

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: P1212201 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-3S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212201 (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: EPHEBUS  
Catalog Number: EPH-LS12-1000R-57-80-3S-ECV  
Description: EPHEBUS LS12 LUMINAIRE  
(12) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

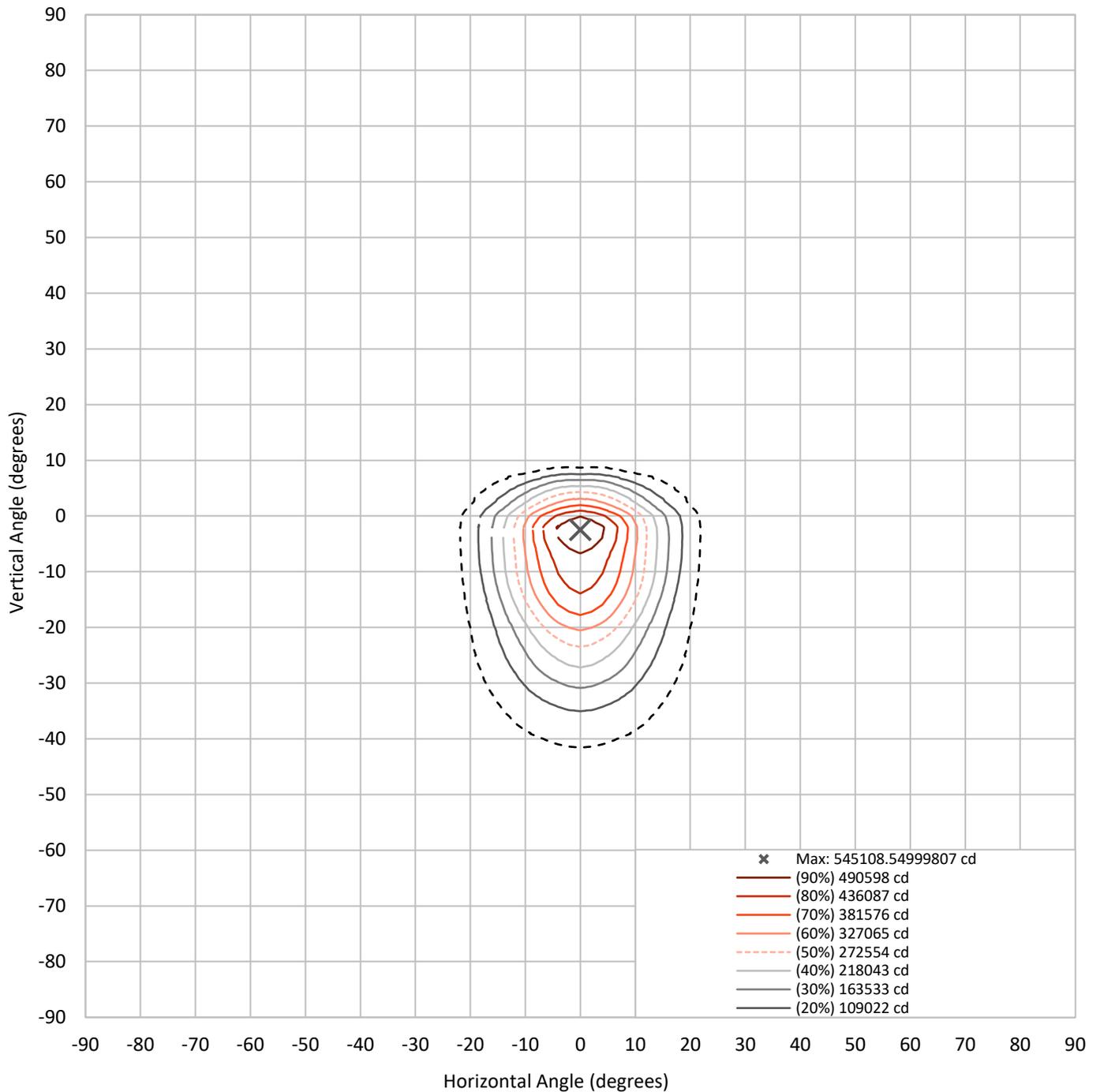
Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	134317.5 lumens	Max Intensity:	545108.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	129.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	24.4°H x 27.8°V	Field Angle (10%):	43.8°H x 50.3°V
Beam Lumens:	63057.1 lumens	Field Lumens:	112180.5 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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### Iso-Candela Plot



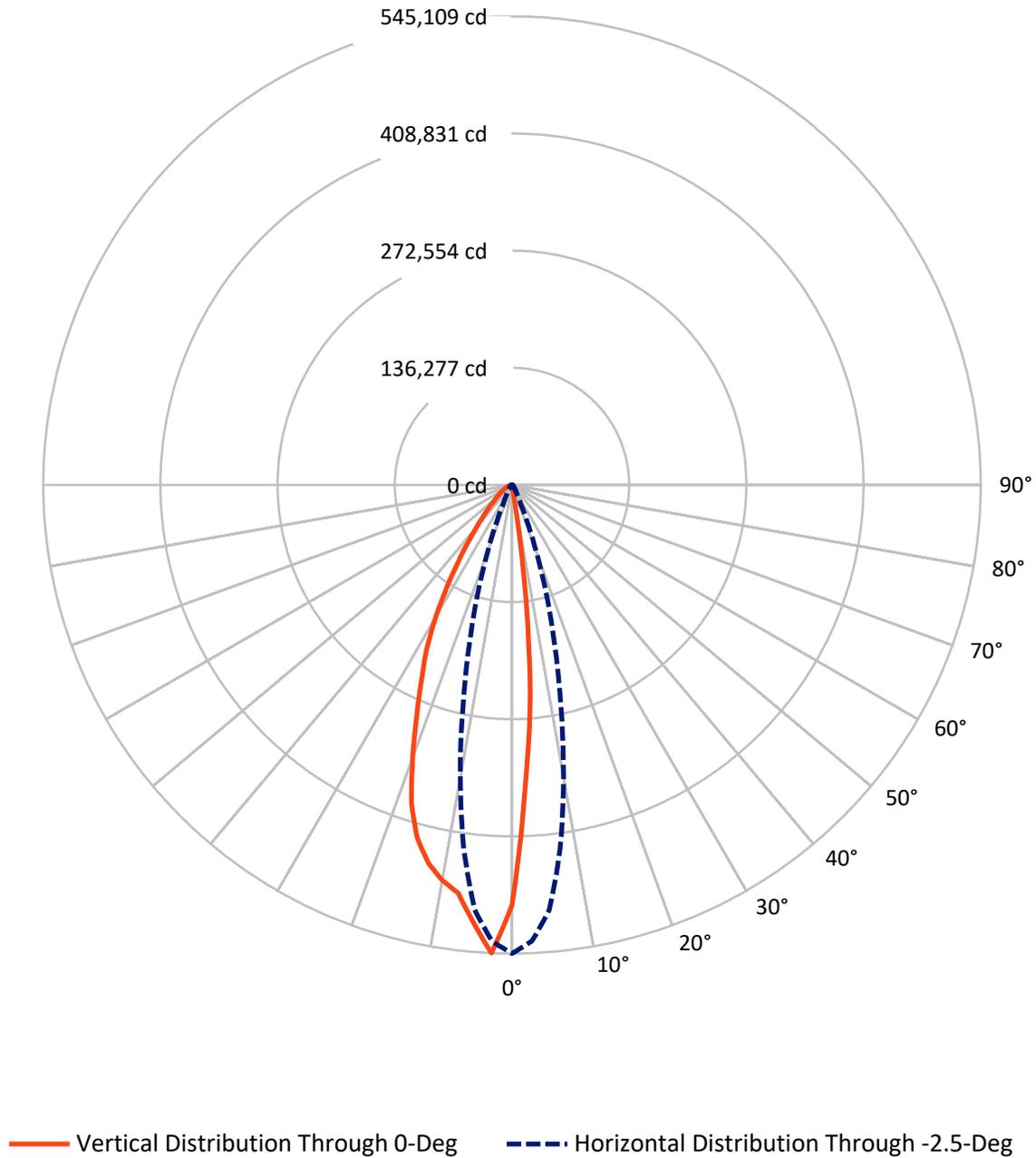
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### Lumen Table

90	2.3	6.0		7.2		6.2		4.8		6.2		7.2		6.0		2.3			
80	2.3	6.0		7.2		6.2		4.8		6.2		7.2		6.0		2.3			
70	2.2	1.2	1.5	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.5	1.2	2.2			
60		1.3	1.5	1.6	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.6	1.5	1.3				
50	2.2	1.3	1.6	1.8	1.7	1.4	0.9	0.3	0.3	0.9	1.4	1.7	1.8	1.6	1.3	2.2			
40		1.3	1.7	1.9	1.9	1.7	1.2	0.4	0.4	1.2	1.7	1.9	1.9	1.7	1.3				
30	2.3	1.4	1.8	2.1	2.3	2.4	1.7	0.6	0.6	1.7	2.4	2.3	2.1	1.8	1.4	2.3			
20		1.5	2.3	3.3	4.8	8.7	14.4	16.6	16.6	14.4	8.7	4.8	3.3	2.3	1.5				
10	2.7	1.9	5.6	17.5	55.7	354.4	2377.3	6114.2	6114.2	2377.3	354.4	55.7	17.5	5.6	1.9	2.7			
0		3.6	20.5	68.1	192.5	906.7	5687.8	13363.7	13363.7	5687.8	906.7	192.5	68.1	20.5	3.6				
-10	3.6	6.2	33.3	113.1	268.8	888.6	4608.0	11005.0	11005.0	4608.0	888.6	268.8	113.1	33.3	6.2	3.6			
-20		8.2	37.1	118.9	292.1	764.4	2842.4	6570.3	6570.3	2842.4	764.4	292.1	118.9	37.1	8.2				
-30	4.4	8.5	36.0	105.9	261.0	577.1	1504.8	2995.7	2995.7	1504.8	577.1	261.0	105.9	36.0	8.5	4.4			
-40		7.9	30.8	85.8	191.2	377.4	730.3	1130.2	1130.2	730.3	377.4	191.2	85.8	30.8	7.9				
-50	4.4	6.2	22.0	60.0	127.1	226.5	370.3	494.8	494.8	370.3	226.5	127.1	60.0	22.0	6.2	4.4			
-60		4.7	12.1	32.2	67.6	116.0	175.1	216.4	216.4	175.1	116.0	67.6	32.2	12.1	4.7				
-70	3.9	18.7	54.8		137.9		198.4		137.9		54.8		18.7		3.9				
-80		18.7	54.8		137.9		198.4		137.9		54.8		18.7						
-90	3.9	18.7		54.8		137.9		198.4		137.9		54.8		18.7		3.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

