

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: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-3S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-40-90-3S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 4000K, 90 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

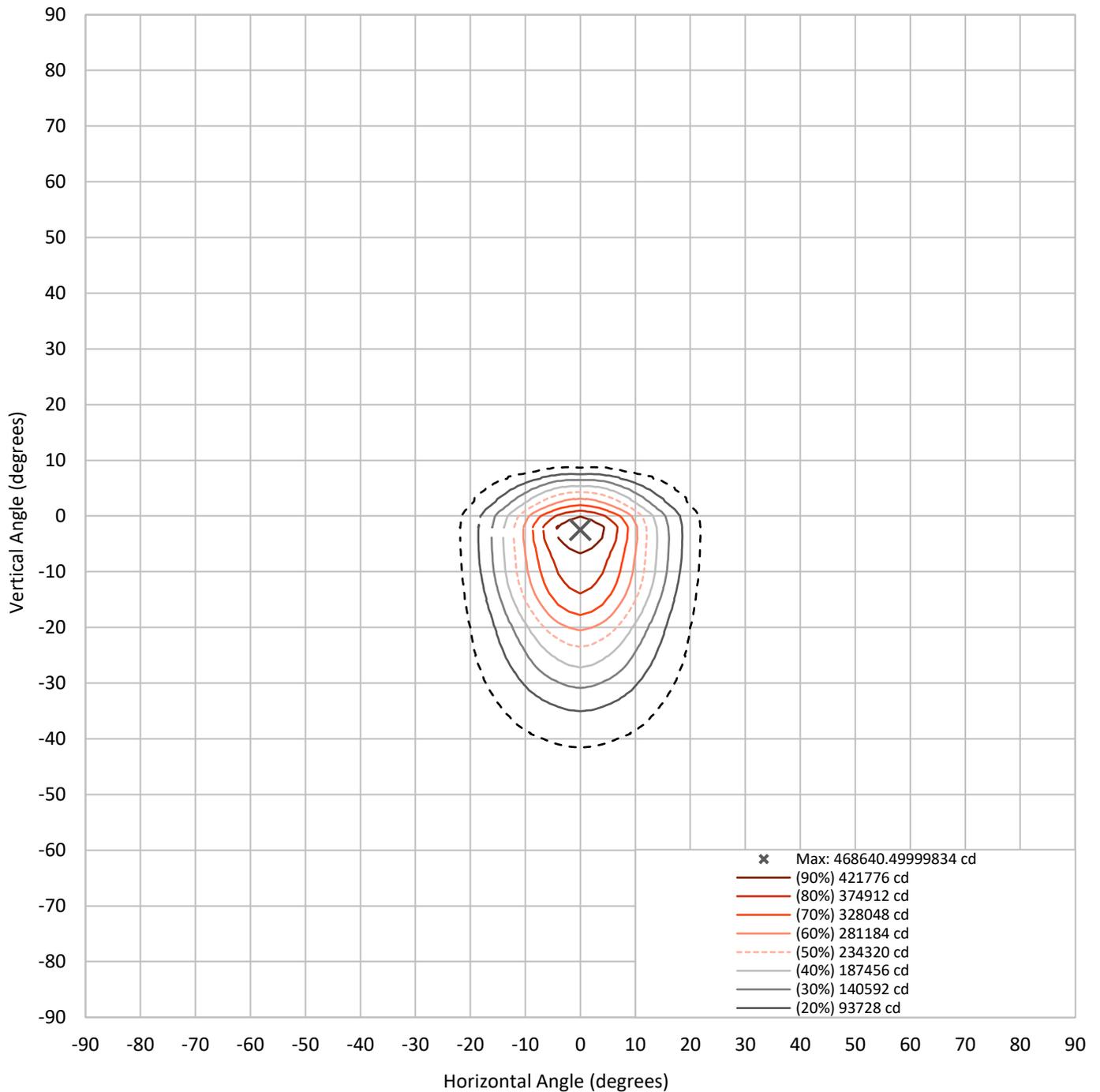
Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	115475.4 lumens	Max Intensity:	468640.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	110.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	24.4°H x 27.8°V	Field Angle (10%):	43.8°H x 50.3°V
Beam Lumens:	54211.4 lumens	Field Lumens:	96443.7 lumens
Beam Efficiency:	46.9%	Field Efficiency:	83.5%

Input Watts (W): 1041  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-ECV

### Iso-Candela Plot





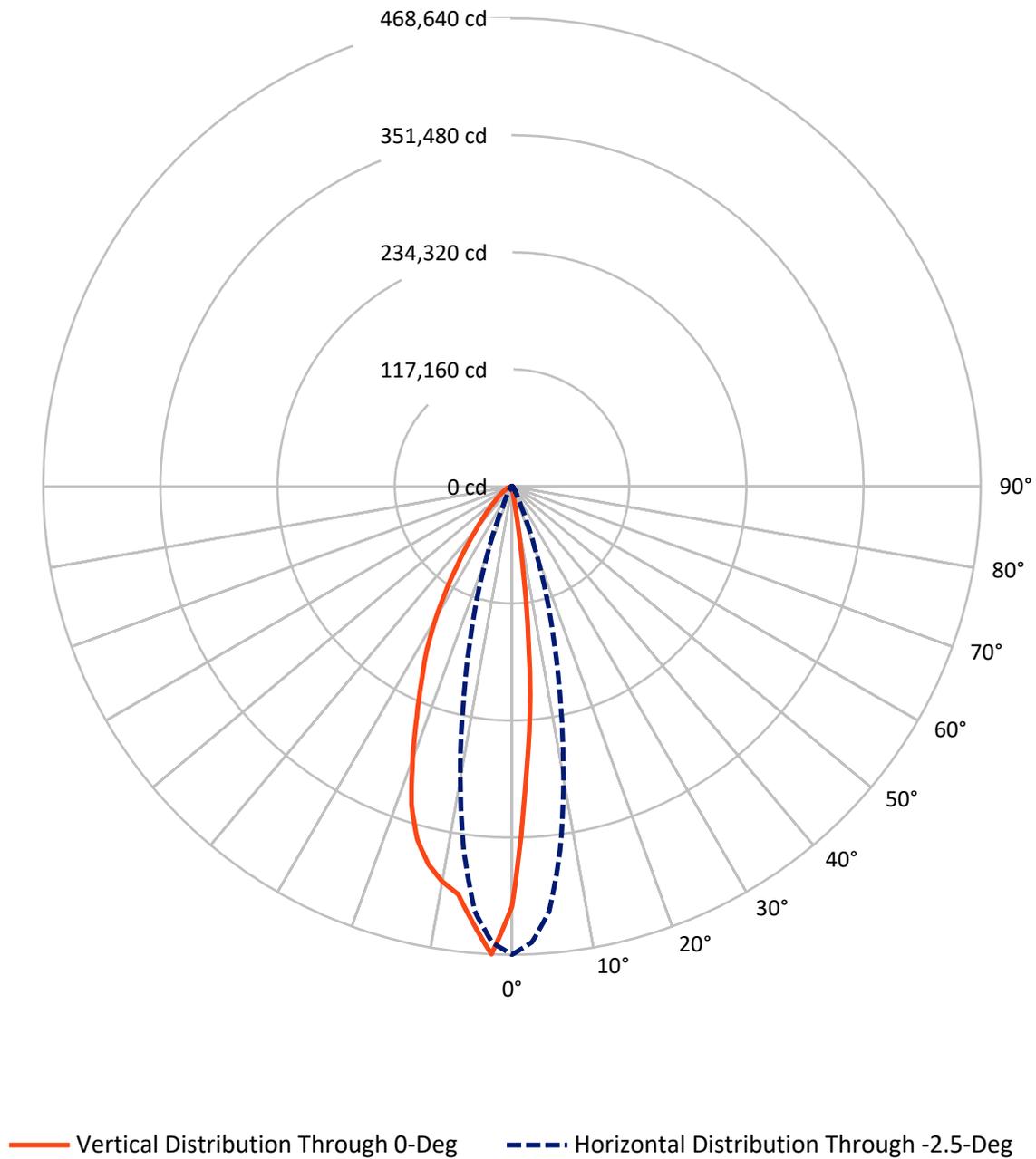
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### Lumen Table

90	2.0		5.1		6.2		5.3		4.1		5.3		6.2		5.1		2.0		
80	2.0		5.1		6.2		5.3		4.1		5.3		6.2		5.1		2.0		
70	1.9	1.1	1.3	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.3	1.1	1.9	1.9	1.9	
60		1.1	1.3	1.4	1.3	1.0	0.7	0.2	0.2	0.7	1.0	1.3	1.4	1.3	1.1				
50	1.9	1.1	1.4	1.5	1.4	1.2	0.8	0.3	0.3	0.8	1.2	1.4	1.5	1.4	1.1	1.9	1.9	1.9	
40		1.1	1.5	1.6	1.6	1.4	1.0	0.4	0.4	1.0	1.4	1.6	1.6	1.5	1.1				
30	2.0	1.2	1.6	1.8	2.0	2.0	1.4	0.5	0.5	1.4	2.0	2.0	1.8	1.6	1.2	2.0	2.0	2.0	
20		1.3	1.9	2.8	4.1	7.5	12.4	14.3	14.3	12.4	7.5	4.1	2.8	1.9	1.3				
10	2.3	1.6	4.8	15.0	47.9	304.7	2043.8	5256.5	5256.5	2043.8	304.7	47.9	15.0	4.8	1.6	2.3	2.3	2.3	
0		3.1	17.6	58.6	165.5	779.5	4889.9	11489.0	11489.0	4889.9	779.5	165.5	58.6	17.6	3.1				
-10	3.1	5.4	28.6	97.3	231.1	763.9	3961.6	9461.2	9461.2	3961.6	763.9	231.1	97.3	28.6	5.4	3.1	3.1	3.1	
-20		7.0	31.9	102.2	251.2	657.2	2443.7	5648.6	5648.6	2443.7	657.2	251.2	102.2	31.9	7.0				
-30	3.8	7.3	31.0	91.1	224.4	496.2	1293.7	2575.5	2575.5	1293.7	496.2	224.4	91.1	31.0	7.3	3.8	3.8	3.8	
-40		6.8	26.5	73.8	164.4	324.5	627.8	971.6	971.6	627.8	324.5	164.4	73.8	26.5	6.8				
-50	3.8	5.4	18.9	51.6	109.2	194.7	318.4	425.3	425.3	318.4	194.7	109.2	51.6	18.9	5.4	3.8	3.8	3.8	
-60		4.0	10.4	27.7	58.1	99.8	150.6	186.1	186.1	150.6	99.8	58.1	27.7	10.4	4.0				
-70	3.3	4.0	10.4	27.7	58.1	99.8	150.6	186.1	186.1	150.6	99.8	58.1	27.7	10.4	4.0	3.3	3.3	3.3	
-80		3.3	16.0	47.1	118.6	170.6	118.6	47.1	16.0	3.3									
-90	3.3		16.0		47.1		118.6		170.6		118.6		47.1		16.0		3.3		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

