

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: P1212207 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-5S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212207 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-57-80-5S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

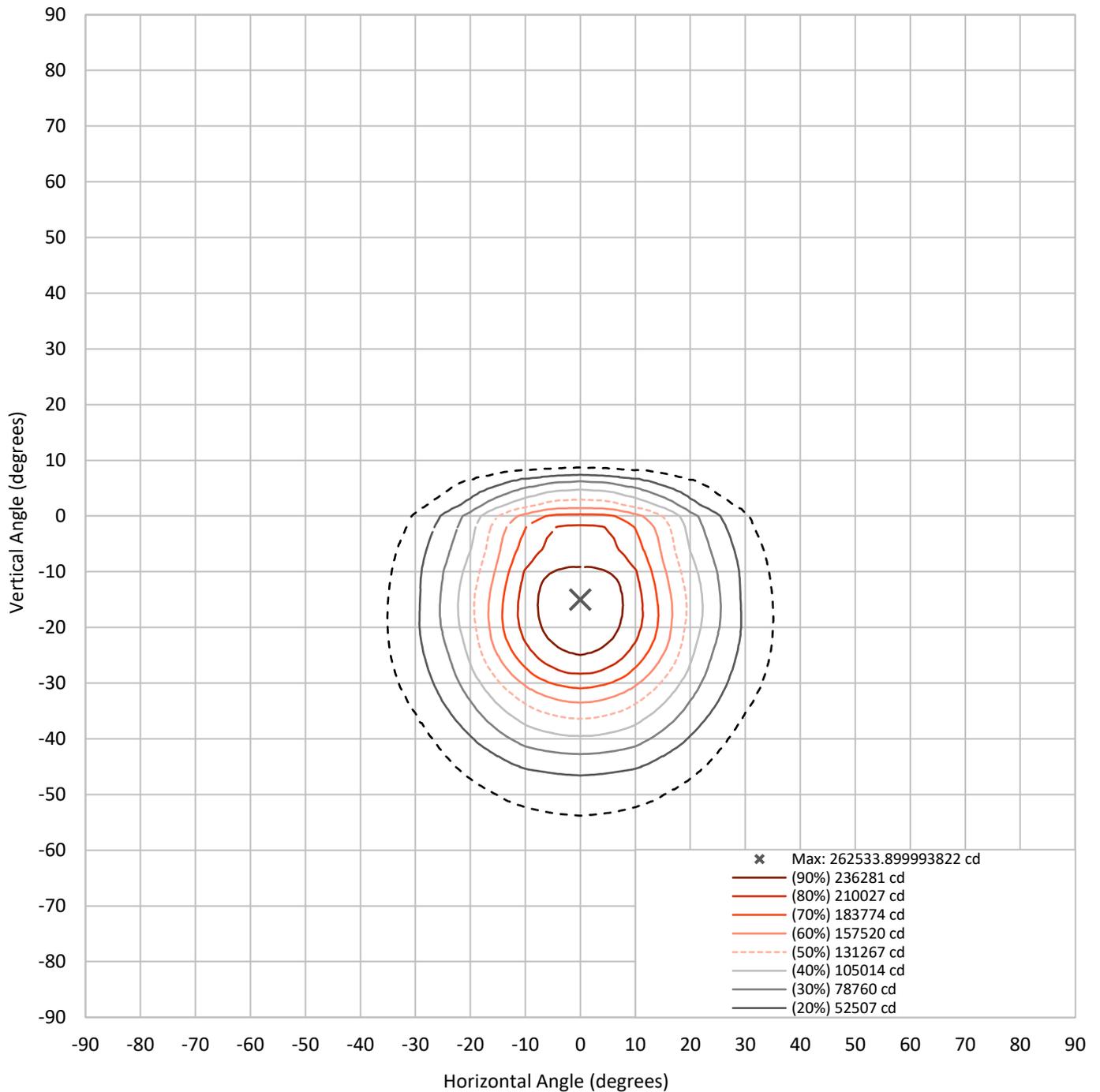
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	128411.5 lumens	Max Intensity:	262533.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	123.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	73360.7 lumens	Field Lumens:	117023.1 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%

Input Watts (W): 1041  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot



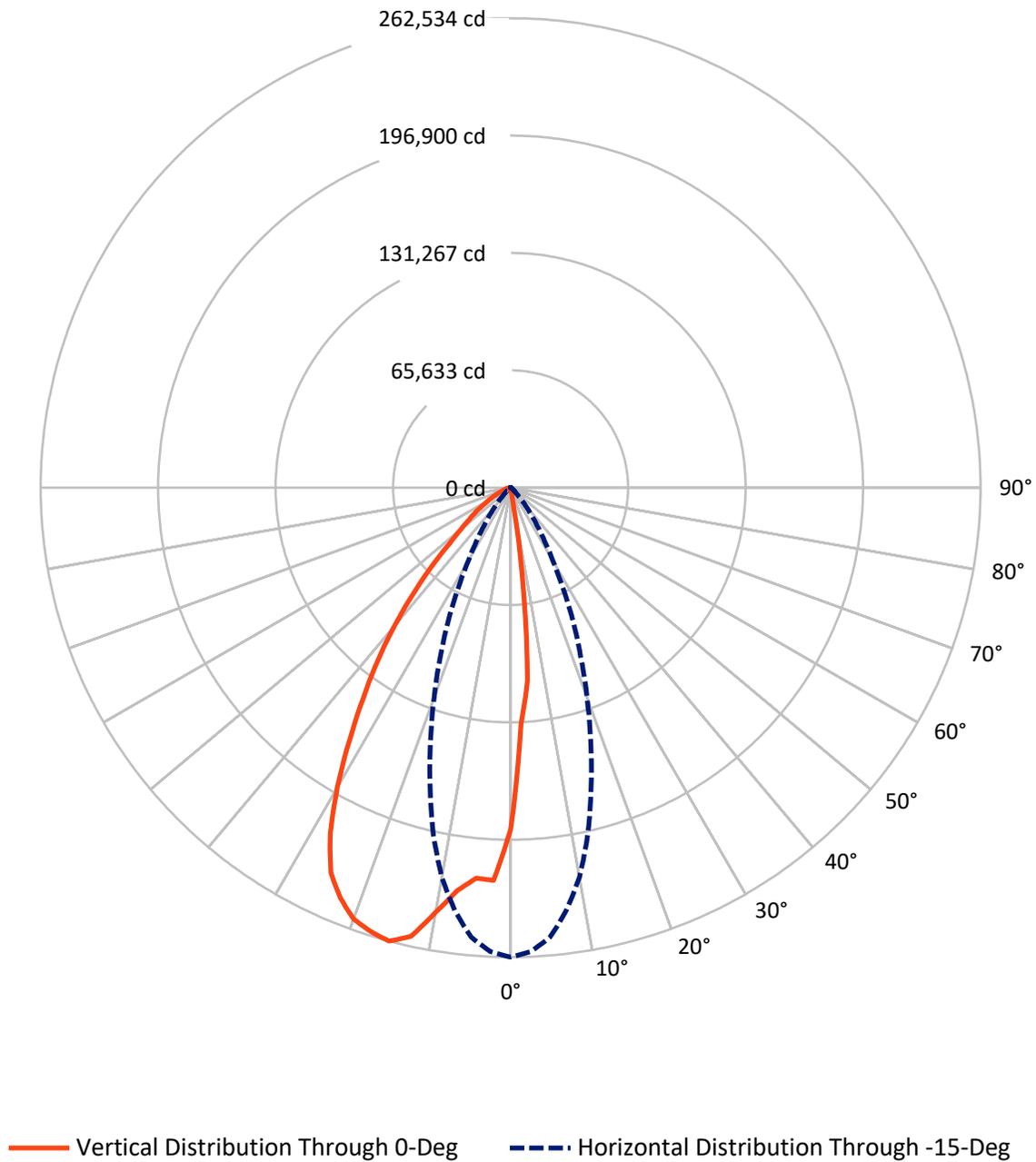
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### Lumen Table

90	2.4	6.3		7.3		6.0		4.4		6.0		7.3		6.3		2.4			
80	2.4	6.3		7.3		6.0		4.4		6.0		7.3		6.3		2.4			
70	2.4	1.3	1.5	1.6	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.6	1.5	1.3	2.4			
60		1.3	1.6	1.7	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.7	1.6	1.3				
50	2.4	1.4	1.7	1.8	1.7	1.4	0.9	0.3	0.3	0.9	1.4	1.7	1.8	1.7	1.4	2.4			
40		1.4	1.8	2.0	2.0	1.7	1.1	0.4	0.4	1.1	1.7	2.0	2.0	1.8	1.4				
30	2.6	1.5	2.0	2.3	2.5	2.3	1.6	0.6	0.6	1.6	2.3	2.5	2.3	2.0	1.5	2.6			
20		1.6	2.5	3.7	5.3	13.4	16.3	12.6	12.6	16.3	13.4	5.3	3.7	2.5	1.6				
10	2.9	2.1	5.3	21.9	134.7	666.4	1770.6	2735.1	2735.1	1770.6	666.4	134.7	21.9	5.3	2.1	2.9			
0		3.8	16.0	88.2	519.8	1902.3	4394.7	6428.4	6428.4	4394.7	1902.3	519.8	88.2	16.0	3.8				
-10	3.9	6.4	27.8	121.2	680.3	2285.9	5054.4	7410.8	7410.8	5054.4	2285.9	680.3	121.2	27.8	6.4	3.9			
-20		8.1	34.3	114.0	628.1	2026.3	4544.9	6656.9	6656.9	4544.9	2026.3	628.1	114.0	34.3	8.1				
-30	4.7	8.3	34.0	102.1	394.5	1327.2	2882.4	4158.3	4158.3	2882.4	1327.2	394.5	102.1	34.0	8.3	4.7			
-40		7.5	28.2	82.1	227.3	624.9	1323.8	1862.5	1862.5	1323.8	624.9	227.3	82.1	28.2	7.5				
-50	4.7	6.2	19.0	53.5	130.9	289.8	522.4	693.0	693.0	522.4	289.8	130.9	53.5	19.0	6.2	4.7			
-60		5.0	11.5	27.7	61.3	119.1	198.7	253.9	253.9	198.7	119.1	61.3	27.7	11.5	5.0				
-70	4.1	20.0	53.3		133.7		198.5		133.7		53.3		20.0		4.1				
-80		4.1	20.0		53.3		133.7		198.5		133.7		53.3			20.0			
-90	4.1	20.0		53.3		133.7		198.5		133.7		53.3		20.0		4.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

