10°	44466.7	33321.3	24901.1	19293.0	15211.9	11620.9	8151.3	5141.2	2805.6	1539.6	1097.3
7.5°	55058.4	41285.2	31025.5	23716.0	18294.8	13764.1	9720.6	6171.4	3334.2	1808.2	1247.5
5°	63661.8	47074.8	34702.6	25890.4	20351.4	15634.7	11193.0	7137.7	3778.9	2062.4	1389.1
2.5°	68804.9	50594.3	37489.1	27442.3	21806.3	16926.8	12260.9	7734.5	3986.8	2198.4	1468.4
0°	70588.4	52389.5	37580.6	27501.3	21718.7	17051.0	12733.6	7925.8	4026.8	2281.3	1537.4
-2.5°	69933.6	51134.7	36908.7	26804.9	21155.7	16339.0	12147.5	7960.4	4252.0	2367.1	1589.8
-5°	66815.1	47635.1	34407.5	25194.3	19972.4	15501.0	11527.4	7793.1	4354.5	2407.2	1630.7
-7.5°	61900.9	44091.0	31362.2	23188.6	18503.5	14503.1	10866.3	7450.6	4301.7	2379.2	1637.4
-10°	55502.6	40773.9	29709.2	22593.7	17628.1	13421.2	10110.5	6969.6	4082.7	2298.9	1631.5
-12.5°	50854.6	37453.5	27702.6	21962.9	17401.9	13198.1	9666.7	6406.8	3678.4	2162.0	1612.8
-15°	44625.9	34045.2	26432.0	21119.0	16840.0	12670.9	9096.3	5711.7	3051.5	1948.7	1580.9
-17.5°	37769.4	30165.8	24150.8	19104.5	15088.5	11731.1	8158.6	4910.5	2600.0	1728.1	1497.9
-20°	30432.9	25355.2	20797.1	16459.1	12675.1	9500.1	6614.3	3832.7	2211.0	1614.6	1404.7



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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°	24238.7	20413.7	16511.3	13076.0	9948.8	7197.9	4758.7	2686.2	1727.6	1489.7	1297.3
-25°	18114.9	15366.8	12248.1	9848.8	7285.8	4903.8	3099.2	2055.5	1551.0	1359.3	1177.2
-27.5°	13261.4	11024.2	9028.0	7135.6	5093.4	3319.0	2146.1	1551.0	1391.1	1227.2	1058.4
-30°	9977.2	8380.1	6680.9	5032.2	3504.8	2228.6	1570.4	1382.8	1250.3	1106.4	956.6
-32.5°	7447.1	6094.7	4669.9	3379.8	2280.5	1651.2	1392.6	1231.8	1125.2	1000.2	884.9
-35°	5142.1	4078.1	2965.8	2195.9	1614.6	1416.9	1271.9	1142.3	1014.6	906.3	821.6
-37.5°	3219.7	2463.5	1976.6	1544.4	1416.9	1292.4	1176.3	1047.3	919.6	839.4	766.3
-40°	2039.4	1630.0	1507.8	1393.2	1291.4	1191.8	1067.8	944.2	858.9	778.7	714.9
-42.5°	1540.5	1448.4	1357.1	1270.7	1176.0	1063.8	955.8	875.1	799.2	730.2	675.6
-45°	1383.9	1309.5	1230.4	1137.3	1036.9	954.6	878.3	809.4	743.9	693.0	640.7
