

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: P1212087 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-1S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212087 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-19)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-80-1S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

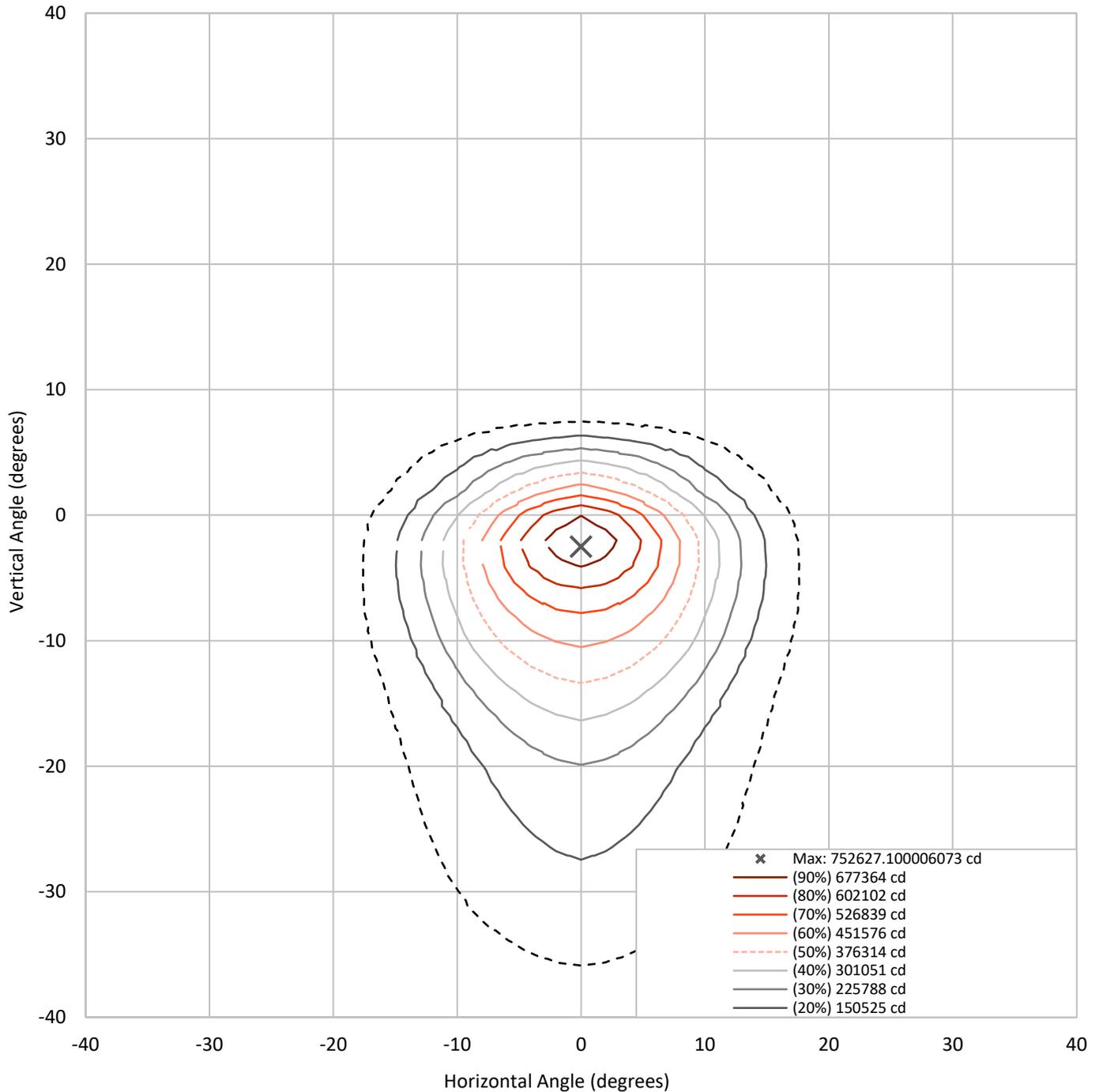
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	113986.3 lumens	Max Intensity:	752627.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	103.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	19.5°H x 16.7°V	Field Angle (10%):	34.9°H x 43.1°V
Beam Lumens:	38110.8 lumens	Field Lumens:	85766.4 lumens
Beam Efficiency:	33.4%	Field Efficiency:	75.2%
Input Watts (W):	1101.3		
Input Voltage (V):	NR		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: EPH-LS12-1000R-40-80-1S-ECV

Iso-Candela Plot



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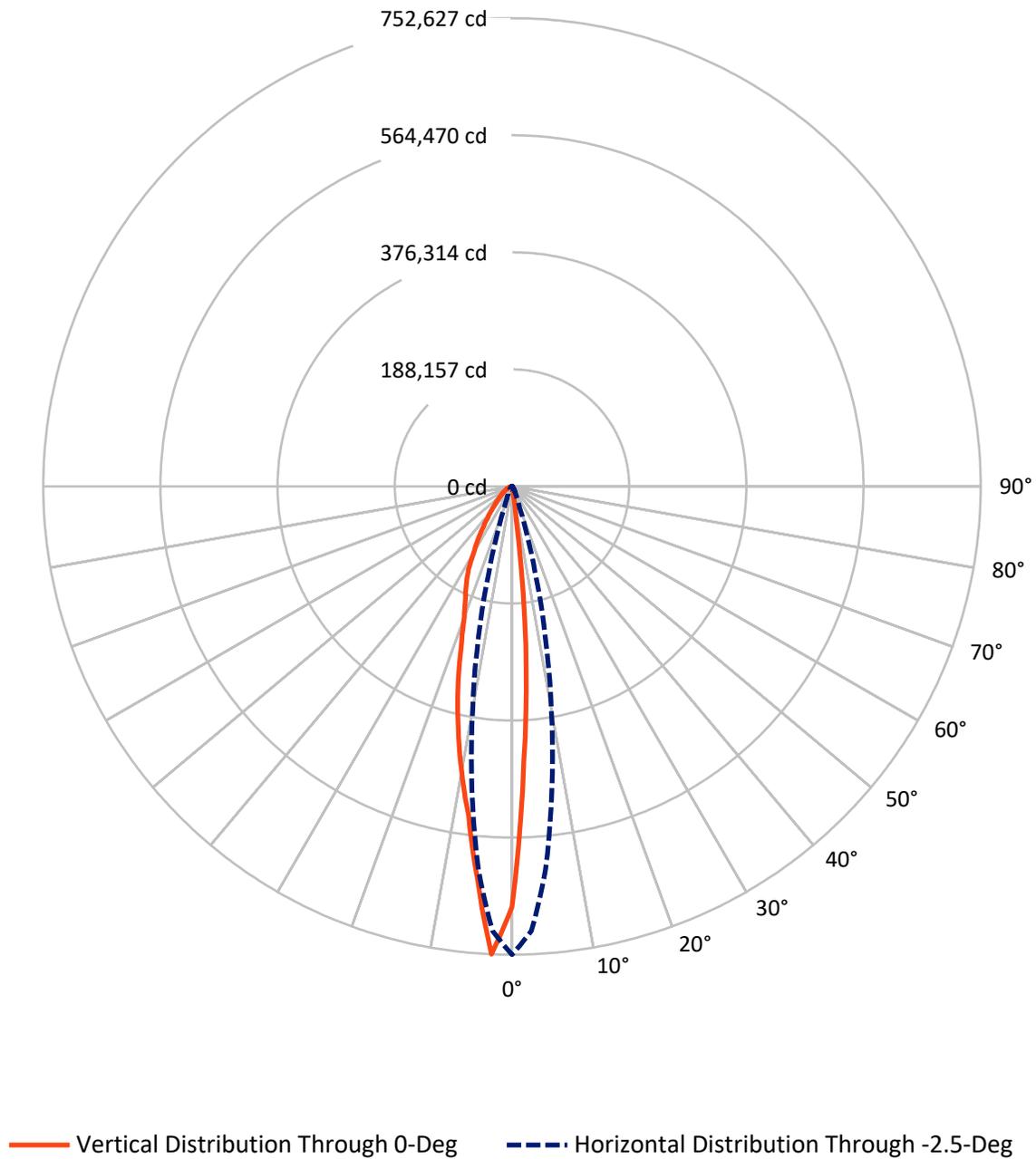
CATALOG NUMBER: EPH-LS12-1000R-40-80-1S-ECV

