

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: P1212198 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-2S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212198 (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-57-80-2S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

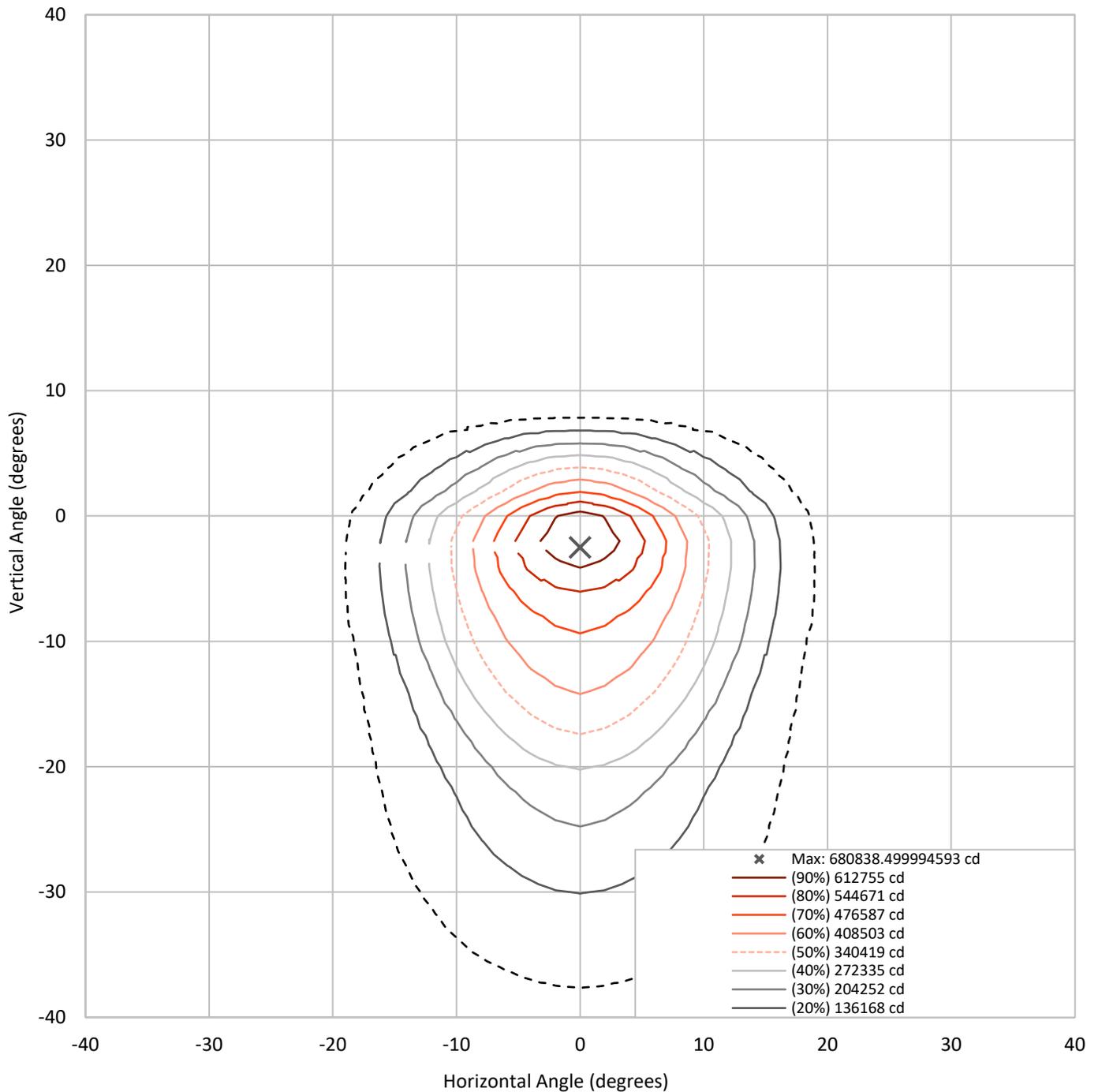
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	123824.9 lumens	Max Intensity:	680838.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	114.9 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:	46375.7 lumens	Field Lumens:	97637.4 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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CATALOG NUMBER: EPH-LS12-1000R-57-80-2S-ECV

### Iso-Candela Plot





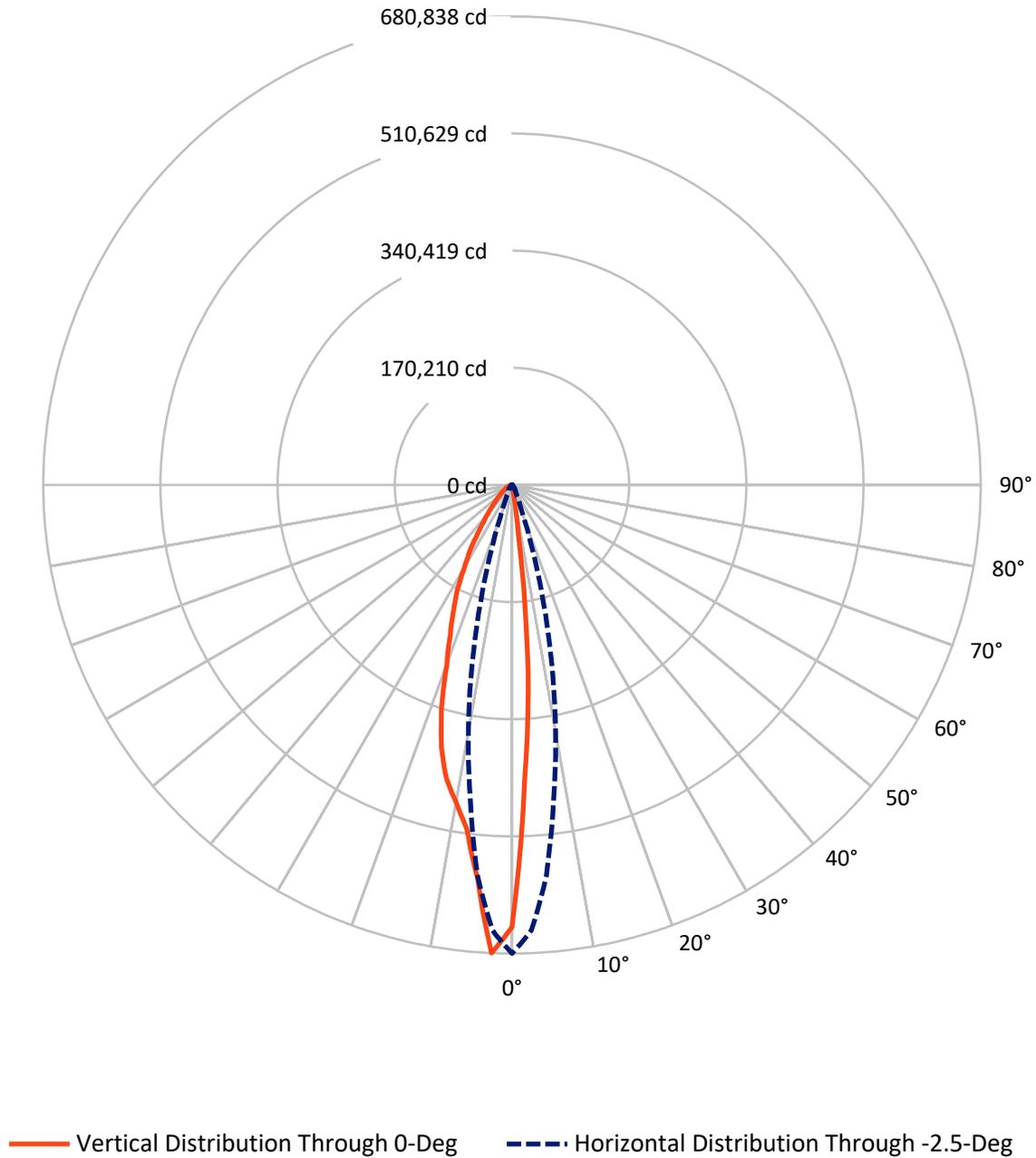
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### Lumen Table

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	1.0	0.6	0.2	0.2	0.6	1.0	1.2	1.3	1.3	1.1	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			
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	2.1	1.6	0.6	0.6	1.6	2.1	2.0	1.8	1.6	1.2	2.0			
20		1.3	1.9	2.8	3.9	6.2	6.6	8.4	8.4	6.6	6.2	3.9	2.8	1.9	1.3				
10	2.3	1.6	4.5	15.4	50.1	200.3	1958.0	6522.8	6522.8	1958.0	200.3	50.1	15.4	4.5	1.6	2.3			
0		3.1	18.3	65.2	191.9	628.0	5146.9	14712.9	14712.9	5146.9	628.0	191.9	65.2	18.3	3.1				
-10	3.1	5.5	30.6	110.5	280.9	743.2	3477.4	9908.3	9908.3	3477.4	743.2	280.9	110.5	30.6	5.5	3.1			
-20		7.2	33.9	112.8	302.1	739.3	2155.8	5166.6	5166.6	2155.8	739.3	302.1	112.8	33.9	7.2				
-30	3.8	7.5	32.6	97.6	259.6	588.4	1303.0	2418.7	2418.7	1303.0	588.4	259.6	97.6	32.6	7.5	3.8			
-40		6.9	27.8	78.0	180.7	377.1	704.5	1016.5	1016.5	704.5	377.1	180.7	78.0	27.8	6.9				
-50	3.8	5.5	19.7	54.5	117.1	215.0	359.0	475.5	475.5	359.0	215.0	117.1	54.5	19.7	5.5	3.8			
-60		4.1	10.7	29.0	61.4	107.4	164.3	204.1	204.1	164.3	107.4	61.4	29.0	10.7	4.1				
-70	3.4	16.2	48.3		123.9		179.8		123.9		48.3		16.2		3.4				
-80		16.2	48.3		123.9		179.8		123.9		48.3		16.2						
-90	3.4	16.2		48.3		123.9		179.8		123.9		48.3		16.2		3.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

