

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

(formerly Eaton)

Brand: EPHESUS

Report Number: P1305572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-57-80-1S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

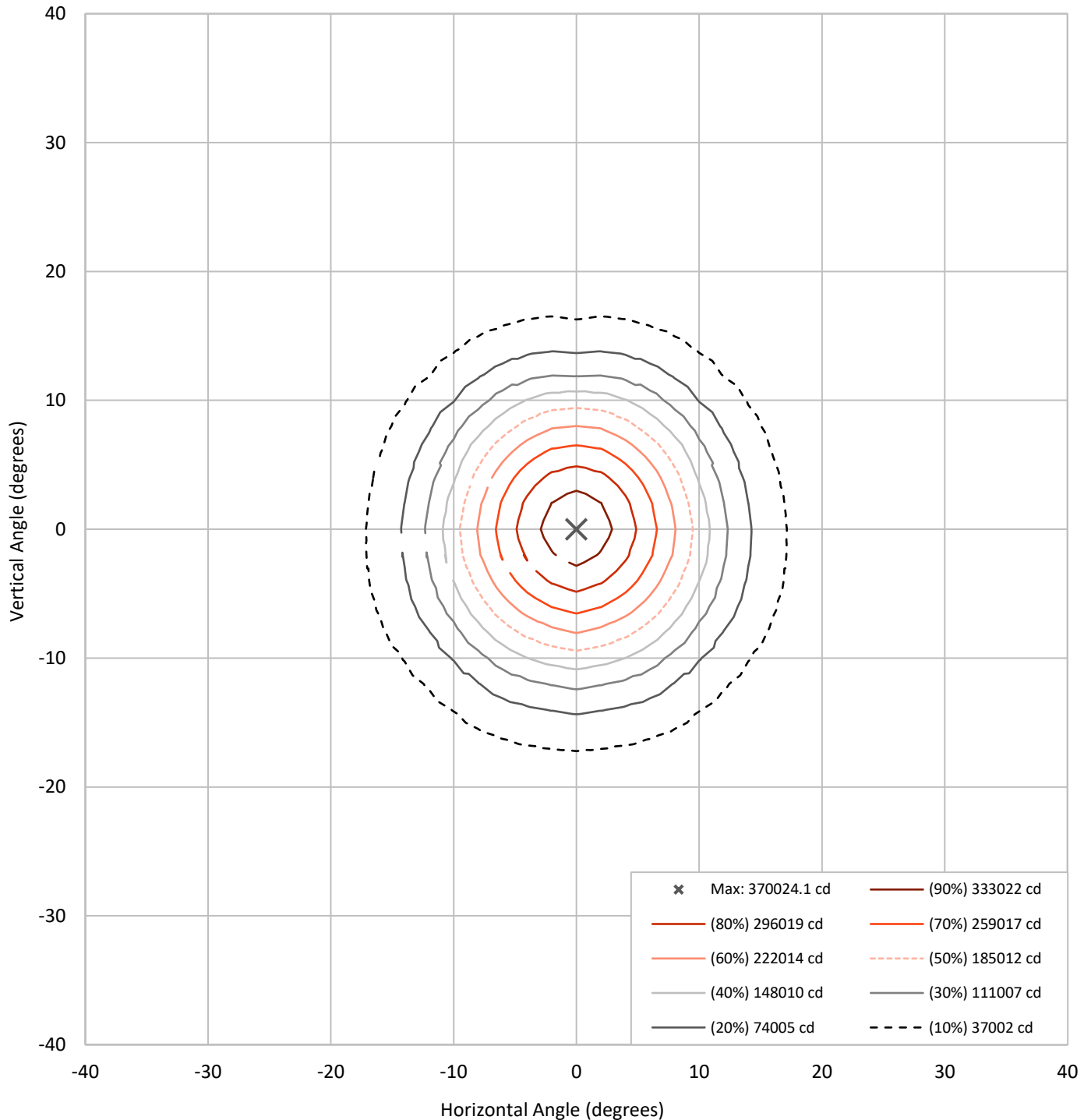
Test Method: LM-79-08  
Report Number: P1305572 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-320L-57-80-1S-VHE-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	48772.7 lumens	Max Intensity:	370024.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	21620.1 lumens	Field Lumens:	39377.7 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%
Input Watts (W):	336.3		
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





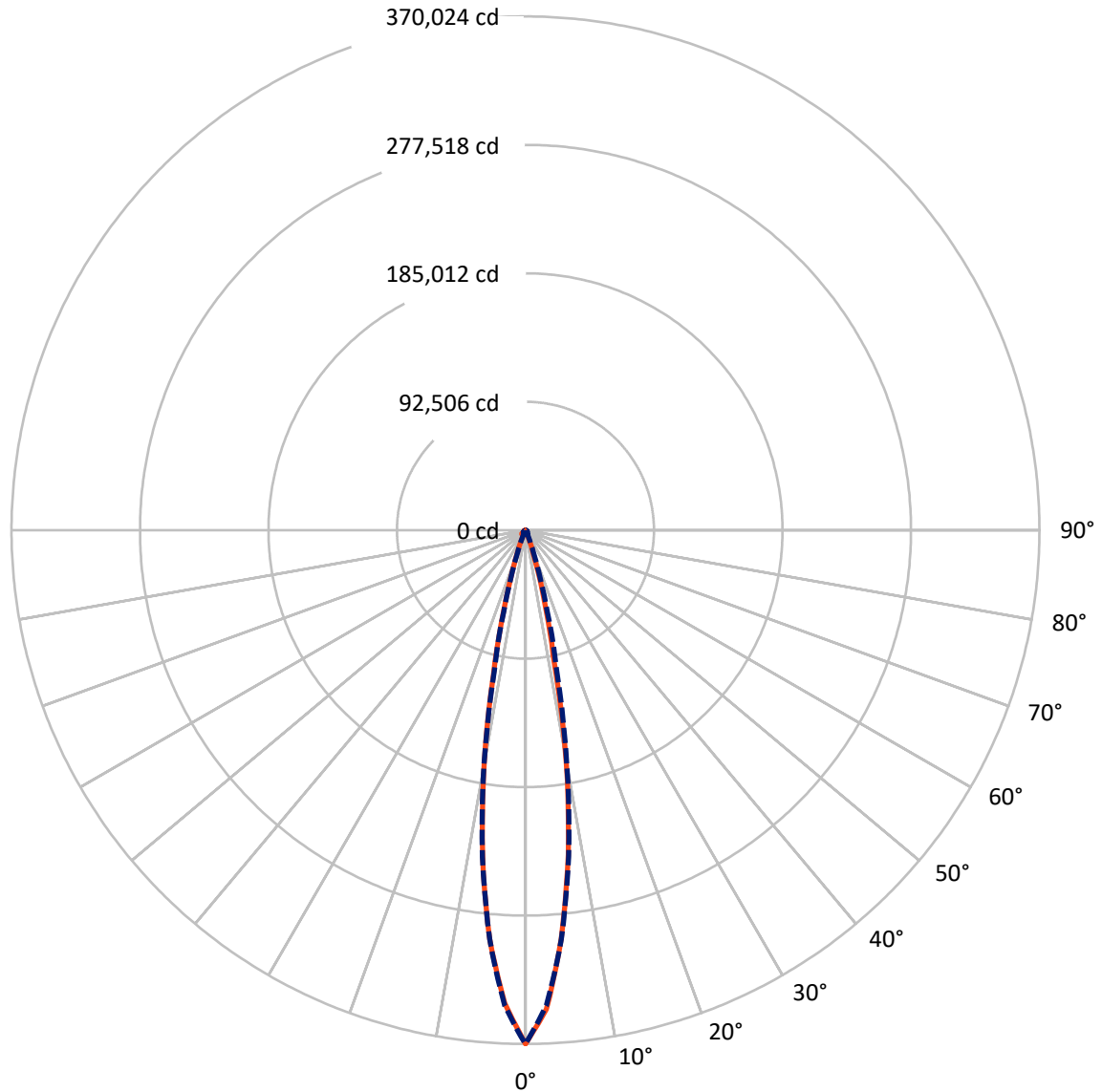
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### Lumen Table