Lumen Table

90	1.8	5.0		6.8		7.5		7.9		7.5		6.8		5.0		1.8
80	1.7	1.0	1.2	1.2	1.1	0.9	0.5	0.2	0.2	0.5	0.9	1.1	1.2	1.2	1.0	1.7
70	1.7	1.0	1.2	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.2	1.0	1.7
60	1.8	1.0	1.3	1.4	1.3	1.1	0.7	0.2	0.2	0.7	1.1	1.3	1.4	1.3	1.0	1.8
50	1.8	1.1	1.4	1.5	1.5	1.3	0.9	0.3	0.3	0.9	1.3	1.5	1.5	1.4	1.1	1.8
40	1.9	1.1	1.5	1.7	1.9	2.0	1.6	0.7	0.7	1.6	2.0	1.9	1.7	1.5	1.1	1.9
30	1.9	1.2	1.9	2.8	3.9	5.9	5.5	6.0	6.0	5.5	5.9	3.9	2.8	1.9	1.2	1.9
20	2.1	1.6	4.1	13.9	42.4	152.0	1518.7	6205.7	6205.7	1518.7	152.0	42.4	13.9	4.1	1.6	2.1
10	2.1	2.8	16.8	61.1	175.4	539.3	4490.8	15453.0	15453.0	4490.8	539.3	175.4	61.1	16.8	2.8	2.1
0	2.8	5.1	29.7	107.2	262.1	648.2	2741.6	8478.5	8478.5	2741.6	648.2	262.1	107.2	29.7	5.1	2.8
-10	2.8	6.8	32.6	106.7	268.7	621.1	1726.7	4310.1	4310.1	1726.7	621.1	268.7	106.7	32.6	6.8	2.8
-20	3.5	7.1	31.1	88.9	231.4	514.9	1126.6	2189.7	2189.7	1126.6	514.9	231.4	88.9	31.1	7.1	3.5
-30	3.5	6.7	26.5	72.4	165.8	350.9	682.9	1027.1	1027.1	682.9	350.9	165.8	72.4	26.5	6.7	3.5
-40	3.5	5.5	19.8	52.7	112.7	214.5	377.5	513.6	513.6	377.5	214.5	112.7	52.7	19.8	5.5	3.5
-50	3.5	4.3	12.1	31.3	64.0	115.0	184.2	234.4	234.4	184.2	115.0	64.0	31.3	12.1	4.3	3.5
-60	3.2	19.8		65.3		176.5		269.5		176.5		65.3		19.8		3.2
-70	3.2	19.8		65.3		176.5		269.5		176.5		65.3		19.8		3.2
-80	3.2	19.8		65.3		176.5		269.5		176.5		65.3		19.8		3.2
-90	3.2	19.8		65.3		176.5		269.5		176.5		65.3		19.8		3.2

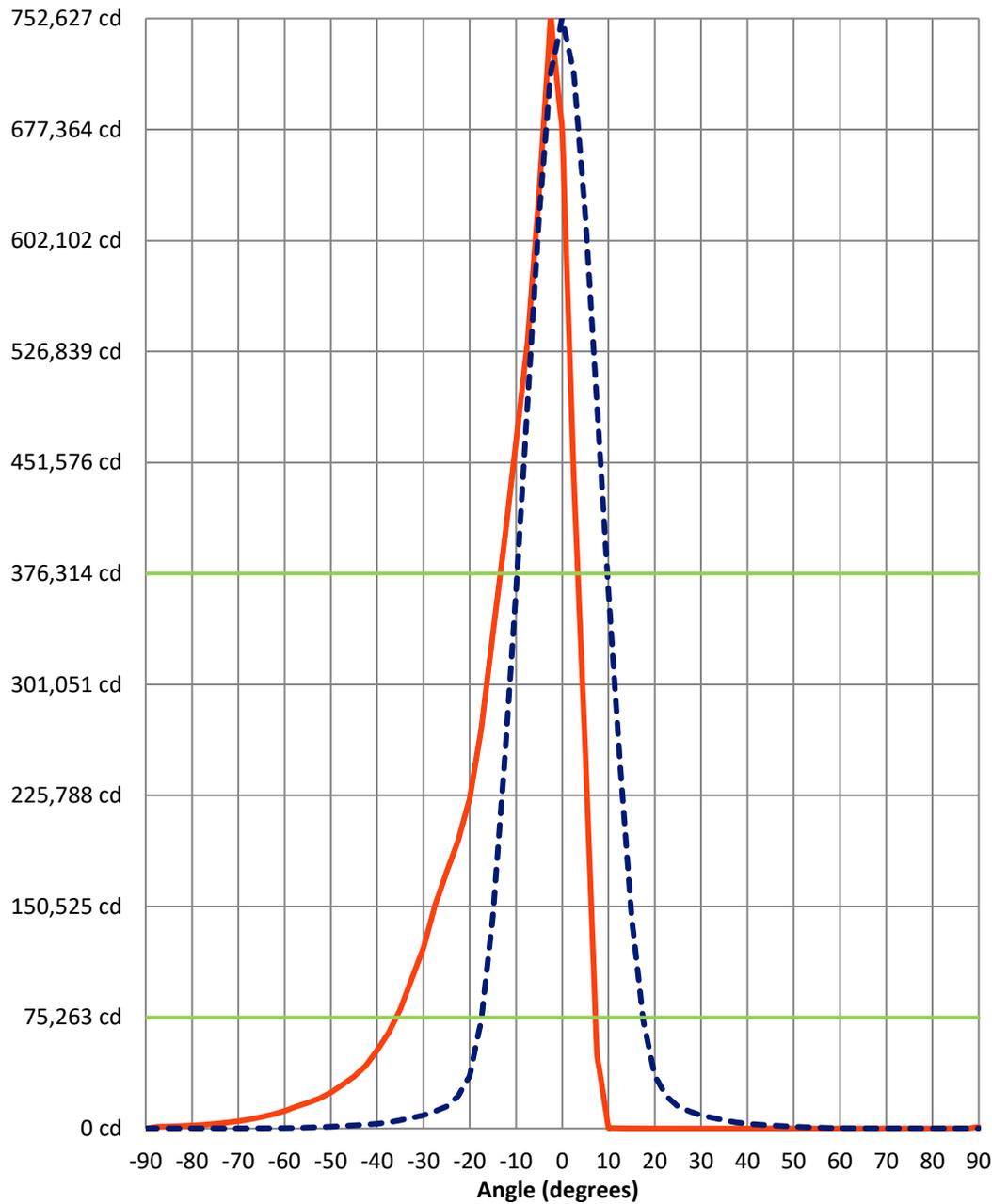
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 19.5°
V Angle: 16.7°
Lumens: 38110.8
Efficiency: 33.4%

Field:
H Angle: 34.9°
V Angle: 43.1°
Lumens: 85766.4
Efficiency: 75.2%

Spill:
Lumens: 28219.8
Efficiency: 24.8%

- 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°	86.5	91.7	96.9	110.8	124.6	138.5	152.4	175.9	199.4	223.0	246.5
87.5°	86.5	86.1	85.6	84.4	83.3	82.1	80.9	79.3	77.6	76.0	74.3
85°	86.5	86.1	85.6	84.4	83.3	82.1	80.9	79.3	77.6	76.0	74.4
82.5°	86.5	86.1	85.6	84.5	83.3	82.1	81.0	79.3	77.7	76.1	74.4
80°	86.5	86.1	85.6	84.5	83.3	82.2	81.0	79.4	77.8	76.2	74.5
77.5°	86.5	86.1	85.6	84.5	83.4	82.2	81.1	79.5	77.9	76.3	74.6
75°	86.5	86.1	85.6	84.5	83.4	82.3	81.1	79.6	78.0	76.4	74.8
72.5°	86.5	86.1	85.6	84.6	83.5	82.3	81.2	79.8	78.2	76.6	75.0
70°	86.5	86.1	85.7	84.6	83.5	82.4	81.3	79.9	78.3	76.8	75.2
67.5°	86.5	86.1	85.7	84.7	83.6	82.5	81.4	80.1	78.5	77.0	75.4
65°	86.5	86.1	85.7	84.8	83.7	82.6	81.5	80.3	78.8	77.2	75.7
62.5°	86.5	86.1	85.7	84.8	83.8	82.7	81.7	80.5	79.0	77.5	76.0
60°	86.5	86.1	85.7	84.9	83.9	82.8	81.8	80.7	79.3	77.8	76.3
57.5°	86.5	86.1	85.8	85.0	84.0	83.0	82.0	81.0	79.5	78.1	76.6
55°	86.5	86.1	85.8	85.1	84.1	83.1	82.1	81.1	79.8	78.4	77.0
52.5°	86.5	86.1	85.9	85.1	84.2	83.3	82.3	81.4	80.2	78.8	77.4
50°	86.5	86.2	85.9	85.2	84.3	83.4	82.5	81.6	80.5	79.2	78.0
47.5°	86.5	86.2	86.0	85.3	84.5	83.6	82.7	81.9	80.9	79.6	78.6
45°	86.5	86.2	86.1	85.5	84.6	83.8	83.0	82.2	81.3	80.2	79.3
42.5°	86.5	86.2	86.2	85.6	84.8	83.9	83.3	82.6	81.7	80.9	79.9
40°	86.5	86.2	86.3	85.7	84.9	84.1	83.6	83.0	82.2	81.7	80.5
37.5°	86.5	86.2	86.4	85.9	85.1	84.3	84.0	83.4	83.0	82.5	81.2
35°	86.5	86.2	86.5	86.1	85.2	84.6	84.3	83.9	83.8	83.2	81.8
32.5°	86.5	86.3	86.6	86.3	85.4	84.9	84.7	84.4	84.7	84.0	82.8
30°	86.5	86.3	86.7	86.6	85.6	85.2	85.2	85.0	85.6	84.8	84.0
27.5°	86.5	86.3	86.9	86.8	86.1	85.6	85.6	85.7	86.5	85.7	85.4
25°	86.5	86.3	87.0	87.1	86.6	85.9	86.0	86.5	87.2	86.8	86.9
22.5°	86.5	86.3	87.1	87.4	87.3	86.4	86.5	87.4	88.0	88.1	88.7
20°	86.5	86.3	87.3	87.7	87.9	87.5	87.0	88.2	88.9	89.5	90.6
17.5°	86.5	86.4	87.4	88.0	88.7	88.6	88.2	89.0	89.7	90.9	92.6
15°	86.5	86.4	87.6	88.3	89.4	89.8	90.0	90.7	90.6	92.4	94.6
12.5°	86.5	86.4	87.7	88.7	90.2	91.0	91.9	93.3	93.0	94.0	96.7
10°	86.5	86.4	87.9	89.0	91.0	92.2	93.8	95.9	96.6	98.5	100.6
7.5°	86.5	86.4	88.0	89.3	91.8	93.4	95.8	98.5	100.4	103.6	108.7
5°	86.5	86.5	88.1	89.7	92.6	94.6	97.7	101.2	104.3	108.6	117.0
2.5°	86.5	86.5	88.3	90.0	93.3	95.7	99.7	103.7	108.1	113.6	125.4
0°	86.5	86.5	88.4	90.3	94.1	96.9	101.6	106.3	111.9	118.5	133.6
-2.5°	86.5	86.8	89.1	91.5	95.9	99.5	106.1	112.9	121.9	134.4	162.7
-5°	86.5	87.1	89.7	92.6	97.7	102.0	110.5	119.4	131.7	149.9	190.7
-7.5°	86.5	87.4	90.3	93.8	99.4	104.5	114.7	125.7	141.2	164.7	216.9
-10°	86.5	87.6	91.0	94.9	101.1	107.0	118.7	131.7	150.1	178.5	240.5
-12.5°	86.5	87.9	91.6	95.9	102.7	109.3	122.4	137.4	158.4	194.1	285.4
-15°	86.5	88.2	92.2	97.0	104.2	111.5	125.8	142.7	172.0	228.7	336.2
-17.5°	86.5	88.5	92.7	98.0	105.6	113.7	128.8	152.0	191.6	258.9	379.8
-20°	86.5	88.7	93.3	98.9	107.0	115.7	133.3	164.0	209.0	284.2	414.9