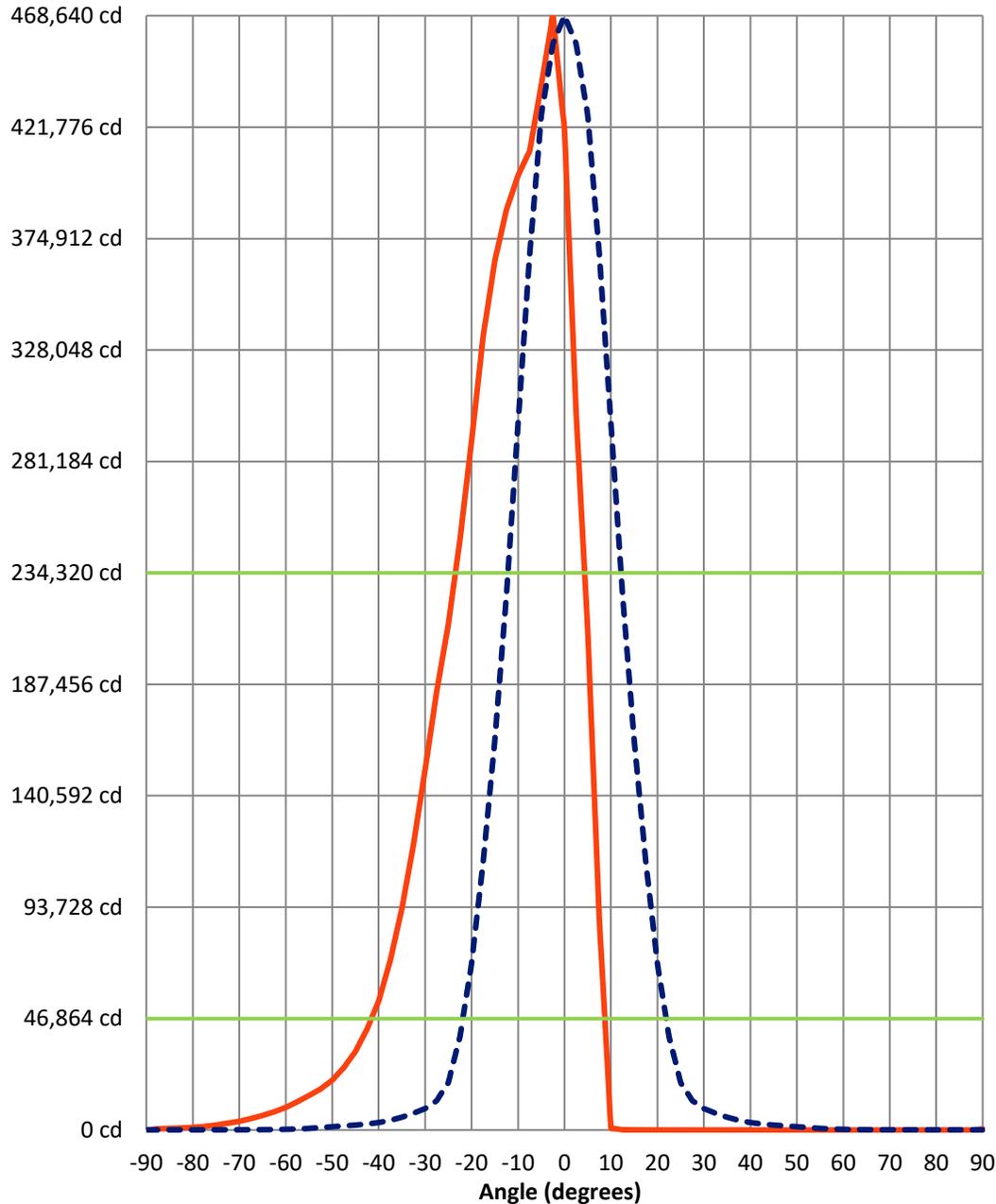
REPORT NUMBER: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.4°  
 V Angle: 27.8°  
 Lumens: 54211.4  
 Efficiency: 46.9%

**Field:**  
 H Angle: 43.8°  
 V Angle: 50.3°  
 Lumens: 96443.7  
 Efficiency: 83.5%

**Spill:**  
 Lumens: 19031.7  
 Efficiency: 16.5%

- 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°	95.5	100.8	106.2	121.0	135.8	150.6	165.4	178.2	190.9	203.7	216.5
87.5°	95.5	94.3	93.1	91.9	90.6	89.4	88.1	86.3	84.4	82.6	80.7
85°	95.5	94.3	93.1	91.9	90.7	89.4	88.1	86.3	84.5	82.6	80.8
82.5°	95.5	94.3	93.2	92.0	90.8	89.5	88.2	86.4	84.5	82.7	80.8
80°	95.5	94.3	93.3	92.1	90.9	89.6	88.2	86.4	84.6	82.8	80.9
77.5°	95.5	94.4	93.4	92.3	91.0	89.7	88.3	86.5	84.7	82.9	81.1
75°	95.5	94.4	93.5	92.4	91.1	89.7	88.4	86.7	84.9	83.1	81.3
72.5°	95.5	94.4	93.6	92.5	91.1	89.7	88.4	86.8	85.0	83.2	81.5
70°	95.5	94.5	93.7	92.6	91.1	89.8	88.5	87.0	85.2	83.5	81.7
67.5°	95.5	94.5	93.8	92.6	91.1	89.8	88.7	87.2	85.4	83.7	82.0
65°	95.5	94.5	93.8	92.6	91.2	89.9	88.8	87.4	85.7	84.0	82.2
62.5°	95.5	94.6	93.9	92.6	91.2	90.1	89.0	87.6	86.0	84.3	82.6
60°	95.5	94.6	94.0	92.6	91.2	90.3	89.2	87.9	86.3	84.6	82.9
57.5°	95.5	94.6	94.0	92.6	91.4	90.5	89.4	88.2	86.6	85.0	83.4
55°	95.5	94.7	94.0	92.6	91.6	90.7	89.6	88.4	86.9	85.4	83.9
52.5°	95.5	94.7	94.0	92.7	91.8	91.0	89.8	88.7	87.3	86.0	84.5
50°	95.5	94.7	94.0	92.7	92.0	91.2	90.0	89.0	87.7	86.6	85.1
47.5°	95.5	94.8	94.0	92.8	92.2	91.4	90.3	89.3	88.4	87.3	85.6
45°	95.5	94.8	94.1	92.9	92.5	91.6	90.6	89.7	88.9	87.8	86.2
42.5°	95.5	94.9	94.1	93.1	92.7	91.8	91.0	90.1	89.5	88.4	86.9
40°	95.5	94.9	94.1	93.3	93.0	92.0	91.3	90.6	90.0	89.0	87.5
37.5°	95.5	94.9	94.2	93.5	93.2	92.3	91.7	91.0	90.5	89.5	88.2
35°	95.5	95.0	94.2	93.8	93.4	92.6	92.1	91.5	91.0	90.2	88.9
32.5°	95.5	95.0	94.3	94.0	93.6	92.9	92.5	91.9	91.6	90.9	89.8
30°	95.5	95.0	94.4	94.2	93.8	93.3	92.9	92.4	92.3	91.7	90.9
27.5°	95.5	95.1	94.4	94.4	94.2	93.6	93.3	92.9	93.0	92.6	92.0
25°	95.5	95.1	94.5	94.7	94.6	94.0	93.7	93.5	93.8	93.6	93.3
22.5°	95.5	95.2	94.6	94.9	95.1	94.5	94.1	94.2	94.5	94.7	94.8
20°	95.5	95.2	94.7	95.2	95.6	95.5	94.5	94.8	95.4	95.9	96.4
17.5°	95.5	95.2	94.8	95.4	96.2	96.4	95.5	95.4	96.2	97.1	98.0
15°	95.5	95.3	94.9	95.7	96.7	97.4	97.0	96.8	97.1	98.4	99.6
12.5°	95.5	95.3	95.0	95.9	97.3	98.5	98.6	99.2	99.3	99.7	101.3
10°	95.5	95.4	95.1	96.2	98.0	99.5	100.2	101.5	102.6	104.0	105.1
7.5°	95.5	95.4	95.2	96.4	98.6	100.6	101.9	103.9	105.9	108.8	113.7
5°	95.5	95.4	95.3	96.6	99.2	101.6	103.6	106.3	109.3	113.8	122.7
2.5°	95.5	95.5	95.4	96.9	99.8	102.7	105.3	108.7	112.7	118.7	131.8
0°	95.5	95.5	95.5	97.1	100.4	103.7	107.0	111.1	116.0	123.5	140.7
-2.5°	95.5	95.8	96.3	98.5	102.4	107.3	112.8	119.2	127.3	142.8	176.1
-5°	95.5	96.1	97.0	99.8	104.4	110.9	118.5	127.3	138.5	161.6	210.1
-7.5°	95.5	96.4	97.8	101.1	106.4	114.3	124.1	135.1	149.3	179.4	242.0
-10°	95.5	96.7	98.5	102.4	108.2	117.6	129.4	142.6	159.7	195.9	270.8
-12.5°	95.5	97.0	99.2	103.6	110.1	120.7	134.4	149.8	169.5	213.4	315.0
-15°	95.5	97.3	99.9	104.8	111.8	123.6	139.1	156.6	184.5	247.5	363.0
-17.5°	95.5	97.6	100.6	106.0	113.5	126.3	143.4	166.9	205.4	277.4	404.1
-20°	95.5	97.9	101.3	107.1	115.1	128.6	148.9	179.2	223.8	302.5	437.5