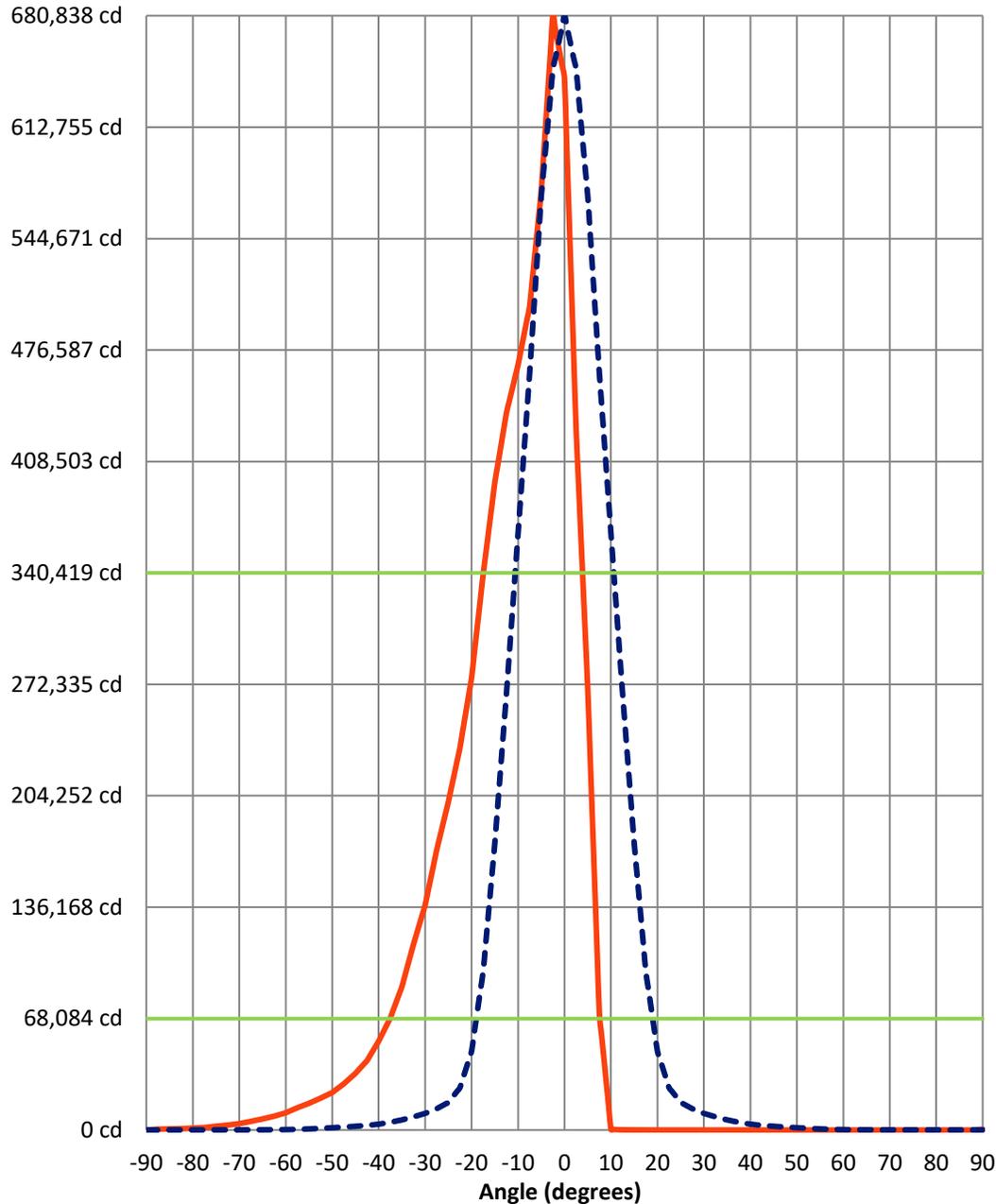
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.2°  
 V Angle: 21.4°  
 Lumens: 46375.7  
 Efficiency: 37.5%

**Field:**  
 H Angle: 38°  
 V Angle: 45.2°  
 Lumens: 97637.4  
 Efficiency: 78.9%

**Spill:**  
 Lumens: 26187.5  
 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°	94.8	100.5	106.3	121.6	136.9	152.2	167.5	180.2	192.9	205.6	218.3
87.5°	94.8	94.3	93.8	92.4	91.0	89.5	88.1	86.2	84.3	82.3	80.4
85°	94.8	94.3	93.8	92.4	91.0	89.6	88.1	86.2	84.3	82.4	80.5
82.5°	94.8	94.3	93.8	92.4	91.0	89.6	88.2	86.3	84.4	82.5	80.5
80°	94.8	94.3	93.8	92.4	91.0	89.6	88.2	86.4	84.5	82.6	80.7
77.5°	94.8	94.3	93.8	92.5	91.1	89.7	88.3	86.5	84.6	82.7	80.8
75°	94.8	94.3	93.8	92.5	91.1	89.8	88.4	86.6	84.7	82.9	81.0
72.5°	94.8	94.3	93.8	92.6	91.2	89.8	88.5	86.8	84.9	83.1	81.2
70°	94.8	94.3	93.9	92.6	91.3	89.9	88.6	86.9	85.1	83.3	81.4
67.5°	94.8	94.3	93.9	92.7	91.4	90.1	88.7	87.1	85.3	83.5	81.7
65°	94.8	94.3	93.9	92.8	91.5	90.2	88.9	87.4	85.6	83.8	82.0
62.5°	94.8	94.4	93.9	92.9	91.6	90.3	89.0	87.6	85.9	84.1	82.3
60°	94.8	94.4	93.9	92.9	91.7	90.5	89.2	87.9	86.2	84.5	82.7
57.5°	94.8	94.4	94.0	93.0	91.8	90.6	89.4	88.2	86.5	84.8	83.1
55°	94.8	94.4	94.0	93.1	92.0	90.8	89.6	88.4	86.9	85.2	83.6
52.5°	94.8	94.4	94.0	93.3	92.1	91.0	89.8	88.7	87.2	85.6	84.0
50°	94.8	94.4	94.1	93.4	92.3	91.2	90.0	89.0	87.7	86.1	84.7
47.5°	94.8	94.4	94.1	93.5	92.4	91.4	90.3	89.3	88.1	86.6	85.4
45°	94.8	94.4	94.2	93.6	92.6	91.6	90.6	89.7	88.5	87.3	86.2
42.5°	94.8	94.5	94.3	93.8	92.8	91.8	91.0	90.1	89.0	88.1	86.9
40°	94.8	94.5	94.3	93.9	93.0	92.0	91.4	90.6	89.6	88.9	87.6
37.5°	94.8	94.5	94.4	94.0	93.2	92.3	91.8	91.1	90.3	89.7	88.3
35°	94.8	94.5	94.5	94.2	93.4	92.6	92.2	91.6	91.0	90.4	89.0
32.5°	94.8	94.5	94.5	94.4	93.6	92.9	92.7	92.1	91.8	91.1	90.0
30°	94.8	94.5	94.6	94.5	93.8	93.3	93.2	92.7	92.5	92.0	91.1
27.5°	94.8	94.6	94.7	94.8	94.2	93.7	93.6	93.4	93.3	93.0	92.4
25°	94.8	94.6	94.8	95.0	94.6	94.1	94.1	94.0	94.1	94.0	93.8
22.5°	94.8	94.6	94.9	95.2	95.1	94.7	94.7	94.7	94.9	95.2	95.4
20°	94.8	94.6	95.0	95.5	95.7	95.6	95.2	95.4	95.8	96.5	97.0
17.5°	94.8	94.6	95.1	95.7	96.2	96.5	96.3	96.0	96.8	97.9	98.6
15°	94.8	94.7	95.2	96.0	96.8	97.5	97.9	97.4	97.7	99.3	100.3
12.5°	94.8	94.7	95.3	96.3	97.4	98.5	99.6	99.8	100.0	100.7	101.9
10°	94.8	94.7	95.3	96.5	98.0	99.4	101.3	102.2	103.3	104.6	105.4
7.5°	94.8	94.7	95.4	96.8	98.7	100.5	103.0	104.6	106.7	108.9	112.7
5°	94.8	94.8	95.5	97.1	99.3	101.4	104.8	107.1	110.1	113.1	120.4
2.5°	94.8	94.8	95.6	97.3	99.9	102.4	106.5	109.6	113.5	117.4	128.2
0°	94.8	94.8	95.7	97.6	100.5	103.4	108.2	112.0	116.8	121.6	135.9
-2.5°	94.8	95.1	96.5	98.9	102.5	106.7	113.5	119.5	127.7	140.9	171.8
-5°	94.8	95.4	97.2	100.2	104.5	109.9	118.8	126.9	138.4	159.7	206.4
-7.5°	94.8	95.7	97.9	101.5	106.4	113.0	123.8	134.1	148.8	177.6	238.7
-10°	94.8	96.0	98.7	102.8	108.3	116.0	128.6	141.1	158.7	194.1	268.0
-12.5°	94.8	96.3	99.4	104.0	110.2	118.9	133.2	147.7	168.0	211.8	313.9
-15°	94.8	96.6	100.1	105.2	111.9	121.6	137.4	154.0	183.0	247.1	364.0
-17.5°	94.8	96.9	100.7	106.3	113.6	124.2	141.1	164.5	204.5	278.2	407.0
-20°	94.8	97.2	101.4	107.4	115.2	126.5	146.4	177.5	223.6	304.5	442.0