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-1S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	86.5	89.0	93.8	99.8	108.2	117.6	140.3	174.5	224.0	303.9	440.6
-25°	86.5	89.2	94.3	100.7	109.4	121.8	146.7	183.6	236.2	317.5	456.2
-27.5°	86.5	89.5	94.8	101.4	110.5	126.6	152.3	191.0	245.5	327.4	472.2
-30°	86.5	89.7	95.2	102.2	111.6	131.1	157.1	196.8	253.5	338.0	479.4
-32.5°	86.5	89.9	95.6	102.8	114.4	135.1	161.1	202.0	260.0	344.3	477.2
-35°	86.5	90.1	96.0	103.4	116.9	138.7	165.4	206.3	263.8	346.1	465.1
-37.5°	86.5	90.3	96.3	103.9	119.2	141.8	169.5	209.4	265.0	343.3	473.4
-40°	86.5	90.5	96.7	104.4	121.1	144.5	172.9	211.3	263.5	340.5	480.0
-42.5°	86.5	90.7	96.9	105.1	122.9	146.6	175.5	211.9	262.8	344.0	477.0
-45°	86.5	90.9	97.2	106.3	124.6	148.4	177.5	212.4	261.9	342.5	465.8
-47.5°	86.5	91.0	97.4	107.4	126.0	149.6	178.6	213.6	259.6	335.2	455.6
-50°	86.5	91.2	97.6	108.4	127.2	150.4	179.3	213.8	257.8	331.4	437.7
-52.5°	86.5	91.3	97.7	109.4	128.0	150.7	179.4	213.0	256.6	323.2	413.9
-55°	86.5	91.4	97.8	110.2	128.6	151.1	178.9	211.3	254.9	310.8	396.4
-57.5°	86.5	91.5	97.9	110.9	129.0	151.2	177.7	209.4	251.6	303.0	373.8
-60°	86.5	91.6	97.9	111.4	129.1	150.9	176.0	207.2	247.0	295.4	352.0
-62.5°	86.5	91.7	98.0	111.8	129.4	150.2	174.6	204.5	242.9	285.8	338.9
-65°	86.5	91.7	98.1	112.1	129.6	149.2	172.7	201.5	237.9	278.1	323.5
-67.5°	86.5	91.8	98.1	112.3	129.6	148.3	170.4	199.0	231.9	270.0	311.1
-70°	86.5	91.8	98.1	112.4	129.4	147.7	167.6	196.0	228.1	260.9	299.5
-72.5°	86.5	91.9	98.0	112.5	129.0	146.9	166.0	192.6	223.8	255.6	288.0
-75°	86.5	91.9	97.9	112.5	128.5	145.8	164.2	190.4	219.0	249.8	281.1
-77.5°	86.5	91.9	97.8	112.5	128.1	144.6	162.2	188.3	216.1	244.3	273.6
-80°	86.5	91.9	97.7	112.3	127.7	143.5	159.9	185.9	213.0	240.4	268.1
-82.5°	86.5	91.8	97.5	112.1	127.1	142.5	158.2	183.4	209.5	236.1	262.9
-85°	86.5	91.8	97.3	111.7	126.4	141.3	156.5	181.3	206.5	231.9	257.6
-87.5°	86.5	91.8	97.1	111.3	125.6	140.0	154.5	178.8	203.1	227.6	252.3
-90°	86.5	86.1	85.6	84.4	83.3	82.1	80.9	79.3	77.6	76.0	74.3