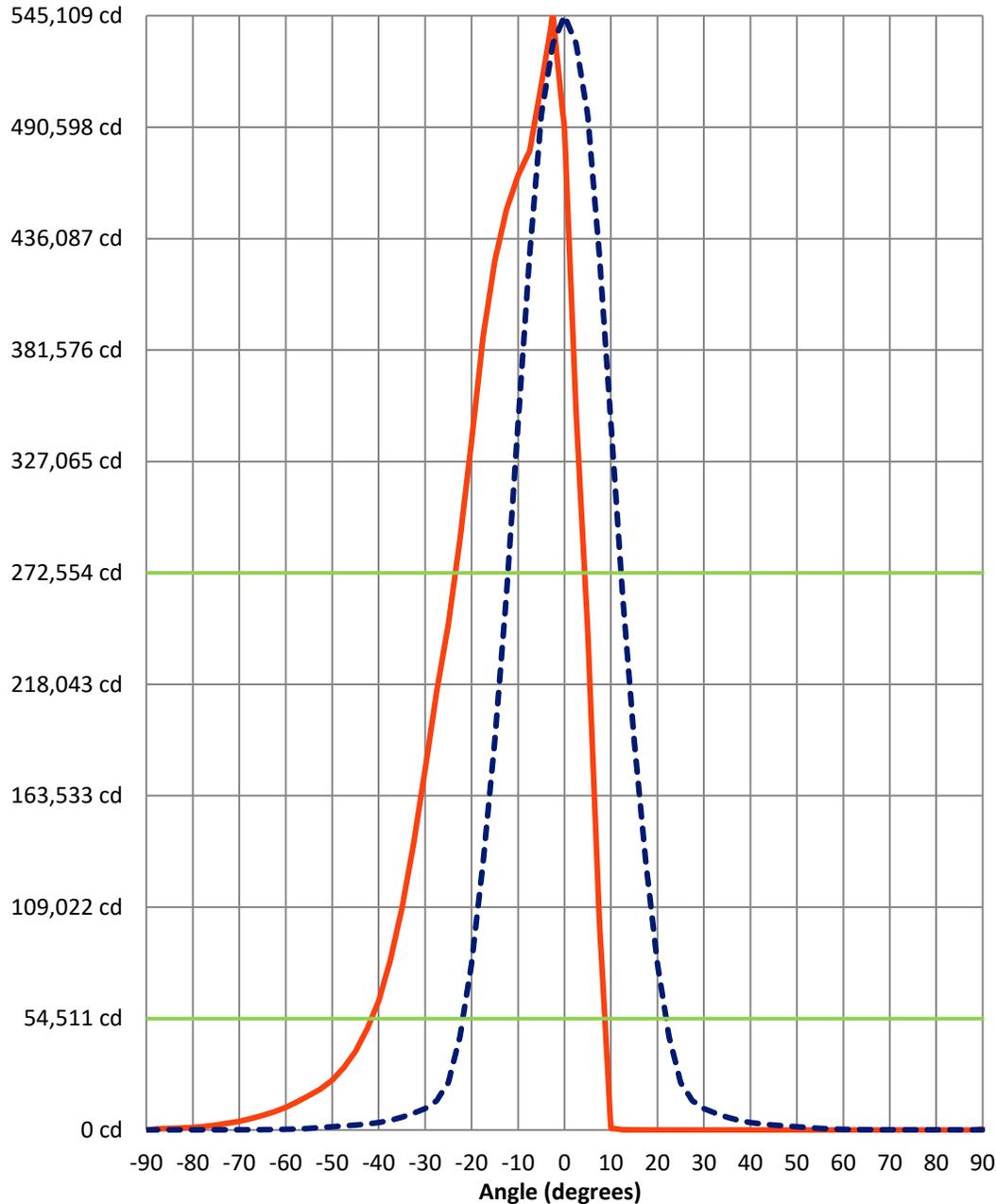
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.4°  
 V Angle: 27.8°  
 Lumens: 63057.1  
 Efficiency: 46.9%

**Field:**  
 H Angle: 43.8°  
 V Angle: 50.3°  
 Lumens: 112180.5  
 Efficiency: 83.5%

**Spill:**  
 Lumens: 22137.1  
 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°	111.0	117.2	123.5	140.7	157.9	175.2	192.4	207.2	222.1	236.9	251.8
87.5°	111.0	109.6	108.3	106.8	105.4	103.9	102.4	100.3	98.1	96.0	93.8
85°	111.0	109.6	108.4	106.9	105.5	104.0	102.4	100.3	98.2	96.0	93.9
82.5°	111.0	109.7	108.5	107.1	105.6	104.1	102.5	100.4	98.2	96.1	94.0
80°	111.0	109.7	108.5	107.2	105.7	104.2	102.5	100.5	98.3	96.2	94.1
77.5°	111.0	109.7	108.6	107.3	105.8	104.2	102.6	100.6	98.5	96.4	94.2
75°	111.0	109.8	108.7	107.4	106.0	104.3	102.7	100.7	98.6	96.5	94.4
72.5°	111.0	109.8	108.8	107.6	106.0	104.3	102.8	100.9	98.8	96.8	94.7
70°	111.0	109.8	108.9	107.7	106.0	104.4	102.9	101.1	99.1	97.0	95.0
67.5°	111.0	109.9	109.0	107.7	106.0	104.4	103.1	101.3	99.3	97.3	95.3
65°	111.0	109.9	109.2	107.7	106.0	104.5	103.2	101.6	99.6	97.6	95.6
62.5°	111.0	109.9	109.3	107.7	106.0	104.8	103.5	101.9	99.9	98.0	96.0
60°	111.0	110.0	109.4	107.7	106.1	105.0	103.7	102.2	100.3	98.3	96.4
57.5°	111.0	110.0	109.3	107.7	106.3	105.2	103.9	102.5	100.6	98.7	96.9
55°	111.0	110.1	109.3	107.8	106.5	105.5	104.2	102.7	101.0	99.2	97.6
52.5°	111.0	110.1	109.3	107.8	106.8	105.8	104.4	103.1	101.4	99.9	98.3
50°	111.0	110.1	109.3	107.8	107.0	106.0	104.7	103.4	102.0	100.7	98.9
47.5°	111.0	110.2	109.4	107.9	107.3	106.2	105.0	103.8	102.7	101.5	99.6
45°	111.0	110.2	109.4	108.1	107.6	106.5	105.4	104.3	103.4	102.1	100.3
42.5°	111.0	110.3	109.4	108.3	107.9	106.7	105.8	104.8	104.1	102.8	101.0
40°	111.0	110.3	109.5	108.6	108.1	107.0	106.2	105.3	104.7	103.5	101.8
37.5°	111.0	110.4	109.5	108.8	108.3	107.3	106.7	105.9	105.2	104.1	102.6
35°	111.0	110.4	109.6	109.1	108.6	107.7	107.2	106.4	105.9	104.9	103.4
32.5°	111.0	110.5	109.6	109.3	108.8	108.1	107.7	107.0	106.6	105.8	104.5
30°	111.0	110.5	109.7	109.6	109.1	108.5	108.1	107.5	107.3	106.7	105.7
27.5°	111.0	110.5	109.8	109.9	109.5	108.9	108.6	108.1	108.2	107.7	107.1
25°	111.0	110.6	109.9	110.1	110.0	109.4	109.0	108.8	109.0	108.9	108.6
22.5°	111.0	110.6	110.0	110.4	110.6	110.0	109.5	109.5	110.0	110.2	110.3
20°	111.0	110.7	110.1	110.7	111.2	111.1	109.9	110.3	110.9	111.5	112.1
17.5°	111.0	110.7	110.2	111.0	111.8	112.2	111.1	111.0	112.0	113.0	114.0
15°	111.0	110.8	110.3	111.3	112.5	113.4	112.9	112.6	113.0	114.5	115.9
12.5°	111.0	110.8	110.4	111.6	113.2	114.6	114.7	115.3	115.5	116.0	117.8
10°	111.0	110.8	110.5	111.9	113.9	115.8	116.6	118.1	119.4	121.0	122.3
7.5°	111.0	110.9	110.6	112.2	114.7	117.0	118.6	120.9	123.3	126.6	132.3
5°	111.0	110.9	110.8	112.5	115.4	118.2	120.5	123.7	127.2	132.3	142.7
2.5°	111.0	111.0	110.9	112.7	116.1	119.4	122.5	126.5	131.1	138.0	153.3
0°	111.0	111.0	111.0	113.0	116.8	120.6	124.4	129.2	135.0	143.6	163.7
-2.5°	111.0	111.4	111.9	114.6	119.1	124.8	131.2	138.7	148.2	166.0	204.8
-5°	111.0	111.7	112.8	116.1	121.5	129.0	137.8	148.0	161.1	187.9	244.5
-7.5°	111.0	112.1	113.6	117.6	123.7	133.0	144.3	157.0	173.7	208.6	281.5
-10°	111.0	112.4	114.5	119.1	125.9	136.8	150.5	165.8	185.7	227.8	315.0
-12.5°	111.0	112.8	115.3	120.6	128.0	140.4	156.4	174.2	197.1	248.2	366.5
-15°	111.0	113.1	116.2	122.0	130.1	143.8	161.8	182.1	214.6	287.8	422.3
-17.5°	111.0	113.4	117.0	123.3	132.0	146.9	166.9	194.1	238.8	322.6	470.1
-20°	111.0	113.7	117.8	124.6	133.9	149.6	173.2	208.5	260.3	351.8	508.9