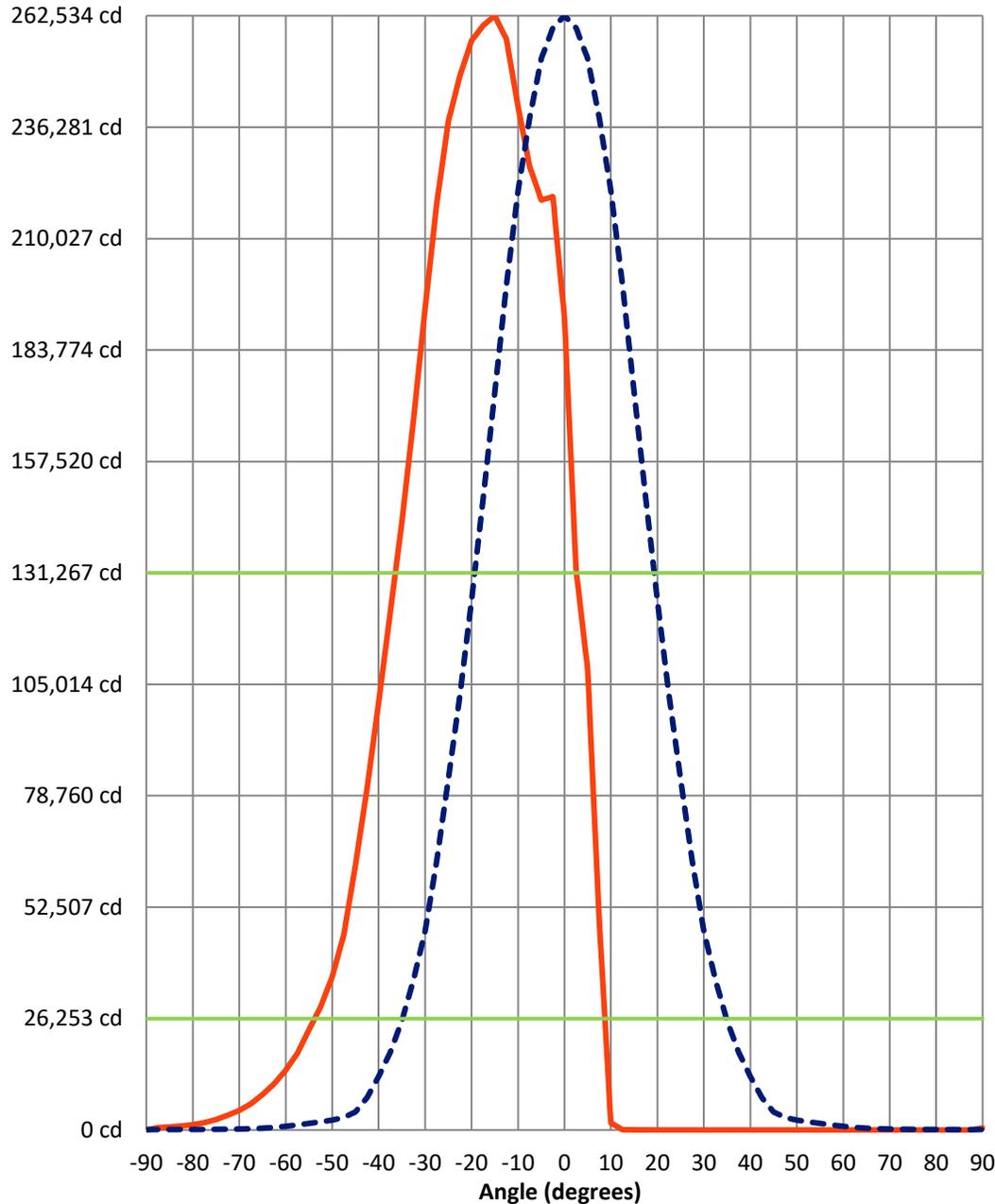
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CATALOG NUMBER: EPH-LS12-1000R-57-80-5S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 38.6°  
 V Angle: 39°  
 Lumens: 73360.7  
 Efficiency: 57.1%

**Field:**  
 H Angle: 69.7°  
 V Angle: 62.5°  
 Lumens: 117023.1  
 Efficiency: 91.1%

**Spill:**  
 Lumens: 11388.4  
 Efficiency: 8.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -15-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°	120.6	127.8	135.0	151.5	168.0	184.5	201.0	216.6	232.1	247.7	263.3
87.5°	120.6	119.6	118.6	116.5	114.3	112.2	110.1	107.2	104.4	101.5	98.6
85°	120.6	119.6	118.5	116.4	114.3	112.2	110.1	107.3	104.4	101.6	98.7
82.5°	120.6	119.6	118.5	116.3	114.2	112.2	110.2	107.4	104.5	101.7	98.8
80°	120.6	119.6	118.4	116.3	114.2	112.2	110.3	107.5	104.7	101.8	99.0
77.5°	120.6	119.6	118.3	116.2	114.1	112.2	110.4	107.7	104.9	102.0	99.2
75°	120.6	119.6	118.3	116.2	114.2	112.4	110.5	107.9	105.1	102.3	99.5
72.5°	120.6	119.6	118.2	116.1	114.4	112.6	110.7	108.1	105.3	102.6	99.8
70°	120.6	119.5	118.2	116.2	114.6	112.8	110.8	108.4	105.6	102.9	100.1
67.5°	120.6	119.5	118.1	116.3	114.8	113.0	111.0	108.7	106.0	103.3	100.5
65°	120.6	119.5	118.1	116.5	115.0	113.2	111.3	109.0	106.4	103.7	101.0
62.5°	120.6	119.6	118.1	116.8	115.3	113.4	111.5	109.4	106.8	104.1	101.5
60°	120.6	119.6	118.1	117.0	115.5	113.7	111.8	109.8	107.2	104.7	102.1
57.5°	120.6	119.6	118.2	117.2	115.7	113.9	112.0	110.2	107.7	105.2	102.7
55°	120.6	119.6	118.4	117.5	115.9	114.1	112.4	110.5	108.3	105.8	103.5
52.5°	120.6	119.6	118.5	117.7	116.2	114.4	112.7	110.9	108.8	106.7	104.4
50°	120.6	119.6	118.7	118.0	116.4	114.7	113.0	111.4	109.5	107.6	105.4
47.5°	120.6	119.7	118.8	118.2	116.6	115.0	113.4	111.9	110.4	108.5	106.5
45°	120.6	119.7	119.0	118.4	116.9	115.3	113.9	112.4	111.2	109.6	107.6
42.5°	120.6	119.7	119.1	118.6	117.2	115.7	114.4	113.1	112.0	110.7	108.5
40°	120.6	119.7	119.3	118.8	117.4	116.0	114.9	113.8	112.8	111.9	109.3
37.5°	120.6	119.8	119.4	119.0	117.7	116.4	115.5	114.5	113.8	112.8	110.1
35°	120.6	119.8	119.6	119.3	118.0	116.8	116.0	115.3	114.7	113.6	111.0
32.5°	120.6	119.9	119.7	119.5	118.3	117.3	116.7	116.1	115.7	114.4	112.3
30°	120.6	119.9	119.9	119.8	118.7	117.8	117.3	116.9	116.8	115.4	113.8
27.5°	120.6	120.0	120.0	120.1	119.2	118.4	118.0	117.7	117.8	116.6	115.5
25°	120.6	120.0	120.2	120.5	119.9	118.9	118.7	118.7	118.7	118.0	117.3
22.5°	120.6	120.1	120.3	120.8	120.6	119.7	119.4	119.6	119.8	119.5	119.4
20°	120.6	120.1	120.5	121.2	121.4	121.0	120.0	120.5	120.9	121.2	121.7
17.5°	120.6	120.2	120.6	121.6	122.2	122.4	121.6	121.4	122.1	122.9	124.0
15°	120.6	120.2	120.8	122.0	123.0	123.9	123.8	123.4	123.4	124.6	126.4
12.5°	120.6	120.3	120.9	122.4	123.9	125.4	126.1	126.7	126.5	126.5	128.8
10°	120.6	120.3	121.1	122.8	124.8	127.0	128.4	130.0	131.2	132.2	134.0
7.5°	120.6	120.4	121.2	123.2	125.7	128.5	130.8	133.4	135.9	138.6	145.1
5°	120.6	120.5	121.3	123.6	126.6	130.1	133.2	136.8	140.7	145.1	156.7
2.5°	120.6	120.5	121.5	124.0	127.4	131.6	135.6	140.2	145.5	151.6	168.4
0°	120.6	120.6	121.6	124.4	128.3	133.1	137.9	143.6	150.3	158.0	180.0
-2.5°	120.6	121.0	122.6	126.2	131.0	137.3	145.2	154.1	165.7	183.2	223.3
-5°	120.6	121.4	123.6	127.9	133.6	141.5	152.3	164.4	180.8	207.8	265.2
-7.5°	120.6	121.9	124.6	129.6	136.2	145.5	159.1	174.5	195.5	231.3	304.5
-10°	120.6	122.3	125.6	131.3	138.7	149.4	165.7	184.1	209.4	253.3	340.4
-12.5°	120.6	122.7	126.5	132.9	141.1	153.1	171.8	193.3	222.5	275.5	387.7
-15°	120.6	123.1	127.4	134.5	143.5	156.6	177.5	201.8	239.4	310.9	436.8
-17.5°	120.6	123.5	128.3	136.0	145.7	159.8	182.5	213.4	260.7	341.8	478.9
-20°	120.6	123.8	129.2	137.4	147.8	162.8	188.6	226.7	279.6	367.6	513.2