90	0.2	0.7	1.2	1.7	1.9	1.7	1.2	0.7	0.2										
80	0.2	0.7	1.2	1.7	1.9	1.7	1.2	0.7	0.2										
70	0.2	0.1	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.1	0.2			
60		0.3	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.5	0.6	0.6	0.6	0.3				
50	0.7	0.8	1.8	3.5	5.5	9.5	14.4	16.0	16.0	14.4	9.5	5.5	3.5	1.8	0.8	0.7			
40		1.9	5.2	9.5	20.0	32.6	36.5	38.3	38.3	36.5	32.6	20.0	9.5	5.2	1.9				
30	1.6	3.1	8.6	17.6	42.0	44.5	54.0	89.4	89.4	54.0	44.5	42.0	17.6	8.6	3.1	1.6			
20		4.3	11.0	31.4	55.6	65.6	408.7	1628.7	1628.7	408.7	65.6	55.6	31.4	11.0	4.3				
10	2.4	5.2	13.0	41.6	62.0	122.4	1651.4	6870.4	6870.4	1651.4	122.4	62.0	41.6	13.0	5.2	2.4			
0		5.8	14.5	44.4	69.0	136.9	1736.1	6837.3	6837.3	1736.1	136.9	69.0	44.4	14.5	5.8				
-10	2.7	6.1	15.5	43.8	76.4	94.2	482.0	1764.7	1764.7	482.0	94.2	76.4	43.8	15.5	6.1	2.7			
-20		5.9	15.7	33.9	77.8	95.3	104.0	161.5	161.5	104.0	95.3	77.8	33.9	15.7	5.9				
-30	2.6	5.3	14.7	27.0	57.0	95.8	107.6	108.9	108.9	107.6	95.8	57.0	27.0	14.7	5.3	2.6			
-40		4.4	12.0	23.7	35.3	53.4	79.1	98.6	98.6	79.1	53.4	35.3	23.7	12.0	4.4				
-50	2.2	3.4	8.7	17.2	27.5	35.8	41.7	45.6	45.6	41.7	35.8	27.5	17.2	8.7	3.4	2.2			
-60		2.7	5.7	10.5	16.6	22.3	27.2	30.5	30.5	27.2	22.3	16.6	10.5	5.7	2.7				
-70	1.5	10.3	24.6	38.6	46.1	38.6	24.6	10.3	1.5							1.5			
-80		10.3	24.6	38.6	46.1	38.6	24.6	10.3	1.5										
-90	1.5	10.3	24.6	38.6	46.1	38.6	24.6	10.3	1.5										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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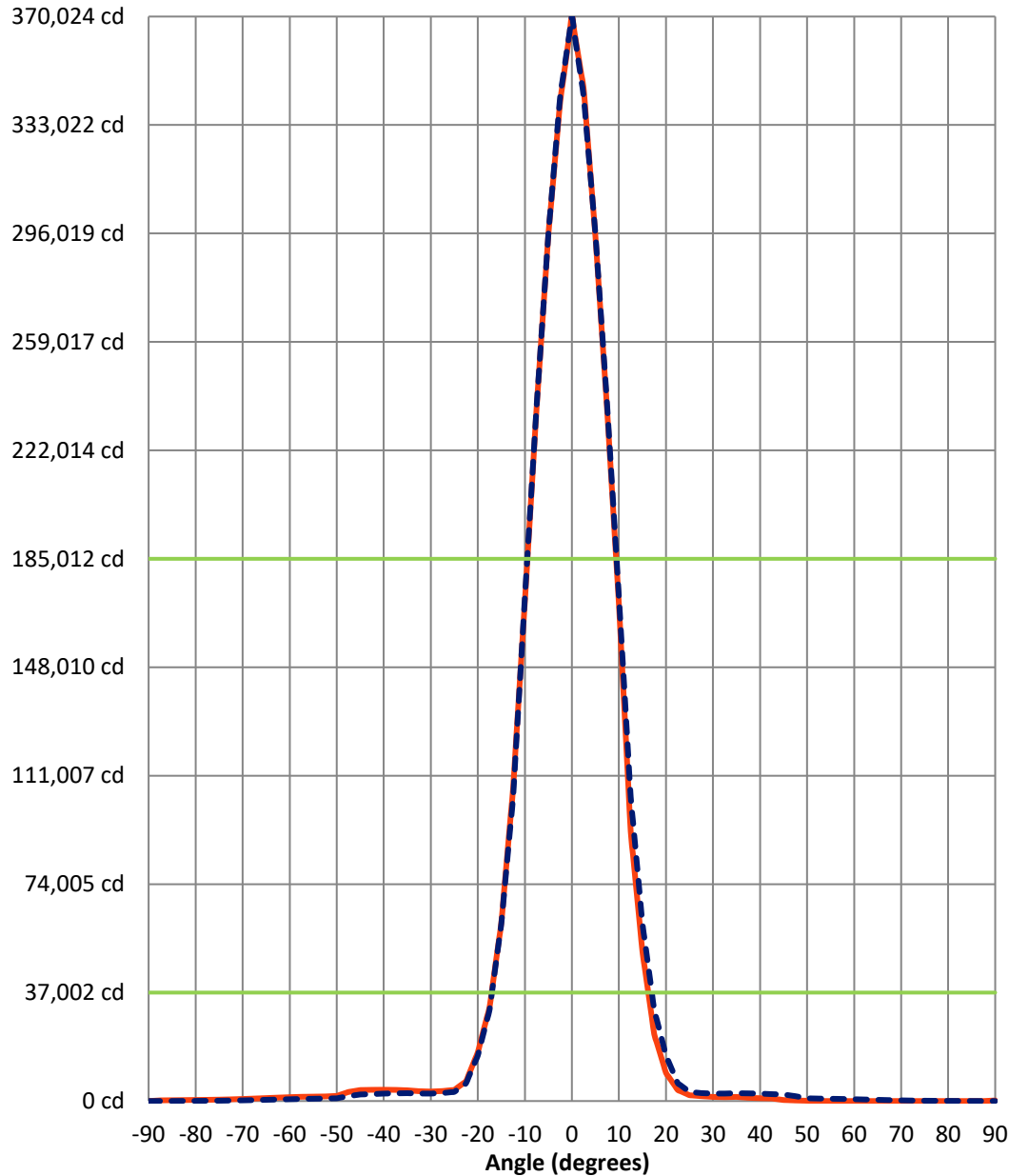
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 18.9°  
 Lumens: 21620.1  
 Efficiency: 44.3%

**Field:**  
 H Angle: 34°  
 V Angle: 33.3°  
 Lumens: 39377.7  
 Efficiency: 80.7%

**Spill:**  
 Lumens: 9395  
 Efficiency: 19.3%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-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°	5.3	14.1	23.0	34.5	45.9	57.4	68.9	77.1	85.3	93.4	101.6
87.5°	5.3	4.6	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.5	3.5
85°	5.3	4.7	3.8	3.9	3.8	3.7	3.5	3.5	3.5	3.5	3.5
82.5°	5.3	4.9	4.0	4.0	4.0	3.8	3.5	3.5	3.5	3.6	3.5
80°	5.3	5.0	4.2	4.2	4.1	3.9	3.6	3.8	3.8	3.8	3.5
77.5°	5.3	5.2	4.4	4.4	4.3	4.2	4.1	4.2	4.2	4.0	3.7
75°	5.3	5.4	4.6	4.6	4.6	4.8	4.6	4.6	4.6	4.5	4.2
72.5°	5.3	5.5	4.8	4.8	5.2	5.5	5.2	5.2	5.4	5.3	4.8
70°	5.3	5.7	5.0	5.0	5.9	6.1	5.9	6.2	6.3	6.1	5.8
67.5°	5.3	5.9	5.2	5.6	6.5	6.8	7.0	7.1	7.3	7.5	7.0
65°	5.3	6.1	5.5	6.2	7.2	7.8	8.2	8.1	8.9	9.1	8.6
62.5°	5.3	6.2	5.7	6.8	7.9	9.1	9.5	9.7	10.7	10.9	10.9
60°	5.3	6.4	6.0	7.4	8.6	10.4	10.9	11.5	12.5	13.4	13.3
57.5°	5.3	6.6	6.6	8.0	9.8	11.8	13.1	13.5	15.0	16.1	17.6
55°	5.3	6.8	7.2	8.6	11.1	13.3	15.4	15.9	17.8	19.6	23.1
52.5°	5.3	7.0	7.9	9.2	12.4	14.9	18.0	19.2	20.7	25.6	29.2
50°	5.3	7.2	8.5	9.8	13.7	17.2	20.6	22.9	24.6	31.9	38.8
47.5°	5.3	7.3	9.2	10.5	15.0	19.6	23.5	26.9	30.8	38.7	49.4
45°	5.3	7.5	9.9	11.6	16.4	22.1	27.2	31.1	38.4	49.0	60.7
42.5°	5.3	7.7	10.6	12.6	17.7	24.7	31.1	37.1	46.5	59.9	77.6
40°	5.3	7.9	11.3	13.9	19.4	27.3	35.1	44.3	55.8	71.5	96.6
37.5°	5.3	8.1	12.1	15.5	21.5	29.9	39.3	51.7	67.5	86.4	116.9
35°	5.3	8.3	12.9	17.1	23.5	33.1	43.6	59.2	79.4	105.2	139.7
32.5°	5.3	8.5	13.6	18.7	25.5	36.5	48.6	66.9	91.5	123.6	163.4
30°	5.3	8.7	14.4	20.4	27.5	39.9	54.8	75.2	103.8	141.6	186.2
27.5°	5.3	8.9	15.2	22.0	30.4	43.4	61.0	85.3	117.2	159.1	207.9
25°	5.3	9.1	16.0	23.7	33.3	46.8	67.1	95.3	132.0	177.1	228.7
22.5°	5.3	9.2	16.8	25.3	36.2	50.5	73.1	105.2	146.2	194.7	251.5
20°	5.3	9.4	17.5	27.0	39.1	54.7	79.0	114.9	159.8	211.3	273.0
17.5°	5.3	9.6	18.3	28.6	41.9	58.7	84.9	124.3	172.7	226.9	293.3
15°	5.3	9.7	19.1	30.3	44.7	62.6	90.6	133.0	184.9	241.4	312.1
12.5°	5.3	9.9	19.8	31.8	47.4	66.3	96.0	140.6	196.0	254.8	329.5
10°	5.3	10.1	20.5	33.4	50.0	69.9	101.0	147.6	206.2	269.4	347.4
7.5°	5.3	10.2	21.2	34.9	52.5	73.2	105.7	153.9	215.6	283.6	368.3
5°	5.3	10.3	21.8	36.3	54.8	76.4	110.0	159.5	224.2	297.1	387.9
2.5°	5.3	10.5	22.4	37.6	57.1	79.4	114.0	164.5	231.8	309.5	406.0
0°	5.3	10.6	23.0	38.9	59.2	82.1	117.5	168.7	238.5	320.6	422.2
-2.5°	5.3	11.1	24.2	40.9	61.8	85.5	121.7	174.5	246.3	329.2	431.3
-5°	5.3	11.6	25.4	42.9	64.3	88.7	125.4	179.5	252.9	336.3	438.3
-7.5°	5.3	12.1	26.6	44.7	66.7	91.6	128.7	183.7	258.2	341.9	443.2
-10°	5.3	12.6	27.7	46.5	68.8	94.3	131.5	187.0	262.2	346.0	446.1
-12.5°	5.3	13.0	28.7	48.1	70.8	96.8	133.9	189.5	264.8	348.7	449.1
-15°	5.3	13.5	29.6	49.6	72.6	98.9	135.8	191.0	266.3	351.2	450.8
-17.5°	5.3	13.9	30.5	50.9	74.3	100.8	137.3	192.1	266.8	351.9	450.1
-20°	5.3	14.3	31.3	52.2	75.7	102.4	138.5	192.6	265.9	350.8	446.9



