

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: P1212222 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-4S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212222 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-57-90-4S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 90 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

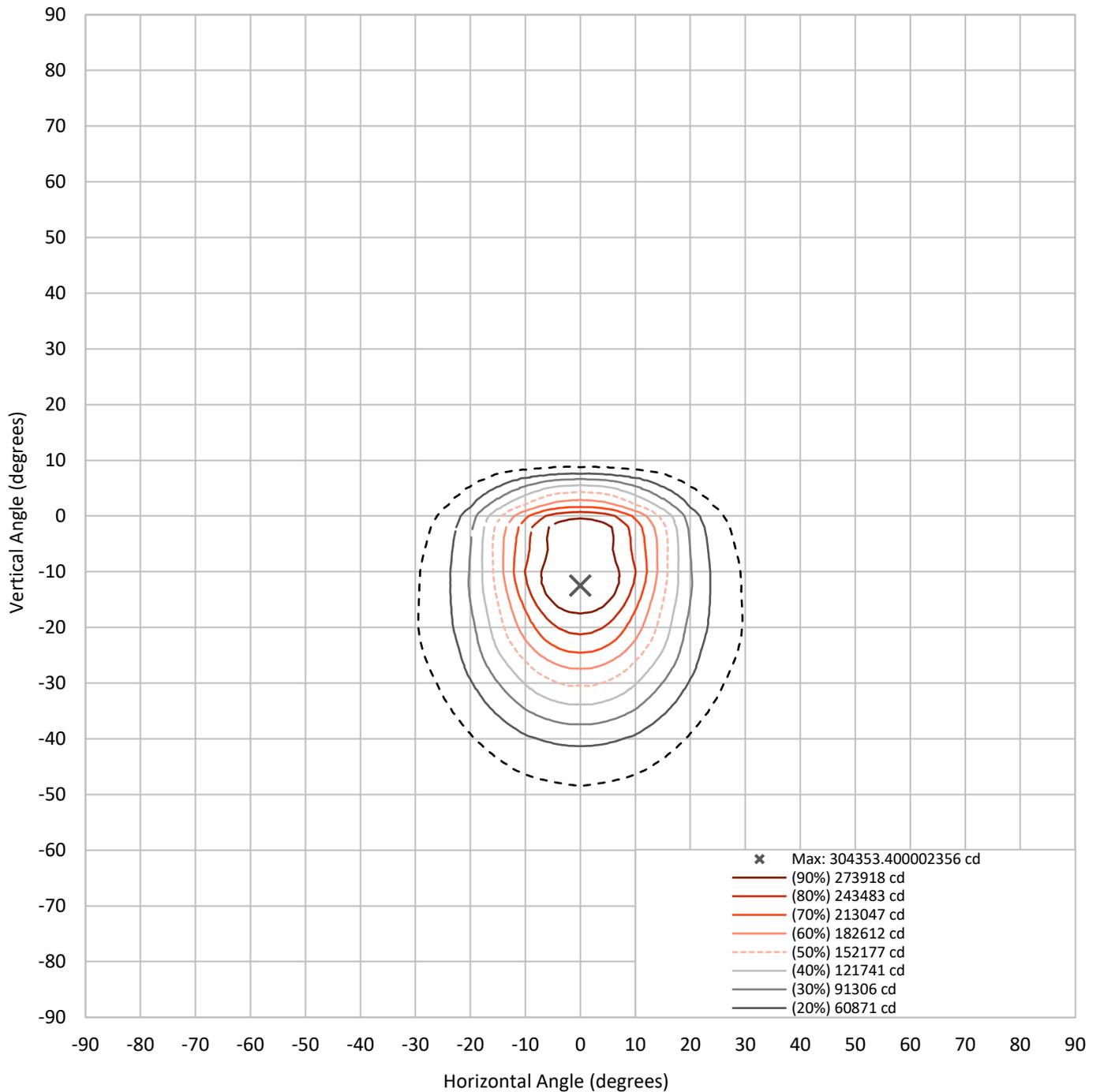
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	114917 lumens	Max Intensity:	304353.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	110.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	61665.8 lumens	Field Lumens:	102443.4 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%

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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### Iso-Candela Plot





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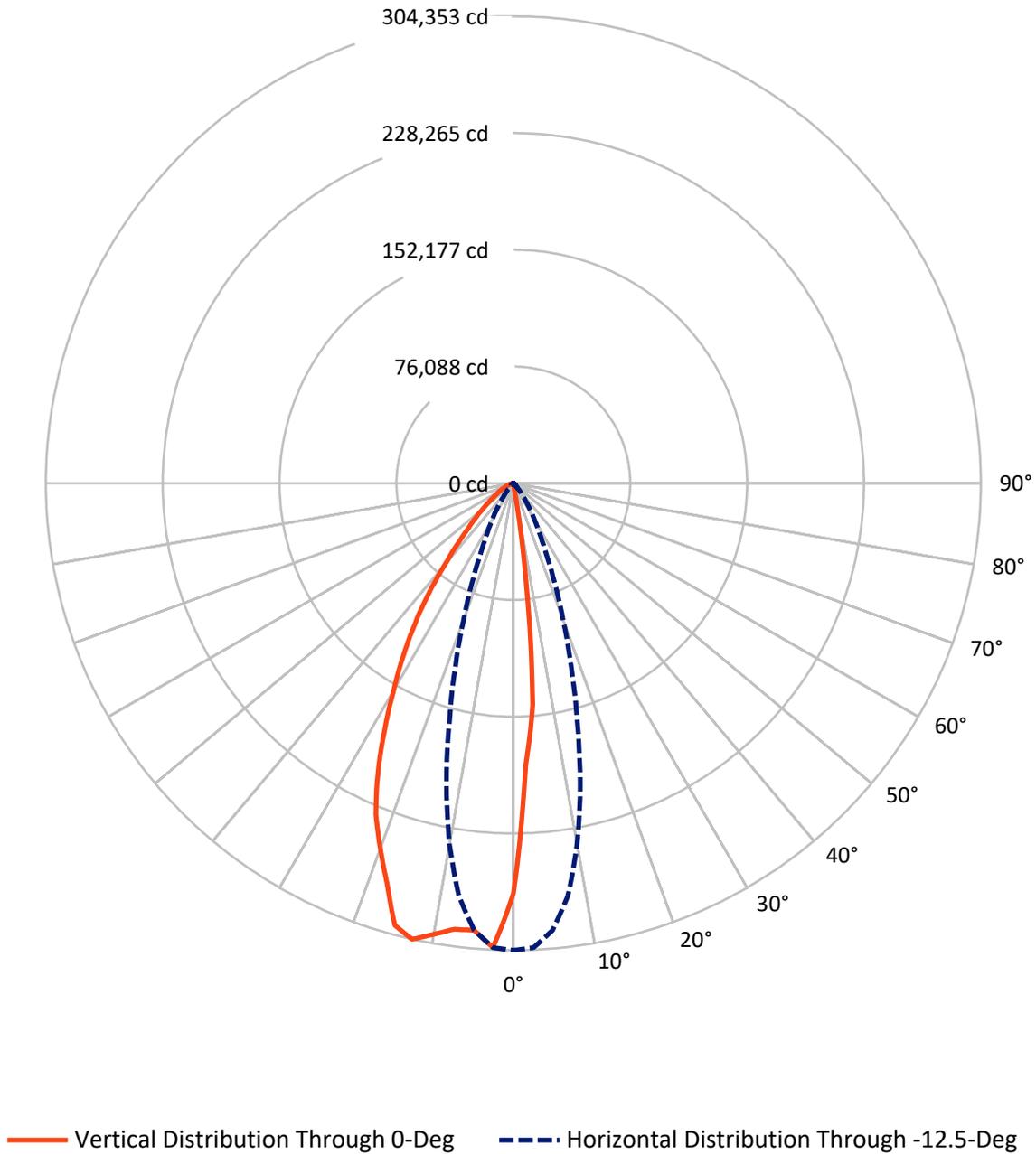
### Lumen Table

90	2.0		5.1		6.0		5.0		3.6		5.0		6.0		5.1		2.0	
80	2.0		5.1		6.0		5.0		3.6		5.0		6.0		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		
60		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			
50	2.0	1.1	1.4	1.5	1.4	1.2	0.7	0.2	0.2	0.7	1.2	1.4	1.5	1.4	1.1	2.0		
40		1.2	1.5	1.7	1.7	1.4	1.0	0.4	0.4	1.0	1.4	1.7	1.7	1.5	1.2			
30	2.1	1.3	1.6	1.9	2.1	2.0	1.4	0.5	0.5	1.4	2.0	2.1	1.9	1.6	1.3	2.1		
20		1.4	2.1	3.2	4.4	10.0	18.3	17.5	17.5	18.3	10.0	4.4	3.2	2.1	1.4			
10	2.6	1.8	4.4	13.3	80.7	482.4	1964.5	3633.6	3633.6	1964.5	482.4	80.7	13.3	4.4	1.8	2.6		
0		3.2	12.9	45.2	292.4	1367.1	4783.1	8292.1	8292.1	4783.1	1367.1	292.4	45.2	12.9	3.2			
-10	3.3	5.3	22.3	68.6	374.4	1493.3	4559.7	8099.7	8099.7	4559.7	1493.3	374.4	68.6	22.3	5.3	3.3		
-20		6.8	27.7	76.2	318.6	1244.9	3421.5	5809.5	5809.5	3421.5	1244.9	318.6	76.2	27.7	6.8			
-30	3.9	7.2	28.7	75.6	217.2	733.1	1925.5	3171.8	3171.8	1925.5	733.1	217.2	75.6	28.7	7.2	3.9		
-40		6.4	25.0	66.5	150.5	371.5	816.9	1241.0	1241.0	816.9	371.5	150.5	66.5	25.0	6.4			
-50	3.8	5.2	17.0	47.2	101.8	198.8	351.5	477.2	477.2	351.5	198.8	101.8	47.2	17.0	5.2	3.8		
-60		4.0	9.6	24.7	52.5	94.5	151.1	192.0	192.0	151.1	94.5	52.5	24.7	9.6	4.0			
-70	3.3	5.2	17.0	47.2	101.8	198.8	351.5	477.2	477.2	351.5	198.8	101.8	47.2	17.0	5.2	3.3		
-80		4.0	9.6	24.7	52.5	94.5	151.1	192.0	192.0	151.1	94.5	52.5	24.7	9.6	4.0			
-90	3.3		15.7		44.5		109.5		158.2		109.5		44.5		15.7		3.3	