REPORT NUMBER: P1212198 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	94.8	97.5	102.0	108.4	116.7	128.6	154.1	189.3	240.0	325.3	468.1
-25°	94.8	97.8	102.6	109.4	118.1	132.9	161.1	199.5	253.4	340.1	484.7
-27.5°	94.8	98.0	103.2	110.3	119.4	138.0	167.3	208.1	263.5	351.4	501.6
-30°	94.8	98.3	103.7	111.2	120.8	142.5	172.6	214.9	272.5	363.1	510.2
-32.5°	94.8	98.5	104.2	111.9	124.1	146.7	177.0	220.8	280.2	369.8	509.7
-35°	94.8	98.8	104.7	112.6	127.0	150.3	181.4	225.6	285.3	371.6	499.7
-37.5°	94.8	99.0	105.1	113.3	129.7	153.6	185.5	229.0	287.6	368.1	505.4
-40°	94.8	99.2	105.5	113.8	132.1	156.7	188.9	231.1	287.2	366.0	507.3
-42.5°	94.8	99.4	105.9	114.7	134.2	159.4	191.5	231.8	286.9	367.2	498.3
-45°	94.8	99.6	106.2	116.1	136.1	161.5	193.4	232.3	286.0	362.5	480.6
-47.5°	94.8	99.7	106.4	117.3	137.6	163.2	194.5	233.4	283.2	351.4	465.9
-50°	94.8	99.9	106.7	118.5	138.9	164.3	195.5	233.5	278.0	343.9	442.8
-52.5°	94.8	100.0	106.9	119.5	139.9	164.9	195.9	232.6	273.6	332.3	413.4
-55°	94.8	100.2	107.0	120.5	140.6	165.4	195.5	230.8	269.0	316.9	392.9
-57.5°	94.8	100.3	107.1	121.3	141.0	165.5	194.5	229.0	262.6	305.7	367.7
-60°	94.8	100.4	107.2	121.9	141.2	165.2	193.0	225.4	255.2	294.7	343.1
-62.5°	94.8	100.5	107.3	122.4	141.6	164.4	191.4	220.7	249.1	281.6	326.0
-65°	94.8	100.5	107.4	122.8	141.9	163.3	189.3	215.8	242.2	271.7	306.6
-67.5°	94.8	100.6	107.4	123.1	142.0	162.4	186.7	211.5	234.5	262.0	291.9
-70°	94.8	100.7	107.4	123.2	141.9	161.9	183.6	206.8	228.9	251.5	279.0
-72.5°	94.8	100.7	107.4	123.3	141.6	161.1	181.9	201.8	223.0	244.5	266.4
-75°	94.8	100.7	107.3	123.4	141.1	160.1	180.3	198.4	216.7	237.2	258.0
-77.5°	94.8	100.7	107.2	123.4	140.7	158.9	178.3	195.4	212.6	230.3	249.2
-80°	94.8	100.7	107.1	123.2	140.2	157.8	176.0	192.1	208.4	225.1	242.2
-82.5°	94.8	100.7	106.9	123.0	139.6	156.6	174.1	188.9	203.9	219.5	235.5
-85°	94.8	100.6	106.7	122.6	138.8	155.3	172.1	186.2	200.4	214.7	229.2
-87.5°	94.8	100.6	106.5	122.1	137.9	153.8	169.9	183.3	196.7	210.3	223.9
-90°	94.8	94.3	93.8	92.4	91.0	89.5	88.1	86.2	84.3	82.3	80.4



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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°	225.5	232.7	239.8	247.0	251.8	256.6	261.3	266.1	272.6	279.1	285.5
87.5°	77.9	75.4	72.9	70.3	67.4	64.5	61.6	58.7	55.5	52.4	49.2
85°	77.9	75.2	72.7	70.1	67.3	64.5	61.7	58.9	55.8	52.6	49.4
82.5°	78.1	75.6	73.2	70.8	68.1	65.3	62.5	59.6	56.2	52.7	49.3
80°	78.3	76.0	73.5	70.9	68.0	65.1	62.1	59.1	55.7	52.3	48.9
77.5°	78.5	76.0	73.4	70.7	67.8	65.0	62.2	59.2	56.0	52.6	49.2
75°	78.7	76.1	73.6	71.2	68.6	65.7	62.7	59.6	56.4	53.0	49.6
72.5°	79.0	76.5	74.2	72.0	69.1	66.0	62.9	60.0	56.9	53.5	50.1
70°	79.3	77.0	74.6	72.0	69.1	66.2	63.4	60.5	57.4	54.1	50.7
67.5°	79.7	77.3	74.8	72.2	69.9	67.2	64.3	61.2	58.1	54.7	51.3
65°	80.1	77.7	75.3	73.0	70.9	68.0	65.0	61.9	58.8	55.4	52.0
62.5°	80.6	78.2	76.0	73.8	71.5	68.7	65.6	62.5	59.5	56.3	52.9
60°	81.0	78.9	76.7	74.4	72.1	69.1	66.0	63.1	60.3	57.2	53.8
57.5°	81.4	79.5	77.3	75.0	72.4	69.6	66.8	64.0	61.1	58.2	54.8
55°	81.9	80.1	77.9	75.5	72.9	70.4	67.7	64.9	62.1	59.2	55.9
52.5°	82.5	80.7	78.6	76.1	73.8	71.3	68.7	66.0	63.1	60.3	57.1
50°	83.2	81.4	79.3	77.0	74.8	72.5	69.8	67.1	64.4	61.6	58.5
47.5°	83.8	82.1	80.2	78.1	76.1	73.6	71.0	68.6	66.0	62.8	59.7
45°	84.5	82.8	81.0	79.5	77.4	74.9	72.6	70.5	67.1	64.1	61.2
42.5°	85.2	83.6	82.2	81.0	78.6	76.3	74.2	71.4	68.4	65.9	62.9
40°	86.0	84.4	83.5	82.1	80.0	77.8	75.3	72.6	70.5	67.8	64.7
37.5°	86.8	85.6	84.7	83.0	81.4	79.2	76.6	74.5	72.3	69.6	66.6
35°	87.6	86.8	85.6	84.1	82.6	80.6	78.4	76.3	74.2	71.5	68.6
32.5°	88.6	88.1	86.6	85.4	83.9	82.1	80.1	78.3	76.1	73.5	70.8
30°	90.0	89.1	87.8	86.8	85.2	83.6	82.1	80.5	78.1	75.6	73.4
27.5°	91.6	90.1	89.1	88.1	86.7	85.4	84.2	82.5	80.3	78.1	76.6
25°	93.3	92.3	90.5	89.5	88.4	87.4	86.4	84.7	82.6	81.3	80.1
22.5°	95.2	94.9	93.8	90.9	90.2	89.5	88.5	87.3	86.1	85.1	83.9
20°	97.4	97.8	97.3	95.5	93.1	91.7	90.9	90.5	90.8	91.0	90.1
17.5°	99.7	101.0	101.3	101.4	101.9	99.2	93.5	94.1	96.1	98.1	102.8
15°	102.3	104.3	105.5	108.3	112.5	116.1	116.3	107.8	102.3	107.7	120.4
12.5°	105.0	107.8	110.1	115.9	124.8	136.5	149.9	161.3	163.6	146.8	145.1
10°	107.8	111.3	114.8	124.2	138.2	159.7	188.8	224.5	264.9	299.6	323.2
7.5°	119.6	125.0	126.3	132.7	152.4	184.7	231.4	294.7	379.7	471.6	583.1
5°	133.3	150.2	174.8	211.8	271.9	323.5	357.8	373.2	502.4	655.1	866.0
2.5°	147.1	176.2	225.3	304.5	463.7	645.5	840.8	1050.5	1288.8	1584.4	1917.2
0°	160.8	202.0	275.7	397.3	656.7	969.8	1327.8	1733.7	2207.6	2867.2	3626.4
-2.5°	226.7	305.8	442.2	693.2	1071.1	1426.3	1853.0	2307.8	2820.7	3607.6	4761.4
-5°	290.1	405.8	601.7	973.7	1465.9	1869.1	2357.9	2860.7	3456.3	4391.3	5798.8
-7.5°	349.0	499.6	749.3	1217.5	1786.2	2277.5	2880.8	3556.5	4296.7	5315.1	6746.3
-10°	405.6	598.7	882.4	1365.3	1998.3	2632.2	3362.1	4189.0	5073.0	6161.7	7600.6
-12.5°	481.2	700.9	1002.5	1489.6	2168.3	2927.0	3776.4	4740.6	5771.6	6920.7	8333.1
-15°	548.0	791.0	1108.3	1587.8	2289.7	3150.0	4111.8	5197.1	6310.6	7390.9	8763.6
-17.5°	604.7	867.5	1198.2	1657.7	2356.7	3290.4	4309.8	5345.5	6569.6	7739.9	9144.6
-20°	650.0	928.7	1271.1	1697.6	2375.7	3292.6	4242.9	5322.9	6630.7	7995.5	9371.1