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-5S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	120.6	124.2	130.0	138.8	149.8	165.5	196.9	238.6	295.8	387.6	538.8
-25°	120.6	124.6	130.9	140.0	151.7	170.5	204.4	249.0	308.9	401.4	555.1
-27.5°	120.6	124.9	131.6	141.2	153.4	176.1	211.1	257.7	318.9	411.8	570.9
-30°	120.6	125.2	132.3	142.3	155.2	181.2	216.9	264.7	327.8	423.0	577.9
-32.5°	120.6	125.6	133.0	143.4	158.9	185.7	221.9	271.0	335.6	429.5	575.4
-35°	120.6	125.9	133.7	144.3	162.2	189.7	226.8	276.3	340.8	431.2	563.1
-37.5°	120.6	126.1	134.3	145.1	165.1	193.3	231.2	280.3	343.3	427.8	561.7
-40°	120.6	126.4	134.8	145.8	167.7	196.7	234.8	283.0	343.1	425.9	558.9
-42.5°	120.6	126.7	135.3	146.8	169.9	199.6	237.4	284.4	343.4	425.2	546.9
-45°	120.6	126.9	135.7	148.3	172.0	201.9	239.2	285.3	343.4	420.0	528.1
-47.5°	120.6	127.1	136.1	149.6	173.7	203.6	240.1	286.1	341.6	409.9	515.2
-50°	120.6	127.3	136.4	150.9	175.1	204.7	241.0	285.7	337.5	404.1	496.2
-52.5°	120.6	127.5	136.7	152.1	176.1	205.2	241.2	284.1	333.1	394.9	472.7
-55°	120.6	127.6	136.9	153.1	176.8	205.6	240.6	281.6	327.5	382.6	456.5
-57.5°	120.6	127.8	137.1	154.0	177.2	205.7	239.2	279.2	320.0	371.3	436.5
-60°	120.6	127.9	137.2	154.6	177.3	205.3	237.2	275.0	311.6	358.8	415.3
-62.5°	120.6	128.0	137.3	155.1	177.7	204.4	235.4	269.8	304.8	344.2	396.4
-65°	120.6	128.0	137.3	155.5	177.8	203.0	233.1	264.4	297.2	333.2	375.0
-67.5°	120.6	128.1	137.3	155.7	177.7	201.8	230.1	259.6	288.7	322.6	359.0
-70°	120.6	128.1	137.2	155.7	177.3	200.9	226.6	254.4	282.1	311.0	344.9
-72.5°	120.6	128.2	137.1	155.6	176.7	199.6	224.2	248.7	275.1	302.4	330.7
-75°	120.6	128.2	136.9	155.4	175.9	198.0	221.6	244.2	267.5	293.3	319.9
-77.5°	120.6	128.1	136.7	155.0	175.0	196.1	218.6	239.9	261.7	284.3	308.4
-80°	120.6	128.1	136.4	154.6	173.9	194.1	215.2	235.2	255.7	276.8	298.6
-82.5°	120.6	128.0	136.1	154.0	172.6	192.0	212.0	230.6	249.3	268.9	288.9
-85°	120.6	128.0	135.8	153.2	171.2	189.7	208.6	226.1	243.8	261.7	279.7
-87.5°	120.6	127.9	135.4	152.4	169.7	187.2	204.9	221.5	238.1	254.8	271.7
-90°	120.6	119.6	118.7	116.5	114.4	112.2	110.1	107.2	104.4	101.5	98.6



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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°	273.4	283.4	293.5	303.5	307.6	311.6	315.7	319.7	324.7	329.8	334.8
87.5°	95.3	91.9	88.6	85.2	81.4	77.6	73.8	69.9	65.6	61.3	57.0
85°	95.4	92.0	88.7	85.3	81.5	77.7	73.9	70.1	65.8	61.5	57.2
82.5°	95.5	92.2	88.8	85.5	81.7	77.9	74.1	70.3	66.0	61.7	57.4
80°	95.7	92.4	89.1	85.8	82.0	78.2	74.4	70.6	66.4	62.0	57.7
77.5°	96.0	92.7	89.4	86.1	82.4	78.6	74.8	71.0	66.8	62.5	58.1
75°	96.3	93.0	89.7	86.4	82.8	79.0	75.2	71.2	67.0	62.6	58.4
72.5°	96.7	93.5	90.2	86.9	83.3	79.4	75.4	71.2	67.0	63.0	58.9
70°	97.2	93.9	90.7	87.4	83.9	79.9	75.9	71.8	67.7	63.7	59.6
67.5°	97.7	94.5	91.3	88.0	84.7	80.7	76.6	72.6	68.5	64.4	60.3
65°	98.3	95.1	91.9	88.7	85.4	81.5	77.5	73.5	69.4	65.3	61.2
62.5°	98.8	95.8	92.6	89.4	86.2	82.5	78.5	74.5	70.4	66.6	62.5
60°	99.5	96.5	93.4	90.2	87.1	83.6	79.6	75.8	72.1	68.3	63.6
57.5°	100.2	97.3	94.2	91.1	88.0	84.7	80.9	77.3	73.3	68.9	64.2
55°	101.0	98.2	95.2	92.1	89.1	85.9	82.3	78.3	74.1	70.0	65.7
52.5°	101.9	99.1	96.2	93.3	90.4	87.1	83.6	79.6	75.6	71.5	67.3
50°	102.9	100.1	97.3	94.7	91.8	88.5	85.1	81.2	77.2	73.1	69.0
47.5°	103.9	101.0	98.9	96.3	93.1	89.9	86.6	82.9	79.0	74.9	70.8
45°	104.7	102.3	100.4	97.7	94.6	91.4	88.2	84.8	80.9	76.9	73.2
42.5°	105.6	103.6	101.6	99.1	96.1	93.1	89.9	86.6	82.9	79.2	75.5
40°	106.8	104.9	102.9	100.6	97.8	94.8	91.7	88.5	85.1	81.4	77.6
37.5°	108.0	106.2	104.4	102.1	99.5	96.6	93.6	90.7	87.4	83.7	80.1
35°	109.1	107.7	105.9	103.8	101.3	98.6	96.0	93.2	90.0	86.8	83.3
32.5°	110.4	109.2	107.6	105.5	103.2	100.8	98.6	96.0	93.3	90.4	86.9
30°	112.1	110.9	109.4	107.2	105.2	103.4	101.4	99.1	97.0	94.3	91.6
27.5°	114.4	112.7	111.1	109.2	107.6	106.2	104.7	102.9	101.0	98.7	96.9
25°	116.8	115.7	112.9	111.4	110.3	109.4	108.3	107.1	105.4	103.9	102.8
22.5°	119.4	119.1	117.0	113.7	113.2	112.9	112.4	111.8	110.9	109.5	107.8
20°	122.4	122.8	121.9	120.2	117.6	116.6	116.6	116.9	117.6	118.8	116.4
17.5°	125.5	126.9	127.5	128.6	130.4	127.8	121.1	122.6	125.0	131.9	137.0
15°	128.7	131.3	133.5	138.5	146.1	151.7	152.3	141.2	135.5	149.6	164.4
12.5°	132.1	136.0	139.8	149.6	164.0	180.1	197.7	211.8	215.4	204.5	198.7
10°	135.5	140.9	146.4	161.6	183.5	211.8	250.1	294.6	340.8	417.6	542.0
7.5°	153.3	159.6	161.4	174.1	204.1	245.7	307.1	386.1	479.5	670.6	1108.1
5°	174.2	194.1	223.3	265.9	313.4	363.3	425.5	487.9	625.9	947.8	1764.1
2.5°	195.4	229.2	287.4	372.4	481.2	613.2	800.2	1326.7	2156.3	3078.3	4262.0
0°	216.4	264.2	351.3	478.7	649.1	863.5	1176.5	2183.6	3992.9	6104.7	8309.4
-2.5°	287.5	381.9	518.4	689.3	880.0	1137.3	1515.2	2758.3	4874.7	7515.8	11217.7
-5°	355.9	495.0	679.4	892.8	1104.3	1399.5	1834.6	3256.7	5702.6	8885.9	13505.3
-7.5°	420.0	600.4	830.6	1085.4	1326.5	1663.4	2174.9	3818.8	6715.3	10321.8	15126.0
-10°	481.6	702.2	971.7	1262.3	1545.7	1917.6	2485.9	4204.9	7413.5	11440.4	16366.6
-12.5°	558.5	800.2	1099.2	1424.4	1748.3	2146.6	2747.0	4372.6	7727.0	12189.1	17392.3
-15°	626.1	886.2	1210.2	1569.7	1931.9	2346.9	2950.3	4286.3	7641.6	12627.3	18314.0
-17.5°	682.9	959.0	1302.7	1696.1	2094.0	2515.2	3112.5	4182.7	7412.1	12460.8	18610.3
-20°	727.7	1017.2	1374.9	1802.1	2231.3	2669.7	3344.7	4466.0	7132.1	11721.5	17970.7