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	267.9	289.3	310.7	332.1	349.2	366.4	383.6	400.7	421.7	442.6	463.6
87.5°	72.0	69.6	67.3	64.9	62.1	59.3	56.5	53.6	50.6	47.5	44.5
85°	72.0	69.7	67.3	65.0	62.2	59.4	56.5	53.7	50.7	47.6	44.6
82.5°	72.1	69.8	67.5	65.1	62.3	59.5	56.7	53.9	50.8	47.8	44.7
80°	72.3	70.0	67.6	65.3	62.6	59.7	56.9	54.1	51.1	48.0	45.0
77.5°	72.5	70.2	67.8	65.5	62.8	60.0	57.2	54.4	51.4	48.3	45.3
75°	72.7	70.4	68.1	65.8	63.2	60.4	57.5	54.7	51.8	48.7	45.6
72.5°	73.0	70.7	68.4	66.1	63.5	60.8	57.9	55.1	52.2	49.1	46.1
70°	73.3	71.0	68.7	66.5	64.0	61.2	58.4	55.6	52.7	49.7	46.6
67.5°	73.7	71.4	69.1	66.9	64.5	61.8	59.0	56.2	53.3	50.2	47.1
65°	74.1	71.8	69.6	67.3	65.1	62.4	59.6	56.8	54.0	50.9	47.8
62.5°	74.4	72.3	70.1	67.9	65.6	63.0	60.3	57.5	54.7	51.7	48.6
60°	74.8	72.8	70.6	68.4	66.2	63.8	61.0	58.2	55.4	52.5	49.4
57.5°	75.2	73.4	71.2	69.1	66.9	64.6	61.9	59.1	56.3	53.4	50.3
55°	75.6	74.0	71.9	69.8	67.6	65.4	62.8	60.0	57.2	54.4	51.3
52.5°	76.1	74.6	72.6	70.5	68.3	66.2	63.8	61.0	58.2	55.4	52.4
50°	76.7	75.2	73.3	71.3	69.3	67.2	64.8	62.1	59.4	56.5	53.7
47.5°	77.3	75.8	74.2	72.2	70.5	68.2	65.8	63.3	60.6	57.9	55.0
45°	77.9	76.4	74.9	73.5	71.5	69.0	66.9	64.6	62.3	59.6	57.0
42.5°	78.5	77.1	75.9	75.0	72.3	70.2	68.3	66.4	64.1	61.4	58.5
40°	79.2	77.8	77.1	75.5	73.2	71.7	69.8	68.0	65.7	63.0	59.8
37.5°	79.9	78.9	78.1	76.2	74.8	73.2	71.3	69.5	67.3	64.6	61.6
35°	80.6	80.0	79.0	77.4	76.3	74.6	73.0	71.2	68.9	66.5	63.8
32.5°	81.5	81.1	80.0	78.7	77.6	76.1	74.9	72.8	70.8	68.6	66.6
30°	82.8	82.2	81.2	80.1	79.0	77.9	76.6	74.7	72.9	71.2	69.1
27.5°	84.7	83.4	82.4	81.4	80.5	79.7	78.4	77.0	75.5	73.9	71.9
25°	86.8	86.1	83.6	82.9	82.3	81.6	80.7	80.0	78.2	77.1	75.5
22.5°	89.1	89.2	87.2	84.5	84.0	83.7	83.7	83.4	82.4	81.1	79.4
20°	91.7	92.5	91.5	90.3	87.1	86.1	87.1	87.1	87.8	88.3	86.9
17.5°	94.5	96.0	96.5	97.5	97.7	95.0	90.8	91.2	94.0	97.8	102.6
15°	97.5	99.8	102.0	105.9	110.5	114.5	114.7	105.5	102.1	110.6	123.6
12.5°	100.7	103.8	107.8	115.1	124.9	137.4	148.9	158.7	161.8	150.1	152.5
10°	103.9	108.0	113.9	125.1	140.5	162.9	187.5	221.3	256.5	291.7	314.4
7.5°	115.7	121.4	125.5	135.5	157.0	190.1	229.3	290.5	361.6	451.2	543.6
5°	129.2	145.5	167.9	201.8	245.6	300.1	339.5	367.1	472.8	621.7	790.1
2.5°	142.8	170.2	211.5	278.8	382.7	543.9	742.0	947.3	1150.9	1412.6	1693.4
0°	156.2	194.7	254.9	355.6	520.2	789.2	1148.6	1532.4	1942.5	2495.7	3161.7
-2.5°	215.6	283.8	402.2	646.6	943.4	1231.5	1678.3	2137.6	2601.4	3216.8	4139.2
-5°	272.4	369.8	543.3	921.5	1348.9	1664.3	2184.9	2719.1	3282.8	4035.1	5191.9
-7.5°	324.7	450.9	673.4	1158.9	1688.8	2085.8	2717.1	3408.5	4156.7	5077.1	6333.3
-10°	375.3	544.4	809.5	1309.8	1931.0	2472.8	3206.9	4041.6	4951.6	6028.2	7372.9
-12.5°	449.8	647.3	934.5	1436.8	2125.2	2810.8	3625.8	4604.1	5647.8	6869.0	8182.1
-15°	516.0	739.2	1042.7	1537.6	2262.3	3089.4	3961.2	5084.7	6130.3	7229.8	8443.7
-17.5°	572.5	818.7	1131.7	1610.1	2334.9	3299.5	4145.6	5216.0	6306.6	7431.2	8663.1
-20°	618.4	884.1	1199.8	1652.5	2349.6	3300.3	4085.0	5133.3	6344.4	7572.4	8775.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	652.7	934.4	1256.0	1709.8	2341.3	3163.2	3987.4	4938.9	6227.4	7647.3	8902.7
-25°	678.7	969.9	1306.8	1741.7	2309.7	3020.5	3839.3	4657.6	5947.4	7515.3	9043.0
-27.5°	695.4	989.3	1338.1	1753.2	2265.6	2897.7	3660.6	4455.6	5599.8	7206.5	8999.6
-30°	697.6	996.8	1348.6	1751.3	2247.4	2830.2	3486.7	4301.5	5197.6	6688.1	8476.3
-32.5°	693.9	990.5	1343.2	1745.7	2217.3	2752.8	3381.7	4177.0	5025.3	5964.9	7725.0
-35°	692.2	982.7	1321.8	1714.4	2165.8	2691.1	3306.8	4021.8	4846.5	5654.6	6948.9
-37.5°	691.0	963.7	1282.3	1664.8	2105.5	2611.6	3186.3	3865.1	4631.0	5524.2	6539.7
-40°	679.5	933.5	1243.5	1602.3	2022.6	2506.1	3055.4	3676.0	4392.8	5311.1	6333.8
-42.5°	659.7	908.6	1197.7	1521.9	1932.8	2386.5	2886.7	3472.0	4173.5	5025.9	5983.8
-45°	644.1	871.9	1142.1	1460.6	1827.9	2250.9	2723.1	3240.6	3923.8	4680.7	5563.2
-47.5°	616.5	827.0	1086.3	1380.5	1721.7	2110.5	2540.0	3057.3	3640.6	4331.7	5080.9
-50°	581.6	779.0	1017.8	1296.5	1608.2	1962.2	2360.2	2849.3	3393.1	3975.4	4636.6
-52.5°	549.3	717.4	944.1	1201.9	1489.4	1809.5	2186.5	2629.0	3123.9	3657.9	4246.3
-55°	508.2	662.5	858.6	1098.1	1364.3	1655.0	2000.1	2401.1	2831.6	3320.5	3860.4
-57.5°	471.5	603.2	775.9	982.5	1227.5	1497.8	1814.9	2160.7	2552.0	2972.8	3450.1
-60°	435.8	545.8	691.5	871.2	1077.3	1330.2	1614.9	1926.3	2264.2	2625.2	3037.1
-62.5°	399.0	493.2	611.5	757.4	938.2	1151.0	1404.5	1679.8	1971.2	2287.2	2624.4
-65°	379.0	442.1	536.4	656.7	793.7	979.4	1191.0	1424.2	1682.5	1942.0	2219.6
-67.5°	355.8	411.1	475.6	556.0	675.1	818.4	971.7	1168.8	1383.3	1596.1	1815.5
-70°	339.1	378.8	431.7	494.7	570.5	674.0	807.2	948.3	1098.8	1268.5	1460.3
-72.5°	322.9	359.6	398.0	438.0	502.1	582.4	670.0	764.3	885.5	1027.3	1170.6
-75°	310.7	339.7	374.1	410.4	455.5	507.9	566.0	643.3	736.4	839.9	945.9
-77.5°	301.7	329.5	357.5	385.8	421.7	466.6	514.2	564.2	629.3	702.9	780.1
-80°	293.4	318.6	345.2	372.1	402.9	436.4	472.0	509.4	559.6	616.6	678.5
-82.5°	287.0	311.1	335.4	359.9	385.5	411.9	439.3	469.4	510.3	554.0	599.3
-85°	280.3	303.0	326.1	349.2	372.3	395.8	419.6	443.8	475.1	507.6	540.8
-87.5°	274.3	296.4	318.4	340.5	360.5	380.7	401.1	421.8	447.0	472.6	498.4
-90°	72.0	69.6	67.3	64.9	62.1	59.3	56.4	53.6	50.6	47.5	44.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	484.5	516.7	548.9	581.1	613.3	657.5	701.8	746.0	790.2	833.2	876.3
87.5°	41.4	38.4	35.3	32.3	29.2	26.1	23.1	20.0	16.9	14.3	11.8
85°	41.5	38.5	35.4	32.4	29.3	26.2	23.1	20.1	17.0	14.1	11.3
82.5°	41.7	38.6	35.6	32.5	29.4	26.3	23.2	20.1	17.1	14.2	11.3
80°	41.9	38.8	35.8	32.7	29.6	26.5	23.4	20.3	17.2	14.3	11.4
77.5°	42.2	39.1	35.9	32.6	29.4	26.1	22.9	19.8	16.6	13.8	11.1
75°	42.5	39.3	36.0	32.8	29.6	26.5	23.2	20.0	16.7	13.8	11.2
72.5°	43.0	39.9	36.8	33.6	30.5	27.3	24.0	20.8	17.5	14.6	11.7
70°	43.5	40.3	37.2	34.1	30.9	27.7	24.3	20.9	17.4	14.4	11.5
67.5°	44.0	40.9	37.7	34.6	31.4	28.1	24.6	21.1	17.5	14.4	11.6
65°	44.7	41.5	38.3	35.1	31.9	28.4	24.8	21.3	17.8	14.7	11.9
62.5°	45.4	42.2	38.9	35.5	31.9	28.2	24.9	21.6	18.2	14.9	11.8
60°	46.2	43.0	39.7	36.1	32.6	28.9	25.5	22.1	18.7	15.3	12.3
57.5°	47.1	43.9	40.6	37.0	33.4	29.7	26.2	22.7	19.2	15.7	12.7
55°	48.1	44.9	41.6	38.0	34.3	30.6	26.9	23.4	19.8	16.2	13.0
52.5°	49.2	46.0	42.7	39.1	35.4	31.6	27.8	24.1	20.5	16.7	13.4
50°	50.5	47.3	44.0	40.3	36.6	32.7	28.7	25.0	21.2	17.4	13.9
47.5°	52.2	49.0	45.3	41.7	37.9	33.9	29.9	25.9	22.1	18.1	14.3
45°	54.1	50.2	46.6	43.1	39.3	35.3	31.2	27.0	23.0	18.9	14.9
42.5°	55.0	51.5	48.1	44.6	40.9	36.8	32.6	28.2	24.1	19.9	15.6
40°	56.6	53.3	49.9	46.3	42.6	38.5	34.2	29.7	25.4	21.1	16.4
37.5°	58.6	55.3	52.1	48.6	44.6	40.4	36.1	31.9	27.6	22.5	17.5
35°	61.0	57.9	54.8	50.9	46.9	42.6	38.3	33.7	28.3	23.8	18.8
32.5°	63.6	60.6	57.3	53.7	49.8	45.7	41.0	37.0	32.1	27.5	22.6
30°	66.2	63.5	60.9	57.5	53.8	50.6	47.1	44.0	40.5	35.7	30.5
27.5°	69.6	67.8	65.8	62.2	60.5	58.6	57.4	55.2	51.5	47.2	37.1
25°	73.8	73.3	70.3	69.4	69.6	70.0	68.6	66.3	57.6	47.5	34.4
22.5°	79.2	78.3	77.3	78.8	80.9	82.3	78.9	71.9	56.1	39.5	29.9
20°	84.7	84.4	87.9	93.9	96.7	100.4	92.7	74.1	55.0	52.2	51.3
17.5°	102.2	94.5	106.4	123.3	131.8	120.9	107.0	83.2	74.1	74.8	72.1
15°	134.2	139.2	150.6	168.9	179.1	163.6	129.5	121.9	115.0	122.0	129.1
12.5°	178.1	208.1	256.6	297.4	240.7	222.2	217.1	201.4	206.1	212.5	226.4
10°	315.7	298.3	409.1	534.8	639.6	693.5	368.9	534.2	699.4	772.9	533.0
7.5°	668.6	905.5	1091.6	1149.2	1263.1	2341.1	3770.3	5362.3	7428.4	15502.8	17979.4
5°	1061.7	1666.7	2296.8	3167.1	3912.0	5659.4	9304.7	22345.8	37860.9	68278.7	112211.5
2.5°	2131.2	3003.6	3898.6	5484.2	7046.7	9924.0	15405.0	33603.7	68318.5	121970.0	178373.5
0°	4184.2	5686.5	7157.8	9694.8	12009.9	17607.0	28189.8	59664.6	115242.8	202985.3	297531.9
-2.5°	5581.6	7223.0	8941.6	11657.5	14926.1	21971.6	35815.0	73566.2	143747.4	247382.5	363766.5
-5°	6824.1	8679.4	10769.3	13767.8	17450.0	23853.1	38339.5	72855.3	142051.0	238856.5	345201.0
-7.5°	7948.6	9967.2	12377.1	15547.3	19508.8	25549.9	39766.5	72088.1	129725.1	215157.2	309454.2
-10°	8987.7	11027.2	13618.0	16774.3	20961.5	26754.5	36711.0	62670.4	109867.7	185726.1	270621.4
-12.5°	9805.4	11884.8	14517.3	17479.0	21641.6	27663.0	37074.2	56686.0	92808.7	146210.7	221288.5
-15°	10300.4	12552.5	15212.2	18290.1	22468.8	28102.5	35917.3	50536.0	77934.6	121562.5	174905.6
-17.5°	10478.1	12901.2	15614.4	18753.2	22603.8	27992.2	35978.7	47661.4	68985.5	103690.4	141153.7
-20°	10363.2	12882.6	15610.4	18744.3	22682.6	27771.0	34348.0	46158.1	64071.3	90400.5	120187.5