REPORT NUMBER: P1212198 (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°	683.0	973.4	1329.9	1757.3	2394.1	3220.0	4138.2	5180.6	6511.2	8134.6	9630.3
-25°	708.1	1007.7	1374.1	1812.5	2389.0	3128.4	3996.5	4936.4	6249.3	8072.8	9934.7
-27.5°	725.2	1024.9	1400.4	1839.4	2364.2	3039.9	3855.7	4743.6	6033.0	7791.5	10006.6
-30°	728.9	1033.1	1406.1	1841.9	2359.0	2988.6	3711.9	4646.0	5755.8	7385.4	9445.3
-32.5°	728.4	1027.1	1399.5	1830.5	2331.5	2917.7	3625.5	4547.4	5604.4	6825.7	8688.5
-35°	729.3	1023.6	1377.0	1794.1	2271.7	2855.4	3558.1	4385.6	5396.3	6503.4	7986.9
-37.5°	727.7	1007.7	1335.2	1740.7	2206.6	2770.0	3433.8	4215.0	5134.4	6232.6	7480.3
-40°	713.7	979.7	1297.2	1674.1	2125.9	2656.8	3285.9	4008.4	4840.2	5875.6	7090.6
-42.5°	689.2	949.9	1252.4	1588.2	2031.2	2530.7	3091.9	3773.3	4552.5	5457.6	6538.1
-45°	665.7	905.6	1195.0	1526.0	1915.2	2381.1	2910.2	3497.2	4243.3	5040.1	5968.1
-47.5°	628.8	850.6	1126.9	1442.7	1799.6	2220.0	2700.7	3273.6	3914.6	4648.2	5413.0
-50°	584.4	790.2	1039.8	1339.3	1678.6	2052.6	2487.9	3020.4	3615.2	4255.8	4956.2
-52.5°	544.9	714.7	946.3	1214.6	1533.2	1886.9	2282.2	2752.1	3290.4	3873.5	4505.6
-55°	495.7	647.8	840.6	1083.8	1363.7	1692.7	2070.4	2485.9	2939.5	3470.1	4029.1
-57.5°	454.4	575.8	740.9	944.6	1193.1	1474.2	1825.8	2205.3	2615.7	3057.8	3531.8
-60°	416.8	509.5	641.6	813.7	1015.4	1271.3	1562.9	1898.5	2265.2	2652.2	3066.1
-62.5°	378.0	452.5	551.3	682.5	855.2	1061.8	1315.7	1596.4	1896.2	2231.1	2586.6
-65°	352.5	397.0	470.6	571.9	691.4	870.6	1075.0	1299.0	1558.4	1823.3	2101.9
-67.5°	323.8	361.9	406.0	464.0	564.9	696.6	837.5	1025.8	1230.6	1437.7	1653.9
-70°	304.8	326.9	361.2	403.0	457.1	545.3	666.2	794.7	932.3	1093.0	1277.9
-72.5°	287.3	307.1	327.7	348.9	393.1	455.2	526.2	605.3	710.2	835.5	965.9
-75°	273.7	287.2	304.7	323.4	349.8	383.4	422.8	482.9	556.3	638.0	722.4
-77.5°	263.0	275.2	287.7	300.2	319.0	345.3	374.2	405.7	449.2	499.4	552.5
-80°	253.2	263.0	274.1	285.3	300.2	317.2	335.5	355.1	384.9	420.6	460.8
-82.5°	245.4	254.7	263.9	273.1	283.5	294.6	306.7	320.9	344.1	369.3	395.7
-85°	237.8	246.3	255.0	263.6	271.9	280.5	289.5	298.7	314.4	331.0	348.2
-87.5°	231.7	239.5	247.4	255.2	261.5	267.9	274.4	281.0	291.4	302.0	312.9
-90°	78.0	75.6	73.2	70.8	67.9	65.1	62.2	59.4	56.0	52.7	49.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	292.0	302.1	312.1	322.2	332.2	345.9	359.5	373.2	386.8	402.1	417.4
87.5°	46.0	42.7	39.3	35.9	32.5	29.2	25.8	22.5	19.1	16.0	12.9
85°	46.1	42.8	39.4	36.0	32.6	29.3	25.9	22.5	19.2	16.1	12.9
82.5°	45.9	42.4	39.0	35.5	32.1	28.9	25.6	22.4	19.3	15.9	12.5
80°	45.6	42.2	38.8	35.4	32.1	28.9	25.7	22.5	19.4	16.0	12.6
77.5°	45.9	42.5	39.1	35.7	32.3	29.1	25.9	22.7	19.5	16.1	12.7
75°	46.3	42.9	39.5	36.1	32.6	29.3	25.9	22.5	19.1	15.7	12.4
72.5°	46.7	43.3	39.9	36.5	33.0	29.6	26.3	23.0	19.8	16.4	13.0
70°	47.3	43.8	40.4	36.9	33.5	30.0	26.6	23.2	19.7	16.2	12.8
67.5°	47.9	44.4	41.0	37.5	34.0	30.5	27.0	23.7	20.3	16.9	13.4
65°	48.6	45.1	41.6	38.1	34.6	31.0	27.6	24.1	20.4	16.8	13.3
62.5°	49.4	45.9	42.4	38.8	35.3	31.6	28.0	24.3	20.6	17.0	13.5
60°	50.3	46.8	43.2	39.7	36.0	32.4	28.6	24.9	21.1	17.4	13.8
57.5°	51.3	47.8	44.2	40.6	36.9	33.2	29.4	25.6	21.7	17.9	14.2
55°	52.4	48.8	45.2	41.6	37.8	34.0	30.2	26.3	22.4	18.4	14.6
52.5°	53.6	50.0	46.4	42.7	38.9	35.0	31.1	27.1	23.1	19.0	15.1
50°	55.0	51.4	47.7	43.9	40.1	36.2	32.2	28.1	23.9	19.7	15.7
47.5°	56.4	52.8	49.1	45.3	41.4	37.4	33.3	29.1	24.9	20.5	16.3
45°	58.0	54.4	50.7	46.8	42.9	38.8	34.6	30.3	25.9	21.4	17.0
42.5°	59.7	56.1	52.4	48.5	44.5	40.3	36.0	31.6	27.1	22.4	17.7
40°	61.4	58.1	54.3	50.4	46.3	42.0	37.7	33.1	28.4	23.6	18.7
37.5°	63.4	60.0	56.7	52.9	48.5	44.0	39.6	34.9	29.9	24.9	19.7
35°	65.4	62.6	59.6	55.4	51.1	46.9	42.3	37.3	31.7	26.9	21.7
32.5°	68.2	65.5	62.1	58.4	54.5	50.4	45.5	41.7	36.6	31.8	26.8
30°	71.2	68.5	66.3	62.7	59.2	55.9	53.2	50.2	46.6	41.5	34.5
27.5°	74.5	73.8	72.6	68.3	65.9	64.0	63.5	61.4	55.9	50.0	38.6
25°	78.9	80.5	77.4	75.2	74.3	75.1	73.1	69.3	58.0	46.2	33.2
22.5°	84.1	84.0	83.1	83.2	85.2	85.6	79.9	69.5	51.3	35.0	24.6
20°	88.5	88.5	91.1	97.4	99.5	100.6	87.8	65.3	44.0	37.1	32.7
17.5°	103.1	96.5	108.4	125.2	129.6	113.1	93.6	65.9	53.6	51.8	48.5
15°	130.6	140.2	153.2	162.4	165.8	144.8	107.6	96.6	90.6	95.1	96.1
12.5°	172.7	211.5	263.6	297.7	220.1	189.6	201.5	182.7	183.8	183.7	188.6
10°	339.7	305.2	430.5	596.5	795.3	913.5	423.5	761.7	1341.5	1512.0	835.4
7.5°	810.1	1106.0	1314.1	1374.9	1788.1	3491.5	5971.4	8633.1	15710.8	27710.7	35872.5
5°	1351.7	2108.5	2901.8	3800.8	4974.7	7666.2	14829.9	31429.8	53702.9	89605.2	131202.2
2.5°	2555.3	3686.9	4883.1	6520.3	8624.2	12320.9	23939.6	52770.0	93260.2	147720.7	202325.9
0°	4681.4	6564.5	8341.3	11289.0	14378.3	21860.9	41596.4	87453.9	151216.6	237825.2	323003.6
-2.5°	6211.9	8072.3	10168.0	13066.5	16890.8	25920.5	48166.0	97094.5	175298.7	266730.4	364537.8
-5°	7462.2	9513.9	11955.8	15049.7	19168.9	27348.2	48964.1	95916.7	171210.5	257590.7	348827.3
-7.5°	8481.8	10754.6	13497.1	16739.9	21025.4	28865.3	48895.5	92129.3	158822.4	241292.7	326162.5
-10°	9368.2	11728.5	14774.5	18290.6	22763.8	29772.2	44220.2	79280.8	140990.6	220852.7	300155.3
-12.5°	10267.1	12753.3	15762.6	19377.6	23755.8	30891.2	44516.6	71926.9	120602.7	188267.6	265959.7
-15°	10963.3	13619.2	16570.8	20439.1	25513.7	32236.8	42398.0	64647.3	103224.1	159236.8	226165.5
-17.5°	11301.8	14169.6	17488.2	21426.0	26349.1	32826.5	43265.6	59731.3	90697.7	136205.0	184049.0
-20°	11330.5	14479.9	17904.7	21910.3	26835.3	32955.0	41721.7	57711.4	82195.9	117507.7	156016.1