-47.5°	1236.1	1159.8	1078.4	1008.4	939.5	871.7	810.0	748.9	708.7	661.2	594.6
-50°	1080.9	1030.2	973.5	913.7	859.2	802.8	760.2	721.1	674.4	614.5	544.0
-52.5°	986.9	945.2	897.7	843.7	804.6	772.3	734.9	682.5	627.9	556.6	480.2
-55°	932.8	896.6	862.6	825.4	781.5	734.2	685.4	627.0	557.0	485.5	416.0
-57.5°	928.2	887.3	838.0	785.6	729.9	670.4	607.7	543.6	479.0	414.0	350.1
-60°	889.5	839.9	772.6	704.9	637.8	575.8	515.9	456.6	398.2	339.9	283.0
-62.5°	769.2	715.1	652.0	587.7	527.3	471.8	417.2	362.6	311.8	263.4	217.6
-65°	598.4	550.1	499.7	450.8	401.3	351.6	305.1	266.5	230.8	193.3	155.1
-67.5°	423.7	388.0	349.1	311.2	279.5	248.7	218.7	187.3	161.7	139.8	117.6
-70°	277.9	255.9	232.3	208.1	187.9	169.7	150.3	131.1	112.8	96.2	79.0
-72.5°	172.4	160.0	146.8	133.0	118.8	106.2	93.5	80.3	66.9	53.2	43.1
-75°	99.2	90.6	81.3	72.4	62.9	52.9	47.0	42.9	38.8	34.6	30.4
-77.5°	53.6	48.8	44.5	41.3	37.9	34.2	30.5	27.8	26.0	24.3	22.6
-80°	35.7	32.9	30.2	27.9	25.6	23.4	21.3	20.1	19.0	18.1	17.3
-82.5°	24.2	22.2	20.3	18.9	17.6	16.3	15.2	14.7	14.2	13.7	13.1
-85°	16.7	15.0	13.2	12.6	12.0	11.4	10.9	10.7	10.4	10.2	9.9
-87.5°	11.1	9.5	8.0	8.0	7.9	7.9	7.8	7.9	8.0	8.1	8.2
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2
85°	6.4	6.5	6.5	6.5	6.8	7.2	7.7	8.2	8.2	8.2	8.2
82.5°	6.7	7.2	7.5	7.6	7.6	7.7	7.9	8.2	8.3	8.2	8.2
80°	6.8	7.3	7.8	8.2	8.2	8.2	8.1	8.2	8.5	8.6	8.5
77.5°	7.3	7.5	7.8	8.2	8.2	8.2	8.2	8.3	8.8	9.0	9.0
75°	8.2	8.1	8.1	8.3	8.3	8.2	8.2	8.4	8.9	9.4	9.5
72.5°	8.2	8.2	8.2	8.5	8.8	8.8	8.5	8.4	8.9	9.4	9.9
70°	9.6	8.5	8.2	8.5	9.1	9.5	9.4	9.1	9.0	9.5	10.0
67.5°	12.4	11.1	9.8	8.9	9.1	9.7	10.2	9.8	9.5	9.6	10.0
65°	15.6	13.8	12.2	10.6	9.8	9.7	10.2	10.3	10.0	9.8	10.1
62.5°	19.6	16.4	14.4	12.3	10.8	10.2	10.3	10.3	10.3	10.1	10.2
60°	24.1	19.3	16.5	14.3	12.1	10.5	10.3	10.3	10.3	10.3	10.3
57.5°	28.8	21.5	18.4	16.1	13.9	11.5	10.3	10.3	10.3	10.3	10.3
55°	32.0	24.3	20.3	17.5	15.4	13.1	10.8	10.3	10.3	10.3	10.3
52.5°	31.6	26.2	22.4	18.8	16.3	14.5	12.2	10.3	10.3	10.3	10.3
50°	28.5	26.9	23.7	20.0	17.1	15.2	13.4	11.2	10.3	10.3	10.3
47.5°	27.3	27.3	24.6	20.9	17.6	15.9	14.2	12.1	10.3	10.3	10.3