REPORT NUMBER: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	95.5	98.1	101.9	108.2	116.6	130.7	156.4	190.3	239.5	322.4	462.3
-25°	95.5	98.4	102.6	109.2	118.0	134.6	163.1	199.9	252.3	336.4	477.8
-27.5°	95.5	98.6	103.2	110.1	119.3	139.1	169.0	208.0	261.8	347.1	493.8
-30°	95.5	98.9	103.7	111.0	120.8	143.1	174.2	214.4	270.2	358.2	501.8
-32.5°	95.5	99.1	104.3	111.8	123.9	146.7	178.4	220.1	277.4	364.3	500.8
-35°	95.5	99.3	104.8	112.5	126.8	149.9	182.3	224.7	282.1	365.5	490.8
-37.5°	95.5	99.6	105.2	113.1	129.3	152.8	185.8	228.0	284.2	361.6	495.7
-40°	95.5	99.8	105.6	113.7	131.6	155.9	188.6	230.0	283.8	359.3	496.8
-42.5°	95.5	99.9	106.0	114.5	133.6	158.4	190.7	230.6	283.4	360.3	487.3
-45°	95.5	100.1	106.4	115.8	135.5	160.5	192.1	230.9	282.5	355.5	469.4
-47.5°	95.5	100.3	106.7	117.1	137.0	162.0	192.8	231.6	279.8	344.3	454.5
-50°	95.5	100.4	107.0	118.2	138.3	163.0	193.6	231.3	274.5	336.8	431.4
-52.5°	95.5	100.5	107.2	119.3	139.3	163.6	193.9	230.1	270.0	325.5	402.0
-55°	95.5	100.7	107.4	120.3	140.0	164.1	193.5	228.2	265.2	310.6	382.3
-57.5°	95.5	100.8	107.5	121.1	140.4	164.3	192.5	226.3	259.0	300.0	358.2
-60°	95.5	100.8	107.6	121.8	140.6	164.0	190.9	222.6	251.9	289.6	334.9
-62.5°	95.5	100.9	107.7	122.3	141.1	163.4	189.5	218.0	245.8	277.5	319.2
-65°	95.5	101.0	107.7	122.7	141.4	162.4	187.7	213.2	239.0	267.9	301.6
-67.5°	95.5	101.0	107.7	123.0	141.4	161.6	185.3	209.2	231.4	258.4	287.7
-70°	95.5	101.1	107.7	123.1	141.3	161.0	182.5	204.9	226.2	248.0	275.0
-72.5°	95.5	101.1	107.6	123.2	141.0	160.2	180.8	200.2	220.6	241.4	262.6
-75°	95.5	101.1	107.5	123.2	140.4	159.1	178.9	196.9	214.7	234.5	254.6
-77.5°	95.5	101.1	107.3	123.1	140.0	157.7	176.7	193.9	210.8	228.0	246.2
-80°	95.5	101.1	107.2	122.9	139.4	156.5	174.3	190.6	206.9	223.4	240.0
-82.5°	95.5	101.0	107.0	122.5	138.7	155.3	172.3	187.4	202.8	218.5	234.4
-85°	95.5	101.0	106.7	122.1	137.9	153.9	170.2	184.5	199.0	213.7	228.5
-87.5°	95.5	100.9	106.5	121.6	136.9	152.3	167.9	181.4	195.1	208.8	222.6
-90°	95.5	94.3	93.0	91.8	90.6	89.3	88.1	86.3	84.4	82.6	80.7



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	223.7	230.9	238.1	245.3	250.2	255.2	260.1	265.0	272.4	279.8	287.2
87.5°	78.2	75.8	73.3	70.8	67.7	64.6	61.5	58.4	55.2	51.9	48.6
85°	78.3	75.8	73.3	70.8	67.7	64.6	61.6	58.5	55.3	52.0	48.7
82.5°	78.4	75.8	73.1	70.5	67.5	64.5	61.6	58.7	55.4	52.2	48.9
80°	78.4	75.8	73.2	70.7	67.9	64.9	62.0	58.9	55.7	52.4	49.1
77.5°	78.7	76.2	73.7	71.3	68.5	65.4	62.3	59.3	56.0	52.7	49.4
75°	79.0	76.6	74.2	71.7	68.9	65.8	62.7	59.6	56.4	53.1	49.8
72.5°	79.3	76.9	74.5	72.1	69.3	66.3	63.2	60.1	56.9	53.6	50.3
70°	79.6	77.3	74.9	72.4	69.8	66.7	63.6	60.5	57.5	54.2	50.8
67.5°	80.0	77.7	75.3	72.8	70.1	66.9	63.9	61.1	58.1	54.8	51.5
65°	80.4	78.1	75.6	73.0	70.2	67.6	64.8	61.9	58.8	55.5	52.2
62.5°	80.9	78.5	76.0	73.5	71.2	68.7	65.7	62.6	59.6	56.3	53.0
60°	81.3	79.1	76.6	74.4	72.2	69.6	66.5	63.5	60.4	57.2	53.9
57.5°	81.7	79.7	77.4	75.2	72.9	70.4	67.5	64.4	61.3	58.2	54.9
55°	82.3	80.4	78.2	75.9	73.6	71.3	68.5	65.4	62.4	59.3	55.9
52.5°	82.8	81.0	78.9	76.7	74.4	72.1	69.5	66.6	63.5	60.4	57.1
50°	83.4	81.6	79.7	77.5	75.3	73.0	70.7	67.8	64.7	61.6	58.5
47.5°	84.0	82.3	80.5	78.4	76.2	74.0	71.7	69.1	66.1	63.0	59.8
45°	84.6	83.0	81.3	79.4	77.3	75.1	72.9	70.5	67.5	64.5	61.3
42.5°	85.3	83.7	82.2	80.4	78.3	76.3	74.3	71.8	69.1	66.0	62.9
40°	86.0	84.5	83.1	81.4	79.5	77.8	75.4	73.1	70.7	67.8	64.7
37.5°	86.8	85.5	84.2	82.5	81.1	79.1	76.6	74.6	72.3	69.6	66.6
35°	87.6	86.5	85.3	83.9	82.6	80.2	78.3	76.4	74.2	71.5	68.7
32.5°	88.5	87.7	86.6	85.3	83.6	81.5	80.1	78.4	76.1	73.6	71.4
30°	89.7	88.9	87.9	86.6	84.8	83.3	82.1	80.5	78.1	76.1	74.1
27.5°	91.3	90.2	89.2	87.8	86.1	85.2	84.2	82.5	80.6	78.9	77.2
25°	93.0	92.4	90.4	89.1	87.9	87.2	86.5	84.9	83.2	82.0	80.5
22.5°	94.8	94.7	93.2	90.5	89.8	89.4	88.8	87.8	86.8	85.7	84.2
20°	96.9	97.2	96.6	95.2	92.8	91.7	91.4	91.0	91.2	91.5	90.7
17.5°	99.0	100.0	100.5	101.5	102.5	99.9	94.2	94.6	96.1	99.2	104.9
15°	101.3	103.0	104.9	109.0	114.2	118.1	118.4	108.8	102.5	110.0	124.5
12.5°	103.6	106.2	109.7	117.5	127.7	140.0	154.3	166.1	167.1	151.7	151.4
10°	106.0	109.4	114.7	126.6	142.4	164.6	195.9	234.0	271.7	313.2	348.0
7.5°	119.5	124.3	127.4	136.2	158.0	191.1	241.5	309.5	388.6	497.1	639.4
5°	135.2	152.4	182.6	223.8	288.6	340.2	370.8	393.2	512.8	694.6	959.5
2.5°	151.2	181.2	239.9	326.3	498.4	686.5	852.7	1010.5	1208.2	1451.7	1787.5
0°	167.1	209.9	297.1	428.8	709.4	1035.3	1337.4	1630.4	2016.4	2466.6	3036.9
-2.5°	229.7	306.4	453.4	704.5	1047.4	1404.8	1763.4	2098.0	2552.9	3174.1	4087.4
-5°	289.9	399.4	602.6	965.5	1370.9	1760.6	2172.5	2549.8	3097.8	3873.2	4981.8
-7.5°	346.1	486.7	739.9	1191.0	1643.8	2095.5	2620.5	3152.0	3785.8	4605.6	5718.1
-10°	400.2	578.8	860.4	1321.2	1838.9	2391.8	3035.1	3705.2	4427.6	5286.5	6387.4
-12.5°	472.6	674.0	967.9	1430.6	1999.9	2639.8	3387.3	4194.8	5015.5	5912.0	6972.2
-15°	536.9	758.9	1061.5	1517.3	2121.2	2830.5	3665.7	4609.5	5487.3	6332.1	7378.3
-17.5°	592.1	832.1	1140.0	1579.8	2197.8	2955.9	3827.5	4776.4	5746.8	6655.9	7739.4
-20°	637.0	892.3	1202.3	1616.6	2231.7	2989.6	3810.3	4774.2	5853.1	6916.8	7971.2