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 CATALOG NUMBER: EPH-08-320L-57-80-1S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.3	14.7	32.0	53.2	77.0	103.8	139.7	192.1	263.5	347.9	441.1
-25°	5.3	15.0	32.6	54.2	78.2	105.0	140.3	190.5	259.7	343.2	432.8
-27.5°	5.3	15.3	33.1	55.0	79.1	106.1	140.3	187.8	254.4	337.0	425.8
-30°	5.3	15.6	33.5	55.6	79.9	106.8	139.7	183.9	249.5	329.6	416.7
-32.5°	5.3	15.9	33.9	56.1	80.5	107.2	138.4	181.9	244.2	320.6	405.5
-35°	5.3	16.2	34.1	56.4	80.9	107.3	138.0	179.9	237.6	309.8	392.2
-37.5°	5.3	16.4	34.3	56.6	81.1	107.2	137.7	177.2	229.5	297.4	378.5
-40°	5.3	16.6	34.3	56.6	81.1	107.2	137.0	173.6	220.1	285.9	362.8
-42.5°	5.3	16.7	34.3	56.5	80.8	106.9	135.9	169.4	213.4	273.5	344.5
-45°	5.3	16.8	34.1	56.1	80.4	106.2	134.3	165.7	207.6	259.4	324.5
-47.5°	5.3	16.9	33.9	55.7	79.7	105.3	132.3	163.3	200.8	243.8	306.7
-50°	5.3	17.0	33.5	55.1	78.8	104.0	130.6	160.3	192.6	234.3	287.1
-52.5°	5.3	17.0	33.1	54.4	77.7	102.5	128.7	156.9	186.7	223.6	266.6
-55°	5.3	17.0	32.6	53.5	76.4	100.7	126.4	153.1	181.6	211.8	252.9
-57.5°	5.3	17.0	31.9	52.5	74.8	98.7	123.7	149.8	175.9	203.9	237.9
-60°	5.3	16.9	31.2	51.4	73.1	96.3	120.7	145.8	170.0	196.7	224.4
-62.5°	5.3	16.8	30.9	50.1	71.2	93.7	117.3	141.3	164.6	189.0	215.6
-65°	5.3	16.7	30.5	48.6	69.1	90.8	113.6	136.5	158.8	181.9	206.2
-67.5°	5.3	16.6	30.0	47.1	66.9	87.7	109.6	131.2	152.6	174.6	197.3
-70°	5.3	16.4	29.5	45.4	64.4	84.4	105.3	125.5	145.7	166.8	188.3
-72.5°	5.3	16.2	28.9	44.2	61.8	80.8	100.7	119.5	138.5	158.2	178.6
-75°	5.3	16.0	28.2	43.1	59.0	77.0	95.8	113.2	130.8	149.0	167.9
-77.5°	5.3	15.7	27.4	41.9	56.9	73.0	90.7	106.5	122.7	139.5	156.8
-80°	5.3	15.5	26.7	40.5	55.0	69.8	85.3	99.6	114.3	129.4	145.0
-82.5°	5.3	15.2	25.8	39.1	52.9	66.9	81.3	93.2	105.6	119.0	132.8
-85°	5.3	14.8	24.9	37.7	50.7	63.9	77.3	88.0	98.9	110.0	121.4
-87.5°	5.3	14.5	24.0	36.1	48.4	60.7	73.2	82.6	92.1	101.8	111.6
-90°	5.3	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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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°	109.3	117.1	124.8	132.5	138.2	144.0	149.7	155.4	160.3	165.2	170.0
87.5°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.0
85°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.0
82.5°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.5	2.3	2.2
80°	3.3	3.1	3.0	2.9	2.9	2.9	2.8	2.6	2.6	2.6	2.6
77.5°	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.1	3.1	3.0	2.9
75°	4.0	4.0	3.9	3.7	3.4	3.4	3.5	3.5	3.4	3.1	2.9
72.5°	4.6	4.6	4.3	3.8	3.7	3.8	3.7	3.6	3.8	4.3	4.8
70°	5.3	5.2	5.1	4.6	4.2	4.4	5.1	5.8	6.5	7.5	9.1
67.5°	6.3	6.5	6.3	5.8	5.7	6.6	7.5	10.3	13.3	15.0	15.7
65°	7.9	8.0	8.4	8.5	7.9	10.4	13.6	17.3	20.7	21.4	20.9
62.5°	9.7	10.7	11.4	12.1	13.1	15.5	19.2	22.9	26.7	25.6	22.1
60°	13.5	14.0	16.1	18.1	18.8	20.2	24.2	26.3	27.5	26.8	20.8
57.5°	18.1	19.1	22.5	24.9	25.6	24.0	25.6	26.9	26.8	23.6	18.1
55°	24.5	25.8	30.0	33.1	32.9	27.1	26.8	28.1	26.1	22.9	17.8
52.5°	33.8	34.5	39.2	42.5	41.4	35.4	31.1	33.1	32.8	28.7	24.3
50°	44.0	47.9	49.6	54.3	54.1	49.2	41.1	45.1	52.3	51.0	44.8
47.5°	58.5	63.5	63.7	69.4	72.0	76.3	69.4	78.0	88.6	110.1	103.3
45°	75.8	84.2	84.9	90.2	103.5	119.6	126.0	125.5	178.8	198.1	212.1
42.5°	95.0	108.5	114.2	113.9	156.7	181.1	195.0	239.0	279.5	291.8	298.4
40°	119.3	135.6	148.0	175.6	220.0	253.8	288.6	335.6	357.7	359.9	360.0
37.5°	145.9	169.6	189.6	236.8	293.4	330.8	374.1	394.3	409.6	410.5	427.9
35°	174.5	206.4	243.4	295.9	358.3	400.8	425.8	444.0	452.4	471.7	556.2
32.5°	207.2	245.7	294.0	352.5	412.0	455.3	470.2	486.0	506.4	563.5	811.4
30°	240.2	290.0	342.0	405.0	465.4	495.9	511.6	531.4	563.4	786.0	1129.5
27.5°	268.2	331.5	388.3	453.9	515.5	536.6	554.9	584.6	720.4	1032.7	1510.0
25°	295.0	364.4	431.0	502.1	553.2	576.5	599.5	639.7	904.9	1399.7	1725.5
22.5°	321.8	397.7	469.8	549.8	590.7	614.9	650.2	800.6	1171.5	1766.3	1919.5
20°	349.4	431.0	508.3	588.4	626.7	652.0	700.3	982.8	1497.4	1922.8	2064.7
17.5°	376.4	463.1	544.5	615.6	655.4	691.0	767.6	1166.0	1790.7	2077.3	2176.0
15°	402.6	493.7	577.4	641.9	683.9	733.1	925.8	1409.8	1981.0	2215.9	2309.6
12.5°	427.7	522.8	607.1	667.2	712.4	774.8	1091.3	1650.7	2108.4	2325.0	2414.8
10°	451.4	550.1	633.8	691.3	740.6	815.6	1258.2	1854.2	2213.6	2398.8	2467.2
7.5°	473.9	573.7	657.7	714.1	768.0	854.9	1420.1	2022.0	2296.5	2461.3	2503.5
5°	493.5	593.0	679.7	738.6	795.6	889.7	1558.7	2156.3	2360.8	2513.4	2540.9
2.5°	510.3	609.6	699.6	762.3	822.3	917.5	1625.7	2210.8	2369.0	2536.4	2579.7
0°	524.6	623.6	717.2	784.3	847.0	941.5	1664.0	2239.0	2359.1	2542.8	2620.5
-2.5°	536.3	642.6	742.3	807.5	870.7	964.3	1661.2	2260.8	2383.9	2601.3	2777.2
-5°	545.5	658.7	764.3	828.9	892.4	983.7	1631.4	2254.5	2417.7	2653.1	2873.8
-7.5°	552.2	671.2	783.0	849.1	913.7	1006.0	1610.0	2281.5	2516.3	2714.5	2912.9
-10°	556.6	679.5	794.3	868.0	935.2	1028.0	1564.2	2270.2	2608.4	2776.0	2950.4
-12.5°	561.7	684.2	801.6	884.4	954.0	1045.3	1483.2	2216.0	2693.8	2842.4	2987.2
-15°	563.8	685.8	805.4	898.2	969.7	1057.7	1365.7	2115.6	2750.8	2878.5	3010.7
-17.5°	562.8	684.3	805.8	909.3	982.4	1064.8	1210.5	1929.6	2661.2	2892.7	3032.6
-20°	558.7	679.7	802.6	917.4	991.9	1073.7	1185.5	1715.9	2416.7	2882.1	3048.3