45°	26.8	28.1	25.8	21.9	18.2	16.5	14.7	12.9	11.0	10.4	10.3
42.5°	27.4	29.5	28.0	22.9	20.0	17.1	15.2	13.4	11.5	10.5	10.4
40°	35.1	31.7	31.0	28.1	22.6	17.6	15.7	13.9	12.0	10.8	10.5
37.5°	45.2	38.8	34.3	37.5	27.3	20.4	16.2	14.2	12.7	11.4	10.8
35°	66.9	50.0	47.2	49.9	38.9	23.7	16.6	14.6	13.3	12.0	11.0
32.5°	94.2	74.9	71.5	64.9	53.4	27.3	18.6	15.6	14.0	12.6	11.3
30°	134.1	120.7	102.2	83.0	70.1	40.5	22.4	16.9	14.6	13.1	11.6
27.5°	194.8	171.7	140.0	110.9	87.5	56.7	27.4	18.6	15.1	13.6	12.1
25°	264.9	229.2	188.3	145.0	106.9	78.7	32.7	20.6	16.2	14.1	12.5
22.5°	350.3	291.0	239.8	182.5	136.2	103.7	44.4	24.9	17.6	14.6	12.9
20°	439.4	355.9	295.1	224.5	171.5	128.4	63.6	29.3	19.2	15.0	13.3
17.5°	532.2	438.5	361.8	274.2	207.6	154.9	84.0	33.7	20.9	15.4	13.6
15°	657.2	544.1	434.7	326.7	242.0	182.8	105.2	38.1	22.6	15.8	14.0
12.5°	789.2	654.3	511.9	381.0	274.7	211.4	126.6	42.4	24.4	16.9	14.4
10°	920.2	766.9	591.5	435.9	305.7	240.2	147.7	48.3	28.4	18.8	14.9
7.5°	1048.7	879.6	671.6	490.0	338.7	277.8	182.5	58.2	32.8	20.8	15.3
5°	1164.8	980.0	750.7	556.1	391.4	323.9	219.3	68.0	37.1	22.8	15.7
2.5°	1238.5	1058.1	824.8	619.7	442.9	368.2	254.4	77.6	41.3	24.9	16.1
0°	1304.5	1127.3	892.3	678.0	492.5	410.1	286.5	86.6	45.3	26.8	16.5
-2.5°	1346.3	1167.9	929.2	724.3	543.9	456.1	325.4	112.0	60.0	34.6	19.7
-5°	1381.3	1199.6	960.2	765.6	592.7	498.7	358.7	135.9	74.1	41.9	22.8
-7.5°	1394.1	1205.9	976.2	798.3	639.0	537.6	385.7	157.8	87.0	48.7	25.6
-10°	1394.2	1192.5	971.0	797.7	650.2	554.0	401.9	177.0	98.6	54.7	28.1
-12.5°	1384.3	1170.0	961.1	791.7	652.3	549.5	390.1	189.7	108.4	59.7	30.2
-15°	1363.7	1138.3	947.0	780.2	650.9	542.2	375.6	198.0	115.9	63.9	31.9
-17.5°	1321.9	1097.6	928.9	763.0	645.9	532.1	358.9	203.5	121.5	67.3	33.6
-20°	1223.3	1038.8	906.9	740.2	637.2	519.3	340.7	206.1	125.0	69.3	35.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1119.6	971.1	850.7	725.4	622.7	504.1	321.8	205.7	126.1	69.8	36.4
-25°	1013.2	902.0	789.9	691.1	601.8	475.7	310.7	202.0	124.8	68.6	36.8
-27.5°	927.4	832.9	731.4	656.7	567.6	448.2	304.9	199.9	121.8	65.6	36.5
-30°	850.3	768.9	688.9	621.2	532.7	409.2	295.1	194.6	118.3	63.7	35.4