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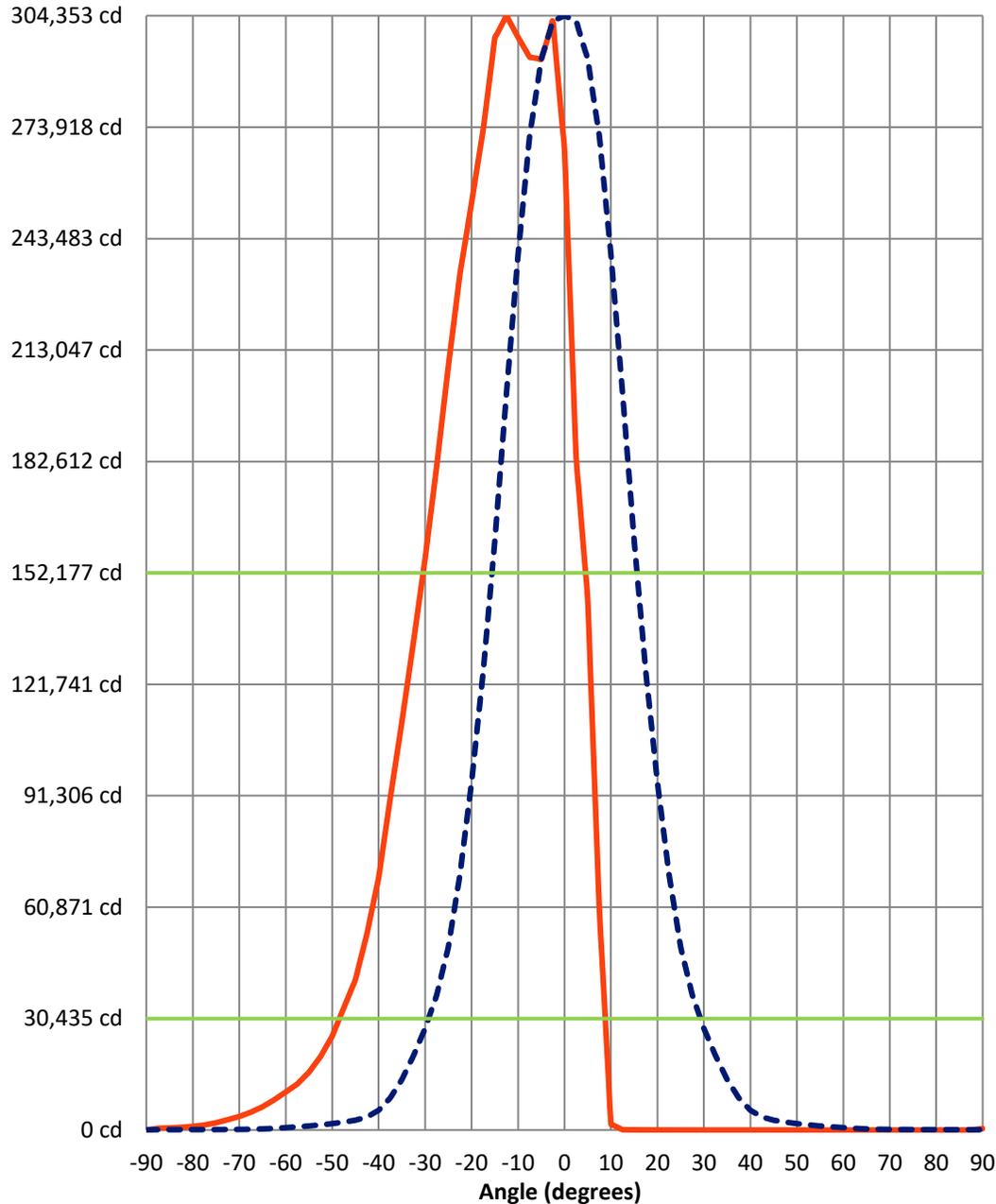
CATALOG NUMBER: EPH-LS12-1000R-57-90-4S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 31.2°  
 V Angle: 35°  
 Lumens: 61665.8  
 Efficiency: 53.7%

**Field:**  
 H Angle: 58.5°  
 V Angle: 57.2°  
 Lumens: 102443.4  
 Efficiency: 89.1%

**Spill:**  
 Lumens: 12473.6  
 Efficiency: 10.9%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -12.5-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°	100.1	108.8	117.6	127.8	138.0	148.2	158.4	171.1	183.8	196.6	209.3
87.5°	100.1	98.1	95.9	94.4	93.0	91.5	90.0	87.9	85.9	83.8	81.7
85°	100.1	98.1	95.9	94.4	93.0	91.5	90.0	88.0	85.9	83.8	81.8
82.5°	100.1	98.2	95.9	94.5	93.0	91.5	90.1	88.0	86.0	84.0	81.9
80°	100.1	98.3	96.0	94.5	93.0	91.6	90.2	88.3	86.3	84.2	82.0
77.5°	100.1	98.3	96.0	94.5	93.1	91.7	90.4	88.6	86.6	84.4	82.2
75°	100.1	98.4	96.1	94.6	93.2	91.9	90.7	89.0	86.9	84.6	82.4
72.5°	100.1	98.5	96.2	94.6	93.3	92.1	91.1	89.3	87.1	84.9	82.6
70°	100.1	98.6	96.3	94.7	93.4	92.3	91.3	89.5	87.3	85.1	82.9
67.5°	100.1	98.7	96.4	94.8	93.6	92.6	91.4	89.8	87.6	85.4	83.3
65°	100.1	98.8	96.5	94.9	93.7	92.7	91.6	90.0	87.9	85.8	83.6
62.5°	100.1	98.9	96.6	95.0	93.9	92.8	91.7	90.3	88.2	86.1	84.0
60°	100.1	99.0	96.8	95.1	94.1	93.0	91.9	90.6	88.6	86.5	84.5
57.5°	100.1	99.1	97.0	95.2	94.2	93.1	92.1	91.0	89.0	87.0	84.9
55°	100.1	99.2	97.2	95.3	94.3	93.3	92.3	91.2	89.4	87.5	85.5
52.5°	100.1	99.4	97.4	95.4	94.4	93.4	92.5	91.5	89.9	88.0	86.0
50°	100.1	99.5	97.7	95.5	94.6	93.7	92.8	91.8	90.4	88.5	86.6
47.5°	100.1	99.6	98.0	95.6	94.7	93.9	93.1	92.2	90.9	89.1	87.2
45°	100.1	99.8	98.3	95.7	94.8	94.2	93.5	92.7	91.4	89.7	87.9
42.5°	100.1	99.9	98.6	95.9	95.0	94.5	94.0	93.2	92.0	90.3	88.9
40°	100.1	100.0	98.9	96.2	95.2	94.8	94.4	93.8	92.6	91.0	90.1
37.5°	100.1	100.2	99.3	96.8	95.5	95.1	94.9	94.4	93.5	92.1	91.3
35°	100.1	100.4	99.6	97.4	95.7	95.5	95.5	95.0	94.4	93.5	92.5
32.5°	100.1	100.5	100.0	98.1	96.0	95.9	96.1	95.7	95.4	95.0	93.7
30°	100.1	100.7	100.4	98.7	96.2	96.4	96.7	96.5	96.6	96.6	95.2
27.5°	100.1	100.8	100.9	99.4	97.4	96.9	97.3	97.5	97.9	98.3	96.9
25°	100.1	101.0	101.3	100.2	98.7	97.4	97.9	98.5	99.3	99.9	98.8
22.5°	100.1	101.2	101.8	100.9	100.1	98.3	98.6	99.6	100.8	101.5	101.2
20°	100.1	101.3	102.2	101.7	101.5	100.5	99.3	100.7	102.2	103.3	103.8
17.5°	100.1	101.5	102.7	102.5	103.1	102.8	101.4	101.8	103.7	105.1	106.5
15°	100.1	101.7	103.1	103.4	104.6	105.0	104.6	104.3	105.2	107.1	109.3
12.5°	100.1	101.8	103.6	104.2	106.2	107.4	107.8	108.6	109.0	109.1	112.2
10°	100.1	102.0	104.1	105.0	107.8	109.8	111.1	112.9	114.7	115.8	117.3
7.5°	100.1	102.1	104.5	105.9	109.4	112.1	114.4	117.2	120.4	123.3	127.1
5°	100.1	102.3	105.0	106.7	111.0	114.5	117.7	121.6	126.2	130.9	137.1
2.5°	100.1	102.5	105.5	107.6	112.6	116.9	120.9	125.9	131.9	138.4	147.0
0°	100.1	102.6	105.9	108.4	114.2	119.2	124.2	130.1	137.6	145.9	156.8
-2.5°	100.1	103.0	106.8	110.1	116.6	122.5	128.5	135.7	146.2	161.3	189.2
-5°	100.1	103.4	107.7	111.8	118.9	125.7	132.8	141.2	154.5	176.2	220.3
-7.5°	100.1	103.8	108.6	113.4	121.2	128.9	136.9	146.5	162.5	190.3	249.2
-10°	100.1	104.2	109.4	115.0	123.5	132.0	141.0	151.7	169.9	203.2	274.9
-12.5°	100.1	104.6	110.2	116.5	125.6	134.9	144.9	156.6	176.8	217.7	315.3
-15°	100.1	105.0	111.0	118.0	127.7	137.8	148.6	161.3	189.7	251.2	359.8
-17.5°	100.1	105.3	111.8	119.4	129.6	140.5	152.1	170.5	209.4	280.6	398.9
-20°	100.1	105.7	112.6	120.8	131.5	143.0	157.1	182.4	226.6	305.3	431.7



