

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

Brand: EPHESUS

Report Number: P1212090 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-2S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212090 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-40-80-2S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

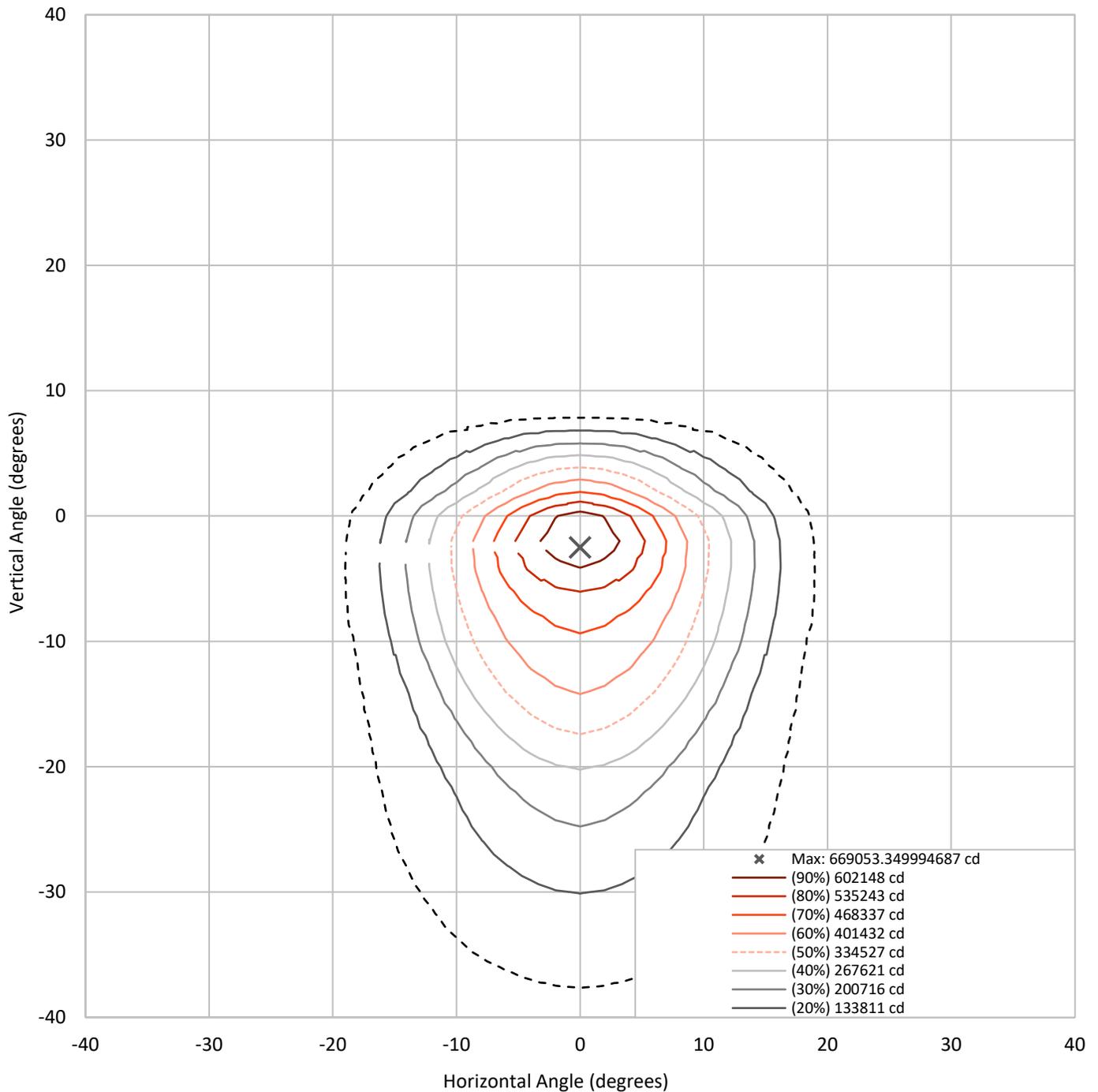
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	121681.5 lumens	Max Intensity:	669053.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	112.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	21.2°H x 21.4°V	Field Angle (10%):	38°H x 45.2°V
Beam Lumens:	45572.9 lumens	Field Lumens:	95947.3 lumens
Beam Efficiency:	37.5%	Field Efficiency:	78.9%
Input Watts (W):	1078.1		
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





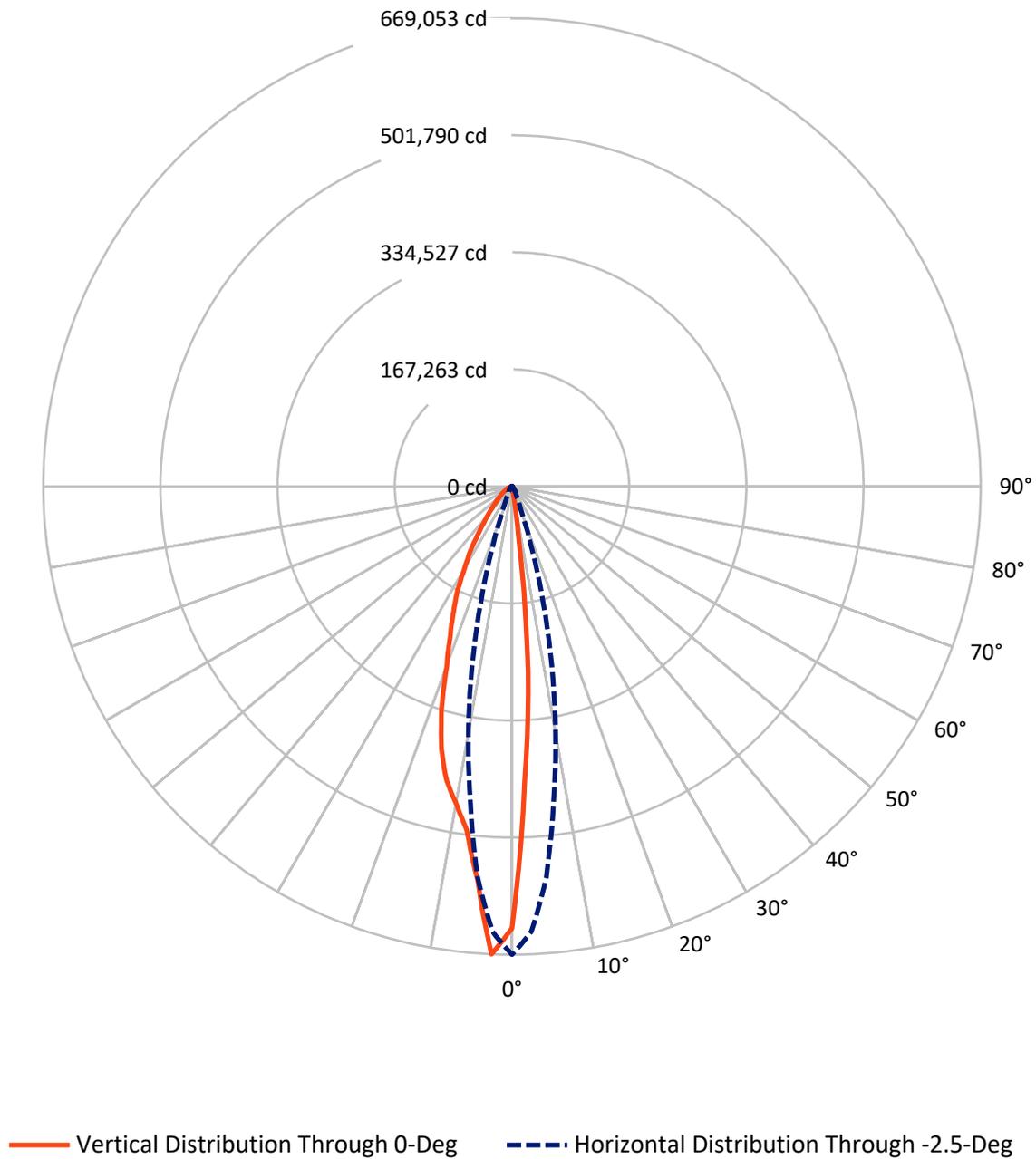
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### Lumen Table

90	1.9	5.0		6.1		5.2		4.0		5.2		6.1		5.0		1.9
80	1.9	1.0	1.2	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.2	1.0	1.9
70	1.9	1.1	1.3	1.4	1.3	1.0	0.6	0.2	0.2	0.6	1.0	1.3	1.4	1.3	1.1	1.9
60	1.9	1.1	1.4	1.5	1.4	1.2	0.7	0.3	0.3	0.7	1.2	1.4	1.5	1.4	1.1	1.9
50	1.9	1.1	1.4	1.6	1.6	1.4	1.0	0.4	0.4	1.0	1.4	1.6	1.6	1.4	1.1	1.9
40	1.9	1.2	1.5	1.8	2.0	2.1	1.5	0.5	0.5	1.5	2.1	2.0	1.8	1.5	1.2	2.0
30	2.0	1.3	1.9	2.7	3.8	6.0	6.5	8.3	8.3	6.5	6.0	3.8	2.7	1.9	1.3	2.0
20	2.0	1.6	4.5	15.1	49.2	196.8	1924.1	6409.9	6409.9	1924.1	196.8	49.2	15.1	4.5	1.6	2.3
10	2.3	3.0	18.0	64.1	188.6	617.1	5057.8	14458.2	14458.2	5057.8	617.1	188.6	64.1	18.0	3.0	2.3
0	2.3	3.0	18.0	64.1	188.6	617.1	5057.8	14458.2	14458.2	5057.8	617.1	188.6	64.1	18.0	3.0	2.3
-10	3.0	5.4	30.1	108.6	276.0	730.4	3417.3	9736.8	9736.8	3417.3	730.4	276.0	108.6	30.1	5.4	3.0
-20	3.0	7.0	33.3	110.9	296.9	726.5	2118.5	5077.2	5077.2	2118.5	726.5	296.9	110.9	33.3	7.0	3.0
-30	3.7	7.4	32.1	95.9	255.1	578.2	1280.4	2376.9	2376.9	1280.4	578.2	255.1	95.9	32.1	7.4	3.7
-40	3.7	6.8	27.3	76.7	177.5	370.6	692.3	998.9	998.9	692.3	370.6	177.5	76.7	27.3	6.8	3.7
-50	3.7	5.4	19.4	53.6	115.0	211.3	352.8	467.3	467.3	352.8	211.3	115.0	53.6	19.4	5.4	3.7
-60	3.7	4.0	10.5	28.5	60.3	105.6	161.5	200.6	200.6	161.5	105.6	60.3	28.5	10.5	4.0	3.7
-70	3.7	4.0	10.5	28.5	60.3	105.6	161.5	200.6	200.6	161.5	105.6	60.3	28.5	10.5	4.0	3.7
-80	3.3	15.9		47.5		121.8		176.7		121.8		47.5		15.9		3.3
-90	3.3	15.9		47.5		121.8		176.7		121.8		47.5		15.9		3.3