REPORT NUMBER: P1212207 (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°	759.3	1059.7	1429.7	1876.7	2333.8	2807.3	3480.2	4581.3	6531.8	10389.5	17210.5
-25°	782.8	1092.8	1470.2	1922.7	2410.0	2906.7	3497.2	4544.3	6143.6	9998.6	16120.6
-27.5°	799.3	1107.6	1492.5	1942.1	2459.5	2967.7	3531.1	4481.7	6295.2	9299.0	14319.4
-30°	802.8	1109.6	1493.1	1938.8	2463.6	2997.1	3561.1	4441.9	6135.0	8843.3	13049.6
-32.5°	798.5	1096.8	1479.5	1921.3	2430.9	2995.0	3622.7	4475.2	5888.1	8092.0	11566.0
-35°	790.6	1085.8	1449.0	1877.3	2367.9	2957.6	3640.8	4453.8	5502.4	7395.9	10304.2
-37.5°	778.8	1059.2	1398.5	1814.8	2293.4	2877.5	3574.8	4358.5	5330.0	6664.4	9235.5
-40°	754.4	1017.1	1346.8	1738.1	2203.2	2757.7	3420.6	4189.2	5073.7	6421.1	8153.7
-42.5°	720.4	975.8	1283.1	1639.9	2092.9	2615.8	3208.7	3939.9	4860.6	6020.8	7524.6
-45°	695.8	920.1	1204.8	1546.2	1954.0	2442.8	3003.1	3633.7	4540.1	5592.1	6835.0
-47.5°	659.9	857.2	1123.2	1424.9	1800.6	2247.1	2761.0	3384.0	4130.1	5080.9	6161.7
-50°	619.4	801.4	1020.0	1299.0	1628.9	2030.4	2499.2	3076.9	3746.7	4519.7	5450.0
-52.5°	588.4	733.0	928.7	1161.0	1453.4	1798.6	2233.7	2749.1	3333.2	3985.4	4820.3
-55°	550.3	678.3	831.8	1033.7	1274.4	1572.6	1954.5	2416.5	2909.2	3483.9	4188.9
-57.5°	518.1	621.9	749.7	909.0	1113.8	1352.1	1697.1	2076.0	2519.0	2997.1	3582.7
-60°	488.3	570.0	676.0	805.7	957.4	1176.2	1438.8	1763.8	2131.3	2537.8	3033.0
-62.5°	456.4	524.3	607.8	712.2	840.4	1002.9	1227.3	1481.1	1752.9	2106.8	2503.2
-65°	428.4	477.8	544.6	629.2	726.4	868.0	1035.6	1225.5	1459.4	1725.4	2012.4
-67.5°	397.2	440.9	489.0	546.1	629.7	737.3	856.3	1012.4	1188.7	1391.6	1613.2
-70°	376.5	404.3	443.6	489.0	542.0	615.8	714.9	823.3	945.9	1099.6	1279.5
-72.5°	357.4	382.4	408.4	435.6	479.9	535.2	596.0	661.8	753.8	871.9	997.6
-75°	341.2	360.0	382.6	406.5	434.5	467.5	505.6	557.9	621.7	695.7	774.4
-77.5°	327.3	344.6	362.0	379.6	398.8	424.1	452.0	482.5	523.2	568.9	616.5
-80°	314.3	328.9	344.7	360.6	375.7	391.6	408.6	426.6	454.2	487.7	525.0
-82.5°	303.0	316.6	330.2	343.7	354.4	365.1	376.4	389.5	409.9	432.4	456.2
-85°	292.0	304.0	316.5	329.0	337.4	345.9	354.5	363.4	376.5	390.3	404.7
-87.5°	282.8	293.8	304.9	316.0	322.1	328.2	334.4	340.6	349.0	357.5	366.2
-90°	95.3	91.9	88.6	85.2	81.4	77.6	73.7	69.9	65.6	61.3	57.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	339.8	348.4	357.1	365.7	374.3	386.0	397.8	409.5	421.2	436.3	451.4
87.5°	52.7	48.7	44.6	40.5	36.4	32.6	28.8	24.9	21.1	17.8	14.4
85°	52.9	48.8	44.7	40.6	36.5	32.7	28.9	25.0	21.2	17.6	14.0
82.5°	53.1	49.0	44.9	40.8	36.7	32.8	29.0	25.1	21.3	17.7	14.0
80°	53.4	49.3	45.2	41.1	37.0	33.1	29.2	25.3	21.4	17.8	14.1
77.5°	53.8	49.6	45.5	41.4	37.3	33.3	29.4	25.5	21.6	17.9	14.2
75°	54.2	50.1	46.0	41.8	37.7	33.7	29.7	25.8	21.9	18.1	14.4
72.5°	54.8	50.7	46.5	42.3	38.1	34.1	30.1	26.1	22.2	18.3	14.6
70°	55.4	51.3	47.1	42.9	38.7	34.5	30.5	26.5	22.5	18.6	14.8
67.5°	56.2	52.0	47.8	43.6	39.3	35.1	31.0	27.0	22.9	18.9	15.1
65°	57.1	52.9	48.6	44.3	40.0	35.7	31.5	27.2	22.8	18.6	14.9
62.5°	58.3	53.7	49.2	44.9	40.6	36.4	32.0	27.5	23.0	18.8	15.1
60°	58.8	54.0	49.7	45.6	41.4	37.3	32.8	28.3	23.7	19.2	15.4
57.5°	59.8	55.3	50.8	46.6	42.4	38.2	33.7	29.2	24.8	20.4	16.4
55°	61.2	56.6	52.0	47.9	43.8	39.3	34.8	30.3	25.5	20.7	16.5
52.5°	62.8	58.4	54.1	49.9	45.3	40.6	35.8	31.0	26.3	21.6	17.3
50°	64.7	60.5	56.1	51.4	46.7	41.9	37.1	32.3	27.4	22.4	17.6
47.5°	66.9	62.7	58.0	53.1	48.3	43.5	38.5	33.4	28.4	23.3	18.6
45°	69.4	64.8	59.9	55.0	50.1	45.1	40.0	34.9	29.9	24.8	19.7
42.5°	71.5	66.7	61.7	57.0	52.1	47.0	41.8	36.4	31.2	25.7	20.0
40°	73.4	68.6	64.4	59.6	54.4	49.1	43.6	38.2	32.6	26.9	21.2
37.5°	76.0	71.9	67.6	62.7	56.9	50.7	45.7	40.3	34.5	28.8	22.9
35°	79.5	75.8	71.2	66.1	60.4	54.7	49.2	43.1	36.5	30.9	24.6
32.5°	83.9	80.7	76.6	71.0	66.0	59.5	53.0	48.1	41.8	35.6	29.3
30°	89.5	88.2	82.3	76.8	70.6	65.2	61.0	55.7	50.1	43.8	35.0
27.5°	97.2	93.7	86.3	80.9	76.7	72.9	68.4	62.9	55.3	47.2	36.3
25°	102.2	96.0	90.7	87.0	84.0	80.3	74.4	67.1	56.1	44.6	35.1
22.5°	105.6	100.8	97.0	94.3	91.6	86.5	78.2	66.4	55.5	45.8	36.4
20°	110.8	105.9	106.9	107.2	99.4	93.8	81.0	67.9	58.2	48.2	38.3
17.5°	130.6	116.2	125.5	134.7	124.6	104.0	97.7	81.1	70.2	59.1	46.1
15°	167.9	171.8	174.7	173.9	169.7	152.3	132.3	127.7	112.1	101.5	88.6
12.5°	222.0	257.0	323.7	441.7	269.5	227.2	323.5	330.5	227.3	190.0	174.4
10°	600.3	369.1	656.0	1734.5	3648.9	4091.0	1094.8	3278.1	3946.8	5439.1	1547.2
7.5°	1858.3	2805.9	3636.2	5139.1	9986.7	15920.3	18224.5	19814.1	26711.5	33427.9	36238.1
5°	3366.2	5983.6	9368.7	13968.4	21001.5	29992.7	38515.2	49549.0	58355.2	71742.6	83781.9
2.5°	6447.2	10885.2	16556.3	23618.2	32112.6	43073.4	55424.4	73515.9	88806.7	101932.5	111293.8
0°	11650.4	19544.3	28723.9	41904.1	54241.8	71425.4	87619.1	110534.1	130630.8	150455.1	165332.1
-2.5°	15894.9	23543.5	33940.2	48097.0	63187.5	78513.3	98115.5	122258.8	147327.9	169578.2	187103.9
-5°	19345.1	27453.2	39161.8	53519.5	68391.0	83443.6	100912.7	124989.3	151993.2	173749.1	189987.7
-7.5°	21861.6	30726.1	43190.5	57784.6	72778.3	89307.1	108763.6	132102.1	156146.2	180772.9	199220.3
-10°	23459.3	33041.5	45620.6	61209.0	77642.3	95519.8	115633.5	138953.0	163048.2	188765.8	212362.3
-12.5°	24705.4	34605.7	46423.7	62836.9	80042.9	100040.2	121398.9	144023.2	169263.7	195890.5	217569.7
-15°	25706.8	35357.9	46854.3	63357.8	82630.9	102463.8	124766.5	148829.0	173829.5	199053.6	221180.5
-17.5°	26266.4	35677.5	47952.2	63331.1	83512.9	102703.5	124829.5	149535.1	176244.0	201678.9	221611.0
-20°	26033.5	35892.8	48105.4	62854.9	80674.3	100331.5	121171.2	147013.9	174197.0	198591.4	218317.1