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	111.0	114.1	118.5	125.8	135.6	152.0	181.9	221.4	278.6	375.0	537.7
-25°	111.0	114.4	119.2	127.0	137.3	156.5	189.7	232.6	293.4	391.3	555.7
-27.5°	111.0	114.7	119.9	128.1	138.8	161.7	196.6	242.0	304.5	403.8	574.4
-30°	111.0	114.9	120.6	129.1	140.4	166.5	202.6	249.4	314.2	416.6	583.6
-32.5°	111.0	115.2	121.2	130.0	144.1	170.6	207.5	256.0	322.6	423.8	582.6
-35°	111.0	115.5	121.8	130.8	147.4	174.3	212.0	261.4	328.1	425.2	570.8
-37.5°	111.0	115.7	122.3	131.5	150.4	177.7	216.1	265.2	330.7	420.7	576.6
-40°	111.0	116.0	122.8	132.2	153.1	181.3	219.3	267.5	330.1	418.0	577.9
-42.5°	111.0	116.2	123.3	133.2	155.4	184.2	221.7	268.2	329.7	419.2	566.9
-45°	111.0	116.4	123.7	134.7	157.6	186.6	223.3	268.6	328.6	413.6	546.0
-47.5°	111.0	116.6	124.0	136.1	159.4	188.4	224.1	269.3	325.4	400.5	528.8
-50°	111.0	116.7	124.4	137.5	160.9	189.7	225.2	269.0	319.3	391.8	501.8
-52.5°	111.0	116.9	124.6	138.8	162.0	190.3	225.6	267.6	314.0	378.7	467.7
-55°	111.0	117.0	124.8	139.9	162.8	190.9	225.1	265.3	308.5	361.3	444.8
-57.5°	111.0	117.1	125.0	140.8	163.3	191.1	223.9	263.2	301.2	348.9	416.7
-60°	111.0	117.2	125.1	141.6	163.5	190.8	222.1	259.0	293.0	336.9	389.5
-62.5°	111.0	117.3	125.2	142.2	164.1	190.1	220.5	253.6	285.9	322.8	371.3
-65°	111.0	117.4	125.2	142.7	164.4	188.9	218.3	248.1	278.0	311.6	350.8
-67.5°	111.0	117.4	125.2	143.0	164.5	187.9	215.6	243.4	269.2	300.5	334.6
-70°	111.0	117.5	125.2	143.2	164.3	187.3	212.3	238.3	263.1	288.5	319.9
-72.5°	111.0	117.5	125.1	143.3	163.9	186.3	210.2	232.9	256.6	280.8	305.5
-75°	111.0	117.5	125.0	143.3	163.3	185.0	208.1	229.0	249.7	272.8	296.2
-77.5°	111.0	117.5	124.8	143.1	162.8	183.4	205.5	225.5	245.2	265.2	286.4
-80°	111.0	117.5	124.6	142.9	162.1	182.0	202.7	221.7	240.7	259.8	279.2
-82.5°	111.0	117.4	124.4	142.5	161.3	180.6	200.4	218.0	235.8	254.1	272.6
-85°	111.0	117.4	124.1	142.0	160.3	179.0	197.9	214.6	231.5	248.5	265.8
-87.5°	111.0	117.3	123.8	141.4	159.2	177.2	195.3	211.0	226.9	242.9	258.9
-90°	111.0	109.6	108.2	106.8	105.3	103.9	102.4	100.3	98.1	96.0	93.8



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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°	260.2	268.6	276.9	285.3	291.1	296.8	302.6	308.3	316.9	325.5	334.1
87.5°	91.0	88.1	85.2	82.3	78.8	75.2	71.6	68.0	64.2	60.4	56.6
85°	91.0	88.2	85.2	82.3	78.7	75.2	71.6	68.2	64.3	60.5	56.7
82.5°	91.1	88.1	85.0	81.9	78.5	75.1	71.7	68.3	64.6	60.7	56.9
80°	91.2	88.1	85.1	82.2	78.9	75.6	72.1	68.6	64.8	61.0	57.2
77.5°	91.4	88.5	85.7	82.9	79.7	76.1	72.6	69.0	65.2	61.4	57.5
75°	91.8	89.0	86.2	83.4	80.1	76.5	73.0	69.4	65.7	61.9	58.0
72.5°	92.2	89.4	86.6	83.8	80.6	77.1	73.5	69.9	66.2	62.4	58.5
70°	92.6	89.8	87.0	84.2	81.2	77.6	74.0	70.5	66.9	63.0	59.2
67.5°	93.0	90.3	87.5	84.7	81.5	77.9	74.4	71.1	67.6	63.8	59.9
65°	93.5	90.8	87.9	84.9	81.7	78.6	75.4	72.0	68.5	64.6	60.7
62.5°	94.0	91.3	88.4	85.4	82.8	79.9	76.4	72.9	69.3	65.6	61.7
60°	94.5	91.9	89.1	86.4	83.9	80.9	77.4	73.9	70.3	66.6	62.7
57.5°	95.0	92.6	90.0	87.4	84.7	81.9	78.4	74.9	71.4	67.8	63.9
55°	95.6	93.4	90.9	88.2	85.6	82.9	79.6	76.1	72.6	69.0	65.1
52.5°	96.3	94.2	91.7	89.1	86.5	83.9	80.8	77.4	73.9	70.3	66.5
50°	96.9	94.9	92.6	90.1	87.5	84.9	82.2	78.8	75.3	71.7	68.1
47.5°	97.6	95.7	93.6	91.1	88.6	86.0	83.4	80.3	76.8	73.3	69.6
45°	98.4	96.5	94.5	92.3	89.8	87.3	84.8	81.9	78.5	75.0	71.3
42.5°	99.2	97.3	95.5	93.4	91.0	88.7	86.3	83.4	80.3	76.8	73.2
40°	100.0	98.3	96.6	94.6	92.5	90.5	87.7	84.9	82.2	78.8	75.2
37.5°	100.9	99.4	97.8	96.0	94.3	92.0	89.0	86.8	84.1	80.9	77.4
35°	101.8	100.6	99.2	97.5	96.1	93.3	91.0	88.8	86.2	83.2	79.9
32.5°	102.9	101.9	100.7	99.2	97.3	94.8	93.2	91.1	88.5	85.6	83.1
30°	104.4	103.4	102.3	100.8	98.6	96.9	95.5	93.6	90.9	88.6	86.3
27.5°	106.2	105.0	103.8	102.2	100.2	99.1	98.0	96.0	93.7	91.8	89.8
25°	108.1	107.4	105.2	103.7	102.3	101.5	100.6	98.7	96.9	95.4	93.7
22.5°	110.3	110.2	108.5	105.3	104.4	104.0	103.3	102.1	101.0	99.6	97.9
20°	112.7	113.1	112.4	110.8	107.9	106.7	106.3	105.9	106.0	106.4	105.5
17.5°	115.2	116.3	117.0	118.1	119.2	116.2	109.6	110.1	111.8	115.4	122.0
15°	117.8	119.8	122.1	126.8	132.9	137.4	137.8	126.5	119.2	127.9	144.8
12.5°	120.5	123.5	127.6	136.6	148.5	162.9	179.5	193.2	194.3	176.4	176.1
10°	123.2	127.3	133.4	147.3	165.6	191.5	227.9	272.2	316.0	364.3	404.7
7.5°	138.9	144.6	148.2	158.4	183.7	222.3	281.0	360.0	452.0	578.2	743.6
5°	157.2	177.2	212.4	260.3	335.7	395.7	431.3	457.4	596.4	808.0	1116.0
2.5°	175.8	210.8	279.1	379.6	579.7	798.5	991.8	1175.4	1405.3	1688.6	2079.2
0°	194.3	244.1	345.6	498.8	825.2	1204.3	1555.6	1896.4	2345.4	2869.0	3532.4
-2.5°	267.1	356.3	527.4	819.5	1218.3	1634.0	2051.2	2440.3	2969.5	3691.9	4754.3
-5°	337.2	464.5	700.9	1123.0	1594.6	2047.9	2527.0	2965.9	3603.3	4505.1	5794.7
-7.5°	402.5	566.0	860.6	1385.3	1911.9	2437.4	3048.1	3666.4	4403.5	5357.0	6651.0
-10°	465.4	673.2	1000.8	1536.7	2138.9	2782.0	3530.3	4309.7	5150.1	6149.1	7429.6
-12.5°	549.7	784.0	1125.8	1664.0	2326.2	3070.5	3940.0	4879.3	5833.9	6876.6	8109.8
-15°	624.6	882.8	1234.7	1764.9	2467.3	3292.3	4263.8	5361.6	6382.7	7365.3	8582.2
-17.5°	688.7	967.9	1326.1	1837.5	2556.5	3438.2	4452.0	5555.7	6684.6	7742.0	9002.2
-20°	740.9	1037.9	1398.5	1880.3	2595.9	3477.5	4432.0	5553.2	6808.2	8045.5	9271.9