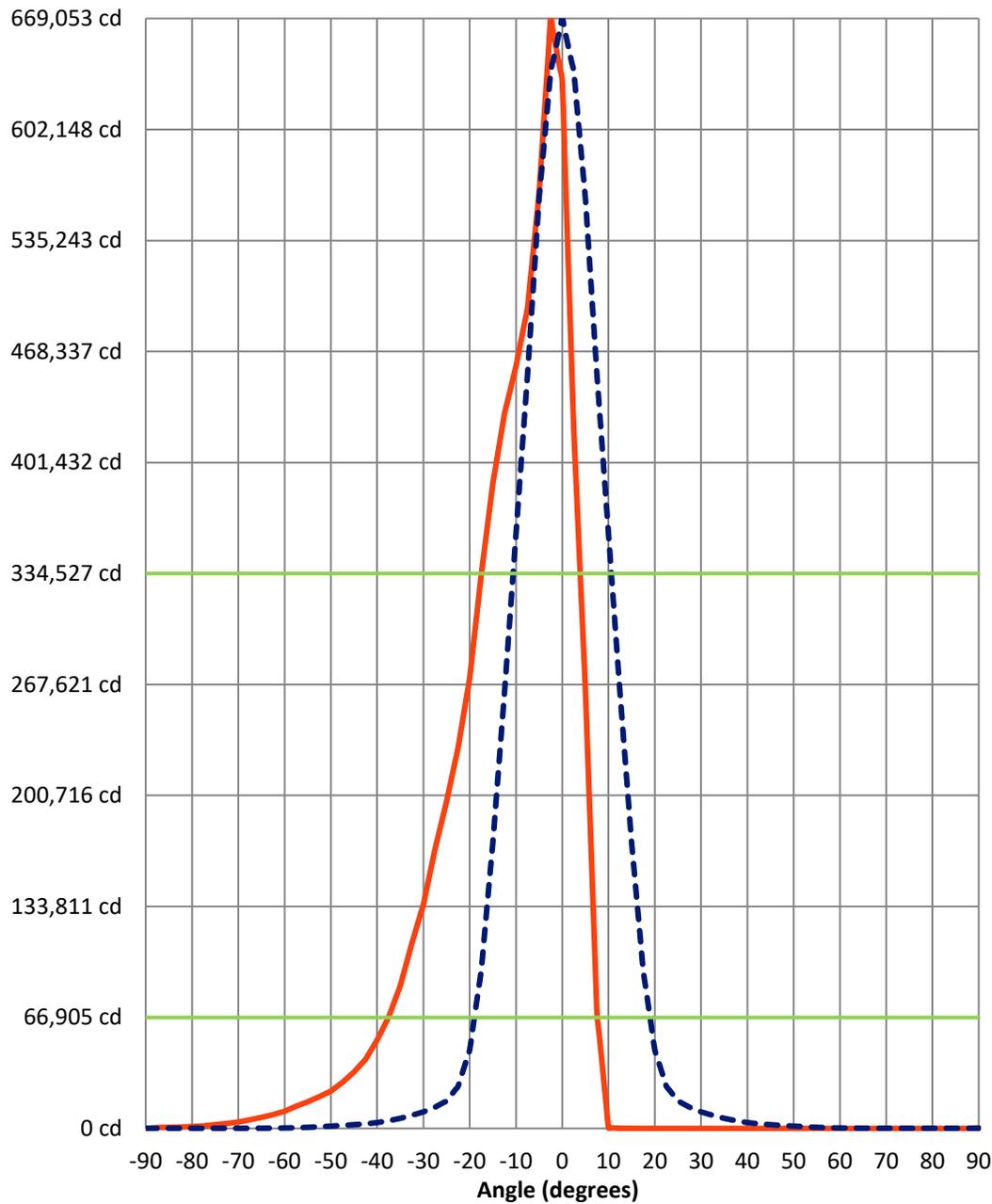
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CATALOG NUMBER: EPH-LS12-1000R-40-80-2S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.2°  
 V Angle: 21.4°  
 Lumens: 45572.9  
 Efficiency: 37.5%

**Field:**  
 H Angle: 38°  
 V Angle: 45.2°  
 Lumens: 95947.3  
 Efficiency: 78.9%

**Spill:**  
 Lumens: 25734.2  
 Efficiency: 21.1%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -2.5-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°	93.1	98.7	104.4	119.4	134.5	149.5	164.6	177.1	189.5	202.0	214.5
87.5°	93.1	92.7	92.2	90.8	89.4	88.0	86.6	84.7	82.8	80.9	79.0
85°	93.1	92.7	92.2	90.8	89.4	88.0	86.6	84.7	82.9	81.0	79.1
82.5°	93.1	92.7	92.2	90.8	89.4	88.1	86.7	84.8	82.9	81.0	79.1
80°	93.1	92.7	92.2	90.9	89.5	88.1	86.7	84.9	83.0	81.1	79.3
77.5°	93.1	92.7	92.2	90.9	89.5	88.2	86.8	85.0	83.1	81.3	79.4
75°	93.1	92.7	92.2	90.9	89.6	88.2	86.9	85.1	83.3	81.4	79.6
72.5°	93.1	92.7	92.2	91.0	89.7	88.3	87.0	85.3	83.5	81.6	79.8
70°	93.1	92.7	92.3	91.1	89.7	88.4	87.1	85.5	83.6	81.8	80.0
67.5°	93.1	92.7	92.3	91.1	89.8	88.5	87.2	85.7	83.9	82.1	80.3
65°	93.1	92.7	92.3	91.2	89.9	88.6	87.4	85.9	84.1	82.4	80.6
62.5°	93.1	92.7	92.3	91.3	90.0	88.8	87.5	86.1	84.4	82.7	80.9
60°	93.1	92.7	92.3	91.4	90.1	88.9	87.7	86.4	84.7	83.0	81.3
57.5°	93.1	92.7	92.4	91.5	90.3	89.1	87.9	86.7	85.0	83.4	81.7
55°	93.1	92.7	92.4	91.6	90.4	89.2	88.1	86.9	85.4	83.8	82.1
52.5°	93.1	92.7	92.4	91.7	90.5	89.4	88.3	87.2	85.8	84.2	82.6
50°	93.1	92.8	92.5	91.8	90.7	89.6	88.5	87.5	86.2	84.6	83.2
47.5°	93.1	92.8	92.5	91.9	90.9	89.8	88.8	87.8	86.6	85.1	83.9
45°	93.1	92.8	92.6	92.0	91.0	90.0	89.1	88.2	87.0	85.8	84.7
42.5°	93.1	92.8	92.6	92.2	91.2	90.2	89.4	88.6	87.5	86.6	85.4
40°	93.1	92.8	92.7	92.3	91.4	90.5	89.8	89.0	88.0	87.4	86.1
37.5°	93.1	92.8	92.8	92.4	91.6	90.7	90.2	89.5	88.7	88.1	86.8
35°	93.1	92.8	92.9	92.6	91.8	91.0	90.6	90.0	89.5	88.8	87.5
32.5°	93.1	92.9	92.9	92.8	92.0	91.3	91.1	90.6	90.2	89.6	88.5
30°	93.1	92.9	93.0	92.9	92.2	91.7	91.5	91.2	90.9	90.4	89.6
27.5°	93.1	92.9	93.1	93.2	92.6	92.1	92.0	91.8	91.7	91.4	90.8
25°	93.1	92.9	93.2	93.4	93.0	92.5	92.5	92.5	92.5	92.4	92.2
22.5°	93.1	92.9	93.3	93.6	93.5	93.0	93.0	93.1	93.3	93.6	93.7
20°	93.1	92.9	93.4	93.9	94.0	93.9	93.6	93.7	94.2	94.9	95.3
17.5°	93.1	93.0	93.5	94.1	94.6	94.8	94.7	94.4	95.1	96.2	96.9
15°	93.1	93.0	93.6	94.4	95.2	95.7	96.3	95.7	96.0	97.5	98.5
12.5°	93.1	93.0	93.7	94.7	95.8	96.7	97.9	98.0	98.2	98.9	100.1
10°	93.1	93.0	93.7	94.9	96.4	97.7	99.5	100.4	101.5	102.8	103.5
7.5°	93.1	93.0	93.8	95.2	97.0	98.7	101.2	102.8	104.8	107.0	110.8
5°	93.1	93.1	93.9	95.5	97.6	99.7	102.9	105.3	108.2	111.2	118.4
2.5°	93.1	93.1	94.0	95.7	98.2	100.6	104.6	107.7	111.5	115.4	126.0
0°	93.1	93.1	94.1	96.0	98.8	101.6	106.3	110.1	114.8	119.5	133.6
-2.5°	93.1	93.4	94.8	97.3	100.8	104.8	111.6	117.5	125.5	138.5	168.8
-5°	93.1	93.7	95.6	98.6	102.7	108.0	116.7	124.7	136.0	157.0	202.8
-7.5°	93.1	94.0	96.3	99.8	104.6	111.1	121.7	131.8	146.2	174.5	234.6
-10°	93.1	94.3	97.0	101.0	106.5	114.0	126.4	138.6	155.9	190.8	263.4
-12.5°	93.1	94.6	97.7	102.2	108.3	116.9	130.8	145.1	165.0	208.1	308.5
-15°	93.1	94.9	98.4	103.4	110.0	119.5	135.0	151.3	179.8	242.9	357.7
-17.5°	93.1	95.2	99.0	104.5	111.7	122.0	138.7	161.6	201.0	273.4	400.0
-20°	93.1	95.5	99.7	105.5	113.2	124.3	143.8	174.4	219.7	299.2	434.4