REPORT NUMBER: P1212222 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-90-4S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	100.1	106.0	113.3	122.0	133.2	145.4	164.4	193.1	241.0	324.7	457.7
-25°	100.1	106.4	114.0	123.2	134.9	149.1	170.9	202.4	252.4	338.4	476.4
-27.5°	100.1	106.7	114.6	124.3	136.4	153.1	176.5	210.2	260.5	348.4	492.3
-30°	100.1	107.0	115.2	125.3	137.9	156.6	181.3	216.3	268.2	357.8	500.0
-32.5°	100.1	107.3	115.8	126.2	140.0	159.7	185.2	221.8	275.2	362.3	498.8
-35°	100.1	107.5	116.3	127.0	141.9	162.3	188.7	226.2	279.8	361.7	488.5
-37.5°	100.1	107.8	116.8	127.6	143.4	164.4	191.6	229.2	281.8	356.0	485.6
-40°	100.1	108.0	117.2	128.2	144.7	166.2	193.8	230.7	281.2	353.1	480.0
-42.5°	100.1	108.3	117.6	128.8	145.8	167.6	195.3	230.7	280.4	352.6	465.9
-45°	100.1	108.5	118.0	129.5	146.7	168.5	196.0	230.3	278.7	347.9	445.8
-47.5°	100.1	108.6	118.3	130.0	147.4	168.9	195.9	230.0	275.1	338.8	434.1
-50°	100.1	108.8	118.6	130.6	148.0	168.8	195.6	228.8	269.8	331.5	416.7
-52.5°	100.1	109.0	118.8	131.2	148.2	168.3	194.6	226.5	265.1	320.7	394.7
-55°	100.1	109.1	118.9	131.6	148.3	168.1	193.1	223.3	260.1	306.7	376.4
-57.5°	100.1	109.2	119.1	132.0	148.2	167.7	190.9	220.1	253.4	295.8	354.0
-60°	100.1	109.3	119.1	132.2	147.8	167.0	188.3	216.0	245.8	284.7	331.8
-62.5°	100.1	109.3	119.2	132.2	147.7	166.0	186.7	211.2	239.9	271.7	315.0
-65°	100.1	109.4	119.3	132.2	147.4	164.7	184.8	206.7	233.2	262.3	296.1
-67.5°	100.1	109.4	119.3	132.0	147.0	163.5	182.5	203.5	226.0	253.5	282.5
-70°	100.1	109.4	119.3	131.8	146.3	162.3	179.8	199.8	221.2	243.9	271.0
-72.5°	100.1	109.4	119.2	131.6	145.5	160.9	177.6	195.8	216.0	237.3	259.7
-75°	100.1	109.4	119.1	131.3	144.6	159.3	175.1	192.4	210.4	230.3	251.1
-77.5°	100.1	109.4	118.9	130.9	143.7	157.5	172.4	189.0	206.0	223.5	242.1
-80°	100.1	109.3	118.7	130.4	142.8	155.8	169.5	185.3	201.5	218.1	234.9
-82.5°	100.1	109.2	118.5	129.9	141.7	154.1	166.9	181.6	196.7	212.3	228.1
-85°	100.1	109.1	118.2	129.2	140.6	152.2	164.2	178.3	192.6	207.0	221.5
-87.5°	100.1	109.0	117.9	128.6	139.3	150.3	161.4	174.8	188.3	201.9	215.5
-90°	100.1	98.0	95.9	94.4	93.0	91.5	90.0	87.9	85.9	83.8	81.7



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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°	216.4	223.5	230.5	237.6	241.2	244.7	248.3	251.8	257.2	262.7	268.1
87.5°	79.0	76.3	73.6	70.9	67.8	64.7	61.6	58.4	55.1	51.7	48.4
85°	79.1	76.4	73.7	71.0	67.9	64.8	61.7	58.5	55.2	51.8	48.5
82.5°	79.2	76.5	73.8	71.1	68.1	65.0	61.8	58.7	55.4	52.0	48.7
80°	79.4	76.7	74.0	71.3	68.3	65.2	62.1	58.9	55.6	52.3	48.9
77.5°	79.6	76.9	74.3	71.6	68.6	65.5	62.4	59.3	56.0	52.6	49.2
75°	79.9	77.2	74.6	71.9	69.0	65.9	62.8	59.6	56.4	53.0	49.6
72.5°	80.2	77.6	74.9	72.3	69.4	66.3	63.2	60.1	56.9	53.5	50.1
70°	80.5	77.9	75.3	72.7	69.9	66.8	63.7	60.6	57.4	54.1	50.7
67.5°	81.0	78.4	75.8	73.2	70.5	67.4	64.3	61.2	58.1	54.7	51.3
65°	81.4	78.9	76.3	73.7	71.1	68.1	65.0	61.9	58.8	55.3	51.7
62.5°	81.9	79.4	76.9	74.3	71.7	68.8	65.8	62.7	59.6	56.1	52.5
60°	82.4	80.0	77.5	75.0	72.4	69.6	66.6	63.5	60.4	57.1	53.6
57.5°	82.9	80.7	78.2	75.7	73.2	70.5	67.5	64.5	61.4	58.2	54.8
55°	83.5	81.4	78.9	76.5	74.0	71.4	68.5	65.5	62.4	59.3	55.9
52.5°	84.1	82.1	79.7	77.3	74.9	72.4	69.6	66.6	63.5	60.4	57.1
50°	84.7	82.8	80.6	78.2	75.9	73.5	70.8	67.8	64.8	61.7	58.5
47.5°	85.6	83.8	81.5	79.3	77.2	74.7	72.0	69.1	66.1	63.0	59.8
45°	86.6	84.7	82.5	80.6	78.5	75.9	73.3	70.6	67.6	64.5	61.4
42.5°	87.7	85.5	83.7	82.1	79.7	77.2	74.7	72.0	69.3	66.5	63.2
40°	88.6	86.3	85.0	83.3	81.0	78.6	76.1	73.6	71.4	68.4	65.1
37.5°	89.4	87.6	86.3	84.4	82.5	80.1	77.7	75.5	73.3	70.4	67.5
35°	90.1	88.9	87.4	85.7	83.9	81.7	79.4	77.4	75.3	72.9	70.0
32.5°	91.2	90.2	88.6	87.1	85.4	83.4	81.2	79.7	77.8	75.5	72.5
30°	92.9	91.4	89.9	88.7	87.1	85.3	83.6	82.3	80.4	78.2	76.1
27.5°	95.4	92.7	91.4	90.4	89.0	87.6	86.6	85.0	83.3	81.6	80.4
25°	98.2	96.2	93.0	92.1	91.2	90.4	89.8	88.4	86.8	85.7	84.8
22.5°	101.2	100.2	98.1	94.0	93.6	93.4	93.3	93.1	92.8	90.8	89.7
20°	104.6	104.8	104.0	101.6	97.6	96.6	97.1	98.7	100.7	100.9	98.0
17.5°	108.4	109.9	110.6	110.5	109.5	106.4	101.4	105.0	110.2	113.1	113.9
15°	112.3	115.2	117.8	120.3	123.4	127.5	129.5	123.2	121.3	127.4	133.2
12.5°	116.5	120.8	125.4	130.9	138.9	152.5	169.6	184.5	188.7	171.2	160.5
10°	120.8	126.6	133.4	142.0	155.5	180.7	215.2	255.5	295.8	347.9	413.0
7.5°	133.9	140.7	147.4	153.4	172.9	210.8	264.6	333.2	415.4	556.5	810.8
5°	148.8	164.2	194.7	225.5	259.1	302.0	355.6	416.7	542.4	784.7	1261.1
2.5°	163.7	188.1	243.8	309.1	390.9	488.8	618.0	780.9	1003.8	1535.7	2422.3
0°	178.4	211.8	292.7	392.7	522.8	675.4	880.5	1145.6	1530.8	2535.5	4183.9
-2.5°	236.1	311.7	418.2	553.6	716.6	908.8	1161.0	1484.8	2015.5	3313.3	5618.2
-5°	291.6	407.7	539.8	708.7	903.4	1133.2	1428.6	1806.0	2474.6	4050.1	6846.4
-7.5°	343.3	496.8	655.6	855.5	1083.7	1357.7	1699.9	2137.1	2936.0	4749.9	7807.7
-10°	393.3	582.1	769.6	992.5	1255.3	1572.0	1954.1	2435.9	3306.3	5223.2	8447.2
-12.5°	460.7	664.2	876.1	1118.1	1409.8	1763.1	2182.4	2696.1	3564.2	5420.6	8800.4
-15°	520.3	737.3	972.7	1230.6	1544.6	1927.1	2381.3	2912.3	3712.6	5396.4	8892.7
-17.5°	571.0	800.4	1058.3	1328.5	1657.1	2060.7	2544.2	3088.7	3850.6	5415.4	8755.6
-20°	611.7	852.8	1131.7	1410.6	1747.7	2162.0	2657.6	3238.0	4010.6	5371.4	8067.0