REPORT NUMBER: P1212201 (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°	780.1	1091.5	1459.8	1938.9	2620.8	3454.1	4379.9	5441.2	6768.0	8259.3	9565.5
-25°	809.3	1132.3	1513.1	1992.5	2619.0	3397.5	4292.9	5240.0	6567.7	8256.8	9902.1
-27.5°	827.9	1155.0	1549.6	2018.9	2592.3	3324.6	4188.8	5105.9	6382.4	8086.2	10024.9
-30°	831.3	1166.0	1561.8	2023.8	2585.0	3267.9	4056.7	5047.7	6143.1	7748.4	9642.5
-32.5°	828.4	1161.3	1557.8	2017.5	2558.0	3185.0	3967.1	4954.2	6030.6	7239.2	9062.7
-35°	826.4	1153.4	1536.2	1981.5	2500.4	3123.4	3891.3	4792.8	5851.6	6960.7	8363.9
-37.5°	823.7	1131.8	1493.9	1925.9	2431.2	3047.6	3757.1	4614.6	5596.2	6710.5	7888.7
-40°	808.8	1096.5	1449.6	1857.4	2343.1	2934.3	3616.8	4392.3	5300.6	6362.5	7531.7
-42.5°	783.5	1065.9	1395.3	1769.2	2245.0	2790.9	3425.3	4157.1	4988.2	5956.9	7041.3
-45°	755.9	1021.5	1328.7	1697.4	2128.4	2625.6	3213.3	3881.6	4664.7	5513.3	6500.4
-47.5°	713.1	964.6	1261.3	1601.1	2003.2	2463.6	2974.4	3606.9	4315.7	5096.5	5918.3
-50°	661.7	895.1	1172.6	1490.8	1863.6	2285.6	2760.4	3315.3	3959.5	4663.7	5420.1
-52.5°	615.7	808.4	1065.7	1358.6	1702.6	2094.6	2535.3	3040.4	3601.7	4218.7	4909.6
-55°	558.5	730.4	943.0	1211.6	1517.9	1877.0	2285.8	2741.5	3241.1	3794.7	4384.0
-57.5°	511.6	647.3	829.7	1051.4	1325.3	1635.5	2019.3	2417.0	2862.3	3349.4	3864.4
-60°	469.9	573.2	719.9	906.4	1122.3	1407.9	1740.6	2105.8	2486.0	2881.3	3343.9
-62.5°	427.3	511.4	621.8	766.0	950.9	1173.3	1459.4	1780.3	2124.7	2474.6	2843.3
-65°	400.7	451.3	534.8	647.5	779.2	971.8	1194.1	1440.8	1736.4	2034.3	2349.1
-67.5°	370.5	413.2	464.3	531.6	643.1	784.4	938.8	1144.2	1369.5	1592.8	1826.8
-70°	349.3	374.5	413.6	462.5	524.2	617.3	746.9	887.2	1040.5	1219.4	1420.0
-72.5°	329.6	352.4	375.8	399.8	450.0	517.5	592.0	673.0	788.1	931.7	1079.4
-75°	314.3	330.1	350.4	371.7	401.3	438.7	482.2	546.2	626.3	717.8	813.0
-77.5°	302.4	316.9	331.5	346.3	367.8	397.4	429.8	464.8	514.3	572.3	634.4
-80°	291.8	303.4	316.6	329.9	347.2	366.8	387.9	410.3	443.3	483.1	528.5
-82.5°	283.8	294.5	305.3	316.1	328.7	342.0	356.4	373.0	398.3	426.0	455.0
-85°	275.7	285.4	295.2	305.1	315.1	325.5	336.4	347.5	365.2	383.7	402.7
-87.5°	268.0	277.1	286.1	295.1	302.8	310.5	318.4	326.5	339.0	351.8	364.7
-90°	90.9	88.1	85.2	82.3	78.7	75.2	71.6	68.0	64.2	60.4	56.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	342.7	354.4	366.2	377.9	389.6	404.9	420.3	435.6	450.9	470.1	489.2
87.5°	52.7	48.9	45.0	41.2	37.3	33.5	29.7	25.8	22.0	18.4	14.9
85°	52.9	49.0	45.1	41.3	37.4	33.4	29.4	25.3	21.2	17.6	14.0
82.5°	53.1	49.2	45.3	41.5	37.6	33.5	29.5	25.4	21.3	17.9	14.5
80°	53.3	49.5	45.6	41.7	37.8	33.8	29.7	25.6	21.5	17.8	14.1
77.5°	53.7	49.8	45.9	42.0	38.1	34.0	29.9	25.8	21.7	17.9	14.2
75°	54.1	50.2	46.3	42.4	38.5	34.4	30.2	26.1	21.9	18.1	14.4
72.5°	54.7	50.8	46.8	42.8	38.7	34.5	30.3	26.2	22.2	18.5	15.0
70°	55.3	51.3	47.1	42.9	38.7	34.5	30.5	26.5	22.5	18.6	14.9
67.5°	56.0	52.0	47.8	43.6	39.3	35.1	31.0	27.0	22.9	18.9	15.1
65°	56.8	52.9	48.6	44.3	40.0	35.7	31.6	27.5	23.3	19.3	15.4
62.5°	57.7	53.8	49.5	45.2	40.9	36.5	32.3	28.1	23.9	19.7	15.7
60°	58.8	54.7	50.6	46.2	41.8	37.3	33.0	28.8	24.5	20.2	16.1
57.5°	59.9	55.9	51.7	47.3	42.8	38.3	33.9	29.5	25.1	20.7	16.5
55°	61.2	57.1	53.0	48.5	44.0	39.4	34.8	30.4	25.9	21.3	17.0
52.5°	62.5	58.5	54.3	49.9	45.3	40.6	35.9	31.3	26.7	22.0	17.5
50°	64.1	60.0	55.8	51.4	46.7	41.9	37.1	32.5	27.8	22.9	18.2
47.5°	65.7	61.6	57.4	53.0	48.3	43.7	39.1	34.3	29.0	23.8	18.9
45°	67.6	63.4	59.2	54.8	50.2	45.4	40.3	34.9	30.0	24.9	19.7
42.5°	69.5	65.4	61.1	56.7	52.1	47.1	42.1	37.2	31.7	26.1	20.6
40°	71.5	67.6	63.3	58.9	54.2	49.3	44.1	38.4	32.8	27.3	21.6
37.5°	73.8	70.0	66.0	61.6	56.7	51.5	46.0	40.3	34.5	28.9	22.9
35°	76.6	73.0	69.2	64.4	59.5	54.2	48.8	43.5	37.3	31.5	25.2
32.5°	79.9	76.4	72.2	68.1	63.4	58.9	53.8	49.0	42.8	36.9	30.9
30°	83.5	79.9	77.3	73.5	69.7	65.9	62.1	57.6	52.8	46.7	37.6
27.5°	87.2	86.0	84.3	80.0	77.5	74.6	71.8	67.5	59.4	51.8	38.8
25°	92.1	93.3	89.7	87.2	86.0	84.3	79.0	71.2	58.8	45.9	34.0
22.5°	98.2	97.8	96.2	95.5	97.5	93.3	83.2	71.1	54.6	41.2	31.6
20°	103.6	103.4	107.2	112.9	111.3	106.3	90.5	73.1	56.1	49.1	42.6
17.5°	122.1	114.9	128.2	143.5	140.9	117.8	103.9	84.3	73.1	67.4	58.4
15°	156.8	172.3	181.3	182.8	180.4	159.2	129.5	125.7	115.5	111.8	102.2
12.5°	211.3	264.0	326.3	366.0	246.5	228.8	269.9	284.8	239.2	210.3	209.8
10°	425.4	386.1	557.1	890.9	1507.4	1936.4	764.9	2172.6	4426.0	3782.1	2230.4
7.5°	1019.2	1329.0	1583.2	2037.8	3909.7	8104.1	13312.2	19505.7	32434.2	40447.0	56191.9
5°	1696.9	2485.8	3364.7	4820.5	8200.1	16639.9	31469.3	50304.4	72098.9	102931.7	140441.4
2.5°	2884.0	4097.4	5454.8	7819.5	12752.5	25659.6	47775.8	80684.1	114876.2	159464.2	210960.2
0°	4755.9	6685.8	8563.1	11891.6	21353.5	43425.1	73998.4	121067.9	171292.7	235784.6	307218.9
-2.5°	6288.6	8236.9	10521.5	14431.1	23319.1	45730.0	81498.8	131356.9	190699.2	261922.6	345672.7
-5°	7482.6	9586.2	12222.7	16221.2	24970.8	44942.4	79009.8	129347.5	190754.1	257609.4	333997.2
-7.5°	8395.7	10693.1	13608.3	17596.6	25809.8	44278.0	78283.4	127909.2	186361.1	253653.8	324010.9
-10°	9159.6	11537.0	14690.5	19092.1	26928.7	42622.9	72204.7	121190.2	181287.4	247231.3	316176.2
-12.5°	9820.8	12209.7	15337.3	19637.3	26614.7	41538.4	68790.7	110373.6	167658.8	235436.0	300241.6
-15°	10335.2	12709.1	15740.6	20438.9	28246.1	40926.1	61597.5	99093.9	149529.1	210889.5	275577.5
-17.5°	10735.7	13056.5	16220.9	20758.9	27915.7	39450.7	59467.4	88247.9	131414.9	185064.3	240596.9
-20°	10956.9	13264.8	16287.9	20548.8	27471.0	38461.4	54505.7	80873.8	115758.6	160182.4	207197.9