REPORT NUMBER: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	670.6	938.3	1255.0	1667.0	2253.2	2969.5	3765.5	4677.9	5818.6	7100.6	8223.6
-25°	695.7	973.4	1300.8	1713.0	2251.6	2920.9	3690.7	4505.0	5646.4	7098.5	8513.0
-27.5°	711.7	992.9	1332.2	1735.6	2228.7	2858.2	3601.2	4389.7	5487.1	6951.9	8618.6
-30°	714.7	1002.4	1342.7	1739.9	2222.4	2809.5	3487.7	4339.6	5281.4	6661.5	8289.8
-32.5°	712.2	998.3	1339.3	1734.5	2199.2	2738.3	3410.6	4259.2	5184.7	6223.7	7791.4
-35°	710.5	991.6	1320.7	1703.5	2149.7	2685.3	3345.4	4120.5	5030.7	5984.3	7190.6
-37.5°	708.1	973.0	1284.3	1655.7	2090.2	2620.1	3230.1	3967.2	4811.1	5769.1	6782.1
-40°	695.4	942.6	1246.2	1596.8	2014.4	2522.7	3109.5	3776.1	4557.0	5470.0	6475.2
-42.5°	673.6	916.4	1199.5	1521.0	1930.1	2399.4	2944.9	3574.0	4288.4	5121.2	6053.5
-45°	649.8	878.3	1142.3	1459.3	1829.8	2257.3	2762.5	3337.1	4010.3	4739.9	5588.5
-47.5°	613.0	829.3	1084.3	1376.5	1722.2	2118.0	2557.2	3101.0	3710.4	4381.6	5088.0
-50°	568.8	769.5	1008.2	1281.7	1602.2	1965.0	2373.1	2850.3	3404.1	4009.5	4659.8
-52.5°	529.3	694.9	916.2	1168.1	1463.8	1800.8	2179.7	2613.9	3096.4	3626.9	4220.9
-55°	480.1	627.9	810.7	1041.7	1305.0	1613.7	1965.1	2356.9	2786.4	3262.3	3769.0
-57.5°	439.8	556.4	713.3	903.9	1139.4	1406.1	1736.0	2077.9	2460.8	2879.5	3322.2
-60°	404.0	492.7	618.9	779.3	964.8	1210.4	1496.4	1810.4	2137.2	2477.1	2874.8
-62.5°	367.4	439.7	534.5	658.5	817.5	1008.7	1254.7	1530.6	1826.6	2127.4	2444.4
-65°	344.5	388.0	459.8	556.7	670.0	835.5	1026.6	1238.7	1492.8	1748.9	2019.6
-67.5°	318.5	355.2	399.1	457.0	552.9	674.4	807.1	983.7	1177.4	1369.4	1570.6
-70°	300.3	322.0	355.5	397.6	450.7	530.7	642.2	762.7	894.6	1048.4	1220.8
-72.5°	283.3	302.9	323.1	343.7	386.9	444.9	509.0	578.7	677.6	801.0	928.0
-75°	270.2	283.8	301.2	319.6	345.0	377.2	414.6	469.6	538.5	617.1	699.0
-77.5°	260.0	272.5	285.0	297.7	316.2	341.7	369.6	399.7	442.2	492.1	545.4
-80°	250.9	260.9	272.2	283.7	298.6	315.4	333.5	352.8	381.2	415.4	454.4
-82.5°	244.0	253.2	262.5	271.8	282.6	294.1	306.4	320.6	342.4	366.2	391.1
-85°	237.1	245.4	253.9	262.3	270.9	279.9	289.2	298.8	313.9	329.8	346.3
-87.5°	230.5	238.2	246.0	253.7	260.3	267.0	273.8	280.6	291.4	302.4	313.6
-90°	78.2	75.8	73.3	70.8	67.7	64.6	61.5	58.4	55.1	51.9	48.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	294.6	304.7	314.8	324.9	335.0	348.2	361.3	374.5	387.6	404.1	420.6
87.5°	45.3	42.0	38.7	35.4	32.1	28.8	25.5	22.2	18.9	15.8	12.8
85°	45.4	42.1	38.8	35.5	32.2	28.7	25.2	21.7	18.2	15.1	12.0
82.5°	45.6	42.3	39.0	35.7	32.3	28.8	25.3	21.8	18.3	15.3	12.4
80°	45.8	42.5	39.2	35.9	32.5	29.0	25.5	22.0	18.4	15.3	12.2
77.5°	46.1	42.8	39.5	36.1	32.8	29.3	25.7	22.2	18.6	15.4	12.2
75°	46.5	43.2	39.8	36.5	33.1	29.6	26.0	22.4	18.8	15.5	12.4
72.5°	47.0	43.6	40.3	36.8	33.3	29.7	26.1	22.5	19.0	15.9	12.9
70°	47.5	44.1	40.5	36.9	33.2	29.7	26.2	22.8	19.3	16.0	12.8
67.5°	48.1	44.7	41.1	37.5	33.8	30.2	26.7	23.2	19.6	16.2	12.9
65°	48.8	45.4	41.8	38.1	34.4	30.7	27.2	23.6	20.0	16.6	13.2
62.5°	49.6	46.2	42.6	38.9	35.1	31.3	27.7	24.1	20.5	16.9	13.5
60°	50.5	47.1	43.5	39.7	35.9	32.1	28.4	24.7	21.0	17.3	13.8
57.5°	51.5	48.0	44.5	40.7	36.8	32.9	29.1	25.4	21.6	17.8	14.2
55°	52.5	49.1	45.5	41.7	37.8	33.9	29.9	26.1	22.2	18.3	14.6
52.5°	53.7	50.2	46.7	42.9	38.9	34.9	30.8	26.9	22.9	18.9	15.1
50°	55.0	51.5	47.9	44.2	40.2	36.1	31.9	27.9	23.9	19.7	15.6
47.5°	56.5	52.9	49.3	45.6	41.6	37.6	33.6	29.5	24.9	20.5	16.2
45°	58.0	54.5	50.8	47.1	43.2	39.1	34.6	30.0	25.8	21.4	16.9
42.5°	59.7	56.2	52.5	48.7	44.8	40.5	36.2	32.0	27.3	22.4	17.6
40°	61.4	58.1	54.4	50.6	46.6	42.4	37.9	33.0	28.2	23.4	18.5
37.5°	63.4	60.1	56.7	53.0	48.7	44.2	39.5	34.6	29.7	24.8	19.7
35°	65.8	62.8	59.5	55.4	51.2	46.6	41.9	37.4	32.1	27.1	21.6
32.5°	68.7	65.7	62.1	58.6	54.5	50.7	46.2	42.1	36.8	31.7	26.5
30°	71.8	68.7	66.5	63.2	59.9	56.6	53.4	49.6	45.4	40.2	32.4
27.5°	75.0	73.9	72.5	68.7	66.6	64.1	61.7	58.1	51.1	44.6	33.4
25°	79.2	80.2	77.1	74.9	73.9	72.5	67.9	61.2	50.6	39.5	29.3
22.5°	84.4	84.1	82.7	82.1	83.8	80.2	71.5	61.1	46.9	35.4	27.2
20°	89.1	88.9	92.2	97.0	95.7	91.4	77.8	62.8	48.2	42.3	36.7
17.5°	105.0	98.8	110.2	123.3	121.1	101.3	89.4	72.5	62.8	58.0	50.2
15°	134.8	148.2	155.8	157.1	155.1	136.9	111.4	108.1	99.2	96.2	87.8
12.5°	181.7	227.0	280.5	314.7	212.0	196.7	232.0	244.8	205.6	180.9	180.3
10°	365.7	331.9	478.9	766.0	1295.9	1664.8	657.6	1867.8	3805.1	3251.6	1917.5
7.5°	876.3	1142.6	1361.1	1752.0	3361.3	6967.3	11444.8	16769.5	27884.3	34773.1	48309.3
5°	1458.9	2137.1	2892.8	4144.3	7049.8	14305.7	27054.8	43247.7	61984.8	88492.4	120740.2
2.5°	2479.4	3522.7	4689.7	6722.6	10963.6	22060.0	41073.9	69365.7	98761.3	137094.5	181366.6
0°	4088.7	5747.9	7361.8	10223.4	18358.1	37333.4	63617.9	104084.4	147263.7	202708.6	264122.1
-2.5°	5406.4	7081.5	9045.5	12406.7	20047.9	39315.0	70066.1	112930.0	163947.9	225180.0	297181.5
-5°	6432.9	8241.5	10508.1	13945.7	21467.9	38637.9	67926.3	111202.5	163995.0	221471.8	287143.9
-7.5°	7217.9	9193.1	11699.3	15128.1	22189.2	38066.6	67301.8	109966.1	160218.3	218071.2	278558.6
-10°	7874.7	9918.5	12629.7	16413.8	23151.1	36643.7	62075.8	104189.6	155856.3	212549.6	271822.9
-12.5°	8443.1	10496.9	13185.8	16882.6	22881.2	35711.4	59140.7	94890.4	144139.5	202409.0	258123.6
-15°	8885.4	10926.3	13532.5	17571.7	24283.7	35185.0	52956.6	85192.9	128553.0	181305.8	236919.4
-17.5°	9229.7	11224.9	13945.4	17846.8	23999.7	33916.6	51125.3	75868.4	112979.9	159103.4	206845.9
-20°	9419.9	11404.0	14003.0	17666.2	23617.3	33066.0	46859.6	69528.8	99519.9	137712.0	178132.1