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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°	551.4	672.2	795.2	912.9	1002.5	1085.0	1186.7	1494.3	2128.1	2846.2	3049.5
-25°	541.9	661.5	783.6	908.0	1011.9	1092.6	1183.1	1300.7	1842.4	2535.7	3019.0
-27.5°	530.5	647.2	772.3	898.6	1019.4	1097.5	1184.0	1291.5	1590.4	2177.1	2902.9
-30°	516.1	631.1	756.4	884.1	1008.9	1102.9	1184.2	1270.2	1380.6	1853.5	2479.1
-32.5°	499.8	611.6	735.5	862.5	989.4	1106.4	1177.4	1255.2	1350.1	1520.0	2054.4
-35°	483.4	591.4	710.0	835.8	964.7	1085.3	1171.5	1241.2	1319.0	1422.3	1666.3
-37.5°	467.5	567.9	680.1	803.9	930.3	1047.3	1160.7	1229.6	1300.8	1373.5	1475.0
-40°	448.7	541.1	649.6	766.8	885.6	1002.3	1114.8	1217.7	1283.2	1346.2	1411.9
-42.5°	427.3	517.2	616.7	723.9	836.0	949.4	1063.6	1171.7	1263.7	1320.1	1380.1
-45°	404.1	490.3	581.4	680.1	782.0	891.6	1001.7	1111.9	1210.2	1298.0	1351.7
-47.5°	378.0	460.5	547.7	633.0	727.9	828.8	934.9	1038.6	1139.8	1233.2	1324.4
-50°	351.0	428.1	508.6	588.2	673.0	765.1	862.6	960.9	1058.0	1153.1	1242.8
-52.5°	326.7	392.7	467.0	542.7	619.8	701.8	788.5	877.4	970.5	1062.9	1146.4
-55°	300.6	360.7	422.7	494.1	567.3	641.2	713.6	793.7	876.8	963.9	1041.8
-57.5°	279.5	327.6	382.0	442.6	511.2	580.6	644.4	708.9	782.8	860.1	927.8
-60°	260.8	298.8	343.0	395.5	451.9	514.6	574.7	634.3	693.9	752.9	816.9
-62.5°	242.7	275.7	310.4	350.2	400.0	448.2	501.1	556.2	611.2	664.0	715.2
-65°	231.7	254.8	284.3	316.8	349.3	391.3	434.1	476.4	524.9	572.8	619.5
-67.5°	219.9	241.6	263.6	287.6	317.4	345.0	372.4	410.7	448.5	484.3	521.1
-70°	208.8	228.2	248.6	269.3	289.4	309.8	334.8	359.7	384.1	410.4	442.0
-72.5°	197.5	215.4	233.7	252.3	270.4	287.3	304.2	321.2	341.1	362.6	383.5
-75°	185.3	202.0	218.8	235.8	251.5	266.5	281.6	297.0	312.1	327.1	342.1
-77.5°	172.3	187.4	202.8	218.5	232.4	245.6	258.9	272.4	285.7	298.7	311.7
-80°	158.8	172.4	186.1	200.0	212.0	223.7	235.5	247.3	258.9	270.4	281.8
-82.5°	144.7	156.6	168.7	180.9	191.2	201.2	211.1	221.2	231.0	240.8	250.5
-85°	131.0	140.5	150.8	161.2	169.8	178.3	186.8	195.3	203.5	211.6	219.7
-87.5°	120.2	128.9	137.5	146.1	152.8	159.5	166.2	172.9	179.1	185.4	191.7
-90°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	174.9	178.2	181.5	184.8	188.1	191.0	193.9	196.7	199.6	201.4	203.2
87.5°	1.8	1.8	1.7	1.7	1.7	1.5	1.3	1.1	0.9	0.9	0.9
85°	1.8	1.8	1.8	1.8	1.8	1.6	1.4	1.1	0.9	0.9	0.9
82.5°	2.2	2.1	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.8
80°	2.6	2.4	2.2	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	2.7	2.5	2.2	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	2.7	2.6	2.8	2.8	2.6	2.6	2.6	2.6	2.5	2.3	2.2
72.5°	5.3	5.4	5.4	5.5	5.5	5.7	5.9	6.1	6.1	6.2	6.2
70°	9.9	10.3	10.5	10.4	9.8	9.3	9.0	8.8	8.5	8.7	9.2
67.5°	15.2	14.1	13.5	12.8	11.4	10.2	9.5	8.7	7.9	7.5	7.5
65°	18.8	14.8	12.9	11.4	10.3	8.9	7.7	6.6	5.7	5.1	4.8
62.5°	17.9	12.7	10.0	8.4	7.1	5.8	4.8	4.0	3.5	3.2	3.2
60°	15.2	9.9	7.0	5.6	4.2	2.8	2.6	2.4	2.3	2.1	2.2
57.5°	13.6	8.9	5.4	5.3	4.6	3.3	2.9	2.9	2.5	1.8	2.1
55°	15.1	12.8	8.9	9.1	8.9	7.5	6.4	7.7	7.4	5.7	6.3
52.5°	22.7	26.1	21.2	19.7	27.0	26.8	20.9	28.6	32.8	32.0	32.7
50°	53.5	60.5	67.8	62.1	76.2	84.6	82.8	92.7	102.9	102.7	105.9
47.5°	126.8	145.9	148.0	151.8	168.0	188.5	205.2	216.9	222.9	220.4	222.2
45°	226.9	231.2	241.1	263.1	290.5	323.6	348.7	363.4	412.6	447.6	468.1
42.5°	300.7	314.2	338.5	396.4	438.8	536.4	654.3	700.0	758.0	787.4	789.3
40°	374.8	409.0	509.4	614.9	843.9	1014.2	1024.3	1096.5	1129.8	1093.2	1087.7
37.5°	497.1	624.2	796.6	1040.3	1146.9	1193.1	1218.6	1227.8	1234.6	1228.4	1225.2
35°	738.2	959.2	1128.4	1207.9	1256.0	1257.5	1263.4	1262.7	1254.8	1250.6	1241.9
32.5°	1093.7	1304.5	1309.7	1303.5	1313.5	1307.8	1296.8	1291.6	1274.6	1264.3	1267.8
30°	1460.4	1461.5	1440.7	1392.3	1368.2	1360.8	1344.8	1331.7	1315.4	1317.8	1374.3
27.5°	1605.8	1588.0	1558.8	1517.1	1436.2	1420.3	1407.5	1401.9	1469.8	1531.7	1586.9
25°	1768.6	1722.3	1706.3	1670.0	1586.8	1494.6	1535.1	1598.9	1687.5	1779.8	1868.8
22.5°	1909.3	1875.9	1865.7	1852.2	1716.2	1676.5	1732.1	1837.0	1958.1	2118.4	2576.2
20°	2048.0	2012.0	2000.2	1932.3	1861.1	1870.9	1974.2	2157.1	2495.7	3712.3	5198.0
17.5°	2164.6	2127.3	2087.0	2007.9	1985.2	2084.4	2291.1	2933.4	4531.6	8525.0	12583.8
15°	2273.2	2224.3	2155.7	2103.8	2146.8	2331.4	2843.5	5032.1	10208.8	16911.7	25362.9
12.5°	2369.8	2294.9	2198.9	2172.0	2302.6	2613.6	4621.8	9874.3	17792.9	27342.0	47182.3
10°	2437.0	2339.9	2256.2	2302.7	2510.3	3345.1	6650.9	14803.9	26518.5	47876.5	72577.2
7.5°	2465.9	2378.0	2329.2	2429.1	2706.3	4295.9	10012.1	20473.8	37454.5	66173.5	105584.0
5°	2498.6	2437.9	2410.7	2554.2	2895.1	5070.5	12429.5	25245.4	49149.1	83358.3	134109.0
2.5°	2564.8	2506.9	2488.0	2664.1	3060.3	5792.8	14318.4	28954.9	56897.0	97698.0	159422.5
0°	2681.5	2561.3	2546.3	2718.6	3126.6	6121.6	15558.0	31191.9	60582.1	103833.6	171877.2
-2.5°	2774.1	2631.1	2602.4	2756.1	3155.9	5960.5	15432.3	31114.8	59078.6	101782.9	163967.8
-5°	2855.0	2711.5	2672.0	2814.7	3220.0	5954.5	14614.7	28549.6	52864.6	89438.4	138185.4
-7.5°	2927.0	2802.9	2744.5	2858.0	3228.5	5332.4	11820.9	23505.3	42256.0	69828.5	106954.0
-10°	3002.9	2907.6	2828.0	2903.9	3192.6	4242.7	7908.1	16943.5	30093.0	50638.8	76113.8
-12.5°	3089.6	3041.6	2924.6	2935.6	3144.1	3580.3	5844.8	11829.1	20892.4	31899.2	50365.0
-15°	3163.2	3161.0	3063.1	3031.9	3135.5	3415.2	4077.8	6569.0	12673.2	20505.4	29640.2
-17.5°	3178.5	3256.8	3219.3	3124.1	3130.2	3287.0	3560.1	4353.2	6365.9	11282.6	16717.6
-20°	3188.4	3355.6	3359.5	3282.3	3214.5	3197.0	3321.9	3553.2	4003.0	5664.4	7851.4