REPORT NUMBER: P1212222 (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°	641.7	893.7	1189.3	1483.8	1829.6	2239.3	2732.4	3326.5	4066.5	5098.3	7555.2
-25°	665.5	925.0	1228.6	1549.0	1894.4	2292.8	2766.5	3356.7	4075.4	5335.6	7522.1
-27.5°	684.6	941.3	1258.6	1598.3	1941.7	2329.1	2791.5	3358.6	4207.0	5423.7	7170.0
-30°	693.5	951.2	1272.1	1627.6	1978.8	2363.0	2799.4	3389.7	4211.7	5384.0	7006.9
-32.5°	697.8	950.2	1271.8	1628.0	1999.0	2376.7	2826.4	3411.7	4167.7	5165.6	6630.7
-35°	696.3	950.1	1257.5	1608.4	1998.0	2387.2	2848.1	3393.2	4055.7	4957.6	6277.5
-37.5°	686.1	935.5	1228.3	1573.0	1956.2	2384.6	2827.0	3350.5	3968.3	4732.2	5915.0
-40°	663.9	906.5	1193.5	1524.5	1903.2	2340.7	2788.8	3272.2	3844.8	4597.1	5507.5
-42.5°	631.9	868.4	1145.3	1459.5	1830.2	2251.0	2715.2	3180.5	3722.9	4391.9	5204.7
-45°	605.7	816.2	1081.4	1384.0	1731.5	2133.7	2580.1	3065.1	3579.1	4166.9	4868.4
-47.5°	568.9	756.2	1004.7	1286.3	1613.4	1988.9	2413.5	2882.7	3397.3	3937.8	4529.8
-50°	528.8	700.6	909.7	1174.8	1476.0	1821.8	2214.3	2664.0	3144.6	3664.0	4215.4
-52.5°	500.2	633.3	822.5	1048.2	1324.7	1637.0	2003.9	2418.6	2863.4	3333.6	3874.1
-55°	465.1	581.9	727.6	926.2	1161.0	1442.1	1779.2	2160.2	2562.3	2994.5	3480.7
-57.5°	432.2	528.6	647.0	801.8	1005.2	1239.9	1550.5	1886.1	2253.9	2641.4	3057.0
-60°	399.4	476.4	573.5	697.0	846.9	1062.0	1313.3	1607.4	1931.0	2272.6	2637.7
-62.5°	365.2	428.6	504.9	600.2	724.2	884.8	1101.5	1342.7	1598.0	1888.8	2200.4
-65°	340.5	382.2	442.6	518.5	603.4	744.8	909.5	1092.4	1313.9	1538.8	1766.3
-67.5°	313.0	349.6	390.4	439.9	515.2	618.2	730.1	882.9	1051.3	1228.5	1415.7
-70°	295.8	317.3	349.8	388.3	436.4	509.9	605.3	708.0	819.7	953.6	1111.4
-72.5°	280.3	299.3	319.3	340.4	380.8	435.7	497.4	565.4	651.4	753.5	861.5
-75°	267.2	281.0	298.0	316.3	341.3	373.2	410.5	463.4	525.3	593.7	665.2
-77.5°	256.0	268.6	281.2	294.0	311.2	335.3	362.3	392.1	430.6	473.5	518.4
-80°	245.9	256.0	267.3	278.7	292.3	307.4	323.7	341.1	366.6	397.5	432.2
-82.5°	237.9	247.2	256.4	265.7	275.2	285.1	295.8	308.4	328.0	349.3	371.5
-85°	230.0	238.2	246.6	255.1	262.5	270.1	278.0	286.1	299.0	312.8	327.0
-87.5°	223.2	230.9	238.5	246.1	251.4	256.7	262.1	267.7	276.2	284.9	293.8
-90°	79.0	76.3	73.6	70.9	67.8	64.7	61.5	58.4	55.1	51.7	48.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	273.5	281.4	289.4	297.3	305.2	315.4	325.6	335.8	346.0	356.4	366.9
87.5°	45.0	41.7	38.4	35.1	31.7	28.4	25.0	21.7	18.3	15.2	12.1
85°	45.1	41.8	38.5	35.1	31.8	28.5	25.1	21.7	18.4	15.2	12.1
82.5°	45.3	41.9	38.4	34.9	31.3	28.1	24.8	21.6	18.5	15.3	12.2
80°	45.6	42.1	38.6	35.2	31.8	28.6	25.3	21.9	18.6	15.4	12.2
77.5°	45.9	42.5	39.1	35.8	32.4	29.0	25.6	22.2	18.8	15.5	12.3
75°	46.3	42.9	39.4	35.9	32.4	28.9	25.5	22.2	18.9	15.7	12.5
72.5°	46.7	43.2	39.6	36.0	32.3	28.8	25.5	22.1	18.6	15.4	12.3
70°	47.3	43.8	40.1	36.4	32.8	29.2	25.7	22.2	18.7	15.5	12.4
67.5°	47.7	44.0	40.3	36.7	33.2	29.7	26.1	22.6	19.1	15.7	12.6
65°	48.0	44.3	40.8	37.3	33.8	30.2	26.7	23.3	19.9	16.6	13.2
62.5°	48.9	45.3	41.9	38.3	34.7	30.8	27.4	23.8	20.2	16.6	13.2
60°	50.1	46.8	43.1	39.3	35.5	31.6	27.9	24.2	20.4	16.7	13.4
57.5°	51.3	47.8	44.1	40.3	36.4	32.4	28.6	24.8	21.0	17.2	13.8
55°	52.4	48.8	45.2	41.4	37.4	33.4	29.4	25.5	21.6	17.7	14.2
52.5°	53.6	50.0	46.4	42.5	38.4	34.3	30.3	26.4	22.4	18.3	14.6
50°	55.0	51.3	47.3	43.2	39.4	35.5	31.4	27.3	23.2	19.0	15.1
47.5°	56.4	52.5	48.7	45.1	41.2	36.9	32.6	28.3	24.1	19.8	15.7
45°	58.0	54.3	50.7	46.8	42.7	38.4	34.0	29.5	25.2	20.7	16.3
42.5°	59.8	56.1	52.4	48.6	44.5	40.0	35.4	30.8	26.3	21.7	17.1
40°	61.8	58.1	54.6	50.6	45.9	41.3	37.0	32.4	27.6	22.9	18.0
37.5°	64.1	60.8	57.0	52.5	48.3	43.8	39.3	34.3	29.2	24.5	19.5
35°	66.7	63.6	59.6	56.0	51.8	47.0	42.3	37.6	32.4	27.7	22.3
32.5°	70.1	67.1	63.8	60.3	56.2	51.7	46.9	42.9	37.9	32.8	27.1
30°	74.3	71.4	68.5	65.4	61.6	57.7	54.1	50.1	45.8	40.3	32.1
27.5°	78.5	76.1	73.6	70.5	68.0	64.9	61.6	57.2	49.9	42.0	32.8
25°	83.3	81.4	78.5	76.4	74.6	72.2	67.0	60.2	49.8	39.5	30.3
22.5°	88.8	86.9	84.8	83.1	82.3	77.9	69.6	58.6	47.6	37.8	29.7
20°	94.5	92.7	94.6	95.3	90.3	85.2	72.3	60.1	50.1	43.5	37.3
17.5°	110.9	103.1	111.1	118.2	111.8	95.8	87.7	73.2	65.2	57.5	47.6
15°	140.9	150.3	152.4	150.3	149.0	136.5	116.0	112.5	102.8	96.0	86.2
12.5°	186.2	224.0	282.3	368.5	223.3	204.5	300.3	300.6	252.0	197.9	184.1
10°	452.5	323.9	555.4	1222.8	2317.9	2690.0	1043.9	3092.3	4592.8	6957.4	2238.2
7.5°	1307.0	1835.6	2380.8	3312.5	6165.9	10720.0	14473.2	19649.9	29856.1	38007.0	44296.6
5°	2325.1	3756.1	5786.5	8579.6	13977.2	22102.5	32345.9	48069.3	63486.0	83169.8	102076.2
2.5°	4056.0	6512.3	9780.3	14279.4	22529.3	34588.4	50879.9	75854.4	99510.6	121692.9	139772.1
0°	6715.3	11055.1	15314.1	23534.3	35620.8	53841.5	76620.4	110782.1	143505.6	177074.1	206479.5
-2.5°	9138.1	13405.2	19740.5	29121.1	43786.1	62004.4	87756.5	123152.9	165776.4	200485.6	235004.6
-5°	11089.7	15968.8	23031.0	32464.1	46713.5	64778.1	89845.8	125707.5	168457.7	203295.0	233444.9
-7.5°	12491.5	18169.3	25526.1	34882.1	48479.1	67389.6	92658.0	126315.0	166427.3	206963.0	237943.9
-10°	13321.1	19634.0	27144.7	36726.0	50258.4	69293.1	93477.0	125279.2	166502.9	207522.4	244573.2
-12.5°	13795.4	20324.8	27751.1	36896.5	50012.7	69823.9	95008.1	125242.0	160962.9	201199.4	239077.7
-15°	13986.6	20436.7	27826.9	37674.3	51023.4	68313.5	92064.1	120521.7	153047.4	189698.4	225130.5
-17.5°	13798.1	20183.8	28408.7	38340.1	50833.2	66040.3	87858.4	113529.0	145187.7	179526.1	208927.9
-20°	13072.9	20072.7	28335.8	38060.2	49758.7	64093.2	82208.3	108055.5	138502.9	169021.9	196827.6