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	93.1	95.8	100.3	106.6	114.7	126.4	151.4	186.0	235.8	319.6	460.0
-25°	93.1	96.0	100.8	107.5	116.1	130.6	158.3	196.0	249.0	334.2	476.3
-27.5°	93.1	96.3	101.4	108.4	117.3	135.6	164.4	204.4	258.9	345.3	492.9
-30°	93.1	96.5	101.9	109.2	118.7	140.1	169.6	211.1	267.7	356.7	501.4
-32.5°	93.1	96.8	102.4	110.0	121.9	144.1	173.9	216.9	275.3	363.4	500.8
-35°	93.1	97.0	102.9	110.7	124.8	147.7	178.3	221.6	280.3	365.1	491.0
-37.5°	93.1	97.2	103.3	111.3	127.4	151.0	182.3	225.1	282.6	361.7	496.7
-40°	93.1	97.4	103.7	111.8	129.7	154.0	185.6	227.1	282.2	359.7	498.5
-42.5°	93.1	97.6	104.0	112.6	131.8	156.6	188.2	227.8	281.9	360.8	489.7
-45°	93.1	97.8	104.3	114.0	133.7	158.7	190.0	228.3	281.0	356.2	472.3
-47.5°	93.1	98.0	104.6	115.2	135.2	160.3	191.1	229.4	278.3	345.2	457.8
-50°	93.1	98.1	104.8	116.4	136.5	161.4	192.1	229.5	273.2	337.9	435.1
-52.5°	93.1	98.3	105.0	117.4	137.5	162.0	192.5	228.6	268.9	326.6	406.2
-55°	93.1	98.4	105.1	118.3	138.1	162.5	192.1	226.8	264.3	311.4	386.1
-57.5°	93.1	98.5	105.2	119.1	138.5	162.6	191.1	225.0	258.0	300.5	361.4
-60°	93.1	98.6	105.3	119.8	138.7	162.3	189.6	221.4	250.8	289.6	337.2
-62.5°	93.1	98.7	105.4	120.3	139.1	161.6	188.1	216.9	244.8	276.8	320.4
-65°	93.1	98.8	105.5	120.7	139.4	160.4	186.0	212.0	238.0	267.0	301.3
-67.5°	93.1	98.8	105.5	120.9	139.5	159.6	183.5	207.8	230.4	257.5	286.9
-70°	93.1	98.9	105.5	121.0	139.4	159.1	180.4	203.2	224.9	247.1	274.2
-72.5°	93.1	98.9	105.5	121.2	139.1	158.3	178.8	198.2	219.1	240.2	261.7
-75°	93.1	98.9	105.4	121.2	138.6	157.3	177.1	194.9	212.9	233.0	253.5
-77.5°	93.1	98.9	105.3	121.2	138.2	156.1	175.1	192.0	208.8	226.2	244.8
-80°	93.1	98.9	105.2	121.0	137.8	155.0	172.9	188.8	204.7	221.1	237.9
-82.5°	93.1	98.9	105.0	120.8	137.1	153.9	171.1	185.6	200.4	215.7	231.4
-85°	93.1	98.9	104.8	120.4	136.4	152.6	169.1	183.0	196.9	211.0	225.2
-87.5°	93.1	98.8	104.6	120.0	135.5	151.2	166.9	180.1	193.3	206.6	220.0
-90°	93.1	92.7	92.2	90.8	89.4	88.0	86.6	84.7	82.8	80.9	79.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	221.6	228.6	235.7	242.7	247.4	252.1	256.8	261.5	267.9	274.2	280.6
87.5°	76.6	74.1	71.6	69.1	66.3	63.4	60.5	57.7	54.6	51.4	48.3
85°	76.5	73.9	71.4	68.9	66.2	63.4	60.7	57.9	54.8	51.7	48.5
82.5°	76.7	74.3	71.9	69.6	66.9	64.2	61.4	58.5	55.2	51.8	48.4
80°	77.0	74.7	72.2	69.7	66.9	63.9	61.0	58.1	54.7	51.4	48.1
77.5°	77.1	74.7	72.1	69.5	66.6	63.9	61.1	58.2	55.0	51.7	48.4
75°	77.3	74.7	72.3	70.0	67.4	64.6	61.6	58.6	55.4	52.1	48.8
72.5°	77.6	75.2	72.9	70.8	68.0	64.9	61.9	58.9	55.9	52.6	49.2
70°	78.0	75.7	73.3	70.8	68.0	65.1	62.4	59.5	56.4	53.1	49.8
67.5°	78.4	76.0	73.5	70.9	68.7	66.0	63.2	60.2	57.1	53.8	50.4
65°	78.7	76.3	74.0	71.8	69.7	66.9	63.9	60.8	57.8	54.5	51.1
62.5°	79.2	76.9	74.7	72.6	70.3	67.6	64.4	61.4	58.5	55.3	51.9
60°	79.6	77.5	75.3	73.1	70.8	68.0	64.9	62.0	59.2	56.2	52.8
57.5°	80.0	78.1	75.9	73.7	71.1	68.4	65.7	62.9	60.1	57.2	53.8
55°	80.5	78.7	76.6	74.2	71.6	69.2	66.6	63.8	61.0	58.2	54.9
52.5°	81.1	79.3	77.2	74.8	72.5	70.1	67.6	64.8	62.0	59.2	56.1
50°	81.7	80.0	78.0	75.7	73.5	71.2	68.6	65.9	63.3	60.5	57.5
47.5°	82.4	80.7	78.8	76.7	74.8	72.4	69.8	67.4	64.9	61.8	58.7
45°	83.1	81.4	79.6	78.1	76.1	73.6	71.3	69.3	66.0	63.0	60.2
42.5°	83.8	82.1	80.8	79.6	77.3	75.0	72.9	70.1	67.2	64.8	61.8
40°	84.5	83.0	82.0	80.6	78.6	76.5	74.1	71.3	69.3	66.6	63.6
37.5°	85.3	84.1	83.2	81.6	80.0	77.8	75.3	73.2	71.1	68.4	65.4
35°	86.1	85.3	84.1	82.7	81.2	79.2	77.0	75.0	72.9	70.3	67.4
32.5°	87.1	86.5	85.1	83.9	82.4	80.7	78.7	77.0	74.8	72.3	69.6
30°	88.4	87.5	86.2	85.3	83.8	82.2	80.7	79.1	76.8	74.4	72.2
27.5°	90.0	88.5	87.6	86.7	85.2	83.9	82.8	81.1	78.9	76.8	75.3
25°	91.7	90.7	89.0	88.0	86.9	85.9	84.9	83.3	81.2	80.0	78.7
22.5°	93.5	93.2	92.2	89.4	88.7	88.0	87.0	85.8	84.7	83.7	82.5
20°	95.7	96.1	95.7	93.9	91.5	90.1	89.3	88.9	89.3	89.4	88.5
17.5°	98.0	99.2	99.6	99.7	100.1	97.4	91.9	92.5	94.5	96.4	101.0
15°	100.5	102.5	103.7	106.4	110.6	114.0	114.3	105.9	100.6	105.8	118.3
12.5°	103.2	106.0	108.2	113.9	122.6	134.1	147.3	158.5	160.8	144.2	142.6
10°	105.9	109.5	112.8	122.1	135.8	156.9	185.6	220.7	260.3	294.4	317.6
7.5°	117.5	122.8	124.0	130.5	149.8	181.4	227.4	289.6	373.1	463.4	573.0
5°	130.9	147.7	171.8	208.2	267.2	317.8	351.6	366.8	493.7	643.8	851.0
2.5°	144.6	173.2	221.4	299.3	455.7	634.3	826.2	1032.4	1266.5	1557.0	1884.0
0°	158.0	198.5	270.9	390.4	645.4	953.0	1304.8	1703.7	2169.4	2817.6	3563.6
-2.5°	222.8	300.5	434.5	681.1	1052.6	1401.7	1820.9	2267.8	2771.9	3545.1	4679.0
-5°	285.1	398.9	591.2	956.9	1440.5	1836.8	2317.1	2811.2	3396.5	4315.3	5698.4
-7.5°	343.0	491.0	736.3	1196.4	1755.2	2238.2	2830.9	3494.9	4222.3	5223.1	6629.5
-10°	398.6	588.4	867.0	1341.6	1963.7	2586.6	3303.9	4116.5	4985.2	6055.0	7469.0
-12.5°	472.9	688.8	985.1	1463.8	2130.8	2876.4	3711.0	4658.6	5671.7	6800.9	8188.8
-15°	538.5	777.4	1089.1	1560.3	2250.1	3095.4	4040.6	5107.1	6201.4	7263.0	8611.9
-17.5°	594.2	852.5	1177.5	1629.0	2315.9	3233.4	4235.2	5253.0	6455.9	7606.0	8986.3
-20°	638.8	912.6	1249.1	1668.1	2334.7	3235.6	4169.4	5230.7	6515.9	7857.1	9208.9