REPORT NUMBER: P1212111 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	9685.9	11539.4	13856.4	17194.9	22915.1	31165.5	43707.5	63806.4	88774.5	120685.9	155209.5
-25°	9850.2	11507.9	13780.0	17138.8	21640.8	28724.3	41155.5	57147.0	79665.1	106031.1	135577.0
-27.5°	9981.0	11551.7	13631.8	16565.7	20465.9	27079.8	37213.8	50273.1	69759.2	91557.0	116799.5
-30°	10053.6	11507.5	13384.2	15721.3	19629.2	25212.9	32734.0	44459.8	59312.7	76556.1	97427.4
-32.5°	9580.4	11393.2	12995.5	15174.9	18409.4	22925.5	28717.8	38510.5	49786.1	63529.0	79270.4
-35°	8891.5	10723.1	12602.9	14590.4	17191.3	20664.3	26030.2	33149.5	41166.5	52086.8	63865.5
-37.5°	8049.9	9788.4	11693.1	13768.9	15953.4	18691.5	23122.4	28506.7	34721.4	42582.0	51088.8
-40°	7500.1	8682.5	10520.5	12477.5	14501.9	17117.3	20464.1	24258.0	28989.5	34729.6	40684.2
-42.5°	7067.4	8125.7	9273.7	10921.7	12869.7	15326.4	17998.7	20880.1	24554.9	28623.1	32746.0
-45°	6513.2	7542.2	8612.4	9741.6	11085.2	13139.1	15437.4	17956.4	20821.2	23820.9	26653.5
-47.5°	5943.1	6864.0	7849.8	8874.9	10096.2	11471.4	12957.1	14856.8	17319.1	19755.0	21847.2
-50°	5379.6	6169.5	7052.4	7979.3	9026.6	10161.6	11361.8	12957.8	14714.4	16524.3	17945.5
-52.5°	4851.1	5543.7	6272.2	7056.6	7944.3	8869.4	9856.6	11192.3	12591.2	14019.4	15029.3
-55°	4327.9	4928.4	5552.2	6236.2	6950.1	7678.9	8519.8	9602.9	10706.7	11817.0	12574.7
-57.5°	3804.5	4315.9	4860.3	5444.9	6046.8	6661.3	7351.1	8141.7	8983.1	9833.6	10444.6
-60°	3284.7	3704.9	4178.7	4676.1	5180.2	5688.3	6278.1	6883.0	7484.4	8044.4	8488.5
-62.5°	2782.9	3150.2	3533.7	3936.9	4357.8	4795.6	5278.1	5768.0	6259.5	6687.4	6984.7
-65°	2305.9	2608.1	2910.2	3225.2	3551.3	3909.9	4306.4	4702.2	5093.7	5423.6	5674.8
-67.5°	1807.5	2055.4	2302.9	2545.1	2798.2	3077.0	3387.2	3697.2	4003.9	4255.3	4455.5
-70°	1390.8	1562.0	1740.3	1932.4	2142.7	2366.9	2607.0	2838.9	3061.7	3232.6	3370.5
-72.5°	1057.8	1191.8	1333.1	1485.4	1636.8	1809.0	1996.5	2183.2	2367.9	2503.6	2616.9
-75°	783.5	878.3	991.0	1104.9	1219.2	1350.6	1491.3	1633.0	1774.6	1875.1	1960.8
-77.5°	609.4	681.0	754.6	829.2	904.4	991.1	1081.3	1171.5	1261.1	1326.6	1386.0
-80°	495.9	544.0	594.0	644.9	696.3	757.1	819.9	883.0	946.0	991.2	1033.6
-82.5°	417.1	449.7	483.9	518.9	554.5	597.5	641.5	685.8	730.1	761.6	791.9
-85°	363.1	385.3	408.1	431.3	454.8	484.3	514.4	544.9	575.5	599.3	622.6
-87.5°	324.9	340.3	356.0	371.8	387.8	406.2	424.6	443.1	461.5	481.8	502.0
-90°	45.3	42.0	38.7	35.4	32.1	28.8	25.5	22.2	18.9	15.8	12.8



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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°	437.0	453.5	448.6	443.6	448.6	453.5	437.0	420.6	404.1	387.6	374.5
87.5°	9.7	6.6	4.1	1.6	4.1	6.6	9.7	12.8	15.8	18.9	22.2
85°	8.9	5.8	3.7	1.6	3.7	5.8	8.9	12.0	15.1	18.2	21.7
82.5°	9.5	6.6	4.1	1.6	4.1	6.6	9.5	12.4	15.3	18.3	21.8
80°	9.0	5.9	3.7	1.6	3.7	5.9	9.0	12.2	15.3	18.4	22.0
77.5°	9.1	5.9	3.4	0.8	3.4	5.9	9.1	12.2	15.4	18.6	22.2
75°	9.2	6.0	3.4	0.8	3.4	6.0	9.2	12.4	15.5	18.8	22.4
72.5°	9.9	6.9	4.6	2.5	4.6	6.9	9.9	12.9	15.9	19.0	22.5
70°	9.5	6.2	3.5	0.8	3.5	6.2	9.5	12.8	16.0	19.3	22.8
67.5°	9.6	6.3	3.5	0.8	3.5	6.3	9.6	12.9	16.2	19.6	23.2
65°	9.8	6.4	3.6	0.8	3.6	6.4	9.8	13.2	16.6	20.0	23.6
62.5°	10.0	6.6	3.6	0.8	3.6	6.6	10.0	13.5	16.9	20.5	24.1
60°	10.3	6.7	3.7	0.8	3.7	6.7	10.3	13.8	17.3	21.0	24.7
57.5°	10.6	6.9	3.4	0.0	3.4	6.9	10.6	14.2	17.8	21.6	25.4
55°	10.9	7.1	3.5	0.0	3.5	7.1	10.9	14.6	18.3	22.2	26.1
52.5°	11.2	7.4	3.9	0.8	3.9	7.4	11.2	15.1	18.9	22.9	26.9
50°	11.6	7.7	4.1	0.8	4.1	7.7	11.6	15.6	19.7	23.9	27.9
47.5°	12.1	8.0	3.9	0.0	3.9	8.0	12.1	16.2	20.5	24.9	29.5
45°	12.6	8.3	4.3	0.8	4.3	8.3	12.6	16.9	21.4	25.8	30.0
42.5°	13.2	8.7	4.3	0.0	4.3	8.7	13.2	17.6	22.4	27.3	32.0
40°	13.9	9.2	4.7	0.8	4.7	9.2	13.9	18.5	23.4	28.2	33.0
37.5°	14.7	9.7	4.9	0.8	4.9	9.7	14.7	19.7	24.8	29.7	34.6
35°	16.0	10.6	5.2	0.8	5.2	10.6	16.0	21.6	27.1	32.1	37.4
32.5°	20.5	14.0	6.9	0.8	6.9	14.0	20.5	26.5	31.7	36.8	42.1
30°	24.0	16.6	9.0	0.0	9.0	16.6	24.0	32.4	40.2	45.4	49.6
27.5°	23.6	14.9	6.5	2.5	6.5	14.9	23.6	33.4	44.6	51.1	58.1
25°	20.8	13.2	6.0	0.0	6.0	13.2	20.8	29.3	39.5	50.6	61.2
22.5°	23.2	18.3	13.3	9.9	13.3	18.3	23.2	27.2	35.4	46.9	61.1
20°	31.5	25.8	20.0	16.5	20.0	25.8	31.5	36.7	42.3	48.2	62.8
17.5°	47.5	41.0	35.1	30.5	35.1	41.0	47.5	50.2	58.0	62.8	72.5
15°	83.8	76.5	67.9	60.9	67.9	76.5	83.8	87.8	96.2	99.2	108.1
12.5°	158.8	144.9	132.4	118.1	132.4	144.9	158.8	180.3	180.9	205.6	244.8
10°	3932.2	3597.3	3973.3	851.0	3973.3	3597.3	3932.2	1917.5	3251.6	3805.1	1867.8
7.5°	60905.0	84080.3	91065.6	88579.0	91065.6	84080.3	60905.0	48309.3	34773.1	27884.3	16769.5
5°	152790.2	189101.6	208192.2	209885.7	208192.2	189101.6	152790.2	120740.2	88492.4	61984.8	43247.7
2.5°	228788.9	266810.5	290662.8	301974.8	290662.8	266810.5	228788.9	181366.6	137094.5	98761.3	69365.7
0°	323867.7	368500.3	403457.3	420342.6	403457.3	368500.3	323867.7	264122.1	202708.6	147263.7	104084.4
-2.5°	368133.7	426634.2	456737.4	468640.5	456737.4	426634.2	368133.7	297181.5	225180.0	163947.9	112930.0
-5°	346038.6	398025.8	427439.6	439545.0	427439.6	398025.8	346038.6	287143.9	221471.8	163995.0	111202.5
-7.5°	334914.4	379516.2	403838.9	411861.5	403838.9	379516.2	334914.4	278558.6	218071.2	160218.3	109966.1
-10°	324841.9	367064.2	392541.0	401409.2	392541.0	367064.2	324841.9	271822.9	212549.6	155856.3	104189.6
-12.5°	310877.0	351687.4	376949.6	387002.8	376949.6	351687.4	310877.0	258123.6	202409.0	144139.5	94890.4
-15°	288630.0	330102.0	355443.8	365534.2	355443.8	330102.0	288630.0	236919.4	181305.8	128553.0	85192.9
-17.5°	255312.7	298706.2	323660.2	333896.0	323660.2	298706.2	255312.7	206845.9	159103.4	112979.9	75868.4
-20°	219895.7	257873.2	280581.0	289828.0	280581.0	257873.2	219895.7	178132.1	137712.0	99519.9	69528.8