REPORT NUMBER: P1212087 (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°	10433.1	12621.9	15306.1	18479.7	22480.1	27167.3	33519.4	44007.6	58453.5	81285.7	106531.2
-25°	10461.1	12182.3	14937.8	18278.0	21965.9	26289.6	32713.9	40603.1	54987.4	74364.0	97078.5
-27.5°	10443.9	12156.0	14510.0	17709.8	21202.7	25473.3	30993.3	38253.7	50731.4	65435.2	85711.4
-30°	10435.2	12191.3	14318.5	16840.1	20364.8	24382.9	28740.8	36131.5	46068.3	58228.1	74439.8
-32.5°	9956.6	12185.9	14051.2	16325.1	19198.0	22863.2	27203.2	33528.7	41046.3	51359.3	63942.5
-35°	9167.3	11474.7	13802.1	15789.7	18149.1	21139.6	25340.1	30550.8	36264.6	44881.1	54366.8
-37.5°	8018.9	10339.0	12707.7	15111.2	17255.2	19660.4	23343.6	27535.5	32387.0	38919.4	46009.4
-40°	7407.2	8770.1	11157.3	13582.9	15907.5	18720.4	21653.1	24870.5	28980.1	33921.5	39068.2
-42.5°	7034.4	8193.6	9479.3	11527.1	13959.4	16839.3	19695.2	22623.3	26160.9	29922.1	33744.9
-45°	6537.6	7664.4	8859.5	10131.4	11791.3	14435.7	17186.2	20054.5	23207.9	26378.6	29270.6
-47.5°	6007.5	7028.5	8124.3	9281.3	10885.2	12707.9	14689.0	17031.2	19863.3	22708.3	25086.8
-50°	5455.7	6357.7	7342.7	8433.8	9831.4	11362.3	12996.9	15002.0	17150.5	19343.1	21006.8
-52.5°	4905.4	5696.7	6547.2	7545.4	8715.5	9973.7	11345.7	13113.7	14919.4	16734.8	17961.5
-55°	4449.5	5085.3	5757.8	6650.9	7619.7	8625.2	9784.0	11253.1	12767.5	14306.2	15349.2
-57.5°	3974.8	4523.3	5125.9	5863.8	6636.0	7436.1	8416.4	9556.8	10738.9	11909.2	12725.1
-60°	3484.7	3964.9	4505.8	5116.5	5764.2	6442.8	7238.2	8095.7	8984.0	9823.0	10428.8
-62.5°	2982.4	3379.9	3860.9	4372.0	4892.2	5438.1	6116.0	6803.8	7494.0	8097.1	8526.1
-65°	2519.9	2842.6	3237.3	3656.8	4095.5	4566.9	5109.4	5659.1	6211.1	6674.5	7023.5
-67.5°	2061.0	2328.5	2647.9	2973.7	3321.3	3711.4	4158.3	4608.6	5058.5	5422.1	5708.6
-70°	1651.6	1859.6	2102.4	2358.2	2637.7	2955.0	3312.4	3666.2	4014.5	4281.0	4497.1
-72.5°	1314.8	1482.8	1684.6	1901.3	2116.6	2367.8	2647.7	2929.6	3211.7	3421.8	3599.6
-75°	1054.0	1185.5	1343.9	1508.0	1676.5	1881.2	2103.7	2328.6	2554.3	2726.5	2880.2
-77.5°	868.1	977.5	1094.5	1213.3	1333.3	1485.2	1646.4	1808.2	1969.7	2099.5	2222.1
-80°	742.9	826.8	916.0	1006.6	1098.4	1218.8	1345.3	1473.3	1602.0	1706.5	1807.4
-82.5°	646.2	712.9	782.7	853.7	925.7	1018.9	1114.9	1211.8	1309.1	1392.5	1474.4
-85°	574.7	626.7	680.4	734.9	790.1	861.8	934.6	1007.6	1080.9	1148.6	1216.0
-87.5°	524.3	564.9	606.0	647.3	688.9	746.0	803.5	861.2	918.9	971.5	1023.8
-90°	41.4	38.4	35.3	32.3	29.2	26.1	23.1	20.0	16.9	14.3	11.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	919.3	962.3	976.0	989.6	976.0	962.3	919.3	876.3	833.2	790.2	746.0
87.5°	9.2	6.6	4.3	1.9	4.3	6.6	9.2	11.8	14.3	16.9	20.0
85°	8.5	5.6	3.8	1.9	3.8	5.6	8.5	11.3	14.1	17.0	20.1
82.5°	8.5	5.6	3.8	1.9	3.8	5.6	8.5	11.3	14.2	17.1	20.1
80°	8.6	5.7	3.8	1.9	3.8	5.7	8.6	11.4	14.3	17.2	20.3
77.5°	8.4	5.7	3.8	1.9	3.8	5.7	8.4	11.1	13.8	16.6	19.8
75°	8.5	5.8	3.3	0.9	3.3	5.8	8.5	11.2	13.8	16.7	20.0
72.5°	8.8	5.9	4.3	2.8	4.3	5.9	8.8	11.7	14.6	17.5	20.8
70°	8.7	5.9	3.9	1.9	3.9	5.9	8.7	11.5	14.4	17.4	20.9
67.5°	8.8	6.0	3.9	1.9	3.9	6.0	8.8	11.6	14.4	17.5	21.1
65°	9.0	6.1	3.5	0.9	3.5	6.1	9.0	11.9	14.7	17.8	21.3
62.5°	8.7	5.5	3.0	0.9	3.0	5.5	8.7	11.8	14.9	18.2	21.6
60°	9.3	6.4	4.0	1.9	4.0	6.4	9.3	12.3	15.3	18.7	22.1
57.5°	9.6	6.6	3.7	0.9	3.7	6.6	9.6	12.7	15.7	19.2	22.7
55°	9.9	6.7	3.8	0.9	3.8	6.7	9.9	13.0	16.2	19.8	23.4
52.5°	10.2	6.9	3.9	0.9	3.9	6.9	10.2	13.4	16.7	20.5	24.1
50°	10.5	7.2	3.7	0.0	3.7	7.2	10.5	13.9	17.4	21.2	25.0
47.5°	10.6	6.8	3.5	0.9	3.5	6.8	10.6	14.3	18.1	22.1	25.9
45°	11.3	7.7	4.2	0.9	4.2	7.7	11.3	14.9	18.9	23.0	27.0
42.5°	11.9	8.1	4.1	0.0	4.1	8.1	11.9	15.6	19.9	24.1	28.2
40°	12.4	8.5	4.5	0.9	4.5	8.5	12.4	16.4	21.1	25.4	29.7
37.5°	13.1	8.9	4.8	0.9	4.8	8.9	13.1	17.5	22.5	27.6	31.9
35°	13.8	9.4	4.9	0.0	4.9	9.4	13.8	18.8	23.8	28.3	33.7
32.5°	17.0	11.4	5.3	0.9	5.3	11.4	17.0	22.6	27.5	32.1	37.0
30°	23.7	16.6	8.4	0.0	8.4	16.6	23.7	30.5	35.7	40.5	44.0
27.5°	27.4	18.9	10.8	0.0	10.8	18.9	27.4	37.1	47.2	51.5	55.2
25°	23.3	16.3	12.6	5.6	12.6	16.3	23.3	34.4	47.5	57.6	66.3
22.5°	31.3	30.0	24.1	19.8	24.1	30.0	31.3	29.9	39.5	56.1	71.9
20°	49.9	46.9	44.5	40.4	44.5	46.9	49.9	51.3	52.2	55.0	74.1
17.5°	78.7	79.1	76.1	72.4	76.1	79.1	78.7	72.1	74.8	74.1	83.2
15°	134.6	132.9	126.4	121.3	126.4	132.9	134.6	129.1	122.0	115.0	121.9
12.5°	220.0	215.1	205.7	199.0	205.7	215.1	220.0	226.4	212.5	206.1	201.4
10°	826.7	868.4	618.2	378.2	618.2	868.4	826.7	533.0	772.9	699.4	534.2
7.5°	25622.2	34939.8	43667.5	50833.4	43667.5	34939.8	25622.2	17979.4	15502.8	7428.4	5362.3
5°	156844.4	206965.2	235661.9	255073.5	235661.9	206965.2	156844.4	112211.5	68278.7	37860.9	22345.8
2.5°	262713.0	344948.8	403520.0	441212.0	403520.0	344948.8	262713.0	178373.5	121970.0	68318.5	33603.7
0°	412556.9	529358.0	628965.0	676056.8	628965.0	529358.0	412556.9	297531.9	202985.3	115242.8	59664.6
-2.5°	491666.4	618658.3	715348.7	752627.1	715348.7	618658.3	491666.4	363766.5	247382.5	143747.4	73566.2
-5°	459402.5	552911.4	614692.1	634454.5	614692.1	552911.4	459402.5	345201.0	238856.5	142051.0	72855.3
-7.5°	407677.4	477810.0	520091.2	533555.4	520091.2	477810.0	407677.4	309454.2	215157.2	129725.1	72088.1
-10°	354545.7	417119.4	451041.3	465266.5	451041.3	417119.4	354545.7	270621.4	185726.1	109867.7	62670.4
-12.5°	290893.1	351649.7	386556.1	398107.8	386556.1	351649.7	290893.1	221288.5	146210.7	92808.7	56686.0
-15°	231717.1	283781.7	319345.9	335146.6	319345.9	283781.7	231717.1	174905.6	121562.5	77934.6	50536.0
-17.5°	186614.5	230479.2	259724.3	270894.2	259724.3	230479.2	186614.5	141153.7	103690.4	68985.5	47661.4
-20°	156106.8	190491.0	213440.0	223754.0	213440.0	190491.0	156106.8	120187.5	90400.5	64071.3	46158.1