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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°	671.2	956.5	1307.0	1726.9	2352.7	3164.3	4066.5	5090.9	6398.5	7993.8	9463.6
-25°	695.8	990.2	1350.3	1781.1	2347.7	3074.3	3927.3	4851.0	6141.1	7933.1	9762.8
-27.5°	712.7	1007.1	1376.2	1807.6	2323.2	2987.4	3789.0	4661.5	5928.6	7656.6	9833.4
-30°	716.2	1015.2	1381.7	1810.0	2318.1	2937.0	3647.7	4565.5	5656.2	7257.6	9281.8
-32.5°	715.8	1009.3	1375.2	1798.8	2291.1	2867.2	3562.8	4468.7	5507.4	6707.6	8538.2
-35°	716.6	1005.8	1353.1	1763.1	2232.3	2806.0	3496.6	4309.7	5302.9	6390.9	7848.7
-37.5°	715.1	990.2	1312.0	1710.6	2168.4	2722.1	3374.3	4142.1	5045.6	6124.7	7350.9
-40°	701.3	962.7	1274.7	1645.2	2089.1	2610.8	3229.0	3939.0	4756.4	5774.0	6967.8
-42.5°	677.3	933.4	1230.8	1560.8	1996.1	2486.9	3038.3	3708.0	4473.7	5363.1	6424.9
-45°	654.1	890.0	1174.3	1499.6	1882.1	2339.8	2859.8	3436.7	4169.8	4952.8	5864.8
-47.5°	617.9	835.9	1107.4	1417.7	1768.4	2181.5	2653.9	3216.9	3846.8	4567.7	5319.3
-50°	574.3	776.6	1021.8	1316.1	1649.5	2017.0	2444.8	2968.1	3552.6	4182.2	4870.4
-52.5°	535.4	702.4	929.9	1193.6	1506.7	1854.1	2242.7	2704.4	3233.4	3806.4	4427.6
-55°	487.1	636.6	826.1	1065.1	1340.1	1663.3	2034.5	2442.8	2888.6	3410.0	3959.3
-57.5°	446.5	565.9	728.1	928.2	1172.5	1448.7	1794.1	2167.1	2570.4	3004.9	3470.7
-60°	409.5	500.7	630.5	799.6	997.8	1249.3	1535.9	1865.7	2226.0	2606.4	3013.1
-62.5°	371.5	444.7	541.8	670.8	840.4	1043.5	1292.9	1568.8	1863.5	2192.5	2541.8
-65°	346.4	390.1	462.5	562.0	679.5	855.6	1056.4	1276.5	1531.5	1791.7	2065.5
-67.5°	318.2	355.7	399.0	455.9	555.2	684.5	823.0	1008.1	1209.3	1412.8	1625.3
-70°	299.5	321.3	354.9	396.0	449.2	535.8	654.7	781.0	916.2	1074.1	1255.8
-72.5°	282.4	301.8	322.0	342.8	386.3	447.3	517.0	594.8	697.9	821.1	949.2
-75°	268.9	282.2	299.5	317.8	343.7	376.7	415.4	474.4	546.6	626.9	709.9
-77.5°	258.4	270.4	282.7	295.0	313.5	339.3	367.7	398.6	441.3	490.7	542.9
-80°	248.7	258.4	269.3	280.4	295.0	311.7	329.7	349.0	378.2	413.3	452.8
-82.5°	241.1	250.3	259.4	268.3	278.6	289.6	301.5	315.4	338.2	363.0	388.9
-85°	233.7	242.0	250.5	259.0	267.1	275.6	284.5	293.6	308.9	325.3	342.2
-87.5°	227.7	235.4	243.0	250.7	256.9	263.2	269.6	276.1	286.3	296.8	307.5
-90°	76.6	74.3	71.9	69.6	66.8	63.9	61.1	58.3	55.0	51.7	48.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	286.9	296.8	306.7	316.5	326.4	339.8	353.3	366.7	380.1	395.2	410.2
87.5°	45.2	41.9	38.6	35.3	32.0	28.7	25.4	22.1	18.8	15.8	12.7
85°	45.3	42.0	38.7	35.4	32.1	28.8	25.5	22.2	18.9	15.8	12.7
82.5°	45.0	41.7	38.3	34.9	31.5	28.3	25.2	22.1	19.0	15.7	12.3
80°	44.7	41.4	38.1	34.8	31.4	28.3	25.2	22.2	19.1	15.7	12.4
77.5°	45.1	41.7	38.4	35.0	31.7	28.5	25.4	22.3	19.2	15.9	12.5
75°	45.4	42.1	38.7	35.4	32.0	28.7	25.4	22.1	18.7	15.5	12.2
72.5°	45.9	42.5	39.2	35.8	32.4	29.1	25.8	22.6	19.4	16.1	12.8
70°	46.4	43.1	39.7	36.3	32.8	29.5	26.2	22.8	19.3	15.9	12.6
67.5°	47.0	43.7	40.2	36.8	33.4	29.9	26.6	23.2	20.0	16.6	13.2
65°	47.8	44.3	40.9	37.4	33.9	30.5	27.1	23.6	20.1	16.6	13.1
62.5°	48.5	45.1	41.6	38.1	34.6	31.0	27.5	23.9	20.3	16.7	13.3
60°	49.4	46.0	42.5	38.9	35.4	31.7	28.1	24.5	20.8	17.1	13.6
57.5°	50.4	46.9	43.4	39.8	36.2	32.5	28.8	25.1	21.3	17.6	14.0
55°	51.5	48.0	44.4	40.8	37.1	33.4	29.6	25.8	22.0	18.1	14.4
52.5°	52.7	49.2	45.6	41.9	38.2	34.4	30.5	26.6	22.7	18.7	14.9
50°	54.0	50.5	46.8	43.1	39.4	35.5	31.5	27.6	23.5	19.4	15.4
47.5°	55.5	51.9	48.2	44.5	40.7	36.7	32.7	28.6	24.4	20.2	16.0
45°	57.0	53.5	49.8	46.0	42.1	38.1	34.0	29.7	25.4	21.1	16.7
42.5°	58.7	55.2	51.5	47.7	43.7	39.6	35.4	31.0	26.6	22.0	17.4
40°	60.4	57.1	53.3	49.5	45.5	41.3	37.0	32.5	27.9	23.2	18.3
37.5°	62.3	59.0	55.7	51.9	47.7	43.2	38.9	34.3	29.4	24.5	19.4
35°	64.3	61.5	58.5	54.4	50.2	46.1	41.6	36.6	31.1	26.4	21.3
32.5°	67.0	64.3	61.0	57.4	53.5	49.6	44.7	41.0	36.0	31.3	26.3
30°	70.0	67.2	65.2	61.7	58.1	55.0	52.2	49.3	45.8	40.8	33.9
27.5°	73.2	72.5	71.3	67.1	64.8	62.9	62.4	60.4	55.0	49.1	37.9
25°	77.5	79.1	76.1	73.8	73.0	73.8	71.8	68.1	57.0	45.4	32.6
22.5°	82.7	82.6	81.6	81.7	83.7	84.1	78.5	68.3	50.4	34.4	24.2
20°	87.0	87.0	89.6	95.7	97.7	98.9	86.3	64.2	43.3	36.5	32.2
17.5°	101.3	94.8	106.5	123.1	127.4	111.2	92.0	64.8	52.7	51.0	47.7
15°	128.3	137.8	150.7	159.6	163.0	142.3	105.7	94.9	89.0	93.5	94.4
12.5°	169.7	207.9	259.1	292.5	216.3	186.3	198.0	179.5	180.6	180.5	185.4
10°	333.8	300.0	423.1	586.2	781.5	897.6	416.1	748.5	1318.3	1485.8	821.0
7.5°	796.1	1086.8	1291.4	1351.1	1757.2	3431.1	5868.0	8483.6	15438.8	27231.0	35251.5
5°	1328.3	2072.0	2851.6	3735.0	4888.6	7533.5	14573.2	30885.8	52773.3	88054.1	128931.1
2.5°	2511.1	3623.0	4798.6	6407.4	8474.9	12107.6	23525.2	51856.6	91646.0	145163.7	198823.7
0°	4600.4	6450.8	8196.9	11093.5	14129.4	21482.4	40876.4	85940.1	148599.1	233708.5	317412.4
-2.5°	6104.4	7932.5	9992.0	12840.3	16598.4	25471.8	47332.2	95413.9	172264.3	262113.4	358227.7
-5°	7333.0	9349.2	11748.9	14789.2	18837.1	26874.8	48116.5	94256.4	168246.9	253131.9	342789.1
-7.5°	8335.0	10568.4	13263.5	16450.2	20661.4	28365.6	48049.1	90534.6	156073.3	237116.0	320516.7
-10°	9206.0	11525.5	14518.7	17974.0	22369.8	29256.9	43454.7	77908.4	138550.1	217029.7	294959.7
-12.5°	10089.3	12532.5	15489.7	19042.2	23344.7	30356.5	43746.0	70681.9	118515.0	185008.7	261356.0
-15°	10773.5	13383.4	16284.0	20085.3	25072.1	31678.8	41664.1	63528.3	101437.3	156480.5	222250.6
-17.5°	11106.1	13924.3	17185.5	21055.1	25893.0	32258.3	42516.7	58697.4	89127.8	133847.4	180863.2
-20°	11134.4	14229.3	17594.8	21531.1	26370.8	32384.6	40999.6	56712.4	80773.1	115473.7	153315.4