REPORT NUMBER: P1305572 (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°	3203.5	3362.4	3475.5	3454.2	3321.2	3243.4	3215.5	3303.1	3455.3	3669.7	4379.3
-25°	3210.7	3359.0	3520.8	3565.2	3509.5	3367.2	3260.7	3201.3	3255.1	3323.2	3462.0
-27.5°	3180.1	3353.7	3510.6	3642.1	3658.1	3565.1	3408.6	3281.7	3232.3	3185.6	3242.7
-30°	3129.2	3323.1	3487.2	3649.1	3713.8	3684.0	3602.1	3499.0	3378.8	3285.2	3252.3
-32.5°	2712.6	3277.4	3445.5	3585.7	3692.5	3723.0	3723.8	3668.7	3617.2	3545.1	3460.6
-35°	2234.8	2861.4	3408.2	3478.8	3576.7	3677.8	3752.9	3755.4	3749.4	3715.2	3679.6
-37.5°	1737.3	2321.1	2847.0	3268.0	3416.1	3535.0	3663.6	3750.5	3805.0	3795.2	3788.6
-40°	1512.5	1696.5	2188.5	2617.6	2977.7	3316.5	3455.7	3611.7	3737.3	3781.0	3810.5
-42.5°	1443.0	1521.8	1601.9	1927.1	2298.0	2624.2	2931.0	3223.6	3484.8	3632.9	3735.9
-45°	1405.0	1448.8	1497.8	1570.2	1632.8	1903.0	2177.9	2444.9	2770.8	3070.8	3331.0
-47.5°	1369.7	1404.0	1442.0	1479.2	1514.0	1563.1	1605.6	1681.4	1925.5	2171.6	2418.6
-50°	1313.0	1369.6	1401.1	1429.0	1453.5	1476.3	1496.0	1530.2	1570.7	1606.1	1641.8
-52.5°	1218.2	1281.9	1342.5	1388.3	1407.6	1426.5	1445.9	1471.8	1495.8	1517.7	1534.6
-55°	1111.9	1176.4	1237.4	1283.9	1325.6	1364.0	1398.2	1421.2	1443.6	1465.2	1481.6
-57.5°	995.0	1060.8	1120.5	1165.0	1206.7	1245.4	1283.1	1319.2	1352.3	1382.2	1407.6
-60°	876.6	932.1	986.0	1033.1	1076.1	1114.9	1152.1	1187.7	1220.3	1249.6	1275.1
-62.5°	765.5	816.9	859.5	898.0	935.1	970.9	1008.5	1043.1	1074.6	1103.4	1129.8
-65°	665.2	709.5	741.8	772.0	800.5	831.2	864.4	894.9	922.7	948.6	972.4
-67.5°	562.1	600.5	628.9	655.0	679.3	703.8	730.3	754.9	777.7	799.4	819.8
-70°	472.6	499.4	519.2	539.2	560.8	582.8	605.6	626.4	645.1	662.9	679.3
-72.5°	403.8	420.2	434.1	451.2	466.6	483.1	500.0	515.7	530.0	544.0	557.1
-75°	357.2	369.3	380.6	391.2	401.1	412.8	425.0	436.5	447.4	457.6	467.2
-77.5°	324.8	334.2	341.9	349.3	356.3	365.5	375.0	384.3	393.4	401.1	408.2
-80°	293.1	300.6	307.3	313.7	319.8	327.7	335.7	343.5	351.1	358.1	364.8
-82.5°	260.3	266.4	272.1	277.5	282.8	289.5	296.1	302.5	308.7	314.5	320.0
-85°	227.7	232.3	236.8	241.0	245.2	250.6	256.0	261.3	266.5	270.2	273.8
-87.5°	197.9	201.4	204.8	208.1	211.3	215.2	219.1	223.0	226.9	229.4	231.8
-90°	1.8	1.6	1.4	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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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°	204.9	206.7	206.3	205.8	206.3	206.7	204.9	203.2	201.4	199.6	196.7
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	2.0	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.3	2.5	2.6
72.5°	6.2	6.1	6.2	6.2	6.2	6.1	6.2	6.2	6.2	6.1	6.1
70°	9.8	10.4	10.6	10.6	10.6	10.4	9.8	9.2	8.7	8.5	8.8
67.5°	7.3	7.2	6.7	6.2	6.7	7.2	7.3	7.5	7.5	7.9	8.7
65°	4.6	4.5	4.4	4.4	4.4	4.5	4.6	4.8	5.1	5.7	6.6
62.5°	3.3	3.5	3.5	3.5	3.5	3.5	3.3	3.2	3.2	3.5	4.0
60°	2.4	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.1	2.3	2.4
57.5°	2.3	2.5	2.6	2.6	2.6	2.5	2.3	2.1	1.8	2.5	2.9
55°	6.7	6.9	6.7	6.2	6.7	6.9	6.7	6.3	5.7	7.4	7.7
52.5°	32.2	29.7	25.9	21.2	25.9	29.7	32.2	32.7	32.0	32.8	28.6
50°	112.0	115.0	112.4	104.2	112.4	115.0	112.0	105.9	102.7	102.9	92.7
47.5°	230.9	233.4	225.4	206.7	225.4	233.4	230.9	222.2	220.4	222.9	216.9
45°	483.3	479.6	438.0	351.5	438.0	479.6	483.3	468.1	447.6	412.6	363.4
42.5°	833.5	870.7	892.5	892.9	892.5	870.7	833.5	789.3	787.4	758.0	700.0
40°	1078.8	1035.2	987.7	980.4	987.7	1035.2	1078.8	1087.7	1093.2	1129.8	1096.5
37.5°	1217.8	1227.0	1221.7	1119.0	1221.7	1227.0	1217.8	1225.2	1228.4	1234.6	1227.8
35°	1262.1	1331.1	1402.1	1416.7	1402.1	1331.1	1262.1	1241.9	1250.6	1254.8	1262.7
32.5°	1283.5	1307.1	1313.5	1316.0	1313.5	1307.1	1283.5	1267.8	1264.3	1274.6	1291.6
30°	1400.3	1415.8	1413.5	1410.5	1413.5	1415.8	1400.3	1374.3	1317.8	1315.4	1331.7
27.5°	1613.0	1638.6	1650.0	1657.8	1650.0	1638.6	1613.0	1586.9	1531.7	1469.8	1401.9
25°	1917.5	1956.6	1983.4	1995.2	1983.4	1956.6	1917.5	1868.8	1779.8	1687.5	1598.9
22.5°	3105.0	3376.0	3644.1	3782.8	3644.1	3376.0	3105.0	2576.2	2118.4	1958.1	1837.0
20°	7751.5	8922.3	9456.9	9613.0	9456.9	8922.3	7751.5	5198.0	3712.3	2495.7	2157.1
17.5°	18051.6	22489.5	25457.8	22857.0	25457.8	22489.5	18051.6	12583.8	8525.0	4531.6	2933.4
15°	36947.6	48187.1	54476.4	50937.3	54476.4	48187.1	36947.6	25362.9	16911.7	10208.8	5032.1
12.5°	66568.9	84109.8	95890.9	92005.9	95890.9	84109.8	66568.9	47182.3	27342.0	17792.9	9874.3
10°	104778.0	140050.0	163536.3	169342.3	163536.3	140050.0	104778.0	72577.2	47876.5	26518.5	14803.9
7.5°	152053.0	195724.6	230196.6	235532.0	230196.6	195724.6	152053.0	105584.0	66173.5	37454.5	20473.8
5°	198301.8	249850.5	285718.0	295029.5	285718.0	249850.5	198301.8	134109.0	83358.3	49149.1	25245.4
2.5°	227007.3	283113.7	326318.1	345348.6	326318.1	283113.7	227007.3	159422.5	97698.0	56897.0	28954.9
0°	237253.0	295849.2	342725.8	370024.1	342725.8	295849.2	237253.0	171877.2	103833.6	60582.1	31191.9
-2.5°	229309.3	282373.5	321945.9	340922.7	321945.9	282373.5	229309.3	163967.8	101782.9	59078.6	31114.8
-5°	195306.8	248030.0	280226.7	295684.9	280226.7	248030.0	195306.8	138185.4	89438.4	52864.6	28549.6
-7.5°	152614.9	194813.3	222615.9	236679.3	222615.9	194813.3	152614.9	106954.0	69828.5	42256.0	23505.3
-10°	106784.5	140263.5	159004.7	170479.9	159004.7	140263.5	106784.5	76113.8	50638.8	30093.0	16943.5
-12.5°	69479.3	88966.0	99462.4	106814.5	99462.4	88966.0	69479.3	50365.0	31899.2	20892.4	11829.1
-15°	42178.1	51675.1	57373.8	60946.0	57373.8	51675.1	42178.1	29640.2	20505.4	12673.2	6569.0
-17.5°	23541.3	27620.4	30508.7	32107.0	30508.7	27620.4	23541.3	16717.6	11282.6	6365.9	4353.2
-20°	11681.2	14261.7	15956.6	16668.2	15956.6	14261.7	11681.2	7851.4	5664.4	4003.0	3553.2