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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°	12391.8	19025.9	27170.3	36421.7	47130.1	60230.8	77653.0	102420.1	130184.8	155399.5	181447.8
-25°	11182.1	17021.9	24840.4	33628.5	43456.5	55491.7	73427.0	94571.2	117048.8	138337.8	160526.3
-27.5°	10239.2	15073.7	21618.2	29831.7	38906.5	51156.2	66811.6	84859.2	103585.5	122241.8	140996.5
-30°	9268.9	13147.9	18679.8	25395.5	34574.9	45575.2	58393.0	73978.8	90444.5	106809.0	123295.9
-32.5°	8793.4	11672.1	15831.0	21709.5	29606.0	39210.8	49817.6	63283.6	77717.3	92213.0	106359.8
-35°	8134.5	10572.3	13590.1	18590.1	24748.1	32683.8	42169.2	52971.3	64200.5	76599.2	89037.2
-37.5°	7439.1	9444.8	12264.3	15964.8	20873.4	26562.0	34372.6	43299.6	52431.7	61933.5	71730.4
-40°	6797.2	8381.6	10891.4	13851.1	17612.0	22147.6	28007.4	34275.4	41169.5	48851.7	56233.9
-42.5°	6179.1	7656.6	9558.4	11995.8	14856.5	18730.9	23127.3	27687.0	32848.4	38462.3	43868.0
-45°	5703.8	6945.1	8425.8	10333.6	12653.0	15737.3	19171.3	22793.8	26685.2	30702.0	34357.9
-47.5°	5326.2	6300.3	7515.5	8906.8	10807.3	13157.7	15689.2	18467.2	21615.9	24734.7	27311.2
-50°	4926.5	5746.3	6709.9	7824.1	9348.3	11064.1	12903.4	15047.0	17426.6	19843.2	21700.5
-52.5°	4510.6	5215.4	5987.7	6932.2	8108.2	9391.3	10768.1	12386.8	14102.8	15856.9	17131.9
-55°	4041.3	4655.0	5309.6	6146.7	7055.1	8010.9	9056.1	10292.6	11553.3	12820.7	13674.9
-57.5°	3533.2	4058.0	4640.4	5328.6	6082.2	6891.4	7750.4	8653.6	9585.6	10501.3	11102.6
-60°	3021.0	3420.4	3918.1	4479.7	5069.9	5683.7	6425.1	7182.9	7933.0	8615.4	9089.3
-62.5°	2533.5	2883.3	3266.7	3682.0	4119.4	4599.5	5186.9	5790.1	6400.4	6938.5	7328.1
-65°	2017.1	2311.6	2643.4	2977.9	3313.4	3687.6	4122.4	4564.1	5007.7	5374.8	5637.6
-67.5°	1619.9	1829.3	2065.8	2313.9	2592.0	2892.6	3221.1	3550.3	3877.3	4141.9	4351.4
-70°	1272.2	1437.9	1609.4	1790.4	1992.3	2221.9	2475.7	2725.1	2968.8	3149.7	3290.0
-72.5°	974.7	1096.8	1232.3	1380.4	1527.3	1691.7	1874.9	2063.2	2254.5	2400.4	2524.4
-75°	739.4	822.6	922.3	1026.1	1133.0	1251.6	1375.3	1499.3	1622.3	1715.2	1797.1
-77.5°	572.7	636.1	701.5	767.6	833.9	907.9	984.8	1062.2	1139.5	1195.1	1245.1
-80°	468.3	509.1	551.9	595.6	639.9	688.2	737.4	786.7	835.9	872.3	906.5
-82.5°	394.7	422.0	450.4	479.3	508.7	540.9	573.5	606.2	638.7	662.8	685.9
-85°	341.8	360.2	379.1	398.4	417.9	440.0	462.3	484.7	507.1	524.8	542.2
-87.5°	302.7	314.9	327.1	339.5	352.0	366.7	381.6	396.4	411.2	424.6	437.9
-90°	45.0	41.7	38.4	35.0	31.7	28.4	25.0	21.7	18.3	15.4	12.5



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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°	377.3	387.7	390.6	393.5	390.6	387.7	377.3	366.9	356.4	346.0	335.8
87.5°	8.9	5.8	3.8	1.7	3.8	5.8	8.9	12.1	15.2	18.3	21.7
85°	9.0	5.8	3.8	1.7	3.8	5.8	9.0	12.1	15.2	18.4	21.7
82.5°	9.0	5.9	3.3	0.8	3.3	5.9	9.0	12.2	15.3	18.5	21.6
80°	9.1	5.9	3.8	1.7	3.8	5.9	9.1	12.2	15.4	18.6	21.9
77.5°	9.1	6.0	3.4	0.8	3.4	6.0	9.1	12.3	15.5	18.8	22.2
75°	9.3	6.0	3.4	0.8	3.4	6.0	9.3	12.5	15.7	18.9	22.2
72.5°	9.2	6.1	3.8	1.7	3.8	6.1	9.2	12.3	15.4	18.6	22.1
70°	9.3	6.2	3.5	0.8	3.5	6.2	9.3	12.4	15.5	18.7	22.2
67.5°	9.4	6.3	3.5	0.8	3.5	6.3	9.4	12.6	15.7	19.1	22.6
65°	9.9	6.4	3.6	0.8	3.6	6.4	9.9	13.2	16.6	19.9	23.3
62.5°	9.9	6.5	3.3	0.0	3.3	6.5	9.9	13.2	16.6	20.2	23.8
60°	10.1	6.7	3.3	0.0	3.3	6.7	10.1	13.4	16.7	20.4	24.2
57.5°	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8	17.2	21.0	24.8
55°	10.6	7.1	3.5	0.0	3.5	7.1	10.6	14.2	17.7	21.6	25.5
52.5°	11.0	7.3	3.7	0.0	3.7	7.3	11.0	14.6	18.3	22.4	26.4
50°	11.4	7.6	3.8	0.0	3.8	7.6	11.4	15.1	19.0	23.2	27.3
47.5°	11.8	7.9	3.9	0.0	3.9	7.9	11.8	15.7	19.8	24.1	28.3
45°	12.3	8.2	4.1	0.0	4.1	8.2	12.3	16.3	20.7	25.2	29.5
42.5°	12.9	8.6	4.5	0.8	4.5	8.6	12.9	17.1	21.7	26.3	30.8
40°	13.5	9.0	4.5	0.0	4.5	9.0	13.5	18.0	22.9	27.6	32.4
37.5°	14.7	9.7	4.8	0.0	4.8	9.7	14.7	19.5	24.5	29.2	34.3
35°	16.7	10.9	5.1	0.8	5.1	10.9	16.7	22.3	27.7	32.4	37.6
32.5°	20.4	13.9	6.9	0.0	6.9	13.9	20.4	27.1	32.8	37.9	42.9
30°	24.5	16.3	7.5	0.0	7.5	16.3	24.5	32.1	40.3	45.8	50.1
27.5°	24.0	15.0	6.5	0.0	6.5	15.0	24.0	32.8	42.0	49.9	57.2
25°	22.2	14.9	8.4	4.2	8.4	14.9	22.2	30.3	39.5	49.8	60.2
22.5°	24.1	17.6	12.0	10.0	12.0	17.6	24.1	29.7	37.8	47.6	58.6
20°	30.2	23.3	18.2	15.0	18.2	23.3	30.2	37.3	43.5	50.1	60.1
17.5°	44.0	36.5	28.9	25.8	28.9	36.5	44.0	47.6	57.5	65.2	73.2
15°	79.1	70.4	61.7	57.5	61.7	70.4	79.1	86.2	96.0	102.8	112.5
12.5°	143.1	126.5	111.9	102.2	111.9	126.5	143.1	184.1	197.9	252.0	300.6
10°	5416.5	4814.5	4287.3	1615.0	4287.3	4814.5	5416.5	2238.2	6957.4	4592.8	3092.3
7.5°	49048.7	55284.5	60963.8	60306.2	60963.8	55284.5	49048.7	44296.6	38007.0	29856.1	19649.9
5°	118096.1	136649.5	138728.0	144735.4	138728.0	136649.5	118096.1	102076.2	83169.8	63486.0	48069.3
2.5°	159830.7	176077.8	181941.6	183943.7	181941.6	176077.8	159830.7	139772.1	121692.9	99510.6	75854.4
0°	232879.9	255560.1	264860.5	267629.1	264860.5	255560.1	232879.9	206479.5	177074.1	143505.6	110782.1
-2.5°	263938.7	288054.7	299156.6	302779.7	299156.6	288054.7	263938.7	235004.6	200485.6	165776.4	123152.9
-5°	259956.3	279735.8	289143.9	292477.5	289143.9	279735.8	259956.3	233444.9	203295.0	168457.7	125707.5
-7.5°	265078.3	282555.4	290453.1	293049.4	290453.1	282555.4	265078.3	237943.9	206963.0	166427.3	126315.0
-10°	271485.0	290148.0	298392.3	298486.5	298392.3	290148.0	271485.0	244573.2	207522.4	166502.9	125279.2
-12.5°	271488.3	292429.3	302915.4	304353.4	302915.4	292429.3	271488.3	239077.7	201199.4	160962.9	125242.0
-15°	257059.0	280356.7	294108.3	298200.5	294108.3	280356.7	257059.0	225130.5	189698.4	153047.4	120521.7
-17.5°	237742.7	259634.3	270565.3	273303.0	270565.3	259634.3	237742.7	208927.9	179526.1	145187.7	113529.0
-20°	220582.8	240555.5	250078.4	253270.5	250078.4	240555.5	220582.8	196827.6	169021.9	138502.9	108055.5