REPORT NUMBER: P1212198 (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°	11581.6	14393.8	17843.5	21773.6	26703.6	32419.6	40694.2	55305.7	74789.4	102901.7	134565.4
-25°	11699.4	14016.8	17507.7	21565.8	25882.7	31485.7	40267.2	51673.9	69398.2	92030.5	118942.7
-27.5°	11782.9	13914.4	16849.3	20896.6	25102.8	30459.7	38062.7	47823.1	63039.0	80513.7	103141.8
-30°	11852.8	13759.3	16323.2	19537.8	24040.2	29108.7	34988.2	44088.3	55936.1	70009.0	87534.0
-32.5°	11153.8	13658.3	15720.4	18535.3	22188.4	26814.0	32232.0	39976.5	48777.4	60137.1	73520.1
-35°	10197.7	12730.9	15302.6	17696.0	20709.5	24391.3	29312.2	35628.8	42607.2	51555.9	61426.8
-37.5°	9101.4	11443.5	13989.7	16709.6	19351.8	22387.8	26515.7	31285.0	36724.5	43679.2	50980.2
-40°	8372.6	9897.0	12309.2	14823.3	17477.2	20554.5	23871.8	27499.9	31726.0	36763.4	42088.2
-42.5°	7798.2	9152.5	10608.7	12718.0	15149.9	18024.9	21041.3	24139.1	27589.7	31222.9	34814.4
-45°	7036.4	8390.5	9782.3	11206.7	12861.8	15329.9	17964.6	20714.3	23697.8	26671.5	29301.9
-47.5°	6384.5	7505.0	8784.7	10123.2	11607.7	13275.7	15107.5	17252.1	19826.2	22385.3	24440.5
-50°	5759.1	6669.5	7760.0	8931.1	10206.7	11578.8	13019.0	14883.0	16848.2	18790.9	20185.4
-52.5°	5192.8	5969.5	6796.4	7729.8	8830.9	9947.5	11115.5	12726.1	14380.9	16040.9	17076.4
-55°	4633.2	5292.2	5993.1	6788.4	7635.2	8515.2	9511.0	10762.2	12065.5	13398.5	14245.9
-57.5°	4061.1	4614.9	5211.0	5889.3	6589.2	7305.3	8114.1	9027.7	9983.6	10936.3	11615.8
-60°	3502.1	3957.6	4481.5	5042.4	5614.4	6194.3	6879.2	7581.9	8281.0	8919.2	9367.3
-62.5°	2962.2	3358.3	3782.0	4238.0	4719.7	5220.8	5760.6	6315.4	6877.7	7369.0	7706.5
-65°	2405.4	2740.3	3089.6	3446.1	3808.2	4213.0	4656.4	5100.1	5539.7	5914.0	6201.3
-67.5°	1899.4	2155.9	2425.7	2701.9	2996.9	3310.2	3645.3	3980.4	4312.2	4591.7	4824.5
-70°	1462.6	1648.4	1836.3	2037.1	2264.3	2516.9	2788.7	3048.7	3296.7	3482.4	3629.1
-72.5°	1100.8	1242.9	1395.6	1559.4	1720.0	1906.9	2115.5	2324.5	2532.5	2681.1	2803.8
-75°	809.3	908.9	1028.9	1150.8	1273.6	1417.4	1572.7	1729.7	1887.0	1990.7	2075.1
-77.5°	617.6	694.6	774.4	854.8	935.4	1027.8	1124.3	1221.4	1318.2	1388.8	1452.3
-80°	503.0	552.6	605.0	658.8	713.8	776.7	841.4	906.4	971.4	1023.3	1072.8
-82.5°	423.1	456.0	490.4	525.7	561.8	605.1	649.2	693.5	737.8	774.5	810.4
-85°	366.0	387.9	410.3	433.0	456.0	485.8	516.1	546.6	577.2	603.0	628.5
-87.5°	324.0	339.0	354.2	369.6	385.0	404.7	424.6	444.5	464.4	483.3	502.2
-90°	46.0	42.6	39.3	35.9	32.5	29.2	25.8	22.5	19.1	16.0	12.9



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	432.7	448.0	449.5	450.9	449.5	448.0	432.7	417.4	402.1	386.8	373.2
87.5°	9.8	6.7	4.3	1.9	4.3	6.7	9.8	12.9	16.0	19.1	22.5
85°	9.8	6.7	4.3	1.9	4.3	6.7	9.8	12.9	16.1	19.2	22.5
82.5°	9.2	5.8	3.4	1.0	3.4	5.8	9.2	12.5	15.9	19.3	22.4
80°	9.2	5.8	3.4	1.0	3.4	5.8	9.2	12.6	16.0	19.4	22.5
77.5°	9.3	5.9	3.4	1.0	3.4	5.9	9.3	12.7	16.1	19.5	22.7
75°	9.2	5.9	3.4	1.0	3.4	5.9	9.2	12.4	15.7	19.1	22.5
72.5°	9.5	6.0	4.4	2.9	4.4	6.0	9.5	13.0	16.4	19.8	23.0
70°	9.4	6.1	3.5	1.0	3.5	6.1	9.4	12.8	16.2	19.7	23.2
67.5°	9.8	6.2	3.5	1.0	3.5	6.2	9.8	13.4	16.9	20.3	23.7
65°	9.8	6.3	3.6	1.0	3.6	6.3	9.8	13.3	16.8	20.4	24.1
62.5°	10.0	6.5	3.6	1.0	3.6	6.5	10.0	13.5	17.0	20.6	24.3
60°	10.3	6.7	3.7	1.0	3.7	6.7	10.3	13.8	17.4	21.1	24.9
57.5°	10.5	6.9	3.8	1.0	3.8	6.9	10.5	14.2	17.9	21.7	25.6
55°	10.9	7.1	3.5	0.0	3.5	7.1	10.9	14.6	18.4	22.4	26.3
52.5°	11.2	7.3	4.0	1.0	4.0	7.3	11.2	15.1	19.0	23.1	27.1
50°	11.6	7.6	3.7	0.0	3.7	7.6	11.6	15.7	19.7	23.9	28.1
47.5°	12.1	7.9	3.9	0.0	3.9	7.9	12.1	16.3	20.5	24.9	29.1
45°	12.6	8.3	4.3	1.0	4.3	8.3	12.6	17.0	21.4	25.9	30.3
42.5°	13.2	8.7	4.2	0.0	4.2	8.7	13.2	17.7	22.4	27.1	31.6
40°	13.9	9.1	4.6	1.0	4.6	9.1	13.9	18.7	23.6	28.4	33.1
37.5°	14.7	9.7	4.9	1.0	4.9	9.7	14.7	19.7	24.9	29.9	34.9
35°	16.1	10.6	5.1	1.0	5.1	10.6	16.1	21.7	26.9	31.7	37.3
32.5°	20.5	13.7	6.3	1.0	6.3	13.7	20.5	26.8	31.8	36.6	41.7
30°	26.6	18.0	8.5	0.0	8.5	18.0	26.6	34.5	41.5	46.6	50.2
27.5°	28.4	19.4	11.0	0.0	11.0	19.4	28.4	38.6	50.0	55.9	61.4
25°	21.9	13.0	6.0	6.7	6.0	13.0	21.9	33.2	46.2	58.0	69.3
22.5°	21.4	17.0	9.5	13.4	9.5	17.0	21.4	24.6	35.0	51.3	69.5
20°	30.6	25.6	21.2	18.2	21.2	25.6	30.6	32.7	37.1	44.0	65.3
17.5°	51.7	48.2	42.8	35.4	42.8	48.2	51.7	48.5	51.8	53.6	65.9
15°	94.8	88.7	81.4	74.7	81.4	88.7	94.8	96.1	95.1	90.6	96.6
12.5°	170.7	162.1	152.0	137.9	152.0	162.1	170.7	188.6	183.7	183.8	182.7
10°	1480.8	1773.0	2543.7	426.0	2543.7	1773.0	1480.8	835.4	1512.0	1341.5	761.7
7.5°	47356.2	64466.2	70944.8	71591.3	70944.8	64466.2	47356.2	35872.5	27710.7	15710.8	8633.1
5°	172712.1	225550.0	260637.7	269444.2	260637.7	225550.0	172712.1	131202.2	89605.2	53702.9	31429.8
2.5°	270537.0	344801.4	406070.3	428317.2	406070.3	344801.4	270537.0	202325.9	147720.7	93260.2	52770.0
0°	414598.5	510957.1	601484.1	642525.3	601484.1	510957.1	414598.5	323003.6	237825.2	151216.6	87453.9
-2.5°	462601.3	570687.9	647988.2	680838.5	647988.2	570687.9	462601.3	364537.8	266730.4	175298.7	97094.5
-5°	435295.4	509399.5	556611.8	574046.8	556611.8	509399.5	435295.4	348827.3	257590.7	171210.5	95916.7
-7.5°	404055.0	459118.8	492215.8	503399.9	492215.8	459118.8	404055.0	326162.5	241292.7	158822.4	92129.3
-10°	372242.4	428263.8	456755.1	467583.9	456755.1	428263.8	372242.4	300155.3	220852.7	140990.6	79280.8
-12.5°	335725.9	391776.1	423877.8	438174.9	423877.8	391776.1	335725.9	265959.7	188267.6	120602.7	71926.9
-15°	289491.3	344925.2	381364.3	395622.6	381364.3	344925.2	289491.3	226165.5	159236.8	103224.1	64647.3
-17.5°	239690.0	290223.4	324711.3	339761.8	324711.3	290223.4	239690.0	184049.0	136205.0	90697.7	59731.3
-20°	198858.3	238709.0	266935.6	276343.8	266935.6	238709.0	198858.3	156016.1	117507.7	82195.9	57711.4