REPORT NUMBER: P1212207 (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°	25627.6	35294.2	46691.5	60589.4	76361.8	94537.4	115864.1	142863.7	170082.3	191174.6	211467.0
-25°	24409.8	33616.8	44377.6	57206.5	71467.7	88255.9	110189.5	134839.2	158542.7	180327.1	199200.0
-27.5°	22210.1	31419.1	41586.4	53149.2	66201.6	82116.7	101834.2	123347.3	143925.5	164021.8	182104.1
-30°	18874.8	28089.9	37960.5	48636.4	60999.5	75409.1	91678.1	109595.6	128204.5	145936.8	161576.0
-32.5°	16615.2	23429.0	33035.5	43379.1	54674.3	67443.9	81462.8	96898.1	112337.7	126911.1	140485.0
-35°	14134.1	19689.6	26707.1	36987.3	47751.4	58765.5	71135.7	84729.2	98461.0	110487.4	121912.9
-37.5°	12414.3	16265.1	22200.6	29734.9	39325.7	49911.6	61158.7	72632.1	83872.8	94613.4	104855.5
-40°	10882.0	14098.8	18723.9	24252.0	31551.1	39731.9	50092.7	60544.4	70282.6	79400.8	88151.9
-42.5°	9428.3	12409.8	16170.8	20663.2	25639.6	31918.3	39634.7	47771.6	55499.2	63521.3	70953.1
-45°	8392.8	10817.5	13700.8	17433.6	21508.8	26249.1	31392.6	36632.2	42713.8	48783.3	53898.3
-47.5°	7623.0	9467.6	11817.4	14495.1	17597.9	21401.0	25399.1	29373.9	33571.7	37735.3	41044.7
-50°	6786.0	8340.6	10171.2	12219.8	14703.5	17406.3	20215.0	23299.9	26597.9	29773.9	32093.5
-52.5°	5867.2	7179.4	8650.0	10387.1	12381.1	14439.7	16553.6	19010.1	21476.8	23880.0	25501.0
-55°	5063.3	6076.6	7182.9	8618.8	10242.9	11984.8	13755.5	15522.6	17387.5	19309.5	20500.3
-57.5°	4289.1	5071.5	5968.9	7071.5	8251.1	9494.3	10900.8	12371.8	13804.3	15145.2	16015.7
-60°	3569.0	4141.7	4895.8	5748.1	6628.4	7532.6	8643.5	9772.9	10894.0	11900.9	12540.5
-62.5°	2925.7	3398.0	3972.5	4614.0	5298.1	6039.9	6839.8	7668.1	8512.8	9249.3	9745.9
-65°	2338.3	2716.2	3155.2	3622.1	4113.0	4686.7	5303.8	5920.3	6530.6	7038.4	7413.0
-67.5°	1868.6	2141.7	2450.5	2769.7	3137.7	3556.3	4018.8	4482.7	4943.5	5320.7	5619.3
-70°	1467.3	1669.9	1895.6	2139.1	2406.5	2703.5	3032.6	3362.5	3690.4	3954.5	4178.3
-72.5°	1129.8	1277.1	1444.9	1633.1	1825.1	2039.0	2273.7	2514.7	2759.1	2949.1	3112.2
-75°	857.5	959.6	1086.2	1217.2	1351.5	1501.2	1657.1	1812.3	1965.8	2084.7	2191.1
-77.5°	674.7	751.5	834.4	919.1	1005.0	1104.7	1209.6	1315.8	1422.4	1502.8	1576.8
-80°	563.5	611.1	662.8	716.8	772.7	839.0	907.5	976.4	1045.4	1098.8	1149.4
-82.5°	481.0	511.9	544.3	577.3	610.8	654.7	699.8	745.3	790.8	828.6	865.5
-85°	419.6	440.0	461.0	482.3	504.0	533.8	564.2	594.8	625.5	651.7	677.5
-87.5°	375.0	388.3	401.7	415.2	428.8	448.0	467.3	486.8	506.2	524.5	542.8
-90°	52.7	48.6	44.6	40.5	36.4	32.6	28.8	24.9	21.1	17.8	14.4



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	466.4	481.5	484.4	487.3	484.4	481.5	466.4	451.4	436.3	421.2	409.5
87.5°	11.1	7.7	4.8	1.9	4.8	7.7	11.1	14.4	17.8	21.1	24.9
85°	10.4	6.7	4.3	1.9	4.3	6.7	10.4	14.0	17.6	21.2	25.0
82.5°	10.4	6.8	3.9	1.0	3.9	6.8	10.4	14.0	17.7	21.3	25.1
80°	10.5	6.8	4.3	1.9	4.3	6.8	10.5	14.1	17.8	21.4	25.3
77.5°	10.6	6.9	3.9	1.0	3.9	6.9	10.6	14.2	17.9	21.6	25.5
75°	10.7	7.0	4.0	1.0	4.0	7.0	10.7	14.4	18.1	21.9	25.8
72.5°	10.8	7.0	4.4	1.9	4.4	7.0	10.8	14.6	18.3	22.2	26.1
70°	11.0	7.2	4.0	1.0	4.0	7.2	11.0	14.8	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°	11.1	7.4	4.1	1.0	4.1	7.4	11.1	14.9	18.6	22.8	27.2
62.5°	11.3	7.5	4.2	1.0	4.2	7.5	11.3	15.1	18.8	23.0	27.5
60°	11.6	7.7	4.3	1.0	4.3	7.7	11.6	15.4	19.2	23.7	28.3
57.5°	12.2	8.0	4.0	0.0	4.0	8.0	12.2	16.4	20.4	24.8	29.2
55°	12.3	8.2	4.5	1.0	4.5	8.2	12.3	16.5	20.7	25.5	30.3
52.5°	13.0	8.6	4.6	1.0	4.6	8.6	13.0	17.3	21.6	26.3	31.0
50°	13.1	8.7	4.4	0.0	4.4	8.7	13.1	17.6	22.4	27.4	32.3
47.5°	14.0	9.2	4.5	0.0	4.5	9.2	14.0	18.6	23.3	28.4	33.4
45°	14.7	9.7	5.0	1.0	5.0	9.7	14.7	19.7	24.8	29.9	34.9
42.5°	14.9	9.9	5.0	0.0	5.0	9.9	14.9	20.0	25.7	31.2	36.4
40°	16.0	10.6	5.2	0.0	5.2	10.6	16.0	21.2	26.9	32.6	38.2
37.5°	17.1	11.3	5.7	1.0	5.7	11.3	17.1	22.9	28.8	34.5	40.3
35°	18.1	12.0	6.0	1.0	6.0	12.0	18.1	24.6	30.9	36.5	43.1
32.5°	22.3	15.0	7.2	1.0	7.2	15.0	22.3	29.3	35.6	41.8	48.1
30°	26.0	17.4	8.5	0.0	8.5	17.4	26.0	35.0	43.8	50.1	55.7
27.5°	26.5	17.3	8.4	1.0	8.4	17.3	26.5	36.3	47.2	55.3	62.9
25°	26.3	17.8	9.8	2.9	9.8	17.8	26.3	35.1	44.6	56.1	67.1
22.5°	26.9	17.8	9.6	5.7	9.6	17.8	26.9	36.4	45.8	55.5	66.4
20°	29.3	20.2	13.5	7.7	13.5	20.2	29.3	38.3	48.2	58.2	67.9
17.5°	41.7	31.5	24.4	20.1	24.4	31.5	41.7	46.1	59.1	70.2	81.1
15°	77.3	65.9	56.5	51.7	56.5	65.9	77.3	88.6	101.5	112.1	127.7
12.5°	139.9	120.8	104.4	85.7	104.4	120.8	139.9	174.4	190.0	227.3	330.5
10°	3865.4	3212.0	2720.3	1688.7	2720.3	3212.0	3865.4	1547.2	5439.1	3946.8	3278.1
7.5°	38953.3	43599.3	46241.6	49165.7	46241.6	43599.3	38953.3	36238.1	33427.9	26711.5	19814.1
5°	90716.0	103512.2	103308.5	108175.3	103308.5	103512.2	90716.0	83781.9	71742.6	58355.2	49549.0
2.5°	120828.9	130830.1	131225.9	132296.0	131225.9	130830.1	120828.9	111293.8	101932.5	88806.7	73515.9
0°	178244.7	189055.1	190772.4	191205.2	190772.4	189055.1	178244.7	165332.1	150455.1	130630.8	110534.1
-2.5°	203013.0	215421.8	218841.5	219818.5	218841.5	215421.8	203013.0	187103.9	169578.2	147327.9	122258.8
-5°	204436.1	214452.4	217662.3	219161.3	217662.3	214452.4	204436.1	189987.7	173749.1	151993.2	124989.3
-7.5°	214624.1	223020.6	226105.5	227047.1	226105.5	223020.6	214624.1	199220.3	180772.9	156146.2	132102.1
-10°	227709.8	236757.2	241190.6	241176.4	241190.6	236757.2	227709.8	212362.3	188765.8	163048.2	138953.0
-12.5°	235949.8	248985.1	254683.4	256947.5	254683.4	248985.1	235949.8	217569.7	195890.5	169263.7	144023.2
-15°	238434.5	252377.2	259649.5	262533.9	259649.5	252377.2	238434.5	221180.5	199053.6	173829.5	148829.0
-17.5°	237906.3	252031.4	258344.9	260233.5	258344.9	252031.4	237906.3	221611.0	201678.9	176244.0	149535.1
-20°	233996.1	247680.6	254796.0	256619.6	254796.0	247680.6	233996.1	218317.1	198591.4	174197.0	147013.9