-32.5°	790.0	709.6	651.3	581.6	489.9	369.5	273.8	185.9	112.3	62.3	34.6
-35°	741.9	669.5	614.2	542.1	443.7	338.2	247.7	173.7	103.8	59.9	33.4
-37.5°	694.6	638.9	571.7	497.9	397.7	304.3	223.4	154.7	92.8	56.3	31.4
-40°	661.2	603.3	533.7	448.2	356.1	267.7	197.3	136.1	85.5	51.7	28.7
-42.5°	626.0	560.4	485.3	399.5	313.5	237.0	170.2	116.6	77.4	47.3	25.3
-45°	578.2	511.3	432.2	351.3	269.9	204.5	147.7	97.7	68.3	42.5	22.4
-47.5°	525.7	453.2	379.0	302.1	232.8	172.5	124.3	86.8	58.7	36.7	20.8
-50°	463.2	395.4	325.9	258.8	195.2	146.0	102.9	75.2	50.5	29.6	18.8
-52.5°	406.0	339.0	276.5	216.1	163.8	118.7	89.2	63.1	41.6	25.2	16.5
-55°	347.9	285.2	228.5	177.3	132.1	100.2	74.7	52.2	32.2	21.8	14.1
-57.5°	289.6	232.1	183.6	139.3	107.8	83.4	60.8	40.6	26.5	18.1	13.8
-60°	229.9	182.3	138.7	111.6	88.5	66.6	46.8	30.5	21.7	14.8	13.4
-62.5°	173.3	135.0	111.2	89.7	68.9	49.6	33.4	24.5	16.6	14.3	12.9
-65°	130.2	107.3	86.6	66.9	48.7	34.4	25.9	18.0	15.0	13.7	12.6
-67.5°	96.9	77.7	59.9	43.1	33.7	26.0	18.2	15.6	14.3	13.1	12.6
-70°	62.3	46.6	38.0	31.4	24.5	18.4	16.2	14.8	13.7	12.9	12.5
-72.5°	38.0	32.7	27.2	21.8	19.1	16.9	15.2	14.1	13.2	12.7	12.4
-75°	25.9	23.2	20.9	18.7	16.7	15.2	14.2	13.3	12.8	12.4	11.9
-77.5°	20.6	18.8	17.1	15.8	14.7	13.8	13.1	12.6	12.2	11.8	11.3
-80°	16.2	15.2	14.3	13.5	12.9	12.4	12.1	11.7	11.4	11.1	10.7
-82.5°	12.5	12.2	11.9	11.8	11.6	11.3	11.1	10.9	10.6	10.3	10.1
-85°	10.0	10.2	10.4	10.6	10.5	10.3	10.1	10.0	9.8	9.6	9.5
-87.5°	8.6	8.9	9.2	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.8
-90°	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.3	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.8	8.4	8.2	8.2	8.2	8.2	8.2
75°	9.3	8.8	8.3	8.2	8.2	8.2	8.2
72.5°	9.8	9.2	8.6	8.2	8.2	8.2	8.2
70°	10.3	9.7	9.0	8.2	8.2	8.2	8.2
67.5°	10.3	10.1	9.3	8.5	8.2	8.2	8.2
65°	10.3	10.3	9.6	8.8	8.2	8.2	8.2
62.5°	10.3	10.3	10.0	9.0	8.2	8.2	8.2
60°	10.3	10.3	10.3	9.2	8.2	8.2	8.2
57.5°	10.3	10.3	10.3	9.5	8.4	8.2	8.2
55°	10.3	10.3	10.3	9.7	8.5	8.2	8.2
52.5°	10.3	10.3	10.3	9.9	8.7	8.2	8.2
50°	10.3	10.3	10.3	10.1	8.8	8.2	8.2
47.5°	10.3	10.3	10.3	10.3	8.9	8.2	8.2