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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°	203660.9	221536.8	231700.5	233810.0	231700.5	221536.8	203660.9	181447.8	155399.5	130184.8	102420.1
-25°	181887.8	197111.0	206526.3	208625.6	206526.3	197111.0	181887.8	160526.3	138337.8	117048.8	94571.2
-27.5°	158884.3	170998.2	180299.0	181401.0	180299.0	170998.2	158884.3	140996.5	122241.8	103585.5	84859.2
-30°	138643.7	148442.1	156968.0	156099.9	156968.0	148442.1	138643.7	123295.9	106809.0	90444.5	73978.8
-32.5°	118844.8	127098.0	133737.1	133374.3	133737.1	127098.0	118844.8	106359.8	92213.0	77717.3	63283.6
-35°	99011.6	105959.9	111090.1	111474.2	111090.1	105959.9	99011.6	89037.2	76599.2	64200.5	52971.3
-37.5°	79513.9	85784.6	90280.6	90633.0	90280.6	85784.6	79513.9	71730.4	61933.5	52431.7	43299.6
-40°	61443.5	65971.4	68979.4	68959.6	68979.4	65971.4	61443.5	56233.9	48851.7	41169.5	34275.4
-42.5°	47423.8	50545.7	52776.7	53737.3	52776.7	50545.7	47423.8	43868.0	38462.3	32848.4	27687.0
-45°	36969.1	39327.0	40809.4	41095.5	40809.4	39327.0	36969.1	34357.9	30702.0	26685.2	22793.8
-47.5°	29223.8	30958.1	32363.5	33399.6	32363.5	30958.1	29223.8	27311.2	24734.7	21615.9	18467.2
-50°	23132.7	24414.4	25251.9	25657.1	25251.9	24414.4	23132.7	21700.5	19843.2	17426.6	15047.0
-52.5°	18206.5	19179.4	19793.5	20105.0	19793.5	19179.4	18206.5	17131.9	15856.9	14102.8	12386.8
-55°	14462.8	15189.9	15611.4	15811.0	15611.4	15189.9	14462.8	13674.9	12820.7	11553.3	10292.6
-57.5°	11662.4	12174.1	12456.4	12595.1	12456.4	12174.1	11662.4	11102.6	10501.3	9585.6	8653.6
-60°	9530.1	9933.3	10202.5	10393.1	10202.5	9933.3	9530.1	9089.3	8615.4	7933.0	7182.9
-62.5°	7693.7	8029.0	8183.5	8250.3	8183.5	8029.0	7693.7	7328.1	6938.5	6400.4	5790.1
-65°	5876.2	6089.4	6238.8	6352.6	6238.8	6089.4	5876.2	5637.6	5374.8	5007.7	4564.1
-67.5°	4547.2	4726.8	4823.2	4886.0	4823.2	4726.8	4547.2	4351.4	4141.9	3877.3	3550.3
-70°	3418.5	3535.0	3619.9	3690.3	3619.9	3535.0	3418.5	3290.0	3149.7	2968.8	2725.1
-72.5°	2641.3	2749.8	2797.5	2829.0	2797.5	2749.8	2641.3	2524.4	2400.4	2254.5	2063.2
-75°	1874.1	1945.5	1968.5	1981.1	1968.5	1945.5	1874.1	1797.1	1715.2	1622.3	1499.3
-77.5°	1292.5	1336.9	1363.0	1384.9	1363.0	1336.9	1292.5	1245.1	1195.1	1139.5	1062.2
-80°	939.5	970.9	983.6	993.9	983.6	970.9	939.5	906.5	872.3	835.9	786.7
-82.5°	708.3	730.0	743.2	755.4	743.2	730.0	708.3	685.9	662.8	638.7	606.2
-85°	559.3	576.0	579.3	582.0	579.3	576.0	559.3	542.2	524.8	507.1	484.7
-87.5°	451.0	464.1	468.1	471.9	468.1	464.1	451.0	437.9	424.6	411.2	396.4
-90°	9.6	6.7	4.2	1.7	4.2	6.7	9.6	12.5	15.4	18.3	21.7



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	325.6	315.4	305.2	297.3	289.4	281.4	273.5	268.1	262.7	257.2	251.8
87.5°	25.0	28.4	31.7	35.1	38.4	41.7	45.0	48.4	51.7	55.1	58.4
85°	25.1	28.5	31.8	35.1	38.5	41.8	45.1	48.5	51.8	55.2	58.5
82.5°	24.8	28.1	31.3	34.9	38.4	41.9	45.3	48.7	52.0	55.4	58.7
80°	25.3	28.6	31.8	35.2	38.6	42.1	45.6	48.9	52.3	55.6	58.9
77.5°	25.6	29.0	32.4	35.8	39.1	42.5	45.9	49.2	52.6	56.0	59.3
75°	25.5	28.9	32.4	35.9	39.4	42.9	46.3	49.6	53.0	56.4	59.6
72.5°	25.5	28.8	32.3	36.0	39.6	43.2	46.7	50.1	53.5	56.9	60.1
70°	25.7	29.2	32.8	36.4	40.1	43.8	47.3	50.7	54.1	57.4	60.6
67.5°	26.1	29.7	33.2	36.7	40.3	44.0	47.7	51.3	54.7	58.1	61.2
65°	26.7	30.2	33.8	37.3	40.8	44.3	48.0	51.7	55.3	58.8	61.9
62.5°	27.4	30.8	34.7	38.3	41.9	45.3	48.9	52.5	56.1	59.6	62.7
60°	27.9	31.6	35.5	39.3	43.1	46.8	50.1	53.6	57.1	60.4	63.5
57.5°	28.6	32.4	36.4	40.3	44.1	47.8	51.3	54.8	58.2	61.4	64.5
55°	29.4	33.4	37.4	41.4	45.2	48.8	52.4	55.9	59.3	62.4	65.5
52.5°	30.3	34.3	38.4	42.5	46.4	50.0	53.6	57.1	60.4	63.5	66.6
50°	31.4	35.5	39.4	43.2	47.3	51.3	55.0	58.5	61.7	64.8	67.8
47.5°	32.6	36.9	41.2	45.1	48.7	52.5	56.4	59.8	63.0	66.1	69.1
45°	34.0	38.4	42.7	46.8	50.7	54.3	58.0	61.4	64.5	67.6	70.6
42.5°	35.4	40.0	44.5	48.6	52.4	56.1	59.8	63.2	66.5	69.3	72.0
40°	37.0	41.3	45.9	50.6	54.6	58.1	61.8	65.1	68.4	71.4	73.6
37.5°	39.3	43.8	48.3	52.5	57.0	60.8	64.1	67.5	70.4	73.3	75.5
35°	42.3	47.0	51.8	56.0	59.6	63.6	66.7	70.0	72.9	75.3	77.4
32.5°	46.9	51.7	56.2	60.3	63.8	67.1	70.1	72.5	75.5	77.8	79.7
30°	54.1	57.7	61.6	65.4	68.5	71.4	74.3	76.1	78.2	80.4	82.3
27.5°	61.6	64.9	68.0	70.5	73.6	76.1	78.5	80.4	81.6	83.3	85.0
25°	67.0	72.2	74.6	76.4	78.5	81.4	83.3	84.8	85.7	86.8	88.4
22.5°	69.6	77.9	82.3	83.1	84.8	86.9	88.8	89.7	90.8	92.8	93.1
20°	72.3	85.2	90.3	95.3	94.6	92.7	94.5	98.0	100.9	100.7	98.7
17.5°	87.7	95.8	111.8	118.2	111.1	103.1	110.9	113.9	113.1	110.2	105.0
15°	116.0	136.5	149.0	150.3	152.4	150.3	140.9	133.2	127.4	121.3	123.2
12.5°	300.3	204.5	223.3	368.5	282.3	224.0	186.2	160.5	171.2	188.7	184.5
10°	1043.9	2690.0	2317.9	1222.8	555.4	323.9	452.5	413.0	347.9	295.8	255.5
7.5°	14473.2	10720.0	6165.9	3312.5	2380.8	1835.6	1307.0	810.8	556.5	415.4	333.2
5°	32345.9	22102.5	13977.2	8579.6	5786.5	3756.1	2325.1	1261.1	784.7	542.4	416.7
2.5°	50879.9	34588.4	22529.3	14279.4	9780.3	6512.3	4056.0	2422.3	1535.7	1003.8	780.9
0°	76620.4	53841.5	35620.8	23534.3	15314.1	11055.1	6715.3	4183.9	2535.5	1530.8	1145.6
-2.5°	87756.5	62004.4	43786.1	29121.1	19740.5	13405.2	9138.1	5618.2	3313.3	2015.5	1484.8
-5°	89845.8	64778.1	46713.5	32464.1	23031.0	15968.8	11089.7	6846.4	4050.1	2474.6	1806.0
-7.5°	92658.0	67389.6	48479.1	34882.1	25526.1	18169.3	12491.5	7807.7	4749.9	2936.0	2137.1
-10°	93477.0	69293.1	50258.4	36726.0	27144.7	19634.0	13321.1	8447.2	5223.2	3306.3	2435.9
-12.5°	95008.1	69823.9	50012.7	36896.5	27751.1	20324.8	13795.4	8800.4	5420.6	3564.2	2696.1
-15°	92064.1	68313.5	51023.4	37674.3	27826.9	20436.7	13986.6	8892.7	5396.4	3712.6	2912.3
-17.5°	87858.4	66040.3	50833.2	38340.1	28408.7	20183.8	13798.1	8755.6	5415.4	3850.6	3088.7
-20°	82208.3	64093.2	49758.7	38060.2	28335.8	20072.7	13072.9	8067.0	5371.4	4010.6	3238.0