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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°	11381.2	14144.7	17534.6	21396.7	26241.4	31858.4	39989.8	54348.4	73494.8	101120.5	132236.1
-25°	11496.9	13774.2	17204.7	21192.5	25434.7	30940.7	39570.2	50779.4	68196.9	90437.5	116883.9
-27.5°	11579.0	13673.6	16557.7	20534.9	24668.3	29932.4	37403.8	46995.3	61947.7	79120.0	101356.4
-30°	11647.7	13521.2	16040.6	19199.7	23624.1	28604.9	34382.6	43325.1	54967.9	68797.1	86018.8
-32.5°	10960.8	13421.9	15448.3	18214.5	21804.3	26349.9	31674.1	39284.6	47933.2	59096.1	72247.4
-35°	10021.2	12510.5	15037.7	17389.7	20351.1	23969.1	28804.9	35012.1	41869.7	50663.4	60363.5
-37.5°	8943.9	11245.4	13747.5	16420.4	19016.8	22000.3	26056.7	30743.5	36088.8	42923.1	50097.7
-40°	8227.6	9725.7	12096.1	14566.6	17174.7	20198.7	23458.6	27023.9	31176.8	36127.0	41359.6
-42.5°	7663.2	8994.0	10425.1	12497.9	14887.6	17712.8	20677.1	23721.2	27112.0	30682.4	34211.7
-45°	6914.6	8245.2	9613.0	11012.7	12639.2	15064.5	17653.6	20355.7	23287.6	26209.8	28794.6
-47.5°	6273.9	7375.1	8632.6	9947.9	11406.7	13045.8	14846.0	16953.4	19483.0	21997.8	24017.4
-50°	5659.4	6554.0	7625.6	8776.5	10030.0	11378.3	12793.6	14625.3	16556.5	18465.6	19836.0
-52.5°	5102.9	5866.2	6678.7	7596.0	8678.0	9775.2	10923.1	12505.7	14131.9	15763.2	16780.8
-55°	4553.0	5200.6	5889.4	6670.9	7503.1	8367.8	9346.3	10575.8	11856.7	13166.6	13999.3
-57.5°	3990.8	4535.0	5120.8	5787.4	6475.2	7178.8	7973.7	8871.5	9810.8	10747.1	11414.8
-60°	3441.5	3889.1	4403.9	4955.2	5517.2	6087.1	6760.2	7450.6	8137.7	8764.8	9205.2
-62.5°	2911.0	3300.1	3716.6	4164.6	4637.9	5130.4	5660.9	6206.1	6758.7	7241.4	7573.1
-65°	2363.8	2692.8	3036.1	3386.4	3742.4	4140.1	4575.8	5011.8	5443.8	5811.7	6093.9
-67.5°	1866.5	2118.6	2383.7	2655.1	2945.0	3252.9	3582.2	3911.5	4237.5	4512.1	4740.9
-70°	1437.3	1619.9	1804.5	2001.8	2225.1	2473.3	2740.4	2995.9	3239.6	3422.0	3566.2
-72.5°	1081.7	1221.4	1371.4	1532.4	1690.2	1873.9	2078.8	2284.3	2488.7	2634.7	2755.3
-75°	795.3	893.2	1011.2	1130.9	1251.6	1392.8	1545.4	1699.7	1854.3	1956.2	2039.2
-77.5°	606.9	682.6	761.0	840.0	919.2	1010.0	1104.9	1200.3	1295.5	1364.8	1427.2
-80°	494.3	543.0	594.5	647.4	701.4	763.2	826.8	890.7	954.6	1005.6	1054.2
-82.5°	415.8	448.1	481.9	516.6	552.1	594.6	637.9	681.4	725.0	761.1	796.3
-85°	359.7	381.1	403.2	425.5	448.1	477.4	507.2	537.1	567.2	592.6	617.6
-87.5°	318.4	333.2	348.1	363.1	378.3	397.7	417.2	436.8	456.3	475.0	493.5
-90°	45.2	41.9	38.6	35.3	32.0	28.7	25.4	22.1	18.8	15.8	12.7



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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°	425.3	440.3	441.7	443.1	441.7	440.3	425.3	410.2	395.2	380.1	366.7
87.5°	9.7	6.6	4.3	1.9	4.3	6.6	9.7	12.7	15.8	18.8	22.1
85°	9.7	6.6	4.3	1.9	4.3	6.6	9.7	12.7	15.8	18.9	22.2
82.5°	9.0	5.7	3.3	0.9	3.3	5.7	9.0	12.3	15.7	19.0	22.1
80°	9.1	5.7	3.3	0.9	3.3	5.7	9.1	12.4	15.7	19.1	22.2
77.5°	9.1	5.8	3.3	0.9	3.3	5.8	9.1	12.5	15.9	19.2	22.3
75°	9.0	5.8	3.3	0.9	3.3	5.8	9.0	12.2	15.5	18.7	22.1
72.5°	9.4	5.9	4.3	2.8	4.3	5.9	9.4	12.8	16.1	19.4	22.6
70°	9.3	6.0	3.4	0.9	3.4	6.0	9.3	12.6	15.9	19.3	22.8
67.5°	9.7	6.1	3.4	0.9	3.4	6.1	9.7	13.2	16.6	20.0	23.2
65°	9.6	6.2	3.5	0.9	3.5	6.2	9.6	13.1	16.6	20.1	23.6
62.5°	9.8	6.4	3.5	0.9	3.5	6.4	9.8	13.3	16.7	20.3	23.9
60°	10.1	6.5	3.6	0.9	3.6	6.5	10.1	13.6	17.1	20.8	24.5
57.5°	10.4	6.7	3.7	0.9	3.7	6.7	10.4	14.0	17.6	21.3	25.1
55°	10.7	6.9	3.4	0.0	3.4	6.9	10.7	14.4	18.1	22.0	25.8
52.5°	11.0	7.2	3.9	0.9	3.9	7.2	11.0	14.9	18.7	22.7	26.6
50°	11.4	7.5	3.7	0.0	3.7	7.5	11.4	15.4	19.4	23.5	27.6
47.5°	11.9	7.8	3.8	0.0	3.8	7.8	11.9	16.0	20.2	24.4	28.6
45°	12.4	8.1	4.2	0.9	4.2	8.1	12.4	16.7	21.1	25.4	29.7
42.5°	13.0	8.5	4.1	0.0	4.1	8.5	13.0	17.4	22.0	26.6	31.0
40°	13.7	9.0	4.5	0.9	4.5	9.0	13.7	18.3	23.2	27.9	32.5
37.5°	14.5	9.5	4.8	0.9	4.8	9.5	14.5	19.4	24.5	29.4	34.3
35°	15.9	10.4	5.0	0.9	5.0	10.4	15.9	21.3	26.4	31.1	36.6
32.5°	20.1	13.4	6.2	0.9	6.2	13.4	20.1	26.3	31.3	36.0	41.0
30°	26.2	17.7	8.4	0.0	8.4	17.7	26.2	33.9	40.8	45.8	49.3
27.5°	28.0	19.1	10.8	0.0	10.8	19.1	28.0	37.9	49.1	55.0	60.4
25°	21.5	12.7	5.8	6.6	5.8	12.7	21.5	32.6	45.4	57.0	68.1
22.5°	21.0	16.7	9.3	13.2	9.3	16.7	21.0	24.2	34.4	50.4	68.3
20°	30.0	25.2	20.8	17.9	20.8	25.2	30.0	32.2	36.5	43.3	64.2
17.5°	50.8	47.3	42.0	34.8	42.0	47.3	50.8	47.7	51.0	52.7	64.8
15°	93.2	87.2	80.0	73.4	80.0	87.2	93.2	94.4	93.5	89.0	94.9
12.5°	167.8	159.3	149.4	135.5	149.4	159.3	167.8	185.4	180.5	180.6	179.5
10°	1455.2	1742.3	2499.6	418.6	2499.6	1742.3	1455.2	821.0	1485.8	1318.3	748.5
7.5°	46536.4	63350.3	69716.8	70352.1	69716.8	63350.3	46536.4	35251.5	27231.0	15438.8	8483.6
5°	169722.5	221645.8	256126.1	264780.2	256126.1	221645.8	169722.5	128931.1	88054.1	52773.3	30885.8
2.5°	265854.0	338832.9	399041.4	420903.1	399041.4	338832.9	265854.0	198823.7	145163.7	91646.0	51856.6
0°	407421.9	502112.6	591072.5	631403.3	591072.5	502112.6	407421.9	317412.4	233708.5	148599.1	85940.1
-2.5°	454593.9	560809.4	636771.6	669053.3	636771.6	560809.4	454593.9	358227.7	262113.4	172264.3	95413.9
-5°	427760.5	500581.9	546977.0	564110.2	546977.0	500581.9	427760.5	342789.1	253131.9	168246.9	94256.4
-7.5°	397060.9	451171.5	483695.6	494686.1	483695.6	451171.5	397060.9	320516.7	237116.0	156073.3	90534.6
-10°	365798.9	420850.6	448848.8	459490.1	448848.8	420850.6	365798.9	294959.7	217029.7	138550.1	77908.4
-12.5°	329914.6	384994.6	416540.5	430590.2	416540.5	384994.6	329914.6	261356.0	185008.7	118515.0	70681.9
-15°	284480.2	338954.6	374762.9	388774.4	374762.9	338954.6	284480.2	222250.6	156480.5	101437.3	63528.3
-17.5°	235541.0	285199.6	319090.7	333880.6	319090.7	285199.6	235541.0	180863.2	133847.4	89127.8	58697.4
-20°	195416.1	234576.9	262315.0	271560.3	262315.0	234576.9	195416.1	153315.4	115473.7	80773.1	56712.4