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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°	5391.0	6080.3	6536.6	6754.0	6536.6	6080.3	5391.0	4379.3	3669.7	3455.3	3303.1
-25°	3596.9	3705.0	3784.5	3819.1	3784.5	3705.0	3596.9	3462.0	3323.2	3255.1	3201.3
-27.5°	3294.5	3351.8	3399.4	3418.1	3399.4	3351.8	3294.5	3242.7	3185.6	3232.3	3281.7
-30°	3227.1	3229.7	3243.1	3243.2	3243.1	3229.7	3227.1	3252.3	3285.2	3378.8	3499.0
-32.5°	3396.8	3359.5	3343.2	3360.7	3343.2	3359.5	3396.8	3460.6	3545.1	3617.2	3668.7
-35°	3655.9	3645.8	3646.6	3665.4	3646.6	3645.8	3655.9	3679.6	3715.2	3749.4	3755.4
-37.5°	3790.3	3798.2	3807.1	3809.3	3807.1	3798.2	3790.3	3788.6	3795.2	3805.0	3750.5
-40°	3827.6	3843.1	3854.7	3858.8	3854.7	3843.1	3827.6	3810.5	3781.0	3737.3	3611.7
-42.5°	3781.4	3812.2	3828.5	3832.3	3828.5	3812.2	3781.4	3735.9	3632.9	3484.8	3223.6
-45°	3520.0	3657.0	3734.5	3755.5	3734.5	3657.0	3520.0	3331.0	3070.8	2770.8	2444.9
-47.5°	2658.9	2874.1	3023.9	3093.1	3023.9	2874.1	2658.9	2418.6	2171.6	1925.5	1681.4
-50°	1679.2	1714.7	1741.2	1757.6	1741.2	1714.7	1679.2	1641.8	1606.1	1570.7	1530.2
-52.5°	1549.2	1562.3	1569.8	1573.0	1569.8	1562.3	1549.2	1534.6	1517.7	1495.8	1471.8
-55°	1495.6	1507.7	1512.9	1513.8	1512.9	1507.7	1495.6	1481.6	1465.2	1443.6	1421.2
-57.5°	1429.5	1447.9	1456.0	1457.3	1456.0	1447.9	1429.5	1407.6	1382.2	1352.3	1319.2
-60°	1296.7	1314.5	1323.3	1326.6	1323.3	1314.5	1296.7	1275.1	1249.6	1220.3	1187.7
-62.5°	1152.8	1172.1	1178.0	1177.3	1178.0	1172.1	1152.8	1129.8	1103.4	1074.6	1043.1
-65°	993.2	1010.9	1016.0	1015.7	1016.0	1010.9	993.2	972.4	948.6	922.7	894.9
-67.5°	837.9	853.5	858.9	860.3	858.9	853.5	837.9	819.8	799.4	777.7	754.9
-70°	693.7	706.1	709.1	709.2	709.1	706.1	693.7	679.3	662.9	645.1	626.4
-72.5°	568.9	579.6	581.4	581.2	581.4	579.6	568.9	557.1	544.0	530.0	515.7
-75°	476.3	484.7	485.0	484.0	485.0	484.7	476.3	467.2	457.6	447.4	436.5
-77.5°	414.8	421.1	422.4	423.1	422.4	421.1	414.8	408.2	401.1	393.4	384.3
-80°	371.1	377.1	377.0	376.3	377.0	377.1	371.1	364.8	358.1	351.1	343.5
-82.5°	325.4	330.5	330.6	330.3	330.6	330.5	325.4	320.0	314.5	308.7	302.5
-85°	277.2	280.5	280.4	280.0	280.4	280.5	277.2	273.8	270.2	266.5	261.3
-87.5°	234.2	236.6	236.7	236.7	236.7	236.6	234.2	231.8	229.4	226.9	223.0
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	193.9	191.0	188.1	184.8	181.5	178.2	174.9	170.0	165.2	160.3	155.4
87.5°	1.3	1.5	1.7	1.7	1.7	1.8	1.8	2.0	2.2	2.4	2.6
85°	1.4	1.6	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.4	2.6
82.5°	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.5	2.6
80°	1.8	1.8	1.8	2.0	2.2	2.4	2.6	2.6	2.6	2.6	2.6
77.5°	1.8	1.8	1.8	2.0	2.2	2.5	2.7	2.9	3.0	3.1	3.1
75°	2.6	2.6	2.6	2.8	2.8	2.6	2.7	2.9	3.1	3.4	3.5
72.5°	5.9	5.7	5.5	5.5	5.4	5.4	5.3	4.8	4.3	3.8	3.6
70°	9.0	9.3	9.8	10.4	10.5	10.3	9.9	9.1	7.5	6.5	5.8
67.5°	9.5	10.2	11.4	12.8	13.5	14.1	15.2	15.7	15.0	13.3	10.3
65°	7.7	8.9	10.3	11.4	12.9	14.8	18.8	20.9	21.4	20.7	17.3
62.5°	4.8	5.8	7.1	8.4	10.0	12.7	17.9	22.1	25.6	26.7	22.9
60°	2.6	2.8	4.2	5.6	7.0	9.9	15.2	20.8	26.8	27.5	26.3
57.5°	2.9	3.3	4.6	5.3	5.4	8.9	13.6	18.1	23.6	26.8	26.9
55°	6.4	7.5	8.9	9.1	8.9	12.8	15.1	17.8	22.9	26.1	28.1
52.5°	20.9	26.8	27.0	19.7	21.2	26.1	22.7	24.3	28.7	32.8	33.1
50°	82.8	84.6	76.2	62.1	67.8	60.5	53.5	44.8	51.0	52.3	45.1
47.5°	205.2	188.5	168.0	151.8	148.0	145.9	126.8	103.3	110.1	88.6	78.0
45°	348.7	323.6	290.5	263.1	241.1	231.2	226.9	212.1	198.1	178.8	125.5
42.5°	654.3	536.4	438.8	396.4	338.5	314.2	300.7	298.4	291.8	279.5	239.0
40°	1024.3	1014.2	843.9	614.9	509.4	409.0	374.8	360.0	359.9	357.7	335.6
37.5°	1218.6	1193.1	1146.9	1040.3	796.6	624.2	497.1	427.9	410.5	409.6	394.3
35°	1263.4	1257.5	1256.0	1207.9	1128.4	959.2	738.2	556.2	471.7	452.4	444.0
32.5°	1296.8	1307.8	1313.5	1303.5	1309.7	1304.5	1093.7	811.4	563.5	506.4	486.0
30°	1344.8	1360.8	1368.2	1392.3	1440.7	1461.5	1460.4	1129.5	786.0	563.4	531.4
27.5°	1407.5	1420.3	1436.2	1517.1	1558.8	1588.0	1605.8	1510.0	1032.7	720.4	584.6
25°	1535.1	1494.6	1586.8	1670.0	1706.3	1722.3	1768.6	1725.5	1399.7	904.9	639.7
22.5°	1732.1	1676.5	1716.2	1852.2	1865.7	1875.9	1909.3	1919.5	1766.3	1171.5	800.6
20°	1974.2	1870.9	1861.1	1932.3	2000.2	2012.0	2048.0	2064.7	1922.8	1497.4	982.8
17.5°	2291.1	2084.4	1985.2	2007.9	2087.0	2127.3	2164.6	2176.0	2077.3	1790.7	1166.0
15°	2843.5	2331.4	2146.8	2103.8	2155.7	2224.3	2273.2	2309.6	2215.9	1981.0	1409.8
12.5°	4621.8	2613.6	2302.6	2172.0	2198.9	2294.9	2369.8	2414.8	2325.0	2108.4	1650.7
10°	6650.9	3345.1	2510.3	2302.7	2256.2	2339.9	2437.0	2467.2	2398.8	2213.6	1854.2
7.5°	10012.1	4295.9	2706.3	2429.1	2329.2	2378.0	2465.9	2503.5	2461.3	2296.5	2022.0
5°	12429.5	5070.5	2895.1	2554.2	2410.7	2437.9	2498.6	2540.9	2513.4	2360.8	2156.3
2.5°	14318.4	5792.8	3060.3	2664.1	2488.0	2506.9	2564.8	2579.7	2536.4	2369.0	2210.8
0°	15558.0	6121.6	3126.6	2718.6	2546.3	2561.3	2681.5	2620.5	2542.8	2359.1	2239.0
-2.5°	15432.3	5960.5	3155.9	2756.1	2602.4	2631.1	2774.1	2777.2	2601.3	2383.9	2260.8
-5°	14614.7	5954.5	3220.0	2814.7	2672.0	2711.5	2855.0	2873.8	2653.1	2417.7	2254.5
-7.5°	11820.9	5332.4	3228.5	2858.0	2744.5	2802.9	2927.0	2912.9	2714.5	2516.3	2281.5
-10°	7908.1	4242.7	3192.6	2903.9	2828.0	2907.6	3002.9	2950.4	2776.0	2608.4	2270.2
-12.5°	5844.8	3580.3	3144.1	2935.6	2924.6	3041.6	3089.6	2987.2	2842.4	2693.8	2216.0
-15°	4077.8	3415.2	3135.5	3031.9	3063.1	3161.0	3163.2	3010.7	2878.5	2750.8	2115.6
-17.5°	3560.1	3287.0	3130.2	3124.1	3219.3	3256.8	3178.5	3032.6	2892.7	2661.2	1929.6
-20°	3321.9	3197.0	3214.5	3282.3	3359.5	3355.6	3188.4	3048.3	2882.1	2416.7	1715.9