REPORT NUMBER: P1212201 (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°	11266.3	13422.3	16117.3	20000.6	26654.2	36250.9	50839.3	74217.7	103259.9	140378.2	180535.0
-25°	11457.5	13385.6	16028.5	19935.3	25171.9	33411.3	47870.9	66471.6	92664.1	123332.2	157699.1
-27.5°	11609.6	13436.6	15856.1	19268.7	23805.3	31498.5	43286.0	58476.1	81141.8	106496.4	135857.7
-30°	11694.0	13385.1	15568.1	18286.5	22832.1	29326.8	38075.3	51714.3	68990.7	89047.8	113324.7
-32.5°	11143.6	13252.2	15115.9	17650.9	21413.3	26666.2	33403.7	44794.3	57909.7	73895.0	92205.0
-35°	10342.4	12472.8	14659.2	16971.1	19996.4	24036.1	30277.5	38558.5	47883.6	60585.8	74286.4
-37.5°	9363.4	11385.6	13601.0	16015.5	18556.5	21741.5	26895.2	33158.1	40386.8	49530.1	59425.0
-40°	8723.9	10099.3	12237.2	14513.5	16868.1	19910.4	23803.2	28216.1	33719.7	40396.4	47322.7
-42.5°	8220.6	9451.6	10787.0	12703.7	14969.6	17827.1	20935.5	24287.2	28561.5	33293.6	38089.2
-45°	7575.9	8772.9	10017.7	11331.2	12893.9	15283.0	17956.2	20886.3	24218.5	27707.7	31002.5
-47.5°	6912.8	7984.0	9130.7	10323.0	11743.5	13343.1	15071.3	17280.9	20145.0	22978.4	25412.0
-50°	6257.4	7176.2	8203.2	9281.3	10499.5	11819.7	13215.7	15072.1	17115.4	19220.6	20873.7
-52.5°	5642.7	6448.3	7295.6	8208.0	9240.6	10316.6	11464.9	13018.6	14645.8	16306.9	17481.6
-55°	5034.1	5732.6	6458.2	7253.8	8084.1	8931.8	9909.9	11169.8	12453.7	13745.2	14626.5
-57.5°	4425.2	5020.1	5653.4	6333.3	7033.4	7748.2	8550.6	9470.2	10448.9	11438.1	12148.8
-60°	3820.6	4309.4	4860.5	5439.1	6025.5	6616.5	7302.5	8006.1	8705.6	9357.0	9873.6
-62.5°	3237.0	3664.2	4110.3	4579.3	5068.9	5578.1	6139.3	6709.1	7280.8	7778.6	8124.3
-65°	2682.2	3033.6	3385.1	3751.4	4130.7	4547.8	5009.0	5469.4	5924.8	6308.6	6600.8
-67.5°	2102.5	2390.8	2678.7	2960.4	3254.7	3578.9	3939.9	4300.4	4657.2	4949.7	5182.4
-70°	1617.8	1816.9	2024.3	2247.8	2492.3	2753.1	3032.4	3302.1	3561.3	3760.0	3920.5
-72.5°	1230.4	1386.3	1550.6	1727.8	1903.9	2104.2	2322.3	2539.5	2754.2	2912.1	3043.9
-75°	911.3	1021.5	1152.7	1285.2	1418.1	1571.0	1734.6	1899.5	2064.2	2181.1	2280.7
-77.5°	708.8	792.1	877.7	964.5	1051.9	1152.8	1257.8	1362.7	1467.0	1543.0	1612.2
-80°	576.8	632.7	690.9	750.1	809.9	880.6	953.7	1027.0	1100.3	1152.9	1202.2
-82.5°	485.2	523.1	562.8	603.5	645.0	695.0	746.2	797.7	849.2	885.9	921.2
-85°	422.3	448.2	474.7	501.7	529.1	563.4	598.4	633.8	669.4	697.2	724.3
-87.5°	377.9	395.9	414.1	432.5	451.1	472.4	493.9	515.3	536.8	560.3	583.9
-90°	52.7	48.9	45.0	41.2	37.3	33.5	29.7	25.8	22.0	18.4	14.9



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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°	508.4	527.5	521.8	516.0	521.8	527.5	508.4	489.2	470.1	450.9	435.6
87.5°	11.3	7.7	4.8	1.9	4.8	7.7	11.3	14.9	18.4	22.0	25.8
85°	10.4	6.7	4.3	1.9	4.3	6.7	10.4	14.0	17.6	21.2	25.3
82.5°	11.1	7.7	4.8	1.9	4.8	7.7	11.1	14.5	17.9	21.3	25.4
80°	10.5	6.8	4.3	1.9	4.3	6.8	10.5	14.1	17.8	21.5	25.6
77.5°	10.6	6.9	3.9	1.0	3.9	6.9	10.6	14.2	17.9	21.7	25.8
75°	10.7	7.0	4.0	1.0	4.0	7.0	10.7	14.4	18.1	21.9	26.1
72.5°	11.5	8.0	5.4	2.9	5.4	8.0	11.5	15.0	18.5	22.2	26.2
70°	11.0	7.2	4.0	1.0	4.0	7.2	11.0	14.9	18.6	22.5	26.5
67.5°	11.2	7.3	4.1	1.0	4.1	7.3	11.2	15.1	18.9	22.9	27.0
65°	11.4	7.4	4.1	1.0	4.1	7.4	11.4	15.4	19.3	23.3	27.5
62.5°	11.7	7.6	4.2	1.0	4.2	7.6	11.7	15.7	19.7	23.9	28.1
60°	11.9	7.8	4.3	1.0	4.3	7.8	11.9	16.1	20.2	24.5	28.8
57.5°	12.3	8.0	4.0	0.0	4.0	8.0	12.3	16.5	20.7	25.1	29.5
55°	12.6	8.3	4.1	0.0	4.1	8.3	12.6	17.0	21.3	25.9	30.4
52.5°	13.1	8.6	4.6	1.0	4.6	8.6	13.1	17.5	22.0	26.7	31.3
50°	13.5	8.9	4.7	1.0	4.7	8.9	13.5	18.2	22.9	27.8	32.5
47.5°	14.1	9.2	4.5	0.0	4.5	9.2	14.1	18.9	23.8	29.0	34.3
45°	14.7	9.7	5.0	1.0	5.0	9.7	14.7	19.7	24.9	30.0	34.9
42.5°	15.4	10.1	5.0	0.0	5.0	10.1	15.4	20.6	26.1	31.7	37.2
40°	16.2	10.7	5.4	1.0	5.4	10.7	16.2	21.6	27.3	32.8	38.4
37.5°	17.1	11.3	5.7	1.0	5.7	11.3	17.1	22.9	28.9	34.5	40.3
35°	18.6	12.3	6.0	1.0	6.0	12.3	18.6	25.2	31.5	37.3	43.5
32.5°	23.8	16.3	8.0	1.0	8.0	16.3	23.8	30.9	36.9	42.8	49.0
30°	27.9	19.3	10.4	0.0	10.4	19.3	27.9	37.6	46.7	52.8	57.6
27.5°	27.4	17.3	7.6	2.9	7.6	17.3	27.4	38.8	51.8	59.4	67.5
25°	24.2	15.3	7.0	0.0	7.0	15.3	24.2	34.0	45.9	58.8	71.2
22.5°	27.0	21.3	15.6	11.5	15.6	21.3	27.0	31.6	41.2	54.6	71.1
20°	36.6	30.0	23.3	19.1	23.3	30.0	36.6	42.6	49.1	56.1	73.1
17.5°	55.2	47.7	40.9	35.4	40.9	47.7	55.2	58.4	67.4	73.1	84.3
15°	97.5	89.0	78.9	70.8	78.9	89.0	97.5	102.2	111.8	115.5	125.7
12.5°	184.7	168.5	154.0	137.4	154.0	168.5	184.7	209.8	210.3	239.2	284.8
10°	4573.8	4184.3	4621.7	989.8	4621.7	4184.3	4573.8	2230.4	3782.1	4426.0	2172.6
7.5°	70842.8	97799.7	105924.7	103032.4	105924.7	97799.7	70842.8	56191.9	40447.0	32434.2	19505.7
5°	177721.0	219957.3	242162.9	244132.7	242162.9	219957.3	177721.0	140441.4	102931.7	72098.9	50304.4
2.5°	266120.5	310345.9	338090.2	351248.0	338090.2	310345.9	266120.5	210960.2	159464.2	114876.2	80684.1
0°	376713.1	428628.5	469289.3	488929.8	469289.3	428628.5	376713.1	307218.9	235784.6	171292.7	121067.9
-2.5°	428202.1	496248.0	531263.2	545108.5	531263.2	496248.0	428202.1	345672.7	261922.6	190699.2	131356.9
-5°	402501.7	462971.7	497184.8	511265.6	497184.8	462971.7	402501.7	333997.2	257609.4	190754.1	129347.5
-7.5°	389562.3	441441.8	469733.2	479064.9	469733.2	441441.8	389562.3	324010.9	253653.8	186361.1	127909.2
-10°	377846.4	426958.1	456592.0	466907.1	456592.0	426958.1	377846.4	316176.2	247231.3	181287.4	121190.2
-12.5°	361602.8	409072.3	438456.4	450150.0	438456.4	409072.3	361602.8	300241.6	235436.0	167658.8	110373.6
-15°	335725.8	383964.8	413441.6	425178.4	413441.6	383964.8	335725.8	275577.5	210889.5	149529.1	99093.9
-17.5°	296972.1	347446.0	376471.8	388377.9	376471.8	347446.0	296972.1	240596.9	185064.3	131414.9	88247.9
-20°	255776.0	299950.3	326363.4	337119.2	326363.4	299950.3	255776.0	207197.9	160182.4	115758.6	80873.8