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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°	167170.1	197414.1	219792.6	229583.2	219792.6	197414.1	167170.1	132236.1	101120.5	73494.8	54348.4
-25°	145702.2	170384.2	190767.1	197032.7	190767.1	170384.2	145702.2	116883.9	90437.5	68196.9	50779.4
-27.5°	125072.3	144234.4	161078.9	168180.2	161078.9	144234.4	125072.3	101356.4	79120.0	61947.7	46995.3
-30°	103953.6	118257.4	131429.1	135029.4	131429.1	118257.4	103953.6	86018.8	68797.1	54967.9	43325.1
-32.5°	85151.3	96302.2	106525.3	111530.0	106525.3	96302.2	85151.3	72247.4	59096.1	47933.2	39284.6
-35°	69419.9	77284.3	83994.2	86040.8	83994.2	77284.3	69419.9	60363.5	50663.4	41869.7	35012.1
-37.5°	56108.2	61454.3	65800.8	67235.8	65800.8	61454.3	56108.2	50097.7	42923.1	36088.8	30743.5
-40°	45199.0	48642.3	51504.0	53358.5	51504.0	48642.3	45199.0	41359.6	36127.0	31176.8	27023.9
-42.5°	36712.1	39043.2	40823.9	41720.3	40823.9	39043.2	36712.1	34211.7	30682.4	27112.0	23721.2
-45°	30616.5	32320.8	33529.5	34042.6	33529.5	32320.8	30616.5	28794.6	26209.8	23287.6	20355.7
-47.5°	25391.0	26586.7	27392.1	27784.7	27392.1	26586.7	25391.0	24017.4	21997.8	19483.0	16953.4
-50°	20875.8	21842.5	22396.4	22535.2	22396.4	21842.5	20875.8	19836.0	18465.6	16556.5	14625.3
-52.5°	17558.1	18236.8	18763.5	19159.7	18763.5	18236.8	17558.1	16780.8	15763.2	14131.9	12505.7
-55°	14736.1	15395.9	15823.1	16077.7	15823.1	15395.9	14736.1	13999.3	13166.6	11856.7	10575.8
-57.5°	12047.5	12633.5	13069.9	13395.6	13069.9	12633.5	12047.5	11414.8	10747.1	9810.8	8871.5
-60°	9623.3	10011.6	10235.0	10366.3	10235.0	10011.6	9623.3	9205.2	8764.8	8137.7	7450.6
-62.5°	7875.0	8145.1	8264.4	8314.5	8264.4	8145.1	7875.0	7573.1	7241.4	6758.7	6206.1
-65°	6351.3	6582.5	6659.2	6677.6	6659.2	6582.5	6351.3	6093.9	5811.7	5443.8	5011.8
-67.5°	4955.5	5152.7	5211.2	5224.1	5211.2	5152.7	4955.5	4740.9	4512.1	4237.5	3911.5
-70°	3698.0	3817.1	3848.4	3856.2	3848.4	3817.1	3698.0	3566.2	3422.0	3239.6	2995.9
-72.5°	2869.3	2975.4	2988.5	2981.3	2988.5	2975.4	2869.3	2755.3	2634.7	2488.7	2284.3
-75°	2115.1	2183.7	2242.2	2293.6	2242.2	2183.7	2115.1	2039.2	1956.2	1854.3	1699.7
-77.5°	1486.5	1542.4	1537.1	1525.0	1537.1	1542.4	1486.5	1427.2	1364.8	1295.5	1200.3
-80°	1101.3	1146.8	1151.3	1152.4	1151.3	1146.8	1101.3	1054.2	1005.6	954.6	890.7
-82.5°	830.8	864.6	870.1	874.0	870.1	864.6	830.8	796.3	761.1	725.0	681.4
-85°	642.3	666.7	676.1	684.9	676.1	666.7	642.3	617.6	592.6	567.2	537.1
-87.5°	511.9	530.2	531.5	532.5	531.5	530.2	511.9	493.5	475.0	456.3	436.8
-90°	9.6	6.6	4.2	1.9	4.2	6.6	9.7	12.7	15.8	18.8	22.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	353.3	339.8	326.4	316.5	306.7	296.8	286.9	280.6	274.2	267.9	261.5
87.5°	25.4	28.7	32.0	35.3	38.6	41.9	45.2	48.3	51.4	54.6	57.7
85°	25.5	28.8	32.1	35.4	38.7	42.0	45.3	48.5	51.7	54.8	57.9
82.5°	25.2	28.3	31.5	34.9	38.3	41.7	45.0	48.4	51.8	55.2	58.5
80°	25.2	28.3	31.4	34.8	38.1	41.4	44.7	48.1	51.4	54.7	58.1
77.5°	25.4	28.5	31.7	35.0	38.4	41.7	45.1	48.4	51.7	55.0	58.2
75°	25.4	28.7	32.0	35.4	38.7	42.1	45.4	48.8	52.1	55.4	58.6
72.5°	25.8	29.1	32.4	35.8	39.2	42.5	45.9	49.2	52.6	55.9	58.9
70°	26.2	29.5	32.8	36.3	39.7	43.1	46.4	49.8	53.1	56.4	59.5
67.5°	26.6	29.9	33.4	36.8	40.2	43.7	47.0	50.4	53.8	57.1	60.2
65°	27.1	30.5	33.9	37.4	40.9	44.3	47.8	51.1	54.5	57.8	60.8
62.5°	27.5	31.0	34.6	38.1	41.6	45.1	48.5	51.9	55.3	58.5	61.4
60°	28.1	31.7	35.4	38.9	42.5	46.0	49.4	52.8	56.2	59.2	62.0
57.5°	28.8	32.5	36.2	39.8	43.4	46.9	50.4	53.8	57.2	60.1	62.9
55°	29.6	33.4	37.1	40.8	44.4	48.0	51.5	54.9	58.2	61.0	63.8
52.5°	30.5	34.4	38.2	41.9	45.6	49.2	52.7	56.1	59.2	62.0	64.8
50°	31.5	35.5	39.4	43.1	46.8	50.5	54.0	57.5	60.5	63.3	65.9
47.5°	32.7	36.7	40.7	44.5	48.2	51.9	55.5	58.7	61.8	64.9	67.4
45°	34.0	38.1	42.1	46.0	49.8	53.5	57.0	60.2	63.0	66.0	69.3
42.5°	35.4	39.6	43.7	47.7	51.5	55.2	58.7	61.8	64.8	67.2	70.1
40°	37.0	41.3	45.5	49.5	53.3	57.1	60.4	63.6	66.6	69.3	71.3
37.5°	38.9	43.2	47.7	51.9	55.7	59.0	62.3	65.4	68.4	71.1	73.2
35°	41.6	46.1	50.2	54.4	58.5	61.5	64.3	67.4	70.3	72.9	75.0
32.5°	44.7	49.6	53.5	57.4	61.0	64.3	67.0	69.6	72.3	74.8	77.0
30°	52.2	55.0	58.1	61.7	65.2	67.2	70.0	72.2	74.4	76.8	79.1
27.5°	62.4	62.9	64.8	67.1	71.3	72.5	73.2	75.3	76.8	78.9	81.1
25°	71.8	73.8	73.0	73.8	76.1	79.1	77.5	78.7	80.0	81.2	83.3
22.5°	78.5	84.1	83.7	81.7	81.6	82.6	82.7	82.5	83.7	84.7	85.8
20°	86.3	98.9	97.7	95.7	89.6	87.0	87.0	88.5	89.4	89.3	88.9
17.5°	92.0	111.2	127.4	123.1	106.5	94.8	101.3	101.0	96.4	94.5	92.5
15°	105.7	142.3	163.0	159.6	150.7	137.8	128.3	118.3	105.8	100.6	105.9
12.5°	198.0	186.3	216.3	292.5	259.1	207.9	169.7	142.6	144.2	160.8	158.5
10°	416.1	897.6	781.5	586.2	423.1	300.0	333.8	317.6	294.4	260.3	220.7
7.5°	5868.0	3431.1	1757.2	1351.1	1291.4	1086.8	796.1	573.0	463.4	373.1	289.6
5°	14573.2	7533.5	4888.6	3735.0	2851.6	2072.0	1328.3	851.0	643.8	493.7	366.8
2.5°	23525.2	12107.6	8474.9	6407.4	4798.6	3623.0	2511.1	1884.0	1557.0	1266.5	1032.4
0°	40876.4	21482.4	14129.4	11093.5	8196.9	6450.8	4600.4	3563.6	2817.6	2169.4	1703.7
-2.5°	47332.2	25471.8	16598.4	12840.3	9992.0	7932.5	6104.4	4679.0	3545.1	2771.9	2267.8
-5°	48116.5	26874.8	18837.1	14789.2	11748.9	9349.2	7333.0	5698.4	4315.3	3396.5	2811.2
-7.5°	48049.1	28365.6	20661.4	16450.2	13263.5	10568.4	8335.0	6629.5	5223.1	4222.3	3494.9
-10°	43454.7	29256.9	22369.8	17974.0	14518.7	11525.5	9206.0	7469.0	6055.0	4985.2	4116.5
-12.5°	43746.0	30356.5	23344.7	19042.2	15489.7	12532.5	10089.3	8188.8	6800.9	5671.7	4658.6
-15°	41664.1	31678.8	25072.1	20085.3	16284.0	13383.4	10773.5	8611.9	7263.0	6201.4	5107.1
-17.5°	42516.7	32258.3	25893.0	21055.1	17185.5	13924.3	11106.1	8986.3	7606.0	6455.9	5253.0
-20°	40999.6	32384.6	26370.8	21531.1	17594.8	14229.3	11134.4	9208.9	7857.1	6515.9	5230.7