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	226812.6	239024.8	245938.7	248405.0	245938.7	239024.8	226812.6	211467.0	191174.6	170082.3	142863.7
-25°	215344.1	226702.8	234036.7	237561.6	234036.7	226702.8	215344.1	199200.0	180327.1	158542.7	134839.2
-27.5°	198718.2	209122.4	217051.7	218175.3	217051.7	209122.4	198718.2	182104.1	164021.8	143925.5	123347.3
-30°	176668.0	185129.0	191546.8	193512.3	191546.8	185129.0	176668.0	161576.0	145936.8	128204.5	109595.6
-32.5°	151919.1	159333.3	165043.2	167271.6	165043.2	159333.3	151919.1	140485.0	126911.1	112337.7	96898.1
-35°	130903.6	137404.0	142412.9	143209.8	142412.9	137404.0	130903.6	121912.9	110487.4	98461.0	84729.2
-37.5°	111919.5	117050.8	120769.2	121917.4	120769.2	117050.8	111919.5	104855.5	94613.4	83872.8	72632.1
-40°	93273.6	97533.8	100416.4	100719.8	100416.4	97533.8	93273.6	88151.9	79400.8	70282.6	60544.4
-42.5°	74813.7	77801.5	79730.2	80418.3	79730.2	77801.5	74813.7	70953.1	63521.3	55499.2	47771.6
-45°	56849.5	59150.2	60949.4	62355.9	60949.4	59150.2	56849.5	53898.3	48783.3	42713.8	36632.2
-47.5°	43206.2	44992.6	45958.5	46040.6	45958.5	44992.6	43206.2	41044.7	37735.3	33571.7	29373.9
-50°	33759.4	35149.2	35911.7	36095.1	35911.7	35149.2	33759.4	32093.5	29773.9	26597.9	23299.9
-52.5°	26845.6	28061.5	28764.1	29019.7	28764.1	28061.5	26845.6	25501.0	23880.0	21476.8	19010.1
-55°	21529.2	22423.0	23105.3	23605.2	23105.3	22423.0	21529.2	20500.3	19309.5	17387.5	15522.6
-57.5°	16812.3	17524.1	17902.9	18064.3	17902.9	17524.1	16812.3	16015.7	15145.2	13804.3	12371.8
-60°	13122.7	13641.2	13938.6	14104.9	13938.6	13641.2	13122.7	12540.5	11900.9	10894.0	9772.9
-62.5°	10196.1	10596.2	10793.0	10887.4	10793.0	10596.2	10196.1	9745.9	9249.3	8512.8	7668.1
-65°	7754.8	8061.8	8240.4	8361.1	8240.4	8061.8	7754.8	7413.0	7038.4	6530.6	5920.3
-67.5°	5894.8	6145.5	6194.4	6183.2	6194.4	6145.5	5894.8	5619.3	5320.7	4943.5	4482.7
-70°	4390.6	4589.4	4626.2	4623.8	4626.2	4589.4	4390.6	4178.3	3954.5	3690.4	3362.5
-72.5°	3265.9	3408.7	3456.6	3481.7	3456.6	3408.7	3265.9	3112.2	2949.1	2759.1	2514.7
-75°	2292.0	2386.6	2436.3	2475.6	2436.3	2386.6	2292.0	2191.1	2084.7	1965.8	1812.3
-77.5°	1647.7	1715.1	1734.9	1748.0	1734.9	1715.1	1647.7	1576.8	1502.8	1422.4	1315.8
-80°	1198.2	1245.2	1251.9	1255.0	1251.9	1245.2	1198.2	1149.4	1098.8	1045.4	976.4
-82.5°	901.7	937.1	941.9	944.9	941.9	937.1	901.7	865.5	828.6	790.8	745.3
-85°	703.1	728.2	733.9	739.0	733.9	728.2	703.1	677.5	651.7	625.5	594.8
-87.5°	560.9	578.8	581.5	584.0	581.5	578.8	560.9	542.8	524.5	506.2	486.8
-90°	11.1	7.7	4.8	1.9	4.8	7.7	11.1	14.4	17.8	21.1	24.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	397.8	386.0	374.3	365.7	357.1	348.4	339.8	334.8	329.8	324.7	319.7
87.5°	28.8	32.6	36.4	40.5	44.6	48.7	52.7	57.0	61.3	65.6	69.9
85°	28.9	32.7	36.5	40.6	44.7	48.8	52.9	57.2	61.5	65.8	70.1
82.5°	29.0	32.8	36.7	40.8	44.9	49.0	53.1	57.4	61.7	66.0	70.3
80°	29.2	33.1	37.0	41.1	45.2	49.3	53.4	57.7	62.0	66.4	70.6
77.5°	29.4	33.3	37.3	41.4	45.5	49.6	53.8	58.1	62.5	66.8	71.0
75°	29.7	33.7	37.7	41.8	46.0	50.1	54.2	58.4	62.6	67.0	71.2
72.5°	30.1	34.1	38.1	42.3	46.5	50.7	54.8	58.9	63.0	67.0	71.2
70°	30.5	34.5	38.7	42.9	47.1	51.3	55.4	59.6	63.7	67.7	71.8
67.5°	31.0	35.1	39.3	43.6	47.8	52.0	56.2	60.3	64.4	68.5	72.6
65°	31.5	35.7	40.0	44.3	48.6	52.9	57.1	61.2	65.3	69.4	73.5
62.5°	32.0	36.4	40.6	44.9	49.2	53.7	58.3	62.5	66.6	70.4	74.5
60°	32.8	37.3	41.4	45.6	49.7	54.0	58.8	63.6	68.3	72.1	75.8
57.5°	33.7	38.2	42.4	46.6	50.8	55.3	59.8	64.2	68.9	73.3	77.3
55°	34.8	39.3	43.8	47.9	52.0	56.6	61.2	65.7	70.0	74.1	78.3
52.5°	35.8	40.6	45.3	49.9	54.1	58.4	62.8	67.3	71.5	75.6	79.6
50°	37.1	41.9	46.7	51.4	56.1	60.5	64.7	69.0	73.1	77.2	81.2
47.5°	38.5	43.5	48.3	53.1	58.0	62.7	66.9	70.8	74.9	79.0	82.9
45°	40.0	45.1	50.1	55.0	59.9	64.8	69.4	73.2	76.9	80.9	84.8
42.5°	41.8	47.0	52.1	57.0	61.7	66.7	71.5	75.5	79.2	82.9	86.6
40°	43.6	49.1	54.4	59.6	64.4	68.6	73.4	77.6	81.4	85.1	88.5
37.5°	45.7	50.7	56.9	62.7	67.6	71.9	76.0	80.1	83.7	87.4	90.7
35°	49.2	54.7	60.4	66.1	71.2	75.8	79.5	83.3	86.8	90.0	93.2
32.5°	53.0	59.5	66.0	71.0	76.6	80.7	83.9	86.9	90.4	93.3	96.0
30°	61.0	65.2	70.6	76.8	82.3	88.2	89.5	91.6	94.3	97.0	99.1
27.5°	68.4	72.9	76.7	80.9	86.3	93.7	97.2	96.9	98.7	101.0	102.9
25°	74.4	80.3	84.0	87.0	90.7	96.0	102.2	102.8	103.9	105.4	107.1
22.5°	78.2	86.5	91.6	94.3	97.0	100.8	105.6	107.8	109.5	110.9	111.8
20°	81.0	93.8	99.4	107.2	106.9	105.9	110.8	116.4	118.8	117.6	116.9
17.5°	97.7	104.0	124.6	134.7	125.5	116.2	130.6	137.0	131.9	125.0	122.6
15°	132.3	152.3	169.7	173.9	174.7	171.8	167.9	164.4	149.6	135.5	141.2
12.5°	323.5	227.2	269.5	441.7	323.7	257.0	222.0	198.7	204.5	215.4	211.8
10°	1094.8	4091.0	3648.9	1734.5	656.0	369.1	600.3	542.0	417.6	340.8	294.6
7.5°	18224.5	15920.3	9986.7	5139.1	3636.2	2805.9	1858.3	1108.1	670.6	479.5	386.1
5°	38515.2	29992.7	21001.5	13968.4	9368.7	5983.6	3366.2	1764.1	947.8	625.9	487.9
2.5°	55424.4	43073.4	32112.6	23618.2	16556.3	10885.2	6447.2	4262.0	3078.3	2156.3	1326.7
0°	87619.1	71425.4	54241.8	41904.1	28723.9	19544.3	11650.4	8309.4	6104.7	3992.9	2183.6
-2.5°	98115.5	78513.3	63187.5	48097.0	33940.2	23543.5	15894.9	11217.7	7515.8	4874.7	2758.3
-5°	100912.7	83443.6	68391.0	53519.5	39161.8	27453.2	19345.1	13505.3	8885.9	5702.6	3256.7
-7.5°	108763.6	89307.1	72778.3	57784.6	43190.5	30726.1	21861.6	15126.0	10321.8	6715.3	3818.8
-10°	115633.5	95519.8	77642.3	61209.0	45620.6	33041.5	23459.3	16366.6	11440.4	7413.5	4204.9
-12.5°	121398.9	100040.2	80042.9	62836.9	46423.7	34605.7	24705.4	17392.3	12189.1	7727.0	4372.6
-15°	124766.5	102463.8	82630.9	63357.8	46854.3	35357.9	25706.8	18314.0	12627.3	7641.6	4286.3
-17.5°	124829.5	102703.5	83512.9	63331.1	47952.2	35677.5	26266.4	18610.3	12460.8	7412.1	4182.7
-20°	121171.2	100331.5	80674.3	62854.9	48105.4	35892.8	26033.5	17970.7	11721.5	7132.1	4466.0