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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°	221292.9	255483.6	279127.4	288818.6	279127.4	255483.6	221292.9	180535.0	140378.2	103259.9	74217.7
-25°	192962.6	220654.0	241224.4	247418.2	241224.4	220654.0	192962.6	157699.1	123332.2	92664.1	66471.6
-27.5°	165957.4	188470.7	207606.5	214560.8	207606.5	188470.7	165957.4	135857.7	106496.4	81141.8	58476.1
-30°	137811.7	155275.7	170863.8	176337.7	170863.8	155275.7	137811.7	113324.7	89047.8	68990.7	51714.3
-32.5°	109879.7	123904.8	136145.1	139731.4	136145.1	123904.8	109879.7	92205.0	73895.0	57909.7	44794.3
-35°	86618.0	96958.0	105643.4	108347.3	105643.4	96958.0	86618.0	74286.4	60585.8	47883.6	38558.5
-37.5°	67947.0	75420.1	81327.8	83007.5	81327.8	75420.1	67947.0	59425.0	49530.1	40386.8	33158.1
-40°	52891.9	58043.0	61922.9	63105.3	61922.9	58043.0	52891.9	47322.7	40396.4	33719.7	28216.1
-42.5°	41868.5	45501.6	48234.4	49387.1	48234.4	45501.6	41868.5	38089.2	33293.6	28561.5	24287.2
-45°	33560.1	35935.5	37638.9	38447.1	37638.9	35935.5	33560.1	31002.5	27707.7	24218.5	20886.3
-47.5°	27384.3	29234.6	30337.7	30575.2	30337.7	29234.6	27384.3	25412.0	22978.4	20145.0	17280.9
-50°	22223.0	23497.7	24216.3	24388.2	24216.3	23497.7	22223.0	20873.7	19220.6	17115.4	15072.1
-52.5°	18457.6	19343.1	19869.2	20105.2	19869.2	19343.1	18457.6	17481.6	16306.9	14645.8	13018.6
-55°	15444.8	16206.9	16665.2	16907.8	16665.2	16206.9	15444.8	14626.5	13745.2	12453.7	11169.8
-57.5°	12806.2	13404.6	13716.6	13858.8	13716.6	13404.6	12806.2	12148.8	11438.1	10448.9	9470.2
-60°	10379.7	10862.0	11046.8	11081.7	11046.8	10862.0	10379.7	9873.6	9357.0	8705.6	8006.1
-62.5°	8439.6	8722.4	8852.3	8912.5	8852.3	8722.4	8439.6	8124.3	7778.6	7280.8	6709.1
-65°	6869.6	7112.6	7164.7	7148.2	7164.7	7112.6	6869.6	6600.8	6308.6	5924.8	5469.4
-67.5°	5396.4	5589.5	5623.4	5606.9	5623.4	5589.5	5396.4	5182.4	4949.7	4657.2	4300.4
-70°	4068.1	4202.4	4244.5	4260.9	4244.5	4202.4	4068.1	3920.5	3760.0	3561.3	3302.1
-72.5°	3167.7	3282.3	3330.5	3362.0	3330.5	3282.3	3167.7	3043.9	2912.1	2754.2	2539.5
-75°	2373.6	2459.0	2467.4	2462.2	2467.4	2459.0	2373.6	2280.7	2181.1	2064.2	1899.5
-77.5°	1678.2	1740.7	1753.4	1759.5	1753.4	1740.7	1678.2	1612.2	1543.0	1467.0	1362.7
-80°	1250.0	1295.9	1297.9	1296.2	1297.9	1295.9	1250.0	1202.2	1152.9	1100.3	1027.0
-82.5°	955.5	988.8	995.0	999.4	995.0	988.8	955.5	921.2	885.9	849.2	797.7
-85°	750.9	777.0	781.8	785.9	781.8	777.0	750.9	724.3	697.2	669.4	633.8
-87.5°	607.2	630.5	631.2	631.8	631.2	630.5	607.2	583.9	560.3	536.8	515.3
-90°	11.3	7.7	4.8	1.9	4.8	7.7	11.3	14.9	18.4	22.0	25.8



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	420.3	404.9	389.6	377.9	366.2	354.4	342.7	334.1	325.5	316.9	308.3
87.5°	29.7	33.5	37.3	41.2	45.0	48.9	52.7	56.6	60.4	64.2	68.0
85°	29.4	33.4	37.4	41.3	45.1	49.0	52.9	56.7	60.5	64.3	68.2
82.5°	29.5	33.5	37.6	41.5	45.3	49.2	53.1	56.9	60.7	64.6	68.3
80°	29.7	33.8	37.8	41.7	45.6	49.5	53.3	57.2	61.0	64.8	68.6
77.5°	29.9	34.0	38.1	42.0	45.9	49.8	53.7	57.5	61.4	65.2	69.0
75°	30.2	34.4	38.5	42.4	46.3	50.2	54.1	58.0	61.9	65.7	69.4
72.5°	30.3	34.5	38.7	42.8	46.8	50.8	54.7	58.5	62.4	66.2	69.9
70°	30.5	34.5	38.7	42.9	47.1	51.3	55.3	59.2	63.0	66.9	70.5
67.5°	31.0	35.1	39.3	43.6	47.8	52.0	56.0	59.9	63.8	67.6	71.1
65°	31.6	35.7	40.0	44.3	48.6	52.9	56.8	60.7	64.6	68.5	72.0
62.5°	32.3	36.5	40.9	45.2	49.5	53.8	57.7	61.7	65.6	69.3	72.9
60°	33.0	37.3	41.8	46.2	50.6	54.7	58.8	62.7	66.6	70.3	73.9
57.5°	33.9	38.3	42.8	47.3	51.7	55.9	59.9	63.9	67.8	71.4	74.9
55°	34.8	39.4	44.0	48.5	53.0	57.1	61.2	65.1	69.0	72.6	76.1
52.5°	35.9	40.6	45.3	49.9	54.3	58.5	62.5	66.5	70.3	73.9	77.4
50°	37.1	41.9	46.7	51.4	55.8	60.0	64.1	68.1	71.7	75.3	78.8
47.5°	39.1	43.7	48.3	53.0	57.4	61.6	65.7	69.6	73.3	76.8	80.3
45°	40.3	45.4	50.2	54.8	59.2	63.4	67.6	71.3	75.0	78.5	81.9
42.5°	42.1	47.1	52.1	56.7	61.1	65.4	69.5	73.2	76.8	80.3	83.4
40°	44.1	49.3	54.2	58.9	63.3	67.6	71.5	75.2	78.8	82.2	84.9
37.5°	46.0	51.5	56.7	61.6	66.0	70.0	73.8	77.4	80.9	84.1	86.8
35°	48.8	54.2	59.5	64.4	69.2	73.0	76.6	79.9	83.2	86.2	88.8
32.5°	53.8	58.9	63.4	68.1	72.2	76.4	79.9	83.1	85.6	88.5	91.1
30°	62.1	65.9	69.7	73.5	77.3	79.9	83.5	86.3	88.6	90.9	93.6
27.5°	71.8	74.6	77.5	80.0	84.3	86.0	87.2	89.8	91.8	93.7	96.0
25°	79.0	84.3	86.0	87.2	89.7	93.3	92.1	93.7	95.4	96.9	98.7
22.5°	83.2	93.3	97.5	95.5	96.2	97.8	98.2	97.9	99.6	101.0	102.1
20°	90.5	106.3	111.3	112.9	107.2	103.4	103.6	105.5	106.4	106.0	105.9
17.5°	103.9	117.8	140.9	143.5	128.2	114.9	122.1	122.0	115.4	111.8	110.1
15°	129.5	159.2	180.4	182.8	181.3	172.3	156.8	144.8	127.9	119.2	126.5
12.5°	269.9	228.8	246.5	366.0	326.3	264.0	211.3	176.1	176.4	194.3	193.2
10°	764.9	1936.4	1507.4	890.9	557.1	386.1	425.4	404.7	364.3	316.0	272.2
7.5°	13312.2	8104.1	3909.7	2037.8	1583.2	1329.0	1019.2	743.6	578.2	452.0	360.0
5°	31469.3	16639.9	8200.1	4820.5	3364.7	2485.8	1696.9	1116.0	808.0	596.4	457.4
2.5°	47775.8	25659.6	12752.5	7819.5	5454.8	4097.4	2884.0	2079.2	1688.6	1405.3	1175.4
0°	73998.4	43425.1	21353.5	11891.6	8563.1	6685.8	4755.9	3532.4	2869.0	2345.4	1896.4
-2.5°	81498.8	45730.0	23319.1	14431.1	10521.5	8236.9	6288.6	4754.3	3691.9	2969.5	2440.3
-5°	79009.8	44942.4	24970.8	16221.2	12222.7	9586.2	7482.6	5794.7	4505.1	3603.3	2965.9
-7.5°	78283.4	44278.0	25809.8	17596.6	13608.3	10693.1	8395.7	6651.0	5357.0	4403.5	3666.4
-10°	72204.7	42622.9	26928.7	19092.1	14690.5	11537.0	9159.6	7429.6	6149.1	5150.1	4309.7
-12.5°	68790.7	41538.4	26614.7	19637.3	15337.3	12209.7	9820.8	8109.8	6876.6	5833.9	4879.3
-15°	61597.5	40926.1	28246.1	20438.9	15740.6	12709.1	10335.2	8582.2	7365.3	6382.7	5361.6
-17.5°	59467.4	39450.7	27915.7	20758.9	16220.9	13056.5	10735.7	9002.2	7742.0	6684.6	5555.7
-20°	54505.7	38461.4	27471.0	20548.8	16287.9	13264.8	10956.9	9271.9	8045.5	6808.2	5553.2