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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°	39989.8	31858.4	26241.4	21396.7	17534.6	14144.7	11381.2	9463.6	7993.8	6398.5	5090.9
-25°	39570.2	30940.7	25434.7	21192.5	17204.7	13774.2	11496.9	9762.8	7933.1	6141.1	4851.0
-27.5°	37403.8	29932.4	24668.3	20534.9	16557.7	13673.6	11579.0	9833.4	7656.6	5928.6	4661.5
-30°	34382.6	28604.9	23624.1	19199.7	16040.6	13521.2	11647.7	9281.8	7257.6	5656.2	4565.5
-32.5°	31674.1	26349.9	21804.3	18214.5	15448.3	13421.9	10960.8	8538.2	6707.6	5507.4	4468.7
-35°	28804.9	23969.1	20351.1	17389.7	15037.7	12510.5	10021.2	7848.7	6390.9	5302.9	4309.7
-37.5°	26056.7	22000.3	19016.8	16420.4	13747.5	11245.4	8943.9	7350.9	6124.7	5045.6	4142.1
-40°	23458.6	20198.7	17174.7	14566.6	12096.1	9725.7	8227.6	6967.8	5774.0	4756.4	3939.0
-42.5°	20677.1	17712.8	14887.6	12497.9	10425.1	8994.0	7663.2	6424.9	5363.1	4473.7	3708.0
-45°	17653.6	15064.5	12639.2	11012.7	9613.0	8245.2	6914.6	5864.8	4952.8	4169.8	3436.7
-47.5°	14846.0	13045.8	11406.7	9947.9	8632.6	7375.1	6273.9	5319.3	4567.7	3846.8	3216.9
-50°	12793.6	11378.3	10030.0	8776.5	7625.6	6554.0	5659.4	4870.4	4182.2	3552.6	2968.1
-52.5°	10923.1	9775.2	8678.0	7596.0	6678.7	5866.2	5102.9	4427.6	3806.4	3233.4	2704.4
-55°	9346.3	8367.8	7503.1	6670.9	5889.4	5200.6	4553.0	3959.3	3410.0	2888.6	2442.8
-57.5°	7973.7	7178.8	6475.2	5787.4	5120.8	4535.0	3990.8	3470.7	3004.9	2570.4	2167.1
-60°	6760.2	6087.1	5517.2	4955.2	4403.9	3889.1	3441.5	3013.1	2606.4	2226.0	1865.7
-62.5°	5660.9	5130.4	4637.9	4164.6	3716.6	3300.1	2911.0	2541.8	2192.5	1863.5	1568.8
-65°	4575.8	4140.1	3742.4	3386.4	3036.1	2692.8	2363.8	2065.5	1791.7	1531.5	1276.5
-67.5°	3582.2	3252.9	2945.0	2655.1	2383.7	2118.6	1866.5	1625.3	1412.8	1209.3	1008.1
-70°	2740.4	2473.3	2225.1	2001.8	1804.5	1619.9	1437.3	1255.8	1074.1	916.2	781.0
-72.5°	2078.8	1873.9	1690.2	1532.4	1371.4	1221.4	1081.7	949.2	821.1	697.9	594.8
-75°	1545.4	1392.8	1251.6	1130.9	1011.2	893.2	795.3	709.9	626.9	546.6	474.4
-77.5°	1104.9	1010.0	919.2	840.0	761.0	682.6	606.9	542.9	490.7	441.3	398.6
-80°	826.8	763.2	701.4	647.4	594.5	543.0	494.3	452.8	413.3	378.2	349.0
-82.5°	637.9	594.6	552.1	516.6	481.9	448.1	415.8	388.9	363.0	338.2	315.4
-85°	507.2	477.4	448.1	425.5	403.2	381.1	359.7	342.2	325.3	308.9	293.6
-87.5°	417.2	397.7	378.3	363.1	348.1	333.2	318.4	307.5	296.8	286.3	276.1
-90°	25.4	28.7	32.0	35.3	38.6	41.9	45.2	48.5	51.7	55.0	58.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	256.8	252.1	247.4	242.7	235.7	228.6	221.6	214.5	202.0	189.5	177.1
87.5°	60.5	63.4	66.3	69.1	71.6	74.1	76.6	79.0	80.9	82.8	84.7
85°	60.7	63.4	66.2	68.9	71.4	73.9	76.5	79.1	81.0	82.9	84.7
82.5°	61.4	64.2	66.9	69.6	71.9	74.3	76.7	79.1	81.0	82.9	84.8
80°	61.0	63.9	66.9	69.7	72.2	74.7	77.0	79.3	81.1	83.0	84.9
77.5°	61.1	63.9	66.6	69.5	72.1	74.7	77.1	79.4	81.3	83.1	85.0
75°	61.6	64.6	67.4	70.0	72.3	74.7	77.3	79.6	81.4	83.3	85.1
72.5°	61.9	64.9	68.0	70.8	72.9	75.2	77.6	79.8	81.6	83.5	85.3
70°	62.4	65.1	68.0	70.8	73.3	75.7	78.0	80.0	81.8	83.6	85.5
67.5°	63.2	66.0	68.7	70.9	73.5	76.0	78.4	80.3	82.1	83.9	85.7
65°	63.9	66.9	69.7	71.8	74.0	76.3	78.7	80.6	82.4	84.1	85.9
62.5°	64.4	67.6	70.3	72.6	74.7	76.9	79.2	80.9	82.7	84.4	86.1
60°	64.9	68.0	70.8	73.1	75.3	77.5	79.6	81.3	83.0	84.7	86.4
57.5°	65.7	68.4	71.1	73.7	75.9	78.1	80.0	81.7	83.4	85.0	86.7
55°	66.6	69.2	71.6	74.2	76.6	78.7	80.5	82.1	83.8	85.4	86.9
52.5°	67.6	70.1	72.5	74.8	77.2	79.3	81.1	82.6	84.2	85.8	87.2
50°	68.6	71.2	73.5	75.7	78.0	80.0	81.7	83.2	84.6	86.2	87.5
47.5°	69.8	72.4	74.8	76.7	78.8	80.7	82.4	83.9	85.1	86.6	87.8
45°	71.3	73.6	76.1	78.1	79.6	81.4	83.1	84.7	85.8	87.0	88.2
42.5°	72.9	75.0	77.3	79.6	80.8	82.1	83.8	85.4	86.6	87.5	88.6
40°	74.1	76.5	78.6	80.6	82.0	83.0	84.5	86.1	87.4	88.0	89.0
37.5°	75.3	77.8	80.0	81.6	83.2	84.1	85.3	86.8	88.1	88.7	89.5
35°	77.0	79.2	81.2	82.7	84.1	85.3	86.1	87.5	88.8	89.5	90.0
32.5°	78.7	80.7	82.4	83.9	85.1	86.5	87.1	88.5	89.6	90.2	90.6
30°	80.7	82.2	83.8	85.3	86.2	87.5	88.4	89.6	90.4	90.9	91.2
27.5°	82.8	83.9	85.2	86.7	87.6	88.5	90.0	90.8	91.4	91.7	91.8
25°	84.9	85.9	86.9	88.0	89.0	90.7	91.7	92.2	92.4	92.5	92.5
22.5°	87.0	88.0	88.7	89.4	92.2	93.2	93.5	93.7	93.6	93.3	93.1
20°	89.3	90.1	91.5	93.9	95.7	96.1	95.7	95.3	94.9	94.2	93.7
17.5°	91.9	97.4	100.1	99.7	99.6	99.2	98.0	96.9	96.2	95.1	94.4
15°	114.3	114.0	110.6	106.4	103.7	102.5	100.5	98.5	97.5	96.0	95.7
12.5°	147.3	134.1	122.6	113.9	108.2	106.0	103.2	100.1	98.9	98.2	98.0
10°	185.6	156.9	135.8	122.1	112.8	109.5	105.9	103.5	102.8	101.5	100.4
7.5°	227.4	181.4	149.8	130.5	124.0	122.8	117.5	110.8	107.0	104.8	102.8
5°	351.6	317.8	267.2	208.2	171.8	147.7	130.9	118.4	111.2	108.2	105.3
2.5°	826.2	634.3	455.7	299.3	221.4	173.2	144.6	126.0	115.4	111.5	107.7
0°	1304.8	953.0	645.4	390.4	270.9	198.5	158.0	133.6	119.5	114.8	110.1
-2.5°	1820.9	1401.7	1052.6	681.1	434.5	300.5	222.8	168.8	138.5	125.5	117.5
-5°	2317.1	1836.8	1440.5	956.9	591.2	398.9	285.1	202.8	157.0	136.0	124.7
-7.5°	2830.9	2238.2	1755.2	1196.4	736.3	491.0	343.0	234.6	174.5	146.2	131.8
-10°	3303.9	2586.6	1963.7	1341.6	867.0	588.4	398.6	263.4	190.8	155.9	138.6
-12.5°	3711.0	2876.4	2130.8	1463.8	985.1	688.8	472.9	308.5	208.1	165.0	145.1
-15°	4040.6	3095.4	2250.1	1560.3	1089.1	777.4	538.5	357.7	242.9	179.8	151.3
-17.5°	4235.2	3233.4	2315.9	1629.0	1177.5	852.5	594.2	400.0	273.4	201.0	161.6
-20°	4169.4	3235.6	2334.7	1668.1	1249.1	912.6	638.8	434.4	299.2	219.7	174.4