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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°	137153.5	164722.7	186238.9	195144.6	186238.9	164722.7	137153.5	106531.2	81285.7	58453.5	44007.6
-25°	122633.8	145445.6	164835.8	173717.4	164835.8	145445.6	122633.8	97078.5	74364.0	54987.4	40603.1
-27.5°	107152.0	125557.3	142399.3	151018.4	142399.3	125557.3	107152.0	85711.4	65435.2	50731.4	38253.7
-30°	91288.6	105429.0	119091.5	122324.4	119091.5	105429.0	91288.6	74439.8	58228.1	46068.3	36131.5
-32.5°	76478.5	87016.7	96674.9	101569.8	96674.9	87016.7	76478.5	63942.5	51359.3	41046.3	33528.7
-35°	63328.5	71232.6	78094.4	80808.6	78094.4	71232.6	63328.5	54366.8	44881.1	36264.6	30550.8
-37.5°	52583.8	58654.2	63541.7	64968.2	63541.7	58654.2	52583.8	46009.4	38919.4	32387.0	27535.5
-40°	43652.6	48228.2	51834.2	52996.9	51834.2	48228.2	43652.6	39068.2	33921.5	28980.1	24870.5
-42.5°	36720.3	39615.5	41738.0	42486.5	41738.0	39615.5	36720.3	33744.9	29922.1	26160.9	22623.3
-45°	31476.9	33601.1	34947.1	35183.0	34947.1	33601.1	31476.9	29270.6	26378.6	23207.9	20054.5
-47.5°	26880.2	28545.2	29510.8	29680.8	29510.8	28545.2	26880.2	25086.8	22708.3	19863.3	17031.2
-50°	22324.5	23568.4	24259.8	24422.4	24259.8	23568.4	22324.5	21006.8	19343.1	17150.5	15002.0
-52.5°	18963.2	19876.2	20299.5	20356.7	20299.5	19876.2	18963.2	17961.5	16734.8	14919.4	13113.7
-55°	16315.6	17217.7	17520.7	17429.2	17520.7	17217.7	16315.6	15349.2	14306.2	12767.5	11253.1
-57.5°	13505.6	14238.8	14648.5	14866.8	14648.5	14238.8	13505.6	12725.1	11909.2	10738.9	9556.8
-60°	11012.5	11563.5	11790.4	11856.5	11790.4	11563.5	11012.5	10428.8	9823.0	8984.0	8095.7
-62.5°	8928.1	9299.8	9480.1	9578.2	9480.1	9299.8	8928.1	8526.1	8097.1	7494.0	6803.8
-65°	7352.7	7659.4	7759.8	7790.8	7759.8	7659.4	7352.7	7023.5	6674.5	6211.1	5659.1
-67.5°	5978.1	6228.2	6243.2	6194.5	6243.2	6228.2	5978.1	5708.6	5422.1	5058.5	4608.6
-70°	4700.8	4891.2	4937.6	4950.9	4937.6	4891.2	4700.8	4497.1	4281.0	4014.5	3666.2
-72.5°	3769.1	3929.6	3966.7	3982.0	3966.7	3929.6	3769.1	3599.6	3421.8	3211.7	2929.6
-75°	3027.1	3166.9	3183.2	3182.4	3183.2	3166.9	3027.1	2880.2	2726.5	2554.3	2328.6
-77.5°	2341.9	2458.2	2481.8	2496.6	2481.8	2458.2	2341.9	2222.1	2099.5	1969.7	1808.2
-80°	1906.5	2003.6	2010.3	2011.2	2010.3	2003.6	1906.5	1807.4	1706.5	1602.0	1473.3
-82.5°	1555.3	1635.0	1649.5	1661.3	1649.5	1635.0	1555.3	1474.4	1392.5	1309.1	1211.8
-85°	1283.0	1349.6	1368.7	1386.6	1368.7	1349.6	1283.0	1216.0	1148.6	1080.9	1007.6
-87.5°	1076.1	1128.1	1143.2	1158.0	1143.2	1128.1	1076.1	1023.8	971.5	918.9	861.2
-90°	9.2	6.6	4.7	2.8	4.7	6.6	9.2	11.8	14.3	16.9	20.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	701.8	657.5	613.3	581.1	548.9	516.7	484.5	463.6	442.6	421.7	400.7
87.5°	23.1	26.1	29.2	32.3	35.3	38.4	41.4	44.5	47.5	50.6	53.6
85°	23.1	26.2	29.3	32.4	35.4	38.5	41.5	44.6	47.6	50.7	53.7
82.5°	23.2	26.3	29.4	32.5	35.6	38.6	41.7	44.7	47.8	50.8	53.9
80°	23.4	26.5	29.6	32.7	35.8	38.8	41.9	45.0	48.0	51.1	54.1
77.5°	22.9	26.1	29.4	32.6	35.9	39.1	42.2	45.3	48.3	51.4	54.4
75°	23.2	26.5	29.6	32.8	36.0	39.3	42.5	45.6	48.7	51.8	54.7
72.5°	24.0	27.3	30.5	33.6	36.8	39.9	43.0	46.1	49.1	52.2	55.1
70°	24.3	27.7	30.9	34.1	37.2	40.3	43.5	46.6	49.7	52.7	55.6
67.5°	24.6	28.1	31.4	34.6	37.7	40.9	44.0	47.1	50.2	53.3	56.2
65°	24.8	28.4	31.9	35.1	38.3	41.5	44.7	47.8	50.9	54.0	56.8
62.5°	24.9	28.2	31.9	35.5	38.9	42.2	45.4	48.6	51.7	54.7	57.5
60°	25.5	28.9	32.6	36.1	39.7	43.0	46.2	49.4	52.5	55.4	58.2
57.5°	26.2	29.7	33.4	37.0	40.6	43.9	47.1	50.3	53.4	56.3	59.1
55°	26.9	30.6	34.3	38.0	41.6	44.9	48.1	51.3	54.4	57.2	60.0
52.5°	27.8	31.6	35.4	39.1	42.7	46.0	49.2	52.4	55.4	58.2	61.0
50°	28.7	32.7	36.6	40.3	44.0	47.3	50.5	53.7	56.5	59.4	62.1
47.5°	29.9	33.9	37.9	41.7	45.3	49.0	52.2	55.0	57.9	60.6	63.3
45°	31.2	35.3	39.3	43.1	46.6	50.2	54.1	57.0	59.6	62.3	64.6
42.5°	32.6	36.8	40.9	44.6	48.1	51.5	55.0	58.5	61.4	64.1	66.4
40°	34.2	38.5	42.6	46.3	49.9	53.3	56.6	59.8	63.0	65.7	68.0
37.5°	36.1	40.4	44.6	48.6	52.1	55.3	58.6	61.6	64.6	67.3	69.5
35°	38.3	42.6	46.9	50.9	54.8	57.9	61.0	63.8	66.5	68.9	71.2
32.5°	41.0	45.7	49.8	53.7	57.3	60.6	63.6	66.6	68.6	70.8	72.8
30°	47.1	50.6	53.8	57.5	60.9	63.5	66.2	69.1	71.2	72.9	74.7
27.5°	57.4	58.6	60.5	62.2	65.8	67.8	69.6	71.9	73.9	75.5	77.0
25°	68.6	70.0	69.6	69.4	70.3	73.3	73.8	75.5	77.1	78.2	80.0
22.5°	78.9	82.3	80.9	78.8	77.3	78.3	79.2	79.4	81.1	82.4	83.4
20°	92.7	100.4	96.7	93.9	87.9	84.4	84.7	86.9	88.3	87.8	87.1
17.5°	107.0	120.9	131.8	123.3	106.4	94.5	102.2	102.6	97.8	94.0	91.2
15°	129.5	163.6	179.1	168.9	150.6	139.2	134.2	123.6	110.6	102.1	105.5
12.5°	217.1	222.2	240.7	297.4	256.6	208.1	178.1	152.5	150.1	161.8	158.7
10°	368.9	693.5	639.6	534.8	409.1	298.3	315.7	314.4	291.7	256.5	221.3
7.5°	3770.3	2341.1	1263.1	1149.2	1091.6	905.5	668.6	543.6	451.2	361.6	290.5
5°	9304.7	5659.4	3912.0	3167.1	2296.8	1666.7	1061.7	790.1	621.7	472.8	367.1
2.5°	15405.0	9924.0	7046.7	5484.2	3898.6	3003.6	2131.2	1693.4	1412.6	1150.9	947.3
0°	28189.8	17607.0	12009.9	9694.8	7157.8	5686.5	4184.2	3161.7	2495.7	1942.5	1532.4
-2.5°	35815.0	21971.6	14926.1	11657.5	8941.6	7223.0	5581.6	4139.2	3216.8	2601.4	2137.6
-5°	38339.5	23853.1	17450.0	13767.8	10769.3	8679.4	6824.1	5191.9	4035.1	3282.8	2719.1
-7.5°	39766.5	25549.9	19508.8	15547.3	12377.1	9967.2	7948.6	6333.3	5077.1	4156.7	3408.5
-10°	36711.0	26754.5	20961.5	16774.3	13618.0	11027.2	8987.7	7372.9	6028.2	4951.6	4041.6
-12.5°	37074.2	27663.0	21641.6	17479.0	14517.3	11884.8	9805.4	8182.1	6869.0	5647.8	4604.1
-15°	35917.3	28102.5	22468.8	18290.1	15212.2	12552.5	10300.4	8443.7	7229.8	6130.3	5084.7
-17.5°	35978.7	27992.2	22603.8	18753.2	15614.4	12901.2	10478.1	8663.1	7431.2	6306.6	5216.0
-20°	34348.0	27771.0	22682.6	18744.3	15610.4	12882.6	10363.2	8775.7	7572.4	6344.4	5133.3