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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°	170114.8	200891.5	223664.2	233627.3	223664.2	200891.5	170114.8	134565.4	102901.7	74789.4	55305.7
-25°	148268.7	173385.4	194127.4	200503.3	194127.4	173385.4	148268.7	118942.7	92030.5	69398.2	51673.9
-27.5°	127275.5	146775.1	163916.3	171142.7	163916.3	146775.1	127275.5	103141.8	80513.7	63039.0	47823.1
-30°	105784.7	120340.5	133744.2	137407.9	133744.2	120340.5	105784.7	87534.0	70009.0	55936.1	44088.3
-32.5°	86651.2	97998.6	108401.7	113494.5	108401.7	97998.6	86651.2	73520.1	60137.1	48777.4	39976.5
-35°	70642.7	78645.6	85473.7	87556.4	85473.7	78645.6	70642.7	61426.8	51555.9	42607.2	35628.8
-37.5°	57096.6	62536.8	66959.8	68420.1	66959.8	62536.8	57096.6	50980.2	43679.2	36724.5	31285.0
-40°	45995.2	49499.1	52411.2	54298.4	52411.2	49499.1	45995.2	42088.2	36763.4	31726.0	27499.9
-42.5°	37358.9	39731.0	41543.0	42455.1	41543.0	39731.0	37358.9	34814.4	31222.9	27589.7	24139.1
-45°	31155.9	32890.2	34120.2	34642.3	34120.2	32890.2	31155.9	29301.9	26671.5	23697.8	20714.3
-47.5°	25838.3	27055.0	27874.6	28274.1	27874.6	27055.0	25838.3	24440.5	22385.3	19826.2	17252.1
-50°	21243.5	22227.3	22790.8	22932.1	22790.8	22227.3	21243.5	20185.4	18790.9	16848.2	14883.0
-52.5°	17867.4	18558.1	19094.0	19497.2	19094.0	18558.1	17867.4	17076.4	16040.9	14380.9	12726.1
-55°	14995.7	15667.1	16101.8	16360.9	16101.8	15667.1	14995.7	14245.9	13398.5	12065.5	10762.2
-57.5°	12259.7	12856.0	13300.1	13631.6	13300.1	12856.0	12259.7	11615.8	10936.3	9983.6	9027.7
-60°	9792.8	10188.0	10415.3	10548.9	10415.3	10188.0	9792.8	9367.3	8919.2	8281.0	7581.9
-62.5°	8013.7	8288.5	8410.0	8461.0	8410.0	8288.5	8013.7	7706.5	7369.0	6877.7	6315.4
-65°	6463.2	6698.4	6776.5	6795.2	6776.5	6698.4	6463.2	6201.3	5914.0	5539.7	5100.1
-67.5°	5042.8	5243.5	5303.0	5316.1	5303.0	5243.5	5042.8	4824.5	4591.7	4312.2	3980.4
-70°	3763.2	3884.3	3916.1	3924.1	3916.1	3884.3	3763.2	3629.1	3482.4	3296.7	3048.7
-72.5°	2919.8	3027.8	3041.1	3033.8	3041.1	3027.8	2919.8	2803.8	2681.1	2532.5	2324.5
-75°	2152.3	2222.2	2281.7	2334.0	2281.7	2222.2	2152.3	2075.1	1990.7	1887.0	1729.7
-77.5°	1512.7	1569.5	1564.1	1551.8	1564.1	1569.5	1512.7	1452.3	1388.8	1318.2	1221.4
-80°	1120.7	1167.0	1171.6	1172.7	1171.6	1167.0	1120.7	1072.8	1023.3	971.4	906.4
-82.5°	845.5	879.8	885.5	889.4	885.5	879.8	845.5	810.4	774.5	737.8	693.5
-85°	653.7	678.5	688.0	696.9	688.0	678.5	653.7	628.5	603.0	577.2	546.6
-87.5°	520.9	539.5	540.8	541.9	540.8	539.5	520.9	502.2	483.3	464.4	444.5
-90°	9.8	6.7	4.3	1.9	4.3	6.7	9.8	12.9	16.0	19.1	22.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	359.5	345.9	332.2	322.2	312.1	302.1	292.0	285.5	279.1	272.6	266.1
87.5°	25.8	29.2	32.5	35.9	39.3	42.7	46.0	49.2	52.4	55.5	58.7
85°	25.9	29.3	32.6	36.0	39.4	42.8	46.1	49.4	52.6	55.8	58.9
82.5°	25.6	28.9	32.1	35.5	39.0	42.4	45.9	49.3	52.7	56.2	59.6
80°	25.7	28.9	32.1	35.4	38.8	42.2	45.6	48.9	52.3	55.7	59.1
77.5°	25.9	29.1	32.3	35.7	39.1	42.5	45.9	49.2	52.6	56.0	59.2
75°	25.9	29.3	32.6	36.1	39.5	42.9	46.3	49.6	53.0	56.4	59.6
72.5°	26.3	29.6	33.0	36.5	39.9	43.3	46.7	50.1	53.5	56.9	60.0
70°	26.6	30.0	33.5	36.9	40.4	43.8	47.3	50.7	54.1	57.4	60.5
67.5°	27.0	30.5	34.0	37.5	41.0	44.4	47.9	51.3	54.7	58.1	61.2
65°	27.6	31.0	34.6	38.1	41.6	45.1	48.6	52.0	55.4	58.8	61.9
62.5°	28.0	31.6	35.3	38.8	42.4	45.9	49.4	52.9	56.3	59.5	62.5
60°	28.6	32.4	36.0	39.7	43.2	46.8	50.3	53.8	57.2	60.3	63.1
57.5°	29.4	33.2	36.9	40.6	44.2	47.8	51.3	54.8	58.2	61.1	64.0
55°	30.2	34.0	37.8	41.6	45.2	48.8	52.4	55.9	59.2	62.1	64.9
52.5°	31.1	35.0	38.9	42.7	46.4	50.0	53.6	57.1	60.3	63.1	66.0
50°	32.2	36.2	40.1	43.9	47.7	51.4	55.0	58.5	61.6	64.4	67.1
47.5°	33.3	37.4	41.4	45.3	49.1	52.8	56.4	59.7	62.8	66.0	68.6
45°	34.6	38.8	42.9	46.8	50.7	54.4	58.0	61.2	64.1	67.1	70.5
42.5°	36.0	40.3	44.5	48.5	52.4	56.1	59.7	62.9	65.9	68.4	71.4
40°	37.7	42.0	46.3	50.4	54.3	58.1	61.4	64.7	67.8	70.5	72.6
37.5°	39.6	44.0	48.5	52.9	56.7	60.0	63.4	66.6	69.6	72.3	74.5
35°	42.3	46.9	51.1	55.4	59.6	62.6	65.4	68.6	71.5	74.2	76.3
32.5°	45.5	50.4	54.5	58.4	62.1	65.5	68.2	70.8	73.5	76.1	78.3
30°	53.2	55.9	59.2	62.7	66.3	68.5	71.2	73.4	75.6	78.1	80.5
27.5°	63.5	64.0	65.9	68.3	72.6	73.8	74.5	76.6	78.1	80.3	82.5
25°	73.1	75.1	74.3	75.2	77.4	80.5	78.9	80.1	81.3	82.6	84.7
22.5°	79.9	85.6	85.2	83.2	83.1	84.0	84.1	83.9	85.1	86.1	87.3
20°	87.8	100.6	99.5	97.4	91.1	88.5	88.5	90.1	91.0	90.8	90.5
17.5°	93.6	113.1	129.6	125.2	108.4	96.5	103.1	102.8	98.1	96.1	94.1
15°	107.6	144.8	165.8	162.4	153.2	140.2	130.6	120.4	107.7	102.3	107.8
12.5°	201.5	189.6	220.1	297.7	263.6	211.5	172.7	145.1	146.8	163.6	161.3
10°	423.5	913.5	795.3	596.5	430.5	305.2	339.7	323.2	299.6	264.9	224.5
7.5°	5971.4	3491.5	1788.1	1374.9	1314.1	1106.0	810.1	583.1	471.6	379.7	294.7
5°	14829.9	7666.2	4974.7	3800.8	2901.8	2108.5	1351.7	866.0	655.1	502.4	373.2
2.5°	23939.6	12320.9	8624.2	6520.3	4883.1	3686.9	2555.3	1917.2	1584.4	1288.8	1050.5
0°	41596.4	21860.9	14378.3	11289.0	8341.3	6564.5	4681.4	3626.4	2867.2	2207.6	1733.7
-2.5°	48166.0	25920.5	16890.8	13066.5	10168.0	8072.3	6211.9	4761.4	3607.6	2820.7	2307.8
-5°	48964.1	27348.2	19168.9	15049.7	11955.8	9513.9	7462.2	5798.8	4391.3	3456.3	2860.7
-7.5°	48895.5	28865.3	21025.4	16739.9	13497.1	10754.6	8481.8	6746.3	5315.1	4296.7	3556.5
-10°	44220.2	29772.2	22763.8	18290.6	14774.5	11728.5	9368.2	7600.6	6161.7	5073.0	4189.0
-12.5°	44516.6	30891.2	23755.8	19377.6	15762.6	12753.3	10267.1	8333.1	6920.7	5771.6	4740.6
-15°	42398.0	32236.8	25513.7	20439.1	16570.8	13619.2	10963.3	8763.6	7390.9	6310.6	5197.1
-17.5°	43265.6	32826.5	26349.1	21426.0	17488.2	14169.6	11301.8	9144.6	7739.9	6569.6	5345.5
-20°	41721.7	32955.0	26835.3	21910.3	17904.7	14479.9	11330.5	9371.1	7995.5	6630.7	5322.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	40694.2	32419.6	26703.6	21773.6	17843.5	14393.8	11581.6	9630.3	8134.6	6511.2	5180.6
-25°	40267.2	31485.7	25882.7	21565.8	17507.7	14016.8	11699.4	9934.7	8072.8	6249.3	4936.4
-27.5°	38062.7	30459.7	25102.8	20896.6	16849.3	13914.4	11782.9	10006.6	7791.5	6033.0	4743.6
-30°	34988.2	29108.7	24040.2	19537.8	16323.2	13759.3	11852.8	9445.3	7385.4	5755.8	4646.0
-32.5°	32232.0	26814.0	22188.4	18535.3	15720.4	13658.3	11153.8	8688.5	6825.7	5604.4	4547.4
-35°	29312.2	24391.3	20709.5	17696.0	15302.6	12730.9	10197.7	7986.9	6503.4	5396.3	4385.6
-37.5°	26515.7	22387.8	19351.8	16709.6	13989.7	11443.5	9101.4	7480.3	6232.6	5134.4	4215.0
-40°	23871.8	20554.5	17477.2	14823.3	12309.2	9897.0	8372.6	7090.6	5875.6	4840.2	4008.4
-42.5°	21041.3	18024.9	15149.9	12718.0	10608.7	9152.5	7798.2	6538.1	5457.6	4552.5	3773.3
-45°	17964.6	15329.9	12861.8	11206.7	9782.3	8390.5	7036.4	5968.1	5040.1	4243.3	3497.2
-47.5°	15107.5	13275.7	11607.7	10123.2	8784.7	7505.0	6384.5	5413.0	4648.2	3914.6	3273.6
-50°	13019.0	11578.8	10206.7	8931.1	7760.0	6669.5	5759.1	4956.2	4255.8	3615.2	3020.4
-52.5°	11115.5	9947.5	8830.9	7729.8	6796.4	5969.5	5192.8	4505.6	3873.5	3290.4	2752.1
-55°	9511.0	8515.2	7635.2	6788.4	5993.1	5292.2	4633.2	4029.1	3470.1	2939.5	2485.9
-57.5°	8114.1	7305.3	6589.2	5889.3	5211.0	4614.9	4061.1	3531.8	3057.8	2615.7	2205.3
-60°	6879.2	6194.3	5614.4	5042.4	4481.5	3957.6	3502.1	3066.1	2652.2	2265.2	1898.5
-62.5°	5760.6	5220.8	4719.7	4238.0	3782.0	3358.3	2962.2	2586.6	2231.1	1896.2	1596.4
-65°	4656.4	4213.0	3808.2	3446.1	3089.6	2740.3	2405.4	2101.9	1823.3	1558.4	1299.0
-67.5°	3645.3	3310.2	2996.9	2701.9	2425.7	2155.9	1899.4	1653.9	1437.7	1230.6	1025.8
-70°	2788.7	2516.9	2264.3	2037.1	1836.3	1648.4	1462.6	1277.9	1093.0	932.3	794.7
-72.5°	2115.5	1906.9	1720.0	1559.4	1395.6	1242.9	1100.8	965.9	835.5	710.2	605.3
-75°	1572.7	1417.4	1273.6	1150.8	1028.9	908.9	809.3	722.4	638.0	556.3	482.9
-77.5°	1124.3	1027.8	935.4	854.8	774.4	694.6	617.6	552.5	499.4	449.2	405.7
-80°	841.4	776.7	713.8	658.8	605.0	552.6	503.0	460.8	420.6	384.9	355.1
-82.5°	649.2	605.1	561.8	525.7	490.4	456.0	423.1	395.7	369.3	344.1	320.9
-85°	516.1	485.8	456.0	433.0	410.3	387.9	366.0	348.2	331.0	314.4	298.7
-87.5°	424.6	404.7	385.0	369.6	354.2	339.0	324.0	312.9	302.0	291.4	281.0
-90°	25.8	29.2	32.5	35.9	39.3	42.6	46.0	49.3	52.7	56.0	59.4