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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°	3215.5	3243.4	3321.2	3454.2	3475.5	3362.4	3203.5	3049.5	2846.2	2128.1	1494.3
-25°	3260.7	3367.2	3509.5	3565.2	3520.8	3359.0	3210.7	3019.0	2535.7	1842.4	1300.7
-27.5°	3408.6	3565.1	3658.1	3642.1	3510.6	3353.7	3180.1	2902.9	2177.1	1590.4	1291.5
-30°	3602.1	3684.0	3713.8	3649.1	3487.2	3323.1	3129.2	2479.1	1853.5	1380.6	1270.2
-32.5°	3723.8	3723.0	3692.5	3585.7	3445.5	3277.4	2712.6	2054.4	1520.0	1350.1	1255.2
-35°	3752.9	3677.8	3576.7	3478.8	3408.2	2861.4	2234.8	1666.3	1422.3	1319.0	1241.2
-37.5°	3663.6	3535.0	3416.1	3268.0	2847.0	2321.1	1737.3	1475.0	1373.5	1300.8	1229.6
-40°	3455.7	3316.5	2977.7	2617.6	2188.5	1696.5	1512.5	1411.9	1346.2	1283.2	1217.7
-42.5°	2931.0	2624.2	2298.0	1927.1	1601.9	1521.8	1443.0	1380.1	1320.1	1263.7	1171.7
-45°	2177.9	1903.0	1632.8	1570.2	1497.8	1448.8	1405.0	1351.7	1298.0	1210.2	1111.9
-47.5°	1605.6	1563.1	1514.0	1479.2	1442.0	1404.0	1369.7	1324.4	1233.2	1139.8	1038.6
-50°	1496.0	1476.3	1453.5	1429.0	1401.1	1369.6	1313.0	1242.8	1153.1	1058.0	960.9
-52.5°	1445.9	1426.5	1407.6	1388.3	1342.5	1281.9	1218.2	1146.4	1062.9	970.5	877.4
-55°	1398.2	1364.0	1325.6	1283.9	1237.4	1176.4	1111.9	1041.8	963.9	876.8	793.7
-57.5°	1283.1	1245.4	1206.7	1165.0	1120.5	1060.8	995.0	927.8	860.1	782.8	708.9
-60°	1152.1	1114.9	1076.1	1033.1	986.0	932.1	876.6	816.9	752.9	693.9	634.3
-62.5°	1008.5	970.9	935.1	898.0	859.5	816.9	765.5	715.2	664.0	611.2	556.2
-65°	864.4	831.2	800.5	772.0	741.8	709.5	665.2	619.5	572.8	524.9	476.4
-67.5°	730.3	703.8	679.3	655.0	628.9	600.5	562.1	521.1	484.3	448.5	410.7
-70°	605.6	582.8	560.8	539.2	519.2	499.4	472.6	442.0	410.4	384.1	359.7
-72.5°	500.0	483.1	466.6	451.2	434.1	420.2	403.8	383.5	362.6	341.1	321.2
-75°	425.0	412.8	401.1	391.2	380.6	369.3	357.2	342.1	327.1	312.1	297.0
-77.5°	375.0	365.5	356.3	349.3	341.9	334.2	324.8	311.7	298.7	285.7	272.4
-80°	335.7	327.7	319.8	313.7	307.3	300.6	293.1	281.8	270.4	258.9	247.3
-82.5°	296.1	289.5	282.8	277.5	272.1	266.4	260.3	250.5	240.8	231.0	221.2
-85°	256.0	250.6	245.2	241.0	236.8	232.3	227.7	219.7	211.6	203.5	195.3
-87.5°	219.1	215.2	211.3	208.1	204.8	201.4	197.9	191.7	185.4	179.1	172.9
-90°	0.9	0.9	0.9	1.1	1.4	1.6	1.8	2.0	2.2	2.4	2.6



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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°	149.7	144.0	138.2	132.5	124.8	117.1	109.3	101.6	93.4	85.3	77.1
87.5°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5
85°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5
82.5°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.6	3.5	3.5
80°	2.8	2.9	2.9	2.9	3.0	3.1	3.3	3.5	3.8	3.8	3.8
77.5°	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	4.0	4.2	4.2
75°	3.5	3.4	3.4	3.7	3.9	4.0	4.0	4.2	4.5	4.6	4.6
72.5°	3.7	3.8	3.7	3.8	4.3	4.6	4.6	4.8	5.3	5.4	5.2
70°	5.1	4.4	4.2	4.6	5.1	5.2	5.3	5.8	6.1	6.3	6.2
67.5°	7.5	6.6	5.7	5.8	6.3	6.5	6.3	7.0	7.5	7.3	7.1
65°	13.6	10.4	7.9	8.5	8.4	8.0	7.9	8.6	9.1	8.9	8.1
62.5°	19.2	15.5	13.1	12.1	11.4	10.7	9.7	10.9	10.9	10.7	9.7
60°	24.2	20.2	18.8	18.1	16.1	14.0	13.5	13.3	13.4	12.5	11.5
57.5°	25.6	24.0	25.6	24.9	22.5	19.1	18.1	17.6	16.1	15.0	13.5
55°	26.8	27.1	32.9	33.1	30.0	25.8	24.5	23.1	19.6	17.8	15.9
52.5°	31.1	35.4	41.4	42.5	39.2	34.5	33.8	29.2	25.6	20.7	19.2
50°	41.1	49.2	54.1	54.3	49.6	47.9	44.0	38.8	31.9	24.6	22.9
47.5°	69.4	76.3	72.0	69.4	63.7	63.5	58.5	49.4	38.7	30.8	26.9
45°	126.0	119.6	103.5	90.2	84.9	84.2	75.8	60.7	49.0	38.4	31.1
42.5°	195.0	181.1	156.7	113.9	114.2	108.5	95.0	77.6	59.9	46.5	37.1
40°	288.6	253.8	220.0	175.6	148.0	135.6	119.3	96.6	71.5	55.8	44.3
37.5°	374.1	330.8	293.4	236.8	189.6	169.6	145.9	116.9	86.4	67.5	51.7
35°	425.8	400.8	358.3	295.9	243.4	206.4	174.5	139.7	105.2	79.4	59.2
32.5°	470.2	455.3	412.0	352.5	294.0	245.7	207.2	163.4	123.6	91.5	66.9
30°	511.6	495.9	465.4	405.0	342.0	290.0	240.2	186.2	141.6	103.8	75.2
27.5°	554.9	536.6	515.5	453.9	388.3	331.5	268.2	207.9	159.1	117.2	85.3
25°	599.5	576.5	553.2	502.1	431.0	364.4	295.0	228.7	177.1	132.0	95.3
22.5°	650.2	614.9	590.7	549.8	469.8	397.7	321.8	251.5	194.7	146.2	105.2
20°	700.3	652.0	626.7	588.4	508.3	431.0	349.4	273.0	211.3	159.8	114.9
17.5°	767.6	691.0	655.4	615.6	544.5	463.1	376.4	293.3	226.9	172.7	124.3
15°	925.8	733.1	683.9	641.9	577.4	493.7	402.6	312.1	241.4	184.9	133.0
12.5°	1091.3	774.8	712.4	667.2	607.1	522.8	427.7	329.5	254.8	196.0	140.6
10°	1258.2	815.6	740.6	691.3	633.8	550.1	451.4	347.4	269.4	206.2	147.6
7.5°	1420.1	854.9	768.0	714.1	657.7	573.7	473.9	368.3	283.6	215.6	153.9
5°	1558.7	889.7	795.6	738.6	679.7	593.0	493.5	387.9	297.1	224.2	159.5
2.5°	1625.7	917.5	822.3	762.3	699.6	609.6	510.3	406.0	309.5	231.8	164.5
0°	1664.0	941.5	847.0	784.3	717.2	623.6	524.6	422.2	320.6	238.5	168.7
-2.5°	1661.2	964.3	870.7	807.5	742.3	642.6	536.3	431.3	329.2	246.3	174.5
-5°	1631.4	983.7	892.4	828.9	764.3	658.7	545.5	438.3	336.3	252.9	179.5
-7.5°	1610.0	1006.0	913.7	849.1	783.0	671.2	552.2	443.2	341.9	258.2	183.7
-10°	1564.2	1028.0	935.2	868.0	794.3	679.5	556.6	446.1	346.0	262.2	187.0
-12.5°	1483.2	1045.3	954.0	884.4	801.6	684.2	561.7	449.1	348.7	264.8	189.5
-15°	1365.7	1057.7	969.7	898.2	805.4	685.8	563.8	450.8	351.2	266.3	191.0
-17.5°	1210.5	1064.8	982.4	909.3	805.8	684.3	562.8	450.1	351.9	266.8	192.1
-20°	1185.5	1073.7	991.9	917.4	802.6	679.7	558.7	446.9	350.8	265.9	192.6