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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°	33519.4	27167.3	22480.1	18479.7	15306.1	12621.9	10433.1	8902.7	7647.3	6227.4	4938.9
-25°	32713.9	26289.6	21965.9	18278.0	14937.8	12182.3	10461.1	9043.0	7515.3	5947.4	4657.6
-27.5°	30993.3	25473.3	21202.7	17709.8	14510.0	12156.0	10443.9	8999.6	7206.5	5599.8	4455.6
-30°	28740.8	24382.9	20364.8	16840.1	14318.5	12191.3	10435.2	8476.3	6688.1	5197.6	4301.5
-32.5°	27203.2	22863.2	19198.0	16325.1	14051.2	12185.9	9956.6	7725.0	5964.9	5025.3	4177.0
-35°	25340.1	21139.6	18149.1	15789.7	13802.1	11474.7	9167.3	6948.9	5654.6	4846.5	4021.8
-37.5°	23343.6	19660.4	17255.2	15111.2	12707.7	10339.0	8018.9	6539.7	5524.2	4631.0	3865.1
-40°	21653.1	18720.4	15907.5	13582.9	11157.3	8770.1	7407.2	6333.8	5311.1	4392.8	3676.0
-42.5°	19695.2	16839.3	13959.4	11527.1	9479.3	8193.6	7034.4	5983.8	5025.9	4173.5	3472.0
-45°	17186.2	14435.7	11791.3	10131.4	8859.5	7664.4	6537.6	5563.2	4680.7	3923.8	3240.6
-47.5°	14689.0	12707.9	10885.2	9281.3	8124.3	7028.5	6007.5	5080.9	4331.7	3640.6	3057.3
-50°	12996.9	11362.3	9831.4	8433.8	7342.7	6357.7	5455.7	4636.6	3975.4	3393.1	2849.3
-52.5°	11345.7	9973.7	8715.5	7545.4	6547.2	5696.7	4905.4	4246.3	3657.9	3123.9	2629.0
-55°	9784.0	8625.2	7619.7	6650.9	5757.8	5085.3	4449.5	3860.4	3320.5	2831.6	2401.1
-57.5°	8416.4	7436.1	6636.0	5863.8	5125.9	4523.3	3974.8	3450.1	2972.8	2552.0	2160.7
-60°	7238.2	6442.8	5764.2	5116.5	4505.8	3964.9	3484.7	3037.1	2625.2	2264.2	1926.3
-62.5°	6116.0	5438.1	4892.2	4372.0	3860.9	3379.9	2982.4	2624.4	2287.2	1971.2	1679.8
-65°	5109.4	4566.9	4095.5	3656.8	3237.3	2842.6	2519.9	2219.6	1942.0	1682.5	1424.2
-67.5°	4158.3	3711.4	3321.3	2973.7	2647.9	2328.5	2061.0	1815.5	1596.1	1383.3	1168.8
-70°	3312.4	2955.0	2637.7	2358.2	2102.4	1859.6	1651.6	1460.3	1268.5	1098.8	948.3
-72.5°	2647.7	2367.8	2116.6	1901.3	1684.6	1482.8	1314.8	1170.6	1027.3	885.5	764.3
-75°	2103.7	1881.2	1676.5	1508.0	1343.9	1185.5	1054.0	945.9	839.9	736.4	643.3
-77.5°	1646.4	1485.2	1333.3	1213.3	1094.5	977.5	868.1	780.1	702.9	629.3	564.2
-80°	1345.3	1218.8	1098.4	1006.6	916.0	826.8	742.9	678.5	616.6	559.6	509.4
-82.5°	1114.9	1018.9	925.7	853.7	782.7	712.9	646.2	599.3	554.0	510.3	469.4
-85°	934.6	861.8	790.1	734.9	680.4	626.7	574.7	540.8	507.6	475.1	443.8
-87.5°	803.5	746.0	688.9	647.3	606.0	564.9	524.3	498.4	472.6	447.0	421.8
-90°	23.1	26.1	29.2	32.3	35.3	38.4	41.4	44.5	47.5	50.6	53.6