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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°	261.3	256.6	251.8	247.0	239.8	232.7	225.5	218.3	205.6	192.9	180.2
87.5°	61.6	64.5	67.4	70.3	72.9	75.4	77.9	80.4	82.3	84.3	86.2
85°	61.7	64.5	67.3	70.1	72.7	75.2	77.9	80.5	82.4	84.3	86.2
82.5°	62.5	65.3	68.1	70.8	73.2	75.6	78.1	80.5	82.5	84.4	86.3
80°	62.1	65.1	68.0	70.9	73.5	76.0	78.3	80.7	82.6	84.5	86.4
77.5°	62.2	65.0	67.8	70.7	73.4	76.0	78.5	80.8	82.7	84.6	86.5
75°	62.7	65.7	68.6	71.2	73.6	76.1	78.7	81.0	82.9	84.7	86.6
72.5°	62.9	66.0	69.1	72.0	74.2	76.5	79.0	81.2	83.1	84.9	86.8
70°	63.4	66.2	69.1	72.0	74.6	77.0	79.3	81.4	83.3	85.1	86.9
67.5°	64.3	67.2	69.9	72.2	74.8	77.3	79.7	81.7	83.5	85.3	87.1
65°	65.0	68.0	70.9	73.0	75.3	77.7	80.1	82.0	83.8	85.6	87.4
62.5°	65.6	68.7	71.5	73.8	76.0	78.2	80.6	82.3	84.1	85.9	87.6
60°	66.0	69.1	72.1	74.4	76.7	78.9	81.0	82.7	84.5	86.2	87.9
57.5°	66.8	69.6	72.4	75.0	77.3	79.5	81.4	83.1	84.8	86.5	88.2
55°	67.7	70.4	72.9	75.5	77.9	80.1	81.9	83.6	85.2	86.9	88.4
52.5°	68.7	71.3	73.8	76.1	78.6	80.7	82.5	84.0	85.6	87.2	88.7
50°	69.8	72.5	74.8	77.0	79.3	81.4	83.2	84.7	86.1	87.7	89.0
47.5°	71.0	73.6	76.1	78.1	80.2	82.1	83.8	85.4	86.6	88.1	89.3
45°	72.6	74.9	77.4	79.5	81.0	82.8	84.5	86.2	87.3	88.5	89.7
42.5°	74.2	76.3	78.6	81.0	82.2	83.6	85.2	86.9	88.1	89.0	90.1
40°	75.3	77.8	80.0	82.1	83.5	84.4	86.0	87.6	88.9	89.6	90.6
37.5°	76.6	79.2	81.4	83.0	84.7	85.6	86.8	88.3	89.7	90.3	91.1
35°	78.4	80.6	82.6	84.1	85.6	86.8	87.6	89.0	90.4	91.0	91.6
32.5°	80.1	82.1	83.9	85.4	86.6	88.1	88.6	90.0	91.1	91.8	92.1
30°	82.1	83.6	85.2	86.8	87.8	89.1	90.0	91.1	92.0	92.5	92.7
27.5°	84.2	85.4	86.7	88.1	89.1	90.1	91.6	92.4	93.0	93.3	93.4
25°	86.4	87.4	88.4	89.5	90.5	92.3	93.3	93.8	94.0	94.1	94.0
22.5°	88.5	89.5	90.2	90.9	93.8	94.9	95.2	95.4	95.2	94.9	94.7
20°	90.9	91.7	93.1	95.5	97.3	97.8	97.4	97.0	96.5	95.8	95.4
17.5°	93.5	99.2	101.9	101.4	101.3	101.0	99.7	98.6	97.9	96.8	96.0
15°	116.3	116.1	112.5	108.3	105.5	104.3	102.3	100.3	99.3	97.7	97.4
12.5°	149.9	136.5	124.8	115.9	110.1	107.8	105.0	101.9	100.7	100.0	99.8
10°	188.8	159.7	138.2	124.2	114.8	111.3	107.8	105.4	104.6	103.3	102.2
7.5°	231.4	184.7	152.4	132.7	126.3	125.0	119.6	112.7	108.9	106.7	104.6
5°	357.8	323.5	271.9	211.8	174.8	150.2	133.3	120.4	113.1	110.1	107.1
2.5°	840.8	645.5	463.7	304.5	225.3	176.2	147.1	128.2	117.4	113.5	109.6
0°	1327.8	969.8	656.7	397.3	275.7	202.0	160.8	135.9	121.6	116.8	112.0
-2.5°	1853.0	1426.3	1071.1	693.2	442.2	305.8	226.7	171.8	140.9	127.7	119.5
-5°	2357.9	1869.1	1465.9	973.7	601.7	405.8	290.1	206.4	159.7	138.4	126.9
-7.5°	2880.8	2277.5	1786.2	1217.5	749.3	499.6	349.0	238.7	177.6	148.8	134.1
-10°	3362.1	2632.2	1998.3	1365.3	882.4	598.7	405.6	268.0	194.1	158.7	141.1
-12.5°	3776.4	2927.0	2168.3	1489.6	1002.5	700.9	481.2	313.9	211.8	168.0	147.7
-15°	4111.8	3150.0	2289.7	1587.8	1108.3	791.0	548.0	364.0	247.1	183.0	154.0
-17.5°	4309.8	3290.4	2356.7	1657.7	1198.2	867.5	604.7	407.0	278.2	204.5	164.5
-20°	4242.9	3292.6	2375.7	1697.6	1271.1	928.7	650.0	442.0	304.5	223.6	177.5