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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°	190249.9	219644.3	239971.3	248303.0	239971.3	219644.3	190249.9	155209.5	120685.9	88774.5	63806.4
-25°	165893.7	189700.5	207385.2	212710.3	207385.2	189700.5	165893.7	135577.0	106031.1	79665.1	57147.0
-27.5°	142676.8	162031.9	178483.4	184462.1	178483.4	162031.9	142676.8	116799.5	91557.0	69759.2	50273.1
-30°	118479.4	133493.5	146894.9	151600.9	146894.9	133493.5	118479.4	97427.4	76556.1	59312.7	44459.8
-32.5°	94465.7	106523.4	117046.6	120129.9	117046.6	106523.4	94465.7	79270.4	63529.0	49786.1	38510.5
-35°	74467.2	83356.7	90823.7	93148.3	90823.7	83356.7	74467.2	63865.5	52086.8	41166.5	33149.5
-37.5°	58415.4	64840.2	69919.2	71363.2	69919.2	64840.2	58415.4	51088.8	42582.0	34721.4	28506.7
-40°	45472.2	49900.7	53236.4	54252.8	53236.4	49900.7	45472.2	40684.2	34729.6	28989.5	24258.0
-42.5°	35995.1	39118.6	41468.0	42459.1	41468.0	39118.6	35995.1	32746.0	28623.1	24554.9	20880.1
-45°	28852.3	30894.5	32358.9	33053.7	32358.9	30894.5	28852.3	26653.5	23820.9	20821.2	17956.4
-47.5°	23542.9	25133.6	26082.0	26286.1	26082.0	25133.6	23542.9	21847.2	19755.0	17319.1	14856.8
-50°	19105.6	20201.4	20819.2	20967.0	20819.2	20201.4	19105.6	17945.5	16524.3	14714.4	12957.8
-52.5°	15868.4	16629.7	17082.0	17284.9	17082.0	16629.7	15868.4	15029.3	14019.4	12591.2	11192.3
-55°	13278.1	13933.3	14327.4	14536.0	14327.4	13933.3	13278.1	12574.7	11817.0	10706.7	9602.9
-57.5°	11009.7	11524.3	11792.5	11914.7	11792.5	11524.3	11009.7	10444.6	9833.6	8983.1	8141.7
-60°	8923.6	9338.3	9497.2	9527.2	9497.2	9338.3	8923.6	8488.5	8044.4	7484.4	6883.0
-62.5°	7255.7	7498.8	7610.5	7662.2	7610.5	7498.8	7255.7	6984.7	6687.4	6259.5	5768.0
-65°	5905.9	6114.8	6159.6	6145.4	6159.6	6114.8	5905.9	5674.8	5423.6	5093.7	4702.2
-67.5°	4639.4	4805.4	4834.6	4820.4	4834.6	4805.4	4639.4	4455.5	4255.3	4003.9	3697.2
-70°	3497.5	3612.9	3649.1	3663.2	3649.1	3612.9	3497.5	3370.5	3232.6	3061.7	2838.9
-72.5°	2723.3	2821.8	2863.3	2890.4	2863.3	2821.8	2723.3	2616.9	2503.6	2367.9	2183.2
-75°	2040.6	2114.0	2121.3	2116.8	2121.3	2114.0	2040.6	1960.8	1875.1	1774.6	1633.0
-77.5°	1442.8	1496.5	1507.4	1512.7	1507.4	1496.5	1442.8	1386.0	1326.6	1261.1	1171.5
-80°	1074.7	1114.2	1115.9	1114.4	1115.9	1114.2	1074.7	1033.6	991.2	946.0	883.0
-82.5°	821.4	850.0	855.3	859.2	855.3	850.0	821.4	791.9	761.6	730.1	685.8
-85°	645.5	668.0	672.1	675.7	672.1	668.0	645.5	622.6	599.3	575.5	544.9
-87.5°	522.1	542.0	542.7	543.2	542.7	542.0	522.1	502.0	481.8	461.5	443.1
-90°	9.7	6.6	4.1	1.6	4.1	6.6	9.7	12.8	15.8	18.9	22.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	361.3	348.2	335.0	324.9	314.8	304.7	294.6	287.2	279.8	272.4	265.0
87.5°	25.5	28.8	32.1	35.4	38.7	42.0	45.3	48.6	51.9	55.2	58.4
85°	25.2	28.7	32.2	35.5	38.8	42.1	45.4	48.7	52.0	55.3	58.5
82.5°	25.3	28.8	32.3	35.7	39.0	42.3	45.6	48.9	52.2	55.4	58.7
80°	25.5	29.0	32.5	35.9	39.2	42.5	45.8	49.1	52.4	55.7	58.9
77.5°	25.7	29.3	32.8	36.1	39.5	42.8	46.1	49.4	52.7	56.0	59.3
75°	26.0	29.6	33.1	36.5	39.8	43.2	46.5	49.8	53.1	56.4	59.6
72.5°	26.1	29.7	33.3	36.8	40.3	43.6	47.0	50.3	53.6	56.9	60.1
70°	26.2	29.7	33.2	36.9	40.5	44.1	47.5	50.8	54.2	57.5	60.5
67.5°	26.7	30.2	33.8	37.5	41.1	44.7	48.1	51.5	54.8	58.1	61.1
65°	27.2	30.7	34.4	38.1	41.8	45.4	48.8	52.2	55.5	58.8	61.9
62.5°	27.7	31.3	35.1	38.9	42.6	46.2	49.6	53.0	56.3	59.6	62.6
60°	28.4	32.1	35.9	39.7	43.5	47.1	50.5	53.9	57.2	60.4	63.5
57.5°	29.1	32.9	36.8	40.7	44.5	48.0	51.5	54.9	58.2	61.3	64.4
55°	29.9	33.9	37.8	41.7	45.5	49.1	52.5	55.9	59.3	62.4	65.4
52.5°	30.8	34.9	38.9	42.9	46.7	50.2	53.7	57.1	60.4	63.5	66.6
50°	31.9	36.1	40.2	44.2	47.9	51.5	55.0	58.5	61.6	64.7	67.8
47.5°	33.6	37.6	41.6	45.6	49.3	52.9	56.5	59.8	63.0	66.1	69.1
45°	34.6	39.1	43.2	47.1	50.8	54.5	58.0	61.3	64.5	67.5	70.5
42.5°	36.2	40.5	44.8	48.7	52.5	56.2	59.7	62.9	66.0	69.1	71.8
40°	37.9	42.4	46.6	50.6	54.4	58.1	61.4	64.7	67.8	70.7	73.1
37.5°	39.5	44.2	48.7	53.0	56.7	60.1	63.4	66.6	69.6	72.3	74.6
35°	41.9	46.6	51.2	55.4	59.5	62.8	65.8	68.7	71.5	74.2	76.4
32.5°	46.2	50.7	54.5	58.6	62.1	65.7	68.7	71.4	73.6	76.1	78.4
30°	53.4	56.6	59.9	63.2	66.5	68.7	71.8	74.1	76.1	78.1	80.5
27.5°	61.7	64.1	66.6	68.7	72.5	73.9	75.0	77.2	78.9	80.6	82.5
25°	67.9	72.5	73.9	74.9	77.1	80.2	79.2	80.5	82.0	83.2	84.9
22.5°	71.5	80.2	83.8	82.1	82.7	84.1	84.4	84.2	85.7	86.8	87.8
20°	77.8	91.4	95.7	97.0	92.2	88.9	89.1	90.7	91.5	91.2	91.0
17.5°	89.4	101.3	121.1	123.3	110.2	98.8	105.0	104.9	99.2	96.1	94.6
15°	111.4	136.9	155.1	157.1	155.8	148.2	134.8	124.5	110.0	102.5	108.8
12.5°	232.0	196.7	212.0	314.7	280.5	227.0	181.7	151.4	151.7	167.1	166.1
10°	657.6	1664.8	1295.9	766.0	478.9	331.9	365.7	348.0	313.2	271.7	234.0
7.5°	11444.8	6967.3	3361.3	1752.0	1361.1	1142.6	876.3	639.4	497.1	388.6	309.5
5°	27054.8	14305.7	7049.8	4144.3	2892.8	2137.1	1458.9	959.5	694.6	512.8	393.2
2.5°	41073.9	22060.0	10963.6	6722.6	4689.7	3522.7	2479.4	1787.5	1451.7	1208.2	1010.5
0°	63617.9	37333.4	18358.1	10223.4	7361.8	5747.9	4088.7	3036.9	2466.6	2016.4	1630.4
-2.5°	70066.1	39315.0	20047.9	12406.7	9045.5	7081.5	5406.4	4087.4	3174.1	2552.9	2098.0
-5°	67926.3	38637.9	21467.9	13945.7	10508.1	8241.5	6432.9	4981.8	3873.2	3097.8	2549.8
-7.5°	67301.8	38066.6	22189.2	15128.1	11699.3	9193.1	7217.9	5718.1	4605.6	3785.8	3152.0
-10°	62075.8	36643.7	23151.1	16413.8	12629.7	9918.5	7874.7	6387.4	5286.5	4427.6	3705.2
-12.5°	59140.7	35711.4	22881.2	16882.6	13185.8	10496.9	8443.1	6972.2	5912.0	5015.5	4194.8
-15°	52956.6	35185.0	24283.7	17571.7	13532.5	10926.3	8885.4	7378.3	6332.1	5487.3	4609.5
-17.5°	51125.3	33916.6	23999.7	17846.8	13945.4	11224.9	9229.7	7739.4	6655.9	5746.8	4776.4
-20°	46859.6	33066.0	23617.3	17666.2	14003.0	11404.0	9419.9	7971.2	6916.8	5853.1	4774.2