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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°	115864.1	94537.4	76361.8	60589.4	46691.5	35294.2	25627.6	17210.5	10389.5	6531.8	4581.3
-25°	110189.5	88255.9	71467.7	57206.5	44377.6	33616.8	24409.8	16120.6	9998.6	6143.6	4544.3
-27.5°	101834.2	82116.7	66201.6	53149.2	41586.4	31419.1	22210.1	14319.4	9299.0	6295.2	4481.7
-30°	91678.1	75409.1	60999.5	48636.4	37960.5	28089.9	18874.8	13049.6	8843.3	6135.0	4441.9
-32.5°	81462.8	67443.9	54674.3	43379.1	33035.5	23429.0	16615.2	11566.0	8092.0	5888.1	4475.2
-35°	71135.7	58765.5	47751.4	36987.3	26707.1	19689.6	14134.1	10304.2	7395.9	5502.4	4453.8
-37.5°	61158.7	49911.6	39325.7	29734.9	22200.6	16265.1	12414.3	9235.5	6664.4	5330.0	4358.5
-40°	50092.7	39731.9	31551.1	24252.0	18723.9	14098.8	10882.0	8153.7	6421.1	5073.7	4189.2
-42.5°	39634.7	31918.3	25639.6	20663.2	16170.8	12409.8	9428.3	7524.6	6020.8	4860.6	3939.9
-45°	31392.6	26249.1	21508.8	17433.6	13700.8	10817.5	8392.8	6835.0	5592.1	4540.1	3633.7
-47.5°	25399.1	21401.0	17597.9	14495.1	11817.4	9467.6	7623.0	6161.7	5080.9	4130.1	3384.0
-50°	20215.0	17406.3	14703.5	12219.8	10171.2	8340.6	6786.0	5450.0	4519.7	3746.7	3076.9
-52.5°	16553.6	14439.7	12381.1	10387.1	8650.0	7179.4	5867.2	4820.3	3985.4	3333.2	2749.1
-55°	13755.5	11984.8	10242.9	8618.8	7182.9	6076.6	5063.3	4188.9	3483.9	2909.2	2416.5
-57.5°	10900.8	9494.3	8251.1	7071.5	5968.9	5071.5	4289.1	3582.7	2997.1	2519.0	2076.0
-60°	8643.5	7532.6	6628.4	5748.1	4895.8	4141.7	3569.0	3033.0	2537.8	2131.3	1763.8
-62.5°	6839.8	6039.9	5298.1	4614.0	3972.5	3398.0	2925.7	2503.2	2106.8	1752.9	1481.1
-65°	5303.8	4686.7	4113.0	3622.1	3155.2	2716.2	2338.3	2012.4	1725.4	1459.4	1225.5
-67.5°	4018.8	3556.3	3137.7	2769.7	2450.5	2141.7	1868.6	1613.2	1391.6	1188.7	1012.4
-70°	3032.6	2703.5	2406.5	2139.1	1895.6	1669.9	1467.3	1279.5	1099.6	945.9	823.3
-72.5°	2273.7	2039.0	1825.1	1633.1	1444.9	1277.1	1129.8	997.6	871.9	753.8	661.8
-75°	1657.1	1501.2	1351.5	1217.2	1086.2	959.6	857.5	774.4	695.7	621.7	557.9
-77.5°	1209.6	1104.7	1005.0	919.1	834.4	751.5	674.7	616.5	568.9	523.2	482.5
-80°	907.5	839.0	772.7	716.8	662.8	611.1	563.5	525.0	487.7	454.2	426.6
-82.5°	699.8	654.7	610.8	577.3	544.3	511.9	481.0	456.2	432.4	409.9	389.5
-85°	564.2	533.8	504.0	482.3	461.0	440.0	419.6	404.7	390.3	376.5	363.4
-87.5°	467.3	448.0	428.8	415.2	401.7	388.3	375.0	366.2	357.5	349.0	340.6
-90°	28.8	32.6	36.4	40.5	44.6	48.6	52.7	57.0	61.3	65.6	69.9



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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°	315.7	311.6	307.6	303.5	293.5	283.4	273.4	263.3	247.7	232.1	216.6
87.5°	73.8	77.6	81.4	85.2	88.6	91.9	95.3	98.6	101.5	104.4	107.2
85°	73.9	77.7	81.5	85.3	88.7	92.0	95.4	98.7	101.6	104.4	107.3
82.5°	74.1	77.9	81.7	85.5	88.8	92.2	95.5	98.8	101.7	104.5	107.4
80°	74.4	78.2	82.0	85.8	89.1	92.4	95.7	99.0	101.8	104.7	107.5
77.5°	74.8	78.6	82.4	86.1	89.4	92.7	96.0	99.2	102.0	104.9	107.7
75°	75.2	79.0	82.8	86.4	89.7	93.0	96.3	99.5	102.3	105.1	107.9
72.5°	75.4	79.4	83.3	86.9	90.2	93.5	96.7	99.8	102.6	105.3	108.1
70°	75.9	79.9	83.9	87.4	90.7	93.9	97.2	100.1	102.9	105.6	108.4
67.5°	76.6	80.7	84.7	88.0	91.3	94.5	97.7	100.5	103.3	106.0	108.7
65°	77.5	81.5	85.4	88.7	91.9	95.1	98.3	101.0	103.7	106.4	109.0
62.5°	78.5	82.5	86.2	89.4	92.6	95.8	98.8	101.5	104.1	106.8	109.4
60°	79.6	83.6	87.1	90.2	93.4	96.5	99.5	102.1	104.7	107.2	109.8
57.5°	80.9	84.7	88.0	91.1	94.2	97.3	100.2	102.7	105.2	107.7	110.2
55°	82.3	85.9	89.1	92.1	95.2	98.2	101.0	103.5	105.8	108.3	110.5
52.5°	83.6	87.1	90.4	93.3	96.2	99.1	101.9	104.4	106.7	108.8	110.9
50°	85.1	88.5	91.8	94.7	97.3	100.1	102.9	105.4	107.6	109.5	111.4
47.5°	86.6	89.9	93.1	96.3	98.9	101.0	103.9	106.5	108.5	110.4	111.9
45°	88.2	91.4	94.6	97.7	100.4	102.3	104.7	107.6	109.6	111.2	112.4
42.5°	89.9	93.1	96.1	99.1	101.6	103.6	105.6	108.5	110.7	112.0	113.1
40°	91.7	94.8	97.8	100.6	102.9	104.9	106.8	109.3	111.9	112.8	113.8
37.5°	93.6	96.6	99.5	102.1	104.4	106.2	108.0	110.1	112.8	113.8	114.5
35°	96.0	98.6	101.3	103.8	105.9	107.7	109.1	111.0	113.6	114.7	115.3
32.5°	98.6	100.8	103.2	105.5	107.6	109.2	110.4	112.3	114.4	115.7	116.1
30°	101.4	103.4	105.2	107.2	109.4	110.9	112.1	113.8	115.4	116.8	116.9
27.5°	104.7	106.2	107.6	109.2	111.1	112.7	114.4	115.5	116.6	117.8	117.7
25°	108.3	109.4	110.3	111.4	112.9	115.7	116.8	117.3	118.0	118.7	118.7
22.5°	112.4	112.9	113.2	113.7	117.0	119.1	119.4	119.4	119.5	119.8	119.6
20°	116.6	116.6	117.6	120.2	121.9	122.8	122.4	121.7	121.2	120.9	120.5
17.5°	121.1	127.8	130.4	128.6	127.5	126.9	125.5	124.0	122.9	122.1	121.4
15°	152.3	151.7	146.1	138.5	133.5	131.3	128.7	126.4	124.6	123.4	123.4
12.5°	197.7	180.1	164.0	149.6	139.8	136.0	132.1	128.8	126.5	126.5	126.7
10°	250.1	211.8	183.5	161.6	146.4	140.9	135.5	134.0	132.2	131.2	130.0
7.5°	307.1	245.7	204.1	174.1	161.4	159.6	153.3	145.1	138.6	135.9	133.4
5°	425.5	363.3	313.4	265.9	223.3	194.1	174.2	156.7	145.1	140.7	136.8
2.5°	800.2	613.2	481.2	372.4	287.4	229.2	195.4	168.4	151.6	145.5	140.2
0°	1176.5	863.5	649.1	478.7	351.3	264.2	216.4	180.0	158.0	150.3	143.6
-2.5°	1515.2	1137.3	880.0	689.3	518.4	381.9	287.5	223.3	183.2	165.7	154.1
-5°	1834.6	1399.5	1104.3	892.8	679.4	495.0	355.9	265.2	207.8	180.8	164.4
-7.5°	2174.9	1663.4	1326.5	1085.4	830.6	600.4	420.0	304.5	231.3	195.5	174.5
-10°	2485.9	1917.6	1545.7	1262.3	971.7	702.2	481.6	340.4	253.3	209.4	184.1
-12.5°	2747.0	2146.6	1748.3	1424.4	1099.2	800.2	558.5	387.7	275.5	222.5	193.3
-15°	2950.3	2346.9	1931.9	1569.7	1210.2	886.2	626.1	436.8	310.9	239.4	201.8
-17.5°	3112.5	2515.2	2094.0	1696.1	1302.7	959.0	682.9	478.9	341.8	260.7	213.4
-20°	3344.7	2669.7	2231.3	1802.1	1374.9	1017.2	727.7	513.2	367.6	279.6	226.7