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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°	50839.3	36250.9	26654.2	20000.6	16117.3	13422.3	11266.3	9565.5	8259.3	6768.0	5441.2
-25°	47870.9	33411.3	25171.9	19935.3	16028.5	13385.6	11457.5	9902.1	8256.8	6567.7	5240.0
-27.5°	43286.0	31498.5	23805.3	19268.7	15856.1	13436.6	11609.6	10024.9	8086.2	6382.4	5105.9
-30°	38075.3	29326.8	22832.1	18286.5	15568.1	13385.1	11694.0	9642.5	7748.4	6143.1	5047.7
-32.5°	33403.7	26666.2	21413.3	17650.9	15115.9	13252.2	11143.6	9062.7	7239.2	6030.6	4954.2
-35°	30277.5	24036.1	19996.4	16971.1	14659.2	12472.8	10342.4	8363.9	6960.7	5851.6	4792.8
-37.5°	26895.2	21741.5	18556.5	16015.5	13601.0	11385.6	9363.4	7888.7	6710.5	5596.2	4614.6
-40°	23803.2	19910.4	16868.1	14513.5	12237.2	10099.3	8723.9	7531.7	6362.5	5300.6	4392.3
-42.5°	20935.5	17827.1	14969.6	12703.7	10787.0	9451.6	8220.6	7041.3	5956.9	4988.2	4157.1
-45°	17956.2	15283.0	12893.9	11331.2	10017.7	8772.9	7575.9	6500.4	5513.3	4664.7	3881.6
-47.5°	15071.3	13343.1	11743.5	10323.0	9130.7	7984.0	6912.8	5918.3	5096.5	4315.7	3606.9
-50°	13215.7	11819.7	10499.5	9281.3	8203.2	7176.2	6257.4	5420.1	4663.7	3959.5	3315.3
-52.5°	11464.9	10316.6	9240.6	8208.0	7295.6	6448.3	5642.7	4909.6	4218.7	3601.7	3040.4
-55°	9909.9	8931.8	8084.1	7253.8	6458.2	5732.6	5034.1	4384.0	3794.7	3241.1	2741.5
-57.5°	8550.6	7748.2	7033.4	6333.3	5653.4	5020.1	4425.2	3864.4	3349.4	2862.3	2417.0
-60°	7302.5	6616.5	6025.5	5439.1	4860.5	4309.4	3820.6	3343.9	2881.3	2486.0	2105.8
-62.5°	6139.3	5578.1	5068.9	4579.3	4110.3	3664.2	3237.0	2843.3	2474.6	2124.7	1780.3
-65°	5009.0	4547.8	4130.7	3751.4	3385.1	3033.6	2682.2	2349.1	2034.3	1736.4	1440.8
-67.5°	3939.9	3578.9	3254.7	2960.4	2678.7	2390.8	2102.5	1826.8	1592.8	1369.5	1144.2
-70°	3032.4	2753.1	2492.3	2247.8	2024.3	1816.9	1617.8	1420.0	1219.4	1040.5	887.2
-72.5°	2322.3	2104.2	1903.9	1727.8	1550.6	1386.3	1230.4	1079.4	931.7	788.1	673.0
-75°	1734.6	1571.0	1418.1	1285.2	1152.7	1021.5	911.3	813.0	717.8	626.3	546.2
-77.5°	1257.8	1152.8	1051.9	964.5	877.7	792.1	708.8	634.4	572.3	514.3	464.8
-80°	953.7	880.6	809.9	750.1	690.9	632.7	576.8	528.5	483.1	443.3	410.3
-82.5°	746.2	695.0	645.0	603.5	562.8	523.1	485.2	455.0	426.0	398.3	373.0
-85°	598.4	563.4	529.1	501.7	474.7	448.2	422.3	402.7	383.7	365.2	347.5
-87.5°	493.9	472.4	451.1	432.5	414.1	395.9	377.9	364.7	351.8	339.0	326.5
-90°	29.7	33.5	37.3	41.2	45.0	48.9	52.7	56.5	60.4	64.2	68.0



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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°	302.6	296.8	291.1	285.3	276.9	268.6	260.2	251.8	236.9	222.1	207.2
87.5°	71.6	75.2	78.8	82.3	85.2	88.1	91.0	93.8	96.0	98.1	100.3
85°	71.6	75.2	78.7	82.3	85.2	88.2	91.0	93.9	96.0	98.2	100.3
82.5°	71.7	75.1	78.5	81.9	85.0	88.1	91.1	94.0	96.1	98.2	100.4
80°	72.1	75.6	78.9	82.2	85.1	88.1	91.2	94.1	96.2	98.3	100.5
77.5°	72.6	76.1	79.7	82.9	85.7	88.5	91.4	94.2	96.4	98.5	100.6
75°	73.0	76.5	80.1	83.4	86.2	89.0	91.8	94.4	96.5	98.6	100.7
72.5°	73.5	77.1	80.6	83.8	86.6	89.4	92.2	94.7	96.8	98.8	100.9
70°	74.0	77.6	81.2	84.2	87.0	89.8	92.6	95.0	97.0	99.1	101.1
67.5°	74.4	77.9	81.5	84.7	87.5	90.3	93.0	95.3	97.3	99.3	101.3
65°	75.4	78.6	81.7	84.9	87.9	90.8	93.5	95.6	97.6	99.6	101.6
62.5°	76.4	79.9	82.8	85.4	88.4	91.3	94.0	96.0	98.0	99.9	101.9
60°	77.4	80.9	83.9	86.4	89.1	91.9	94.5	96.4	98.3	100.3	102.2
57.5°	78.4	81.9	84.7	87.4	90.0	92.6	95.0	96.9	98.7	100.6	102.5
55°	79.6	82.9	85.6	88.2	90.9	93.4	95.6	97.6	99.2	101.0	102.7
52.5°	80.8	83.9	86.5	89.1	91.7	94.2	96.3	98.3	99.9	101.4	103.1
50°	82.2	84.9	87.5	90.1	92.6	94.9	96.9	98.9	100.7	102.0	103.4
47.5°	83.4	86.0	88.6	91.1	93.6	95.7	97.6	99.6	101.5	102.7	103.8
45°	84.8	87.3	89.8	92.3	94.5	96.5	98.4	100.3	102.1	103.4	104.3
42.5°	86.3	88.7	91.0	93.4	95.5	97.3	99.2	101.0	102.8	104.1	104.8
40°	87.7	90.5	92.5	94.6	96.6	98.3	100.0	101.8	103.5	104.7	105.3
37.5°	89.0	92.0	94.3	96.0	97.8	99.4	100.9	102.6	104.1	105.2	105.9
35°	91.0	93.3	96.1	97.5	99.2	100.6	101.8	103.4	104.9	105.9	106.4
32.5°	93.2	94.8	97.3	99.2	100.7	101.9	102.9	104.5	105.8	106.6	107.0
30°	95.5	96.9	98.6	100.8	102.3	103.4	104.4	105.7	106.7	107.3	107.5
27.5°	98.0	99.1	100.2	102.2	103.8	105.0	106.2	107.1	107.7	108.2	108.1
25°	100.6	101.5	102.3	103.7	105.2	107.4	108.1	108.6	108.9	109.0	108.8
22.5°	103.3	104.0	104.4	105.3	108.5	110.2	110.3	110.3	110.2	110.0	109.5
20°	106.3	106.7	107.9	110.8	112.4	113.1	112.7	112.1	111.5	110.9	110.3
17.5°	109.6	116.2	119.2	118.1	117.0	116.3	115.2	114.0	113.0	112.0	111.0
15°	137.8	137.4	132.9	126.8	122.1	119.8	117.8	115.9	114.5	113.0	112.6
12.5°	179.5	162.9	148.5	136.6	127.6	123.5	120.5	117.8	116.0	115.5	115.3
10°	227.9	191.5	165.6	147.3	133.4	127.3	123.2	122.3	121.0	119.4	118.1
7.5°	281.0	222.3	183.7	158.4	148.2	144.6	138.9	132.3	126.6	123.3	120.9
5°	431.3	395.7	335.7	260.3	212.4	177.2	157.2	142.7	132.3	127.2	123.7
2.5°	991.8	798.5	579.7	379.6	279.1	210.8	175.8	153.3	138.0	131.1	126.5
0°	1555.6	1204.3	825.2	498.8	345.6	244.1	194.3	163.7	143.6	135.0	129.2
-2.5°	2051.2	1634.0	1218.3	819.5	527.4	356.3	267.1	204.8	166.0	148.2	138.7
-5°	2527.0	2047.9	1594.6	1123.0	700.9	464.5	337.2	244.5	187.9	161.1	148.0
-7.5°	3048.1	2437.4	1911.9	1385.3	860.6	566.0	402.5	281.5	208.6	173.7	157.0
-10°	3530.3	2782.0	2138.9	1536.7	1000.8	673.2	465.4	315.0	227.8	185.7	165.8
-12.5°	3940.0	3070.5	2326.2	1664.0	1125.8	784.0	549.7	366.5	248.2	197.1	174.2
-15°	4263.8	3292.3	2467.3	1764.9	1234.7	882.8	624.6	422.3	287.8	214.6	182.1
-17.5°	4452.0	3438.2	2556.5	1837.5	1326.1	967.9	688.7	470.1	322.6	238.8	194.1
-20°	4432.0	3477.5	2595.9	1880.3	1398.5	1037.9	740.9	508.9	351.8	260.3	208.5