45°	10.3	10.3	10.3	10.3	9.1	8.2	8.2
42.5°	10.3	10.3	10.3	10.3	9.2	8.2	8.2
40°	10.3	10.3	10.3	10.3	9.3	8.2	8.2
37.5°	10.3	10.3	10.3	10.3	9.4	8.2	8.2
35°	10.3	10.3	10.3	10.3	9.5	8.2	8.2
32.5°	10.4	10.3	10.3	10.3	9.6	8.2	8.2
30°	10.6	10.3	10.3	10.3	9.7	8.2	8.2
27.5°	10.8	10.3	10.3	10.3	9.8	8.2	8.2
25°	11.1	10.3	10.3	10.3	9.9	8.2	8.2
22.5°	11.3	10.3	10.3	10.3	10.0	8.2	8.2
20°	11.6	10.5	10.3	10.3	10.0	8.2	8.2
17.5°	11.9	10.7	10.3	10.3	10.1	8.2	8.2
15°	12.1	10.9	10.3	10.3	10.2	8.2	8.2
12.5°	12.2	11.1	10.3	10.3	10.2	8.2	8.2
10°	12.3	11.4	10.3	10.3	10.2	8.2	8.2
7.5°	12.4	11.6	10.3	10.3	10.3	8.2	8.2
5°	12.4	11.9	10.3	10.3	10.3	8.2	8.2
2.5°	12.4	12.2	10.3	10.3	10.3	8.2	8.2
0°	12.4	12.4	10.3	10.3	10.3	8.2	8.2
-2.5°	13.5	12.4	10.3	10.3	10.3	8.2	8.2
-5°	14.5	12.4	10.3	10.3	10.3	8.2	8.2
-7.5°	15.5	12.3	10.3	10.3	10.3	8.2	8.2
-10°	16.4	12.2	10.3	10.3	10.2	8.2	8.2
-12.5°	17.1	12.1	10.3	10.3	10.2	8.2	8.2
-15°	17.5	12.0	10.3	10.3	10.2	8.2	8.2
-17.5°	17.8	11.9	10.3	10.3	10.1	8.2	8.2
-20°	18.2	11.8	10.3	10.3	10.0	8.2	8.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.9	11.6	10.3	10.3	10.0	8.2	8.2
-25°	19.3	11.7	10.3	10.3	9.9	8.2	8.2
-27.5°	19.2	11.9	10.3	10.3	9.8	8.2	8.2
-30°	18.7	12.0	10.3	10.3	9.7	8.2	8.2
-32.5°	17.6	11.9	10.4	10.3	9.6	8.2	8.2
-35°	17.2	11.6	10.5	10.3	9.5	8.2	8.2
-37.5°	16.9	11.4	10.6	10.3	9.4	8.2	8.2
-40°	16.3	11.5	10.6	10.3	9.3	8.2	8.2
-42.5°	15.5	11.5	10.7	10.3	9.2	8.2	8.2
-45°	14.4	11.5	10.7	10.4	9.1	8.2	8.2
-47.5°	13.1	11.5	10.8	10.4	8.9	8.2	8.2
-50°	12.8	11.5	10.9	10.3	8.8	8.2	8.2
-52.5°	12.6	11.4	10.9	10.1	8.7	8.2	8.2
-55°	12.5	11.4	11.0	9.9	8.5	8.2	8.2
-57.5°	12.2	11.5	11.0	9.8	8.4	8.2	8.2
-60°	12.0	11.5	11.1	9.6	8.2	8.2	8.2
-62.5°	12.1	11.6	10.8	9.4	8.2	8.2	8.2
-65°	12.1	11.6	10.5	9.1	8.2	8.2	8.2
-67.5°	12.2	11.5	10.2	8.9	8.2	8.2	8.2
-70°	12.2	11.1	9.9	8.7	8.2	8.2	8.2
-72.5°	11.8	10.7	9.6	8.6	8.2	8.2	8.2
-75°	11.3	10.3	9.2	8.6	8.2	8.2	8.2
-77.5°	10.8	9.9	9.1	8.5	8.2	8.2	8.2
-80°	10.3	9.5	8.9	8.5	8.2	8.2	8.2
-82.5°	9.8	9.2	8.7	8.4	8.2	8.2	8.2
-85°	9.3	8.9	8.6	8.3	8.2	8.2	8.2
-87.5°	8.7	8.5	8.4	8.3	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)