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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°	3480.2	2807.3	2333.8	1876.7	1429.7	1059.7	759.3	538.8	387.6	295.8	238.6
-25°	3497.2	2906.7	2410.0	1922.7	1470.2	1092.8	782.8	555.1	401.4	308.9	249.0
-27.5°	3531.1	2967.7	2459.5	1942.1	1492.5	1107.6	799.3	570.9	411.8	318.9	257.7
-30°	3561.1	2997.1	2463.6	1938.8	1493.1	1109.6	802.8	577.9	423.0	327.8	264.7
-32.5°	3622.7	2995.0	2430.9	1921.3	1479.5	1096.8	798.5	575.4	429.5	335.6	271.0
-35°	3640.8	2957.6	2367.9	1877.3	1449.0	1085.8	790.6	563.1	431.2	340.8	276.3
-37.5°	3574.8	2877.5	2293.4	1814.8	1398.5	1059.2	778.8	561.7	427.8	343.3	280.3
-40°	3420.6	2757.7	2203.2	1738.1	1346.8	1017.1	754.4	558.9	425.9	343.1	283.0
-42.5°	3208.7	2615.8	2092.9	1639.9	1283.1	975.8	720.4	546.9	425.2	343.4	284.4
-45°	3003.1	2442.8	1954.0	1546.2	1204.8	920.1	695.8	528.1	420.0	343.4	285.3
-47.5°	2761.0	2247.1	1800.6	1424.9	1123.2	857.2	659.9	515.2	409.9	341.6	286.1
-50°	2499.2	2030.4	1628.9	1299.0	1020.0	801.4	619.4	496.2	404.1	337.5	285.7
-52.5°	2233.7	1798.6	1453.4	1161.0	928.7	733.0	588.4	472.7	394.9	333.1	284.1
-55°	1954.5	1572.6	1274.4	1033.7	831.8	678.3	550.3	456.5	382.6	327.5	281.6
-57.5°	1697.1	1352.1	1113.8	909.0	749.7	621.9	518.1	436.5	371.3	320.0	279.2
-60°	1438.8	1176.2	957.4	805.7	676.0	570.0	488.3	415.3	358.8	311.6	275.0
-62.5°	1227.3	1002.9	840.4	712.2	607.8	524.3	456.4	396.4	344.2	304.8	269.8
-65°	1035.6	868.0	726.4	629.2	544.6	477.8	428.4	375.0	333.2	297.2	264.4
-67.5°	856.3	737.3	629.7	546.1	489.0	440.9	397.2	359.0	322.6	288.7	259.6
-70°	714.9	615.8	542.0	489.0	443.6	404.3	376.5	344.9	311.0	282.1	254.4
-72.5°	596.0	535.2	479.9	435.6	408.4	382.4	357.4	330.7	302.4	275.1	248.7
-75°	505.6	467.5	434.5	406.5	382.6	360.0	341.2	319.9	293.3	267.5	244.2
-77.5°	452.0	424.1	398.8	379.6	362.0	344.6	327.3	308.4	284.3	261.7	239.9
-80°	408.6	391.6	375.7	360.6	344.7	328.9	314.3	298.6	276.8	255.7	235.2
-82.5°	376.4	365.1	354.4	343.7	330.2	316.6	303.0	288.9	268.9	249.3	230.6
-85°	354.5	345.9	337.4	329.0	316.5	304.0	292.0	279.7	261.7	243.8	226.1
-87.5°	334.4	328.2	322.1	316.0	304.9	293.8	282.8	271.7	254.8	238.1	221.5
-90°	73.7	77.6	81.4	85.2	88.6	91.9	95.3	98.6	101.5	104.4	107.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	201.0	184.5	168.0	151.5	135.0	127.8	120.6
87.5°	110.1	112.2	114.3	116.5	118.6	119.6	120.6
85°	110.1	112.2	114.3	116.4	118.5	119.6	120.6
82.5°	110.2	112.2	114.2	116.3	118.5	119.6	120.6
80°	110.3	112.2	114.2	116.3	118.4	119.6	120.6
77.5°	110.4	112.2	114.1	116.2	118.3	119.6	120.6
75°	110.5	112.4	114.2	116.2	118.3	119.6	120.6
72.5°	110.7	112.6	114.4	116.1	118.2	119.6	120.6
70°	110.8	112.8	114.6	116.2	118.2	119.5	120.6
67.5°	111.0	113.0	114.8	116.3	118.1	119.5	120.6
65°	111.3	113.2	115.0	116.5	118.1	119.5	120.6
62.5°	111.5	113.4	115.3	116.8	118.1	119.6	120.6
60°	111.8	113.7	115.5	117.0	118.1	119.6	120.6
57.5°	112.0	113.9	115.7	117.2	118.2	119.6	120.6
55°	112.4	114.1	115.9	117.5	118.4	119.6	120.6
52.5°	112.7	114.4	116.2	117.7	118.5	119.6	120.6
50°	113.0	114.7	116.4	118.0	118.7	119.6	120.6
47.5°	113.4	115.0	116.6	118.2	118.8	119.7	120.6
45°	113.9	115.3	116.9	118.4	119.0	119.7	120.6
42.5°	114.4	115.7	117.2	118.6	119.1	119.7	120.6
40°	114.9	116.0	117.4	118.8	119.3	119.7	120.6
37.5°	115.5	116.4	117.7	119.0	119.4	119.8	120.6
35°	116.0	116.8	118.0	119.3	119.6	119.8	120.6
32.5°	116.7	117.3	118.3	119.5	119.7	119.9	120.6
30°	117.3	117.8	118.7	119.8	119.9	119.9	120.6
27.5°	118.0	118.4	119.2	120.1	120.0	120.0	120.6
25°	118.7	118.9	119.9	120.5	120.2	120.0	120.6
22.5°	119.4	119.7	120.6	120.8	120.3	120.1	120.6
20°	120.0	121.0	121.4	121.2	120.5	120.1	120.6
17.5°	121.6	122.4	122.2	121.6	120.6	120.2	120.6
15°	123.8	123.9	123.0	122.0	120.8	120.2	120.6
12.5°	126.1	125.4	123.9	122.4	120.9	120.3	120.6
10°	128.4	127.0	124.8	122.8	121.1	120.3	120.6
7.5°	130.8	128.5	125.7	123.2	121.2	120.4	120.6
5°	133.2	130.1	126.6	123.6	121.3	120.5	120.6
2.5°	135.6	131.6	127.4	124.0	121.5	120.5	120.6
0°	137.9	133.1	128.3	124.4	121.6	120.6	120.6
-2.5°	145.2	137.3	131.0	126.2	122.6	121.0	120.6
-5°	152.3	141.5	133.6	127.9	123.6	121.4	120.6
-7.5°	159.1	145.5	136.2	129.6	124.6	121.9	120.6
-10°	165.7	149.4	138.7	131.3	125.6	122.3	120.6
-12.5°	171.8	153.1	141.1	132.9	126.5	122.7	120.6
-15°	177.5	156.6	143.5	134.5	127.4	123.1	120.6
-17.5°	182.5	159.8	145.7	136.0	128.3	123.5	120.6
-20°	188.6	162.8	147.8	137.4	129.2	123.8	120.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	196.9	165.5	149.8	138.8	130.0	124.2	120.6
-25°	204.4	170.5	151.7	140.0	130.9	124.6	120.6
-27.5°	211.1	176.1	153.4	141.2	131.6	124.9	120.6
-30°	216.9	181.2	155.2	142.3	132.3	125.2	120.6
-32.5°	221.9	185.7	158.9	143.4	133.0	125.6	120.6
-35°	226.8	189.7	162.2	144.3	133.7	125.9	120.6
-37.5°	231.2	193.3	165.1	145.1	134.3	126.1	120.6
-40°	234.8	196.7	167.7	145.8	134.8	126.4	120.6
-42.5°	237.4	199.6	169.9	146.8	135.3	126.7	120.6
-45°	239.2	201.9	172.0	148.3	135.7	126.9	120.6
-47.5°	240.1	203.6	173.7	149.6	136.1	127.1	120.6
-50°	241.0	204.7	175.1	150.9	136.4	127.3	120.6
-52.5°	241.2	205.2	176.1	152.1	136.7	127.5	120.6
-55°	240.6	205.6	176.8	153.1	136.9	127.6	120.6
-57.5°	239.2	205.7	177.2	154.0	137.1	127.8	120.6
-60°	237.2	205.3	177.3	154.6	137.2	127.9	120.6
-62.5°	235.4	204.4	177.7	155.1	137.3	128.0	120.6
-65°	233.1	203.0	177.8	155.5	137.3	128.0	120.6
-67.5°	230.1	201.8	177.7	155.7	137.3	128.1	120.6
-70°	226.6	200.9	177.3	155.7	137.2	128.1	120.6
-72.5°	224.2	199.6	176.7	155.6	137.1	128.2	120.6
-75°	221.6	198.0	175.9	155.4	136.9	128.2	120.6
-77.5°	218.6	196.1	175.0	155.0	136.7	128.1	120.6
-80°	215.2	194.1	173.9	154.6	136.4	128.1	120.6
-82.5°	212.0	192.0	172.6	154.0	136.1	128.0	120.6
-85°	208.6	189.7	171.2	153.2	135.8	128.0	120.6
-87.5°	204.9	187.2	169.7	152.4	135.4	127.9	120.6
-90°	110.1	112.2	114.4	116.5	118.7	119.6	120.6

(END OF REPORT)