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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°	43707.5	31165.5	22915.1	17194.9	13856.4	11539.4	9685.9	8223.6	7100.6	5818.6	4677.9
-25°	41155.5	28724.3	21640.8	17138.8	13780.0	11507.9	9850.2	8513.0	7098.5	5646.4	4505.0
-27.5°	37213.8	27079.8	20465.9	16565.7	13631.8	11551.7	9981.0	8618.6	6951.9	5487.1	4389.7
-30°	32734.0	25212.9	19629.2	15721.3	13384.2	11507.5	10053.6	8289.8	6661.5	5281.4	4339.6
-32.5°	28717.8	22925.5	18409.4	15174.9	12995.5	11393.2	9580.4	7791.4	6223.7	5184.7	4259.2
-35°	26030.2	20664.3	17191.3	14590.4	12602.9	10723.1	8891.5	7190.6	5984.3	5030.7	4120.5
-37.5°	23122.4	18691.5	15953.4	13768.9	11693.1	9788.4	8049.9	6782.1	5769.1	4811.1	3967.2
-40°	20464.1	17117.3	14501.9	12477.5	10520.5	8682.5	7500.1	6475.2	5470.0	4557.0	3776.1
-42.5°	17998.7	15326.4	12869.7	10921.7	9273.7	8125.7	7067.4	6053.5	5121.2	4288.4	3574.0
-45°	15437.4	13139.1	11085.2	9741.6	8612.4	7542.2	6513.2	5588.5	4739.9	4010.3	3337.1
-47.5°	12957.1	11471.4	10096.2	8874.9	7849.8	6864.0	5943.1	5088.0	4381.6	3710.4	3101.0
-50°	11361.8	10161.6	9026.6	7979.3	7052.4	6169.5	5379.6	4659.8	4009.5	3404.1	2850.3
-52.5°	9856.6	8869.4	7944.3	7056.6	6272.2	5543.7	4851.1	4220.9	3626.9	3096.4	2613.9
-55°	8519.8	7678.9	6950.1	6236.2	5552.2	4928.4	4327.9	3769.0	3262.3	2786.4	2356.9
-57.5°	7351.1	6661.3	6046.8	5444.9	4860.3	4315.9	3804.5	3322.2	2879.5	2460.8	2077.9
-60°	6278.1	5688.3	5180.2	4676.1	4178.7	3704.9	3284.7	2874.8	2477.1	2137.2	1810.4
-62.5°	5278.1	4795.6	4357.8	3936.9	3533.7	3150.2	2782.9	2444.4	2127.4	1826.6	1530.6
-65°	4306.4	3909.9	3551.3	3225.2	2910.2	2608.1	2305.9	2019.6	1748.9	1492.8	1238.7
-67.5°	3387.2	3077.0	2798.2	2545.1	2302.9	2055.4	1807.5	1570.6	1369.4	1177.4	983.7
-70°	2607.0	2366.9	2142.7	1932.4	1740.3	1562.0	1390.8	1220.8	1048.4	894.6	762.7
-72.5°	1996.5	1809.0	1636.8	1485.4	1333.1	1191.8	1057.8	928.0	801.0	677.6	578.7
-75°	1491.3	1350.6	1219.2	1104.9	991.0	878.3	783.5	699.0	617.1	538.5	469.6
-77.5°	1081.3	991.1	904.4	829.2	754.6	681.0	609.4	545.4	492.1	442.2	399.7
-80°	819.9	757.1	696.3	644.9	594.0	544.0	495.9	454.4	415.4	381.2	352.8
-82.5°	641.5	597.5	554.5	518.9	483.9	449.7	417.1	391.1	366.2	342.4	320.6
-85°	514.4	484.3	454.8	431.3	408.1	385.3	363.1	346.3	329.8	313.9	298.8
-87.5°	424.6	406.2	387.8	371.8	356.0	340.3	324.9	313.6	302.4	291.4	280.6
-90°	25.5	28.8	32.1	35.4	38.7	42.0	45.3	48.6	51.9	55.1	58.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	260.1	255.2	250.2	245.3	238.1	230.9	223.7	216.5	203.7	190.9	178.2
87.5°	61.5	64.6	67.7	70.8	73.3	75.8	78.2	80.7	82.6	84.4	86.3
85°	61.6	64.6	67.7	70.8	73.3	75.8	78.3	80.8	82.6	84.5	86.3
82.5°	61.6	64.5	67.5	70.5	73.1	75.8	78.4	80.8	82.7	84.5	86.4
80°	62.0	64.9	67.9	70.7	73.2	75.8	78.4	80.9	82.8	84.6	86.4
77.5°	62.3	65.4	68.5	71.3	73.7	76.2	78.7	81.1	82.9	84.7	86.5
75°	62.7	65.8	68.9	71.7	74.2	76.6	79.0	81.3	83.1	84.9	86.7
72.5°	63.2	66.3	69.3	72.1	74.5	76.9	79.3	81.5	83.2	85.0	86.8
70°	63.6	66.7	69.8	72.4	74.9	77.3	79.6	81.7	83.5	85.2	87.0
67.5°	63.9	66.9	70.1	72.8	75.3	77.7	80.0	82.0	83.7	85.4	87.2
65°	64.8	67.6	70.2	73.0	75.6	78.1	80.4	82.2	84.0	85.7	87.4
62.5°	65.7	68.7	71.2	73.5	76.0	78.5	80.9	82.6	84.3	86.0	87.6
60°	66.5	69.6	72.2	74.4	76.6	79.1	81.3	82.9	84.6	86.3	87.9
57.5°	67.5	70.4	72.9	75.2	77.4	79.7	81.7	83.4	85.0	86.6	88.2
55°	68.5	71.3	73.6	75.9	78.2	80.4	82.3	83.9	85.4	86.9	88.4
52.5°	69.5	72.1	74.4	76.7	78.9	81.0	82.8	84.5	86.0	87.3	88.7
50°	70.7	73.0	75.3	77.5	79.7	81.6	83.4	85.1	86.6	87.7	89.0
47.5°	71.7	74.0	76.2	78.4	80.5	82.3	84.0	85.6	87.3	88.4	89.3
45°	72.9	75.1	77.3	79.4	81.3	83.0	84.6	86.2	87.8	88.9	89.7
42.5°	74.3	76.3	78.3	80.4	82.2	83.7	85.3	86.9	88.4	89.5	90.1
40°	75.4	77.8	79.5	81.4	83.1	84.5	86.0	87.5	89.0	90.0	90.6
37.5°	76.6	79.1	81.1	82.5	84.2	85.5	86.8	88.2	89.5	90.5	91.0
35°	78.3	80.2	82.6	83.9	85.3	86.5	87.6	88.9	90.2	91.0	91.5
32.5°	80.1	81.5	83.6	85.3	86.6	87.7	88.5	89.8	90.9	91.6	91.9
30°	82.1	83.3	84.8	86.6	87.9	88.9	89.7	90.9	91.7	92.3	92.4
27.5°	84.2	85.2	86.1	87.8	89.2	90.2	91.3	92.0	92.6	93.0	92.9
25°	86.5	87.2	87.9	89.1	90.4	92.4	93.0	93.3	93.6	93.8	93.5
22.5°	88.8	89.4	89.8	90.5	93.2	94.7	94.8	94.8	94.7	94.5	94.2
20°	91.4	91.7	92.8	95.2	96.6	97.2	96.9	96.4	95.9	95.4	94.8
17.5°	94.2	99.9	102.5	101.5	100.5	100.0	99.0	98.0	97.1	96.2	95.4
15°	118.4	118.1	114.2	109.0	104.9	103.0	101.3	99.6	98.4	97.1	96.8
12.5°	154.3	140.0	127.7	117.5	109.7	106.2	103.6	101.3	99.7	99.3	99.2
10°	195.9	164.6	142.4	126.6	114.7	109.4	106.0	105.1	104.0	102.6	101.5
7.5°	241.5	191.1	158.0	136.2	127.4	124.3	119.5	113.7	108.8	105.9	103.9
5°	370.8	340.2	288.6	223.8	182.6	152.4	135.2	122.7	113.8	109.3	106.3
2.5°	852.7	686.5	498.4	326.3	239.9	181.2	151.2	131.8	118.7	112.7	108.7
0°	1337.4	1035.3	709.4	428.8	297.1	209.9	167.1	140.7	123.5	116.0	111.1
-2.5°	1763.4	1404.8	1047.4	704.5	453.4	306.4	229.7	176.1	142.8	127.3	119.2
-5°	2172.5	1760.6	1370.9	965.5	602.6	399.4	289.9	210.1	161.6	138.5	127.3
-7.5°	2620.5	2095.5	1643.8	1191.0	739.9	486.7	346.1	242.0	179.4	149.3	135.1
-10°	3035.1	2391.8	1838.9	1321.2	860.4	578.8	400.2	270.8	195.9	159.7	142.6
-12.5°	3387.3	2639.8	1999.9	1430.6	967.9	674.0	472.6	315.0	213.4	169.5	149.8
-15°	3665.7	2830.5	2121.2	1517.3	1061.5	758.9	536.9	363.0	247.5	184.5	156.6
-17.5°	3827.5	2955.9	2197.8	1579.8	1140.0	832.1	592.1	404.1	277.4	205.4	166.9
-20°	3810.3	2989.6	2231.7	1616.6	1202.3	892.3	637.0	437.5	302.5	223.8	179.2