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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°	77653.0	60230.8	47130.1	36421.7	27170.3	19025.9	12391.8	7555.2	5098.3	4066.5	3326.5
-25°	73427.0	55491.7	43456.5	33628.5	24840.4	17021.9	11182.1	7522.1	5335.6	4075.4	3356.7
-27.5°	66811.6	51156.2	38906.5	29831.7	21618.2	15073.7	10239.2	7170.0	5423.7	4207.0	3358.6
-30°	58393.0	45575.2	34574.9	25395.5	18679.8	13147.9	9268.9	7006.9	5384.0	4211.7	3389.7
-32.5°	49817.6	39210.8	29606.0	21709.5	15831.0	11672.1	8793.4	6630.7	5165.6	4167.7	3411.7
-35°	42169.2	32683.8	24748.1	18590.1	13590.1	10572.3	8134.5	6277.5	4957.6	4055.7	3393.2
-37.5°	34372.6	26562.0	20873.4	15964.8	12264.3	9444.8	7439.1	5915.0	4732.2	3968.3	3350.5
-40°	28007.4	22147.6	17612.0	13851.1	10891.4	8381.6	6797.2	5507.5	4597.1	3844.8	3272.2
-42.5°	23127.3	18730.9	14856.5	11995.8	9558.4	7656.6	6179.1	5204.7	4391.9	3722.9	3180.5
-45°	19171.3	15737.3	12653.0	10333.6	8425.8	6945.1	5703.8	4868.4	4166.9	3579.1	3065.1
-47.5°	15689.2	13157.7	10807.3	8906.8	7515.5	6300.3	5326.2	4529.8	3937.8	3397.3	2882.7
-50°	12903.4	11064.1	9348.3	7824.1	6709.9	5746.3	4926.5	4215.4	3664.0	3144.6	2664.0
-52.5°	10768.1	9391.3	8108.2	6932.2	5987.7	5215.4	4510.6	3874.1	3333.6	2863.4	2418.6
-55°	9056.1	8010.9	7055.1	6146.7	5309.6	4655.0	4041.3	3480.7	2994.5	2562.3	2160.2
-57.5°	7750.4	6891.4	6082.2	5328.6	4640.4	4058.0	3533.2	3057.0	2641.4	2253.9	1886.1
-60°	6425.1	5683.7	5069.9	4479.7	3918.1	3420.4	3021.0	2637.7	2272.6	1931.0	1607.4
-62.5°	5186.9	4599.5	4119.4	3682.0	3266.7	2883.3	2533.5	2200.4	1888.8	1598.0	1342.7
-65°	4122.4	3687.6	3313.4	2977.9	2643.4	2311.6	2017.1	1766.3	1538.8	1313.9	1092.4
-67.5°	3221.1	2892.6	2592.0	2313.9	2065.8	1829.3	1619.9	1415.7	1228.5	1051.3	882.9
-70°	2475.7	2221.9	1992.3	1790.4	1609.4	1437.9	1272.2	1111.4	953.6	819.7	708.0
-72.5°	1874.9	1691.7	1527.3	1380.4	1232.3	1096.8	974.7	861.5	753.5	651.4	565.4
-75°	1375.3	1251.6	1133.0	1026.1	922.3	822.6	739.4	665.2	593.7	525.3	463.4
-77.5°	984.8	907.9	833.9	767.6	701.5	636.1	572.7	518.4	473.5	430.6	392.1
-80°	737.4	688.2	639.9	595.6	551.9	509.1	468.3	432.2	397.5	366.6	341.1
-82.5°	573.5	540.9	508.7	479.3	450.4	422.0	394.7	371.5	349.3	328.0	308.4
-85°	462.3	440.0	417.9	398.4	379.1	360.2	341.8	327.0	312.8	299.0	286.1
-87.5°	381.6	366.7	352.0	339.5	327.1	314.9	302.7	293.8	284.9	276.2	267.7
-90°	25.0	28.4	31.7	35.0	38.4	41.7	45.0	48.4	51.7	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°	248.3	244.7	241.2	237.6	230.5	223.5	216.4	209.3	196.6	183.8	171.1
87.5°	61.6	64.7	67.8	70.9	73.6	76.3	79.0	81.7	83.8	85.9	87.9
85°	61.7	64.8	67.9	71.0	73.7	76.4	79.1	81.8	83.8	85.9	88.0
82.5°	61.8	65.0	68.1	71.1	73.8	76.5	79.2	81.9	84.0	86.0	88.0
80°	62.1	65.2	68.3	71.3	74.0	76.7	79.4	82.0	84.2	86.3	88.3
77.5°	62.4	65.5	68.6	71.6	74.3	76.9	79.6	82.2	84.4	86.6	88.6
75°	62.8	65.9	69.0	71.9	74.6	77.2	79.9	82.4	84.6	86.9	89.0
72.5°	63.2	66.3	69.4	72.3	74.9	77.6	80.2	82.6	84.9	87.1	89.3
70°	63.7	66.8	69.9	72.7	75.3	77.9	80.5	82.9	85.1	87.3	89.5
67.5°	64.3	67.4	70.5	73.2	75.8	78.4	81.0	83.3	85.4	87.6	89.8
65°	65.0	68.1	71.1	73.7	76.3	78.9	81.4	83.6	85.8	87.9	90.0
62.5°	65.8	68.8	71.7	74.3	76.9	79.4	81.9	84.0	86.1	88.2	90.3
60°	66.6	69.6	72.4	75.0	77.5	80.0	82.4	84.5	86.5	88.6	90.6
57.5°	67.5	70.5	73.2	75.7	78.2	80.7	82.9	84.9	87.0	89.0	91.0
55°	68.5	71.4	74.0	76.5	78.9	81.4	83.5	85.5	87.5	89.4	91.2
52.5°	69.6	72.4	74.9	77.3	79.7	82.1	84.1	86.0	88.0	89.9	91.5
50°	70.8	73.5	75.9	78.2	80.6	82.8	84.7	86.6	88.5	90.4	91.8
47.5°	72.0	74.7	77.2	79.3	81.5	83.8	85.6	87.2	89.1	90.9	92.2
45°	73.3	75.9	78.5	80.6	82.5	84.7	86.6	87.9	89.7	91.4	92.7
42.5°	74.7	77.2	79.7	82.1	83.7	85.5	87.7	88.9	90.3	92.0	93.2
40°	76.1	78.6	81.0	83.3	85.0	86.3	88.6	90.1	91.0	92.6	93.8
37.5°	77.7	80.1	82.5	84.4	86.3	87.6	89.4	91.3	92.1	93.5	94.4
35°	79.4	81.7	83.9	85.7	87.4	88.9	90.1	92.5	93.5	94.4	95.0
32.5°	81.2	83.4	85.4	87.1	88.6	90.2	91.2	93.7	95.0	95.4	95.7
30°	83.6	85.3	87.1	88.7	89.9	91.4	92.9	95.2	96.6	96.6	96.5
27.5°	86.6	87.6	89.0	90.4	91.4	92.7	95.4	96.9	98.3	97.9	97.5
25°	89.8	90.4	91.2	92.1	93.0	96.2	98.2	98.8	99.9	99.3	98.5
22.5°	93.3	93.4	93.6	94.0	98.1	100.2	101.2	101.2	101.5	100.8	99.6
20°	97.1	96.6	97.6	101.6	104.0	104.8	104.6	103.8	103.3	102.2	100.7
17.5°	101.4	106.4	109.5	110.5	110.6	109.9	108.4	106.5	105.1	103.7	101.8
15°	129.5	127.5	123.4	120.3	117.8	115.2	112.3	109.3	107.1	105.2	104.3
12.5°	169.6	152.5	138.9	130.9	125.4	120.8	116.5	112.2	109.1	109.0	108.6
10°	215.2	180.7	155.5	142.0	133.4	126.6	120.8	117.3	115.8	114.7	112.9
7.5°	264.6	210.8	172.9	153.4	147.4	140.7	133.9	127.1	123.3	120.4	117.2
5°	355.6	302.0	259.1	225.5	194.7	164.2	148.8	137.1	130.9	126.2	121.6
2.5°	618.0	488.8	390.9	309.1	243.8	188.1	163.7	147.0	138.4	131.9	125.9
0°	880.5	675.4	522.8	392.7	292.7	211.8	178.4	156.8	145.9	137.6	130.1
-2.5°	1161.0	908.8	716.6	553.6	418.2	311.7	236.1	189.2	161.3	146.2	135.7
-5°	1428.6	1133.2	903.4	708.7	539.8	407.7	291.6	220.3	176.2	154.5	141.2
-7.5°	1699.9	1357.7	1083.7	855.5	655.6	496.8	343.3	249.2	190.3	162.5	146.5
-10°	1954.1	1572.0	1255.3	992.5	769.6	582.1	393.3	274.9	203.2	169.9	151.7
-12.5°	2182.4	1763.1	1409.8	1118.1	876.1	664.2	460.7	315.3	217.7	176.8	156.6
-15°	2381.3	1927.1	1544.6	1230.6	972.7	737.3	520.3	359.8	251.2	189.7	161.3
-17.5°	2544.2	2060.7	1657.1	1328.5	1058.3	800.4	571.0	398.9	280.6	209.4	170.5
-20°	2657.6	2162.0	1747.7	1410.6	1131.7	852.8	611.7	431.7	305.3	226.6	182.4