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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°	4379.9	3454.1	2620.8	1938.9	1459.8	1091.5	780.1	537.7	375.0	278.6	221.4
-25°	4292.9	3397.5	2619.0	1992.5	1513.1	1132.3	809.3	555.7	391.3	293.4	232.6
-27.5°	4188.8	3324.6	2592.3	2018.9	1549.6	1155.0	827.9	574.4	403.8	304.5	242.0
-30°	4056.7	3267.9	2585.0	2023.8	1561.8	1166.0	831.3	583.6	416.6	314.2	249.4
-32.5°	3967.1	3185.0	2558.0	2017.5	1557.8	1161.3	828.4	582.6	423.8	322.6	256.0
-35°	3891.3	3123.4	2500.4	1981.5	1536.2	1153.4	826.4	570.8	425.2	328.1	261.4
-37.5°	3757.1	3047.6	2431.2	1925.9	1493.9	1131.8	823.7	576.6	420.7	330.7	265.2
-40°	3616.8	2934.3	2343.1	1857.4	1449.6	1096.5	808.8	577.9	418.0	330.1	267.5
-42.5°	3425.3	2790.9	2245.0	1769.2	1395.3	1065.9	783.5	566.9	419.2	329.7	268.2
-45°	3213.3	2625.6	2128.4	1697.4	1328.7	1021.5	755.9	546.0	413.6	328.6	268.6
-47.5°	2974.4	2463.6	2003.2	1601.1	1261.3	964.6	713.1	528.8	400.5	325.4	269.3
-50°	2760.4	2285.6	1863.6	1490.8	1172.6	895.1	661.7	501.8	391.8	319.3	269.0
-52.5°	2535.3	2094.6	1702.6	1358.6	1065.7	808.4	615.7	467.7	378.7	314.0	267.6
-55°	2285.8	1877.0	1517.9	1211.6	943.0	730.4	558.5	444.8	361.3	308.5	265.3
-57.5°	2019.3	1635.5	1325.3	1051.4	829.7	647.3	511.6	416.7	348.9	301.2	263.2
-60°	1740.6	1407.9	1122.3	906.4	719.9	573.2	469.9	389.5	336.9	293.0	259.0
-62.5°	1459.4	1173.3	950.9	766.0	621.8	511.4	427.3	371.3	322.8	285.9	253.6
-65°	1194.1	971.8	779.2	647.5	534.8	451.3	400.7	350.8	311.6	278.0	248.1
-67.5°	938.8	784.4	643.1	531.6	464.3	413.2	370.5	334.6	300.5	269.2	243.4
-70°	746.9	617.3	524.2	462.5	413.6	374.5	349.3	319.9	288.5	263.1	238.3
-72.5°	592.0	517.5	450.0	399.8	375.8	352.4	329.6	305.5	280.8	256.6	232.9
-75°	482.2	438.7	401.3	371.7	350.4	330.1	314.3	296.2	272.8	249.7	229.0
-77.5°	429.8	397.4	367.8	346.3	331.5	316.9	302.4	286.4	265.2	245.2	225.5
-80°	387.9	366.8	347.2	329.9	316.6	303.4	291.8	279.2	259.8	240.7	221.7
-82.5°	356.4	342.0	328.7	316.1	305.3	294.5	283.8	272.6	254.1	235.8	218.0
-85°	336.4	325.5	315.1	305.1	295.2	285.4	275.7	265.8	248.5	231.5	214.6
-87.5°	318.4	310.5	302.8	295.1	286.1	277.1	268.0	258.9	242.9	226.9	211.0
-90°	71.6	75.2	78.7	82.3	85.2	88.1	90.9	93.8	96.0	98.1	100.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	192.4	175.2	157.9	140.7	123.5	117.2	111.0
87.5°	102.4	103.9	105.4	106.8	108.3	109.6	111.0
85°	102.4	104.0	105.5	106.9	108.4	109.6	111.0
82.5°	102.5	104.1	105.6	107.1	108.5	109.7	111.0
80°	102.5	104.2	105.7	107.2	108.5	109.7	111.0
77.5°	102.6	104.2	105.8	107.3	108.6	109.7	111.0
75°	102.7	104.3	106.0	107.4	108.7	109.8	111.0
72.5°	102.8	104.3	106.0	107.6	108.8	109.8	111.0
70°	102.9	104.4	106.0	107.7	108.9	109.8	111.0
67.5°	103.1	104.4	106.0	107.7	109.0	109.9	111.0
65°	103.2	104.5	106.0	107.7	109.2	109.9	111.0
62.5°	103.5	104.8	106.0	107.7	109.3	109.9	111.0
60°	103.7	105.0	106.1	107.7	109.4	110.0	111.0
57.5°	103.9	105.2	106.3	107.7	109.3	110.0	111.0
55°	104.2	105.5	106.5	107.8	109.3	110.1	111.0
52.5°	104.4	105.8	106.8	107.8	109.3	110.1	111.0
50°	104.7	106.0	107.0	107.8	109.3	110.1	111.0
47.5°	105.0	106.2	107.3	107.9	109.4	110.2	111.0
45°	105.4	106.5	107.6	108.1	109.4	110.2	111.0
42.5°	105.8	106.7	107.9	108.3	109.4	110.3	111.0
40°	106.2	107.0	108.1	108.6	109.5	110.3	111.0
37.5°	106.7	107.3	108.3	108.8	109.5	110.4	111.0
35°	107.2	107.7	108.6	109.1	109.6	110.4	111.0
32.5°	107.7	108.1	108.8	109.3	109.6	110.5	111.0
30°	108.1	108.5	109.1	109.6	109.7	110.5	111.0
27.5°	108.6	108.9	109.5	109.9	109.8	110.5	111.0
25°	109.0	109.4	110.0	110.1	109.9	110.6	111.0
22.5°	109.5	110.0	110.6	110.4	110.0	110.6	111.0
20°	109.9	111.1	111.2	110.7	110.1	110.7	111.0
17.5°	111.1	112.2	111.8	111.0	110.2	110.7	111.0
15°	112.9	113.4	112.5	111.3	110.3	110.8	111.0
12.5°	114.7	114.6	113.2	111.6	110.4	110.8	111.0
10°	116.6	115.8	113.9	111.9	110.5	110.8	111.0
7.5°	118.6	117.0	114.7	112.2	110.6	110.9	111.0
5°	120.5	118.2	115.4	112.5	110.8	110.9	111.0
2.5°	122.5	119.4	116.1	112.7	110.9	111.0	111.0
0°	124.4	120.6	116.8	113.0	111.0	111.0	111.0
-2.5°	131.2	124.8	119.1	114.6	111.9	111.4	111.0
-5°	137.8	129.0	121.5	116.1	112.8	111.7	111.0
-7.5°	144.3	133.0	123.7	117.6	113.6	112.1	111.0
-10°	150.5	136.8	125.9	119.1	114.5	112.4	111.0
-12.5°	156.4	140.4	128.0	120.6	115.3	112.8	111.0
-15°	161.8	143.8	130.1	122.0	116.2	113.1	111.0
-17.5°	166.9	146.9	132.0	123.3	117.0	113.4	111.0
-20°	173.2	149.6	133.9	124.6	117.8	113.7	111.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	181.9	152.0	135.6	125.8	118.5	114.1	111.0
-25°	189.7	156.5	137.3	127.0	119.2	114.4	111.0
-27.5°	196.6	161.7	138.8	128.1	119.9	114.7	111.0
-30°	202.6	166.5	140.4	129.1	120.6	114.9	111.0
-32.5°	207.5	170.6	144.1	130.0	121.2	115.2	111.0
-35°	212.0	174.3	147.4	130.8	121.8	115.5	111.0
-37.5°	216.1	177.7	150.4	131.5	122.3	115.7	111.0
-40°	219.3	181.3	153.1	132.2	122.8	116.0	111.0
-42.5°	221.7	184.2	155.4	133.2	123.3	116.2	111.0
-45°	223.3	186.6	157.6	134.7	123.7	116.4	111.0
-47.5°	224.1	188.4	159.4	136.1	124.0	116.6	111.0
-50°	225.2	189.7	160.9	137.5	124.4	116.7	111.0
-52.5°	225.6	190.3	162.0	138.8	124.6	116.9	111.0
-55°	225.1	190.9	162.8	139.9	124.8	117.0	111.0
-57.5°	223.9	191.1	163.3	140.8	125.0	117.1	111.0
-60°	222.1	190.8	163.5	141.6	125.1	117.2	111.0
-62.5°	220.5	190.1	164.1	142.2	125.2	117.3	111.0
-65°	218.3	188.9	164.4	142.7	125.2	117.4	111.0
-67.5°	215.6	187.9	164.5	143.0	125.2	117.4	111.0
-70°	212.3	187.3	164.3	143.2	125.2	117.5	111.0
-72.5°	210.2	186.3	163.9	143.3	125.1	117.5	111.0
-75°	208.1	185.0	163.3	143.3	125.0	117.5	111.0
-77.5°	205.5	183.4	162.8	143.1	124.8	117.5	111.0
-80°	202.7	182.0	162.1	142.9	124.6	117.5	111.0
-82.5°	200.4	180.6	161.3	142.5	124.4	117.4	111.0
-85°	197.9	179.0	160.3	142.0	124.1	117.4	111.0
-87.5°	195.3	177.2	159.2	141.4	123.8	117.3	111.0
-90°	102.4	103.9	105.3	106.8	108.2	109.6	111.0

(END OF REPORT)