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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°	383.6	366.4	349.2	332.1	310.7	289.3	267.9	246.5	223.0	199.4	175.9
87.5°	56.5	59.3	62.1	64.9	67.3	69.6	72.0	74.3	76.0	77.6	79.3
85°	56.5	59.4	62.2	65.0	67.3	69.7	72.0	74.4	76.0	77.6	79.3
82.5°	56.7	59.5	62.3	65.1	67.5	69.8	72.1	74.4	76.1	77.7	79.3
80°	56.9	59.7	62.6	65.3	67.6	70.0	72.3	74.5	76.2	77.8	79.4
77.5°	57.2	60.0	62.8	65.5	67.8	70.2	72.5	74.6	76.3	77.9	79.5
75°	57.5	60.4	63.2	65.8	68.1	70.4	72.7	74.8	76.4	78.0	79.6
72.5°	57.9	60.8	63.5	66.1	68.4	70.7	73.0	75.0	76.6	78.2	79.8
70°	58.4	61.2	64.0	66.5	68.7	71.0	73.3	75.2	76.8	78.3	79.9
67.5°	59.0	61.8	64.5	66.9	69.1	71.4	73.7	75.4	77.0	78.5	80.1
65°	59.6	62.4	65.1	67.3	69.6	71.8	74.1	75.7	77.2	78.8	80.3
62.5°	60.3	63.0	65.6	67.9	70.1	72.3	74.4	76.0	77.5	79.0	80.5
60°	61.0	63.8	66.2	68.4	70.6	72.8	74.8	76.3	77.8	79.3	80.7
57.5°	61.9	64.6	66.9	69.1	71.2	73.4	75.2	76.6	78.1	79.5	81.0
55°	62.8	65.4	67.6	69.8	71.9	74.0	75.6	77.0	78.4	79.8	81.1
52.5°	63.8	66.2	68.3	70.5	72.6	74.6	76.1	77.4	78.8	80.2	81.4
50°	64.8	67.2	69.3	71.3	73.3	75.2	76.7	78.0	79.2	80.5	81.6
47.5°	65.8	68.2	70.5	72.2	74.2	75.8	77.3	78.6	79.6	80.9	81.9
45°	66.9	69.0	71.5	73.5	74.9	76.4	77.9	79.3	80.2	81.3	82.2
42.5°	68.3	70.2	72.3	75.0	75.9	77.1	78.5	79.9	80.9	81.7	82.6
40°	69.8	71.7	73.2	75.5	77.1	77.8	79.2	80.5	81.7	82.2	83.0
37.5°	71.3	73.2	74.8	76.2	78.1	78.9	79.9	81.2	82.5	83.0	83.4
35°	73.0	74.6	76.3	77.4	79.0	80.0	80.6	81.8	83.2	83.8	83.9
32.5°	74.9	76.1	77.6	78.7	80.0	81.1	81.5	82.8	84.0	84.7	84.4
30°	76.6	77.9	79.0	80.1	81.2	82.2	82.8	84.0	84.8	85.6	85.0
27.5°	78.4	79.7	80.5	81.4	82.4	83.4	84.7	85.4	85.7	86.5	85.7
25°	80.7	81.6	82.3	82.9	83.6	86.1	86.8	86.9	86.8	87.2	86.5
22.5°	83.7	83.7	84.0	84.5	87.2	89.2	89.1	88.7	88.1	88.0	87.4
20°	87.1	86.1	87.1	90.3	91.5	92.5	91.7	90.6	89.5	88.9	88.2
17.5°	90.8	95.0	97.7	97.5	96.5	96.0	94.5	92.6	90.9	89.7	89.0
15°	114.7	114.5	110.5	105.9	102.0	99.8	97.5	94.6	92.4	90.6	90.7
12.5°	148.9	137.4	124.9	115.1	107.8	103.8	100.7	96.7	94.0	93.0	93.3
10°	187.5	162.9	140.5	125.1	113.9	108.0	103.9	100.6	98.5	96.6	95.9
7.5°	229.3	190.1	157.0	135.5	125.5	121.4	115.7	108.7	103.6	100.4	98.5
5°	339.5	300.1	245.6	201.8	167.9	145.5	129.2	117.0	108.6	104.3	101.2
2.5°	742.0	543.9	382.7	278.8	211.5	170.2	142.8	125.4	113.6	108.1	103.7
0°	1148.6	789.2	520.2	355.6	254.9	194.7	156.2	133.6	118.5	111.9	106.3
-2.5°	1678.3	1231.5	943.4	646.6	402.2	283.8	215.6	162.7	134.4	121.9	112.9
-5°	2184.9	1664.3	1348.9	921.5	543.3	369.8	272.4	190.7	149.9	131.7	119.4
-7.5°	2717.1	2085.8	1688.8	1158.9	673.4	450.9	324.7	216.9	164.7	141.2	125.7
-10°	3206.9	2472.8	1931.0	1309.8	809.5	544.4	375.3	240.5	178.5	150.1	131.7
-12.5°	3625.8	2810.8	2125.2	1436.8	934.5	647.3	449.8	285.4	194.1	158.4	137.4
-15°	3961.2	3089.4	2262.3	1537.6	1042.7	739.2	516.0	336.2	228.7	172.0	142.7
-17.5°	4145.6	3299.5	2334.9	1610.1	1131.7	818.7	572.5	379.8	258.9	191.6	152.0
-20°	4085.0	3300.3	2349.6	1652.5	1199.8	884.1	618.4	414.9	284.2	209.0	164.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3987.4	3163.2	2341.3	1709.8	1256.0	934.4	652.7	440.6	303.9	224.0	174.5
-25°	3839.3	3020.5	2309.7	1741.7	1306.8	969.9	678.7	456.2	317.5	236.2	183.6
-27.5°	3660.6	2897.7	2265.6	1753.2	1338.1	989.3	695.4	472.2	327.4	245.5	191.0
-30°	3486.7	2830.2	2247.4	1751.3	1348.6	996.8	697.6	479.4	338.0	253.5	196.8
-32.5°	3381.7	2752.8	2217.3	1745.7	1343.2	990.5	693.9	477.2	344.3	260.0	202.0
-35°	3306.8	2691.1	2165.8	1714.4	1321.8	982.7	692.2	465.1	346.1	263.8	206.3
-37.5°	3186.3	2611.6	2105.5	1664.8	1282.3	963.7	691.0	473.4	343.3	265.0	209.4
-40°	3055.4	2506.1	2022.6	1602.3	1243.5	933.5	679.5	480.0	340.5	263.5	211.3
-42.5°	2886.7	2386.5	1932.8	1521.9	1197.7	908.6	659.7	477.0	344.0	262.8	211.9
-45°	2723.1	2250.9	1827.9	1460.6	1142.1	871.9	644.1	465.8	342.5	261.9	212.4
-47.5°	2540.0	2110.5	1721.7	1380.5	1086.3	827.0	616.5	455.6	335.2	259.6	213.6
-50°	2360.2	1962.2	1608.2	1296.5	1017.8	779.0	581.6	437.7	331.4	257.8	213.8
-52.5°	2186.5	1809.5	1489.4	1201.9	944.1	717.4	549.3	413.9	323.2	256.6	213.0
-55°	2000.1	1655.0	1364.3	1098.1	858.6	662.5	508.2	396.4	310.8	254.9	211.3
-57.5°	1814.9	1497.8	1227.5	982.5	775.9	603.2	471.5	373.8	303.0	251.6	209.4
-60°	1614.9	1330.2	1077.3	871.2	691.5	545.8	435.8	352.0	295.4	247.0	207.2
-62.5°	1404.5	1151.0	938.2	757.4	611.5	493.2	399.0	338.9	285.8	242.9	204.5
-65°	1191.0	979.4	793.7	656.7	536.4	442.1	379.0	323.5	278.1	237.9	201.5
-67.5°	971.7	818.4	675.1	556.0	475.6	411.1	355.8	311.1	270.0	231.9	199.0
-70°	807.2	674.0	570.5	494.7	431.7	378.8	339.1	299.5	260.9	228.1	196.0
-72.5°	670.0	582.4	502.1	438.0	398.0	359.6	322.9	288.0	255.6	223.8	192.6
-75°	566.0	507.9	455.5	410.4	374.1	339.7	310.7	281.1	249.8	219.0	190.4
-77.5°	514.2	466.6	421.7	385.8	357.5	329.5	301.7	273.6	244.3	216.1	188.3
-80°	472.0	436.4	402.9	372.1	345.2	318.6	293.4	268.1	240.4	213.0	185.9
-82.5°	439.3	411.9	385.5	359.9	335.4	311.1	287.0	262.9	236.1	209.5	183.4
-85°	419.6	395.8	372.3	349.2	326.1	303.0	280.3	257.6	231.9	206.5	181.3
-87.5°	401.1	380.7	360.5	340.5	318.4	296.4	274.3	252.3	227.6	203.1	178.8
-90°	56.4	59.3	62.1	64.9	67.3	69.6	72.0	74.3	76.0	77.6	79.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	152.4	138.5	124.6	110.8	96.9	91.7	86.5
87.5°	80.9	82.1	83.3	84.4	85.6	86.1	86.5
85°	80.9	82.1	83.3	84.4	85.6	86.1	86.5
82.5°	81.0	82.1	83.3	84.5	85.6	86.1	86.5
80°	81.0	82.2	83.3	84.5	85.6	86.1	86.5
77.5°	81.1	82.2	83.4	84.5	85.6	86.1	86.5
75°	81.1	82.3	83.4	84.5	85.6	86.1	86.5
72.5°	81.2	82.3	83.5	84.6	85.6	86.1	86.5
70°	81.3	82.4	83.5	84.6	85.7	86.1	86.5
67.5°	81.4	82.5	83.6	84.7	85.7	86.1	86.5
65°	81.5	82.6	83.7	84.8	85.7	86.1	86.5
62.5°	81.7	82.7	83.8	84.8	85.7	86.1	86.5
60°	81.8	82.8	83.9	84.9	85.7	86.1	86.5
57.5°	82.0	83.0	84.0	85.0	85.8	86.1	86.5
55°	82.1	83.1	84.1	85.1	85.8	86.1	86.5
52.5°	82.3	83.3	84.2	85.1	85.9	86.1	86.5
50°	82.5	83.4	84.3	85.2	85.9	86.2	86.5
47.5°	82.7	83.6	84.5	85.3	86.0	86.2	86.5
45°	83.0	83.8	84.6	85.5	86.1	86.2	86.5
42.5°	83.3	83.9	84.8	85.6	86.2	86.2	86.5
40°	83.6	84.1	84.9	85.7	86.3	86.2	86.5
37.5°	84.0	84.3	85.1	85.9	86.4	86.2	86.5
35°	84.3	84.6	85.2	86.1	86.5	86.2	86.5
32.5°	84.7	84.9	85.4	86.3	86.6	86.3	86.5
30°	85.2	85.2	85.6	86.6	86.7	86.3	86.5
27.5°	85.6	85.6	86.1	86.8	86.9	86.3	86.5
25°	86.0	85.9	86.6	87.1	87.0	86.3	86.5
22.5°	86.5	86.4	87.3	87.4	87.1	86.3	86.5
20°	87.0	87.5	87.9	87.7	87.3	86.3	86.5
17.5°	88.2	88.6	88.7	88.0	87.4	86.4	86.5
15°	90.0	89.8	89.4	88.3	87.6	86.4	86.5
12.5°	91.9	91.0	90.2	88.7	87.7	86.4	86.5
10°	93.8	92.2	91.0	89.0	87.9	86.4	86.5
7.5°	95.8	93.4	91.8	89.3	88.0	86.4	86.5
5°	97.7	94.6	92.6	89.7	88.1	86.5	86.5
2.5°	99.7	95.7	93.3	90.0	88.3	86.5	86.5
0°	101.6	96.9	94.1	90.3	88.4	86.5	86.5
-2.5°	106.1	99.5	95.9	91.5	89.1	86.8	86.5
-5°	110.5	102.0	97.7	92.6	89.7	87.1	86.5
-7.5°	114.7	104.5	99.4	93.8	90.3	87.4	86.5
-10°	118.7	107.0	101.1	94.9	91.0	87.6	86.5
-12.5°	122.4	109.3	102.7	95.9	91.6	87.9	86.5
-15°	125.8	111.5	104.2	97.0	92.2	88.2	86.5
-17.5°	128.8	113.7	105.6	98.0	92.7	88.5	86.5
-20°	133.3	115.7	107.0	98.9	93.3	88.7	86.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	140.3	117.6	108.2	99.8	93.8	89.0	86.5
-25°	146.7	121.8	109.4	100.7	94.3	89.2	86.5
-27.5°	152.3	126.6	110.5	101.4	94.8	89.5	86.5
-30°	157.1	131.1	111.6	102.2	95.2	89.7	86.5
-32.5°	161.1	135.1	114.4	102.8	95.6	89.9	86.5
-35°	165.4	138.7	116.9	103.4	96.0	90.1	86.5
-37.5°	169.5	141.8	119.2	103.9	96.3	90.3	86.5
-40°	172.9	144.5	121.1	104.4	96.7	90.5	86.5
-42.5°	175.5	146.6	122.9	105.1	96.9	90.7	86.5
-45°	177.5	148.4	124.6	106.3	97.2	90.9	86.5
-47.5°	178.6	149.6	126.0	107.4	97.4	91.0	86.5
-50°	179.3	150.4	127.2	108.4	97.6	91.2	86.5
-52.5°	179.4	150.7	128.0	109.4	97.7	91.3	86.5
-55°	178.9	151.1	128.6	110.2	97.8	91.4	86.5
-57.5°	177.7	151.2	129.0	110.9	97.9	91.5	86.5
-60°	176.0	150.9	129.1	111.4	97.9	91.6	86.5
-62.5°	174.6	150.2	129.4	111.8	98.0	91.7	86.5
-65°	172.7	149.2	129.6	112.1	98.1	91.7	86.5
-67.5°	170.4	148.3	129.6	112.3	98.1	91.8	86.5
-70°	167.6	147.7	129.4	112.4	98.1	91.8	86.5
-72.5°	166.0	146.9	129.0	112.5	98.0	91.9	86.5
-75°	164.2	145.8	128.5	112.5	97.9	91.9	86.5
-77.5°	162.2	144.6	128.1	112.5	97.8	91.9	86.5
-80°	159.9	143.5	127.7	112.3	97.7	91.9	86.5
-82.5°	158.2	142.5	127.1	112.1	97.5	91.8	86.5
-85°	156.5	141.3	126.4	111.7	97.3	91.8	86.5
-87.5°	154.5	140.0	125.6	111.3	97.1	91.8	86.5
-90°	80.9	82.1	83.3	84.4	85.6	86.1	86.5

(END OF REPORT)