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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°	3765.5	2969.5	2253.2	1667.0	1255.0	938.3	670.6	462.3	322.4	239.5	190.3
-25°	3690.7	2920.9	2251.6	1713.0	1300.8	973.4	695.7	477.8	336.4	252.3	199.9
-27.5°	3601.2	2858.2	2228.7	1735.6	1332.2	992.9	711.7	493.8	347.1	261.8	208.0
-30°	3487.7	2809.5	2222.4	1739.9	1342.7	1002.4	714.7	501.8	358.2	270.2	214.4
-32.5°	3410.6	2738.3	2199.2	1734.5	1339.3	998.3	712.2	500.8	364.3	277.4	220.1
-35°	3345.4	2685.3	2149.7	1703.5	1320.7	991.6	710.5	490.8	365.5	282.1	224.7
-37.5°	3230.1	2620.1	2090.2	1655.7	1284.3	973.0	708.1	495.7	361.6	284.2	228.0
-40°	3109.5	2522.7	2014.4	1596.8	1246.2	942.6	695.4	496.8	359.3	283.8	230.0
-42.5°	2944.9	2399.4	1930.1	1521.0	1199.5	916.4	673.6	487.3	360.3	283.4	230.6
-45°	2762.5	2257.3	1829.8	1459.3	1142.3	878.3	649.8	469.4	355.5	282.5	230.9
-47.5°	2557.2	2118.0	1722.2	1376.5	1084.3	829.3	613.0	454.5	344.3	279.8	231.6
-50°	2373.1	1965.0	1602.2	1281.7	1008.2	769.5	568.8	431.4	336.8	274.5	231.3
-52.5°	2179.7	1800.8	1463.8	1168.1	916.2	694.9	529.3	402.0	325.5	270.0	230.1
-55°	1965.1	1613.7	1305.0	1041.7	810.7	627.9	480.1	382.3	310.6	265.2	228.2
-57.5°	1736.0	1406.1	1139.4	903.9	713.3	556.4	439.8	358.2	300.0	259.0	226.3
-60°	1496.4	1210.4	964.8	779.3	618.9	492.7	404.0	334.9	289.6	251.9	222.6
-62.5°	1254.7	1008.7	817.5	658.5	534.5	439.7	367.4	319.2	277.5	245.8	218.0
-65°	1026.6	835.5	670.0	556.7	459.8	388.0	344.5	301.6	267.9	239.0	213.2
-67.5°	807.1	674.4	552.9	457.0	399.1	355.2	318.5	287.7	258.4	231.4	209.2
-70°	642.2	530.7	450.7	397.6	355.5	322.0	300.3	275.0	248.0	226.2	204.9
-72.5°	509.0	444.9	386.9	343.7	323.1	302.9	283.3	262.6	241.4	220.6	200.2
-75°	414.6	377.2	345.0	319.6	301.2	283.8	270.2	254.6	234.5	214.7	196.9
-77.5°	369.6	341.7	316.2	297.7	285.0	272.5	260.0	246.2	228.0	210.8	193.9
-80°	333.5	315.4	298.6	283.7	272.2	260.9	250.9	240.0	223.4	206.9	190.6
-82.5°	306.4	294.1	282.6	271.8	262.5	253.2	244.0	234.4	218.5	202.8	187.4
-85°	289.2	279.9	270.9	262.3	253.9	245.4	237.1	228.5	213.7	199.0	184.5
-87.5°	273.8	267.0	260.3	253.7	246.0	238.2	230.5	222.6	208.8	195.1	181.4
-90°	61.5	64.6	67.7	70.8	73.3	75.8	78.2	80.7	82.6	84.4	86.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	165.4	150.6	135.8	121.0	106.2	100.8	95.5
87.5°	88.1	89.4	90.6	91.9	93.1	94.3	95.5
85°	88.1	89.4	90.7	91.9	93.1	94.3	95.5
82.5°	88.2	89.5	90.8	92.0	93.2	94.3	95.5
80°	88.2	89.6	90.9	92.1	93.3	94.3	95.5
77.5°	88.3	89.7	91.0	92.3	93.4	94.4	95.5
75°	88.4	89.7	91.1	92.4	93.5	94.4	95.5
72.5°	88.4	89.7	91.1	92.5	93.6	94.4	95.5
70°	88.5	89.8	91.1	92.6	93.7	94.5	95.5
67.5°	88.7	89.8	91.1	92.6	93.8	94.5	95.5
65°	88.8	89.9	91.2	92.6	93.8	94.5	95.5
62.5°	89.0	90.1	91.2	92.6	93.9	94.6	95.5
60°	89.2	90.3	91.2	92.6	94.0	94.6	95.5
57.5°	89.4	90.5	91.4	92.6	94.0	94.6	95.5
55°	89.6	90.7	91.6	92.6	94.0	94.7	95.5
52.5°	89.8	91.0	91.8	92.7	94.0	94.7	95.5
50°	90.0	91.2	92.0	92.7	94.0	94.7	95.5
47.5°	90.3	91.4	92.2	92.8	94.0	94.8	95.5
45°	90.6	91.6	92.5	92.9	94.1	94.8	95.5
42.5°	91.0	91.8	92.7	93.1	94.1	94.9	95.5
40°	91.3	92.0	93.0	93.3	94.1	94.9	95.5
37.5°	91.7	92.3	93.2	93.5	94.2	94.9	95.5
35°	92.1	92.6	93.4	93.8	94.2	95.0	95.5
32.5°	92.5	92.9	93.6	94.0	94.3	95.0	95.5
30°	92.9	93.3	93.8	94.2	94.4	95.0	95.5
27.5°	93.3	93.6	94.2	94.4	94.4	95.1	95.5
25°	93.7	94.0	94.6	94.7	94.5	95.1	95.5
22.5°	94.1	94.5	95.1	94.9	94.6	95.2	95.5
20°	94.5	95.5	95.6	95.2	94.7	95.2	95.5
17.5°	95.5	96.4	96.2	95.4	94.8	95.2	95.5
15°	97.0	97.4	96.7	95.7	94.9	95.3	95.5
12.5°	98.6	98.5	97.3	95.9	95.0	95.3	95.5
10°	100.2	99.5	98.0	96.2	95.1	95.4	95.5
7.5°	101.9	100.6	98.6	96.4	95.2	95.4	95.5
5°	103.6	101.6	99.2	96.6	95.3	95.4	95.5
2.5°	105.3	102.7	99.8	96.9	95.4	95.5	95.5
0°	107.0	103.7	100.4	97.1	95.5	95.5	95.5
-2.5°	112.8	107.3	102.4	98.5	96.3	95.8	95.5
-5°	118.5	110.9	104.4	99.8	97.0	96.1	95.5
-7.5°	124.1	114.3	106.4	101.1	97.8	96.4	95.5
-10°	129.4	117.6	108.2	102.4	98.5	96.7	95.5
-12.5°	134.4	120.7	110.1	103.6	99.2	97.0	95.5
-15°	139.1	123.6	111.8	104.8	99.9	97.3	95.5
-17.5°	143.4	126.3	113.5	106.0	100.6	97.6	95.5
-20°	148.9	128.6	115.1	107.1	101.3	97.9	95.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	156.4	130.7	116.6	108.2	101.9	98.1	95.5
-25°	163.1	134.6	118.0	109.2	102.6	98.4	95.5
-27.5°	169.0	139.1	119.3	110.1	103.2	98.6	95.5
-30°	174.2	143.1	120.8	111.0	103.7	98.9	95.5
-32.5°	178.4	146.7	123.9	111.8	104.3	99.1	95.5
-35°	182.3	149.9	126.8	112.5	104.8	99.3	95.5
-37.5°	185.8	152.8	129.3	113.1	105.2	99.6	95.5
-40°	188.6	155.9	131.6	113.7	105.6	99.8	95.5
-42.5°	190.7	158.4	133.6	114.5	106.0	99.9	95.5
-45°	192.1	160.5	135.5	115.8	106.4	100.1	95.5
-47.5°	192.8	162.0	137.0	117.1	106.7	100.3	95.5
-50°	193.6	163.0	138.3	118.2	107.0	100.4	95.5
-52.5°	193.9	163.6	139.3	119.3	107.2	100.5	95.5
-55°	193.5	164.1	140.0	120.3	107.4	100.7	95.5
-57.5°	192.5	164.3	140.4	121.1	107.5	100.8	95.5
-60°	190.9	164.0	140.6	121.8	107.6	100.8	95.5
-62.5°	189.5	163.4	141.1	122.3	107.7	100.9	95.5
-65°	187.7	162.4	141.4	122.7	107.7	101.0	95.5
-67.5°	185.3	161.6	141.4	123.0	107.7	101.0	95.5
-70°	182.5	161.0	141.3	123.1	107.7	101.1	95.5
-72.5°	180.8	160.2	141.0	123.2	107.6	101.1	95.5
-75°	178.9	159.1	140.4	123.2	107.5	101.1	95.5
-77.5°	176.7	157.7	140.0	123.1	107.3	101.1	95.5
-80°	174.3	156.5	139.4	122.9	107.2	101.1	95.5
-82.5°	172.3	155.3	138.7	122.5	107.0	101.0	95.5
-85°	170.2	153.9	137.9	122.1	106.7	101.0	95.5
-87.5°	167.9	152.3	136.9	121.6	106.5	100.9	95.5
-90°	88.1	89.3	90.6	91.8	93.0	94.3	95.5

(END OF REPORT)