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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°	2732.4	2239.3	1829.6	1483.8	1189.3	893.7	641.7	457.7	324.7	241.0	193.1
-25°	2766.5	2292.8	1894.4	1549.0	1228.6	925.0	665.5	476.4	338.4	252.4	202.4
-27.5°	2791.5	2329.1	1941.7	1598.3	1258.6	941.3	684.6	492.3	348.4	260.5	210.2
-30°	2799.4	2363.0	1978.8	1627.6	1272.1	951.2	693.5	500.0	357.8	268.2	216.3
-32.5°	2826.4	2376.7	1999.0	1628.0	1271.8	950.2	697.8	498.8	362.3	275.2	221.8
-35°	2848.1	2387.2	1998.0	1608.4	1257.5	950.1	696.3	488.5	361.7	279.8	226.2
-37.5°	2827.0	2384.6	1956.2	1573.0	1228.3	935.5	686.1	485.6	356.0	281.8	229.2
-40°	2788.8	2340.7	1903.2	1524.5	1193.5	906.5	663.9	480.0	353.1	281.2	230.7
-42.5°	2715.2	2251.0	1830.2	1459.5	1145.3	868.4	631.9	465.9	352.6	280.4	230.7
-45°	2580.1	2133.7	1731.5	1384.0	1081.4	816.2	605.7	445.8	347.9	278.7	230.3
-47.5°	2413.5	1988.9	1613.4	1286.3	1004.7	756.2	568.9	434.1	338.8	275.1	230.0
-50°	2214.3	1821.8	1476.0	1174.8	909.7	700.6	528.8	416.7	331.5	269.8	228.8
-52.5°	2003.9	1637.0	1324.7	1048.2	822.5	633.3	500.2	394.7	320.7	265.1	226.5
-55°	1779.2	1442.1	1161.0	926.2	727.6	581.9	465.1	376.4	306.7	260.1	223.3
-57.5°	1550.5	1239.9	1005.2	801.8	647.0	528.6	432.2	354.0	295.8	253.4	220.1
-60°	1313.3	1062.0	846.9	697.0	573.5	476.4	399.4	331.8	284.7	245.8	216.0
-62.5°	1101.5	884.8	724.2	600.2	504.9	428.6	365.2	315.0	271.7	239.9	211.2
-65°	909.5	744.8	603.4	518.5	442.6	382.2	340.5	296.1	262.3	233.2	206.7
-67.5°	730.1	618.2	515.2	439.9	390.4	349.6	313.0	282.5	253.5	226.0	203.5
-70°	605.3	509.9	436.4	388.3	349.8	317.3	295.8	271.0	243.9	221.2	199.8
-72.5°	497.4	435.7	380.8	340.4	319.3	299.3	280.3	259.7	237.3	216.0	195.8
-75°	410.5	373.2	341.3	316.3	298.0	281.0	267.2	251.1	230.3	210.4	192.4
-77.5°	362.3	335.3	311.2	294.0	281.2	268.6	256.0	242.1	223.5	206.0	189.0
-80°	323.7	307.4	292.3	278.7	267.3	256.0	245.9	234.9	218.1	201.5	185.3
-82.5°	295.8	285.1	275.2	265.7	256.4	247.2	237.9	228.1	212.3	196.7	181.6
-85°	278.0	270.1	262.5	255.1	246.6	238.2	230.0	221.5	207.0	192.6	178.3
-87.5°	262.1	256.7	251.4	246.1	238.5	230.9	223.2	215.5	201.9	188.3	174.8
-90°	61.5	64.7	67.8	70.9	73.6	76.3	79.0	81.7	83.8	85.9	87.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	158.4	148.2	138.0	127.8	117.6	108.8	100.1
87.5°	90.0	91.5	93.0	94.4	95.9	98.1	100.1
85°	90.0	91.5	93.0	94.4	95.9	98.1	100.1
82.5°	90.1	91.5	93.0	94.5	95.9	98.2	100.1
80°	90.2	91.6	93.0	94.5	96.0	98.3	100.1
77.5°	90.4	91.7	93.1	94.5	96.0	98.3	100.1
75°	90.7	91.9	93.2	94.6	96.1	98.4	100.1
72.5°	91.1	92.1	93.3	94.6	96.2	98.5	100.1
70°	91.3	92.3	93.4	94.7	96.3	98.6	100.1
67.5°	91.4	92.6	93.6	94.8	96.4	98.7	100.1
65°	91.6	92.7	93.7	94.9	96.5	98.8	100.1
62.5°	91.7	92.8	93.9	95.0	96.6	98.9	100.1
60°	91.9	93.0	94.1	95.1	96.8	99.0	100.1
57.5°	92.1	93.1	94.2	95.2	97.0	99.1	100.1
55°	92.3	93.3	94.3	95.3	97.2	99.2	100.1
52.5°	92.5	93.4	94.4	95.4	97.4	99.4	100.1
50°	92.8	93.7	94.6	95.5	97.7	99.5	100.1
47.5°	93.1	93.9	94.7	95.6	98.0	99.6	100.1
45°	93.5	94.2	94.8	95.7	98.3	99.8	100.1
42.5°	94.0	94.5	95.0	95.9	98.6	99.9	100.1
40°	94.4	94.8	95.2	96.2	98.9	100.0	100.1
37.5°	94.9	95.1	95.5	96.8	99.3	100.2	100.1
35°	95.5	95.5	95.7	97.4	99.6	100.4	100.1
32.5°	96.1	95.9	96.0	98.1	100.0	100.5	100.1
30°	96.7	96.4	96.2	98.7	100.4	100.7	100.1
27.5°	97.3	96.9	97.4	99.4	100.9	100.8	100.1
25°	97.9	97.4	98.7	100.2	101.3	101.0	100.1
22.5°	98.6	98.3	100.1	100.9	101.8	101.2	100.1
20°	99.3	100.5	101.5	101.7	102.2	101.3	100.1
17.5°	101.4	102.8	103.1	102.5	102.7	101.5	100.1
15°	104.6	105.0	104.6	103.4	103.1	101.7	100.1
12.5°	107.8	107.4	106.2	104.2	103.6	101.8	100.1
10°	111.1	109.8	107.8	105.0	104.1	102.0	100.1
7.5°	114.4	112.1	109.4	105.9	104.5	102.1	100.1
5°	117.7	114.5	111.0	106.7	105.0	102.3	100.1
2.5°	120.9	116.9	112.6	107.6	105.5	102.5	100.1
0°	124.2	119.2	114.2	108.4	105.9	102.6	100.1
-2.5°	128.5	122.5	116.6	110.1	106.8	103.0	100.1
-5°	132.8	125.7	118.9	111.8	107.7	103.4	100.1
-7.5°	136.9	128.9	121.2	113.4	108.6	103.8	100.1
-10°	141.0	132.0	123.5	115.0	109.4	104.2	100.1
-12.5°	144.9	134.9	125.6	116.5	110.2	104.6	100.1
-15°	148.6	137.8	127.7	118.0	111.0	105.0	100.1
-17.5°	152.1	140.5	129.6	119.4	111.8	105.3	100.1
-20°	157.1	143.0	131.5	120.8	112.6	105.7	100.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	164.4	145.4	133.2	122.0	113.3	106.0	100.1
-25°	170.9	149.1	134.9	123.2	114.0	106.4	100.1
-27.5°	176.5	153.1	136.4	124.3	114.6	106.7	100.1
-30°	181.3	156.6	137.9	125.3	115.2	107.0	100.1
-32.5°	185.2	159.7	140.0	126.2	115.8	107.3	100.1
-35°	188.7	162.3	141.9	127.0	116.3	107.5	100.1
-37.5°	191.6	164.4	143.4	127.6	116.8	107.8	100.1
-40°	193.8	166.2	144.7	128.2	117.2	108.0	100.1
-42.5°	195.3	167.6	145.8	128.8	117.6	108.3	100.1
-45°	196.0	168.5	146.7	129.5	118.0	108.5	100.1
-47.5°	195.9	168.9	147.4	130.0	118.3	108.6	100.1
-50°	195.6	168.8	148.0	130.6	118.6	108.8	100.1
-52.5°	194.6	168.3	148.2	131.2	118.8	109.0	100.1
-55°	193.1	168.1	148.3	131.6	118.9	109.1	100.1
-57.5°	190.9	167.7	148.2	132.0	119.1	109.2	100.1
-60°	188.3	167.0	147.8	132.2	119.1	109.3	100.1
-62.5°	186.7	166.0	147.7	132.2	119.2	109.3	100.1
-65°	184.8	164.7	147.4	132.2	119.3	109.4	100.1
-67.5°	182.5	163.5	147.0	132.0	119.3	109.4	100.1
-70°	179.8	162.3	146.3	131.8	119.3	109.4	100.1
-72.5°	177.6	160.9	145.5	131.6	119.2	109.4	100.1
-75°	175.1	159.3	144.6	131.3	119.1	109.4	100.1
-77.5°	172.4	157.5	143.7	130.9	118.9	109.4	100.1
-80°	169.5	155.8	142.8	130.4	118.7	109.3	100.1
-82.5°	166.9	154.1	141.7	129.9	118.5	109.2	100.1
-85°	164.2	152.2	140.6	129.2	118.2	109.1	100.1
-87.5°	161.4	150.3	139.3	128.6	117.9	109.0	100.1
-90°	90.0	91.5	93.0	94.4	95.9	98.0	100.1

(END OF REPORT)