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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°	4066.5	3164.3	2352.7	1726.9	1307.0	956.5	671.2	460.0	319.6	235.8	186.0
-25°	3927.3	3074.3	2347.7	1781.1	1350.3	990.2	695.8	476.3	334.2	249.0	196.0
-27.5°	3789.0	2987.4	2323.2	1807.6	1376.2	1007.1	712.7	492.9	345.3	258.9	204.4
-30°	3647.7	2937.0	2318.1	1810.0	1381.7	1015.2	716.2	501.4	356.7	267.7	211.1
-32.5°	3562.8	2867.2	2291.1	1798.8	1375.2	1009.3	715.8	500.8	363.4	275.3	216.9
-35°	3496.6	2806.0	2232.3	1763.1	1353.1	1005.8	716.6	491.0	365.1	280.3	221.6
-37.5°	3374.3	2722.1	2168.4	1710.6	1312.0	990.2	715.1	496.7	361.7	282.6	225.1
-40°	3229.0	2610.8	2089.1	1645.2	1274.7	962.7	701.3	498.5	359.7	282.2	227.1
-42.5°	3038.3	2486.9	1996.1	1560.8	1230.8	933.4	677.3	489.7	360.8	281.9	227.8
-45°	2859.8	2339.8	1882.1	1499.6	1174.3	890.0	654.1	472.3	356.2	281.0	228.3
-47.5°	2653.9	2181.5	1768.4	1417.7	1107.4	835.9	617.9	457.8	345.2	278.3	229.4
-50°	2444.8	2017.0	1649.5	1316.1	1021.8	776.6	574.3	435.1	337.9	273.2	229.5
-52.5°	2242.7	1854.1	1506.7	1193.6	929.9	702.4	535.4	406.2	326.6	268.9	228.6
-55°	2034.5	1663.3	1340.1	1065.1	826.1	636.6	487.1	386.1	311.4	264.3	226.8
-57.5°	1794.1	1448.7	1172.5	928.2	728.1	565.9	446.5	361.4	300.5	258.0	225.0
-60°	1535.9	1249.3	997.8	799.6	630.5	500.7	409.5	337.2	289.6	250.8	221.4
-62.5°	1292.9	1043.5	840.4	670.8	541.8	444.7	371.5	320.4	276.8	244.8	216.9
-65°	1056.4	855.6	679.5	562.0	462.5	390.1	346.4	301.3	267.0	238.0	212.0
-67.5°	823.0	684.5	555.2	455.9	399.0	355.7	318.2	286.9	257.5	230.4	207.8
-70°	654.7	535.8	449.2	396.0	354.9	321.3	299.5	274.2	247.1	224.9	203.2
-72.5°	517.0	447.3	386.3	342.8	322.0	301.8	282.4	261.7	240.2	219.1	198.2
-75°	415.4	376.7	343.7	317.8	299.5	282.2	268.9	253.5	233.0	212.9	194.9
-77.5°	367.7	339.3	313.5	295.0	282.7	270.4	258.4	244.8	226.2	208.8	192.0
-80°	329.7	311.7	295.0	280.4	269.3	258.4	248.7	237.9	221.1	204.7	188.8
-82.5°	301.5	289.6	278.6	268.3	259.4	250.3	241.1	231.4	215.7	200.4	185.6
-85°	284.5	275.6	267.1	259.0	250.5	242.0	233.7	225.2	211.0	196.9	183.0
-87.5°	269.6	263.2	256.9	250.7	243.0	235.4	227.7	220.0	206.6	193.3	180.1
-90°	61.1	63.9	66.8	69.6	71.9	74.3	76.6	79.0	80.9	82.8	84.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	164.6	149.5	134.5	119.4	104.4	98.7	93.1
87.5°	86.6	88.0	89.4	90.8	92.2	92.7	93.1
85°	86.6	88.0	89.4	90.8	92.2	92.7	93.1
82.5°	86.7	88.1	89.4	90.8	92.2	92.7	93.1
80°	86.7	88.1	89.5	90.9	92.2	92.7	93.1
77.5°	86.8	88.2	89.5	90.9	92.2	92.7	93.1
75°	86.9	88.2	89.6	90.9	92.2	92.7	93.1
72.5°	87.0	88.3	89.7	91.0	92.2	92.7	93.1
70°	87.1	88.4	89.7	91.1	92.3	92.7	93.1
67.5°	87.2	88.5	89.8	91.1	92.3	92.7	93.1
65°	87.4	88.6	89.9	91.2	92.3	92.7	93.1
62.5°	87.5	88.8	90.0	91.3	92.3	92.7	93.1
60°	87.7	88.9	90.1	91.4	92.3	92.7	93.1
57.5°	87.9	89.1	90.3	91.5	92.4	92.7	93.1
55°	88.1	89.2	90.4	91.6	92.4	92.7	93.1
52.5°	88.3	89.4	90.5	91.7	92.4	92.7	93.1
50°	88.5	89.6	90.7	91.8	92.5	92.8	93.1
47.5°	88.8	89.8	90.9	91.9	92.5	92.8	93.1
45°	89.1	90.0	91.0	92.0	92.6	92.8	93.1
42.5°	89.4	90.2	91.2	92.2	92.6	92.8	93.1
40°	89.8	90.5	91.4	92.3	92.7	92.8	93.1
37.5°	90.2	90.7	91.6	92.4	92.8	92.8	93.1
35°	90.6	91.0	91.8	92.6	92.9	92.8	93.1
32.5°	91.1	91.3	92.0	92.8	92.9	92.9	93.1
30°	91.5	91.7	92.2	92.9	93.0	92.9	93.1
27.5°	92.0	92.1	92.6	93.2	93.1	92.9	93.1
25°	92.5	92.5	93.0	93.4	93.2	92.9	93.1
22.5°	93.0	93.0	93.5	93.6	93.3	92.9	93.1
20°	93.6	93.9	94.0	93.9	93.4	92.9	93.1
17.5°	94.7	94.8	94.6	94.1	93.5	93.0	93.1
15°	96.3	95.7	95.2	94.4	93.6	93.0	93.1
12.5°	97.9	96.7	95.8	94.7	93.7	93.0	93.1
10°	99.5	97.7	96.4	94.9	93.7	93.0	93.1
7.5°	101.2	98.7	97.0	95.2	93.8	93.0	93.1
5°	102.9	99.7	97.6	95.5	93.9	93.1	93.1
2.5°	104.6	100.6	98.2	95.7	94.0	93.1	93.1
0°	106.3	101.6	98.8	96.0	94.1	93.1	93.1
-2.5°	111.6	104.8	100.8	97.3	94.8	93.4	93.1
-5°	116.7	108.0	102.7	98.6	95.6	93.7	93.1
-7.5°	121.7	111.1	104.6	99.8	96.3	94.0	93.1
-10°	126.4	114.0	106.5	101.0	97.0	94.3	93.1
-12.5°	130.8	116.9	108.3	102.2	97.7	94.6	93.1
-15°	135.0	119.5	110.0	103.4	98.4	94.9	93.1
-17.5°	138.7	122.0	111.7	104.5	99.0	95.2	93.1
-20°	143.8	124.3	113.2	105.5	99.7	95.5	93.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	151.4	126.4	114.7	106.6	100.3	95.8	93.1
-25°	158.3	130.6	116.1	107.5	100.8	96.0	93.1
-27.5°	164.4	135.6	117.3	108.4	101.4	96.3	93.1
-30°	169.6	140.1	118.7	109.2	101.9	96.5	93.1
-32.5°	173.9	144.1	121.9	110.0	102.4	96.8	93.1
-35°	178.3	147.7	124.8	110.7	102.9	97.0	93.1
-37.5°	182.3	151.0	127.4	111.3	103.3	97.2	93.1
-40°	185.6	154.0	129.7	111.8	103.7	97.4	93.1
-42.5°	188.2	156.6	131.8	112.6	104.0	97.6	93.1
-45°	190.0	158.7	133.7	114.0	104.3	97.8	93.1
-47.5°	191.1	160.3	135.2	115.2	104.6	98.0	93.1
-50°	192.1	161.4	136.5	116.4	104.8	98.1	93.1
-52.5°	192.5	162.0	137.5	117.4	105.0	98.3	93.1
-55°	192.1	162.5	138.1	118.3	105.1	98.4	93.1
-57.5°	191.1	162.6	138.5	119.1	105.2	98.5	93.1
-60°	189.6	162.3	138.7	119.8	105.3	98.6	93.1
-62.5°	188.1	161.6	139.1	120.3	105.4	98.7	93.1
-65°	186.0	160.4	139.4	120.7	105.5	98.8	93.1
-67.5°	183.5	159.6	139.5	120.9	105.5	98.8	93.1
-70°	180.4	159.1	139.4	121.0	105.5	98.9	93.1
-72.5°	178.8	158.3	139.1	121.2	105.5	98.9	93.1
-75°	177.1	157.3	138.6	121.2	105.4	98.9	93.1
-77.5°	175.1	156.1	138.2	121.2	105.3	98.9	93.1
-80°	172.9	155.0	137.8	121.0	105.2	98.9	93.1
-82.5°	171.1	153.9	137.1	120.8	105.0	98.9	93.1
-85°	169.1	152.6	136.4	120.4	104.8	98.9	93.1
-87.5°	166.9	151.2	135.5	120.0	104.6	98.8	93.1
-90°	86.6	88.0	89.4	90.8	92.2	92.7	93.1

(END OF REPORT)