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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°	1186.7	1085.0	1002.5	912.9	795.2	672.2	551.4	441.1	347.9	263.5	192.1
-25°	1183.1	1092.6	1011.9	908.0	783.6	661.5	541.9	432.8	343.2	259.7	190.5
-27.5°	1184.0	1097.5	1019.4	898.6	772.3	647.2	530.5	425.8	337.0	254.4	187.8
-30°	1184.2	1102.9	1008.9	884.1	756.4	631.1	516.1	416.7	329.6	249.5	183.9
-32.5°	1177.4	1106.4	989.4	862.5	735.5	611.6	499.8	405.5	320.6	244.2	181.9
-35°	1171.5	1085.3	964.7	835.8	710.0	591.4	483.4	392.2	309.8	237.6	179.9
-37.5°	1160.7	1047.3	930.3	803.9	680.1	567.9	467.5	378.5	297.4	229.5	177.2
-40°	1114.8	1002.3	885.6	766.8	649.6	541.1	448.7	362.8	285.9	220.1	173.6
-42.5°	1063.6	949.4	836.0	723.9	616.7	517.2	427.3	344.5	273.5	213.4	169.4
-45°	1001.7	891.6	782.0	680.1	581.4	490.3	404.1	324.5	259.4	207.6	165.7
-47.5°	934.9	828.8	727.9	633.0	547.7	460.5	378.0	306.7	243.8	200.8	163.3
-50°	862.6	765.1	673.0	588.2	508.6	428.1	351.0	287.1	234.3	192.6	160.3
-52.5°	788.5	701.8	619.8	542.7	467.0	392.7	326.7	266.6	223.6	186.7	156.9
-55°	713.6	641.2	567.3	494.1	422.7	360.7	300.6	252.9	211.8	181.6	153.1
-57.5°	644.4	580.6	511.2	442.6	382.0	327.6	279.5	237.9	203.9	175.9	149.8
-60°	574.7	514.6	451.9	395.5	343.0	298.8	260.8	224.4	196.7	170.0	145.8
-62.5°	501.1	448.2	400.0	350.2	310.4	275.7	242.7	215.6	189.0	164.6	141.3
-65°	434.1	391.3	349.3	316.8	284.3	254.8	231.7	206.2	181.9	158.8	136.5
-67.5°	372.4	345.0	317.4	287.6	263.6	241.6	219.9	197.3	174.6	152.6	131.2
-70°	334.8	309.8	289.4	269.3	248.6	228.2	208.8	188.3	166.8	145.7	125.5
-72.5°	304.2	287.3	270.4	252.3	233.7	215.4	197.5	178.6	158.2	138.5	119.5
-75°	281.6	266.5	251.5	235.8	218.8	202.0	185.3	167.9	149.0	130.8	113.2
-77.5°	258.9	245.6	232.4	218.5	202.8	187.4	172.3	156.8	139.5	122.7	106.5
-80°	235.5	223.7	212.0	200.0	186.1	172.4	158.8	145.0	129.4	114.3	99.6
-82.5°	211.1	201.2	191.2	180.9	168.7	156.6	144.7	132.8	119.0	105.6	93.2
-85°	186.8	178.3	169.8	161.2	150.8	140.5	131.0	121.4	110.0	98.9	88.0
-87.5°	166.2	159.5	152.8	146.1	137.5	128.9	120.2	111.6	101.8	92.1	82.6
-90°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	68.9	57.4	45.9	34.5	23.0	14.1	5.3
87.5°	3.5	3.6	3.7	3.7	3.7	4.6	5.3
85°	3.5	3.7	3.8	3.9	3.8	4.7	5.3
82.5°	3.5	3.8	4.0	4.0	4.0	4.9	5.3
80°	3.6	3.9	4.1	4.2	4.2	5.0	5.3
77.5°	4.1	4.2	4.3	4.4	4.4	5.2	5.3
75°	4.6	4.8	4.6	4.6	4.6	5.4	5.3
72.5°	5.2	5.5	5.2	4.8	4.8	5.5	5.3
70°	5.9	6.1	5.9	5.0	5.0	5.7	5.3
67.5°	7.0	6.8	6.5	5.6	5.2	5.9	5.3
65°	8.2	7.8	7.2	6.2	5.5	6.1	5.3
62.5°	9.5	9.1	7.9	6.8	5.7	6.2	5.3
60°	10.9	10.4	8.6	7.4	6.0	6.4	5.3
57.5°	13.1	11.8	9.8	8.0	6.6	6.6	5.3
55°	15.4	13.3	11.1	8.6	7.2	6.8	5.3
52.5°	18.0	14.9	12.4	9.2	7.9	7.0	5.3
50°	20.6	17.2	13.7	9.8	8.5	7.2	5.3
47.5°	23.5	19.6	15.0	10.5	9.2	7.3	5.3
45°	27.2	22.1	16.4	11.6	9.9	7.5	5.3
42.5°	31.1	24.7	17.7	12.6	10.6	7.7	5.3
40°	35.1	27.3	19.4	13.9	11.3	7.9	5.3
37.5°	39.3	29.9	21.5	15.5	12.1	8.1	5.3
35°	43.6	33.1	23.5	17.1	12.9	8.3	5.3
32.5°	48.6	36.5	25.5	18.7	13.6	8.5	5.3
30°	54.8	39.9	27.5	20.4	14.4	8.7	5.3
27.5°	61.0	43.4	30.4	22.0	15.2	8.9	5.3
25°	67.1	46.8	33.3	23.7	16.0	9.1	5.3
22.5°	73.1	50.5	36.2	25.3	16.8	9.2	5.3
20°	79.0	54.7	39.1	27.0	17.5	9.4	5.3
17.5°	84.9	58.7	41.9	28.6	18.3	9.6	5.3
15°	90.6	62.6	44.7	30.3	19.1	9.7	5.3
12.5°	96.0	66.3	47.4	31.8	19.8	9.9	5.3
10°	101.0	69.9	50.0	33.4	20.5	10.1	5.3
7.5°	105.7	73.2	52.5	34.9	21.2	10.2	5.3
5°	110.0	76.4	54.8	36.3	21.8	10.3	5.3
2.5°	114.0	79.4	57.1	37.6	22.4	10.5	5.3
0°	117.5	82.1	59.2	38.9	23.0	10.6	5.3
-2.5°	121.7	85.5	61.8	40.9	24.2	11.1	5.3
-5°	125.4	88.7	64.3	42.9	25.4	11.6	5.3
-7.5°	128.7	91.6	66.7	44.7	26.6	12.1	5.3
-10°	131.5	94.3	68.8	46.5	27.7	12.6	5.3
-12.5°	133.9	96.8	70.8	48.1	28.7	13.0	5.3
-15°	135.8	98.9	72.6	49.6	29.6	13.5	5.3
-17.5°	137.3	100.8	74.3	50.9	30.5	13.9	5.3
-20°	138.5	102.4	75.7	52.2	31.3	14.3	5.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	139.7	103.8	77.0	53.2	32.0	14.7	5.3
-25°	140.3	105.0	78.2	54.2	32.6	15.0	5.3
-27.5°	140.3	106.1	79.1	55.0	33.1	15.3	5.3
-30°	139.7	106.8	79.9	55.6	33.5	15.6	5.3
-32.5°	138.4	107.2	80.5	56.1	33.9	15.9	5.3
-35°	138.0	107.3	80.9	56.4	34.1	16.2	5.3
-37.5°	137.7	107.2	81.1	56.6	34.3	16.4	5.3
-40°	137.0	107.2	81.1	56.6	34.3	16.6	5.3
-42.5°	135.9	106.9	80.8	56.5	34.3	16.7	5.3
-45°	134.3	106.2	80.4	56.1	34.1	16.8	5.3
-47.5°	132.3	105.3	79.7	55.7	33.9	16.9	5.3
-50°	130.6	104.0	78.8	55.1	33.5	17.0	5.3
-52.5°	128.7	102.5	77.7	54.4	33.1	17.0	5.3
-55°	126.4	100.7	76.4	53.5	32.6	17.0	5.3
-57.5°	123.7	98.7	74.8	52.5	31.9	17.0	5.3
-60°	120.7	96.3	73.1	51.4	31.2	16.9	5.3
-62.5°	117.3	93.7	71.2	50.1	30.9	16.8	5.3
-65°	113.6	90.8	69.1	48.6	30.5	16.7	5.3
-67.5°	109.6	87.7	66.9	47.1	30.0	16.6	5.3
-70°	105.3	84.4	64.4	45.4	29.5	16.4	5.3
-72.5°	100.7	80.8	61.8	44.2	28.9	16.2	5.3
-75°	95.8	77.0	59.0	43.1	28.2	16.0	5.3
-77.5°	90.7	73.0	56.9	41.9	27.4	15.7	5.3
-80°	85.3	69.8	55.0	40.5	26.7	15.5	5.3
-82.5°	81.3	66.9	52.9	39.1	25.8	15.2	5.3
-85°	77.3	63.9	50.7	37.7	24.9	14.8	5.3
-87.5°	73.2	60.7	48.4	36.1	24.0	14.5	5.3
-90°	3.5	3.5	3.5	3.5	3.5	4.4	5.3

(END OF REPORT)