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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°	4138.2	3220.0	2394.1	1757.3	1329.9	973.4	683.0	468.1	325.3	240.0	189.3
-25°	3996.5	3128.4	2389.0	1812.5	1374.1	1007.7	708.1	484.7	340.1	253.4	199.5
-27.5°	3855.7	3039.9	2364.2	1839.4	1400.4	1024.9	725.2	501.6	351.4	263.5	208.1
-30°	3711.9	2988.6	2359.0	1841.9	1406.1	1033.1	728.9	510.2	363.1	272.5	214.9
-32.5°	3625.5	2917.7	2331.5	1830.5	1399.5	1027.1	728.4	509.7	369.8	280.2	220.8
-35°	3558.1	2855.4	2271.7	1794.1	1377.0	1023.6	729.3	499.7	371.6	285.3	225.6
-37.5°	3433.8	2770.0	2206.6	1740.7	1335.2	1007.7	727.7	505.4	368.1	287.6	229.0
-40°	3285.9	2656.8	2125.9	1674.1	1297.2	979.7	713.7	507.3	366.0	287.2	231.1
-42.5°	3091.9	2530.7	2031.2	1588.2	1252.4	949.9	689.2	498.3	367.2	286.9	231.8
-45°	2910.2	2381.1	1915.2	1526.0	1195.0	905.6	665.7	480.6	362.5	286.0	232.3
-47.5°	2700.7	2220.0	1799.6	1442.7	1126.9	850.6	628.8	465.9	351.4	283.2	233.4
-50°	2487.9	2052.6	1678.6	1339.3	1039.8	790.2	584.4	442.8	343.9	278.0	233.5
-52.5°	2282.2	1886.9	1533.2	1214.6	946.3	714.7	544.9	413.4	332.3	273.6	232.6
-55°	2070.4	1692.7	1363.7	1083.8	840.6	647.8	495.7	392.9	316.9	269.0	230.8
-57.5°	1825.8	1474.2	1193.1	944.6	740.9	575.8	454.4	367.7	305.7	262.6	229.0
-60°	1562.9	1271.3	1015.4	813.7	641.6	509.5	416.8	343.1	294.7	255.2	225.4
-62.5°	1315.7	1061.8	855.2	682.5	551.3	452.5	378.0	326.0	281.6	249.1	220.7
-65°	1075.0	870.6	691.4	571.9	470.6	397.0	352.5	306.6	271.7	242.2	215.8
-67.5°	837.5	696.6	564.9	464.0	406.0	361.9	323.8	291.9	262.0	234.5	211.5
-70°	666.2	545.3	457.1	403.0	361.2	326.9	304.8	279.0	251.5	228.9	206.8
-72.5°	526.2	455.2	393.1	348.9	327.7	307.1	287.3	266.4	244.5	223.0	201.8
-75°	422.8	383.4	349.8	323.4	304.7	287.2	273.7	258.0	237.2	216.7	198.4
-77.5°	374.2	345.3	319.0	300.2	287.7	275.2	263.0	249.2	230.3	212.6	195.4
-80°	335.5	317.2	300.2	285.3	274.1	263.0	253.2	242.2	225.1	208.4	192.1
-82.5°	306.7	294.6	283.5	273.1	263.9	254.7	245.4	235.5	219.5	203.9	188.9
-85°	289.5	280.5	271.9	263.6	255.0	246.3	237.8	229.2	214.7	200.4	186.2
-87.5°	274.4	267.9	261.5	255.2	247.4	239.5	231.7	223.9	210.3	196.7	183.3
-90°	62.2	65.1	67.9	70.8	73.2	75.6	78.0	80.4	82.3	84.3	86.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	167.5	152.2	136.9	121.6	106.3	100.5	94.8
87.5°	88.1	89.5	91.0	92.4	93.8	94.3	94.8
85°	88.1	89.6	91.0	92.4	93.8	94.3	94.8
82.5°	88.2	89.6	91.0	92.4	93.8	94.3	94.8
80°	88.2	89.6	91.0	92.4	93.8	94.3	94.8
77.5°	88.3	89.7	91.1	92.5	93.8	94.3	94.8
75°	88.4	89.8	91.1	92.5	93.8	94.3	94.8
72.5°	88.5	89.8	91.2	92.6	93.8	94.3	94.8
70°	88.6	89.9	91.3	92.6	93.9	94.3	94.8
67.5°	88.7	90.1	91.4	92.7	93.9	94.3	94.8
65°	88.9	90.2	91.5	92.8	93.9	94.3	94.8
62.5°	89.0	90.3	91.6	92.9	93.9	94.4	94.8
60°	89.2	90.5	91.7	92.9	93.9	94.4	94.8
57.5°	89.4	90.6	91.8	93.0	94.0	94.4	94.8
55°	89.6	90.8	92.0	93.1	94.0	94.4	94.8
52.5°	89.8	91.0	92.1	93.3	94.0	94.4	94.8
50°	90.0	91.2	92.3	93.4	94.1	94.4	94.8
47.5°	90.3	91.4	92.4	93.5	94.1	94.4	94.8
45°	90.6	91.6	92.6	93.6	94.2	94.4	94.8
42.5°	91.0	91.8	92.8	93.8	94.3	94.5	94.8
40°	91.4	92.0	93.0	93.9	94.3	94.5	94.8
37.5°	91.8	92.3	93.2	94.0	94.4	94.5	94.8
35°	92.2	92.6	93.4	94.2	94.5	94.5	94.8
32.5°	92.7	92.9	93.6	94.4	94.5	94.5	94.8
30°	93.2	93.3	93.8	94.5	94.6	94.5	94.8
27.5°	93.6	93.7	94.2	94.8	94.7	94.6	94.8
25°	94.1	94.1	94.6	95.0	94.8	94.6	94.8
22.5°	94.7	94.7	95.1	95.2	94.9	94.6	94.8
20°	95.2	95.6	95.7	95.5	95.0	94.6	94.8
17.5°	96.3	96.5	96.2	95.7	95.1	94.6	94.8
15°	97.9	97.5	96.8	96.0	95.2	94.7	94.8
12.5°	99.6	98.5	97.4	96.3	95.3	94.7	94.8
10°	101.3	99.4	98.0	96.5	95.3	94.7	94.8
7.5°	103.0	100.5	98.7	96.8	95.4	94.7	94.8
5°	104.8	101.4	99.3	97.1	95.5	94.8	94.8
2.5°	106.5	102.4	99.9	97.3	95.6	94.8	94.8
0°	108.2	103.4	100.5	97.6	95.7	94.8	94.8
-2.5°	113.5	106.7	102.5	98.9	96.5	95.1	94.8
-5°	118.8	109.9	104.5	100.2	97.2	95.4	94.8
-7.5°	123.8	113.0	106.4	101.5	97.9	95.7	94.8
-10°	128.6	116.0	108.3	102.8	98.7	96.0	94.8
-12.5°	133.2	118.9	110.2	104.0	99.4	96.3	94.8
-15°	137.4	121.6	111.9	105.2	100.1	96.6	94.8
-17.5°	141.1	124.2	113.6	106.3	100.7	96.9	94.8
-20°	146.4	126.5	115.2	107.4	101.4	97.2	94.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	154.1	128.6	116.7	108.4	102.0	97.5	94.8
-25°	161.1	132.9	118.1	109.4	102.6	97.8	94.8
-27.5°	167.3	138.0	119.4	110.3	103.2	98.0	94.8
-30°	172.6	142.5	120.8	111.2	103.7	98.3	94.8
-32.5°	177.0	146.7	124.1	111.9	104.2	98.5	94.8
-35°	181.4	150.3	127.0	112.6	104.7	98.8	94.8
-37.5°	185.5	153.6	129.7	113.3	105.1	99.0	94.8
-40°	188.9	156.7	132.1	113.8	105.5	99.2	94.8
-42.5°	191.5	159.4	134.2	114.7	105.9	99.4	94.8
-45°	193.4	161.5	136.1	116.1	106.2	99.6	94.8
-47.5°	194.5	163.2	137.6	117.3	106.4	99.7	94.8
-50°	195.5	164.3	138.9	118.5	106.7	99.9	94.8
-52.5°	195.9	164.9	139.9	119.5	106.9	100.0	94.8
-55°	195.5	165.4	140.6	120.5	107.0	100.2	94.8
-57.5°	194.5	165.5	141.0	121.3	107.1	100.3	94.8
-60°	193.0	165.2	141.2	121.9	107.2	100.4	94.8
-62.5°	191.4	164.4	141.6	122.4	107.3	100.5	94.8
-65°	189.3	163.3	141.9	122.8	107.4	100.5	94.8
-67.5°	186.7	162.4	142.0	123.1	107.4	100.6	94.8
-70°	183.6	161.9	141.9	123.2	107.4	100.7	94.8
-72.5°	181.9	161.1	141.6	123.3	107.4	100.7	94.8
-75°	180.3	160.1	141.1	123.4	107.3	100.7	94.8
-77.5°	178.3	158.9	140.7	123.4	107.2	100.7	94.8
-80°	176.0	157.8	140.2	123.2	107.1	100.7	94.8
-82.5°	174.1	156.6	139.6	123.0	106.9	100.7	94.8
-85°	172.1	155.3	138.8	122.6	106.7	100.6	94.8
-87.5°	169.9	153.8	137.9	122.1	106.5	100.6	94.8
-90°	88.1	89.5	91.0	92.4	93.8	94.3	94.8

(END OF REPORT)