

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: P1212093 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-3S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212093 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-80-3S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

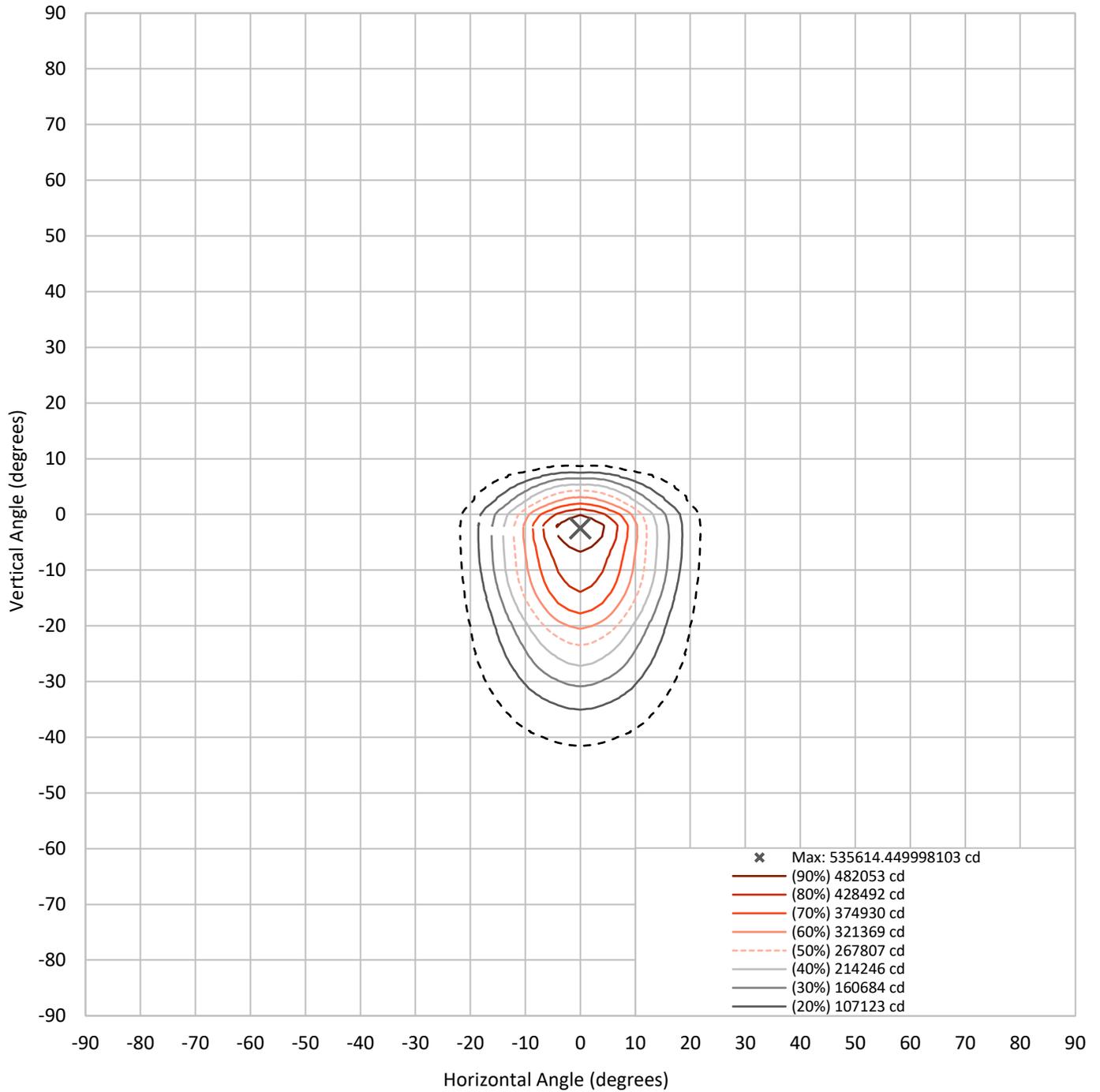
Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	131978.1 lumens	Max Intensity:	535614.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	126.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	24.4°H x 27.8°V	Field Angle (10%):	43.8°H x 50.3°V
Beam Lumens:	61958.8 lumens	Field Lumens:	110226.6 lumens
Beam Efficiency:	46.9%	Field Efficiency:	83.5%

Input Watts (W): 1041
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-40-80-3S-ECV

Iso-Candela Plot





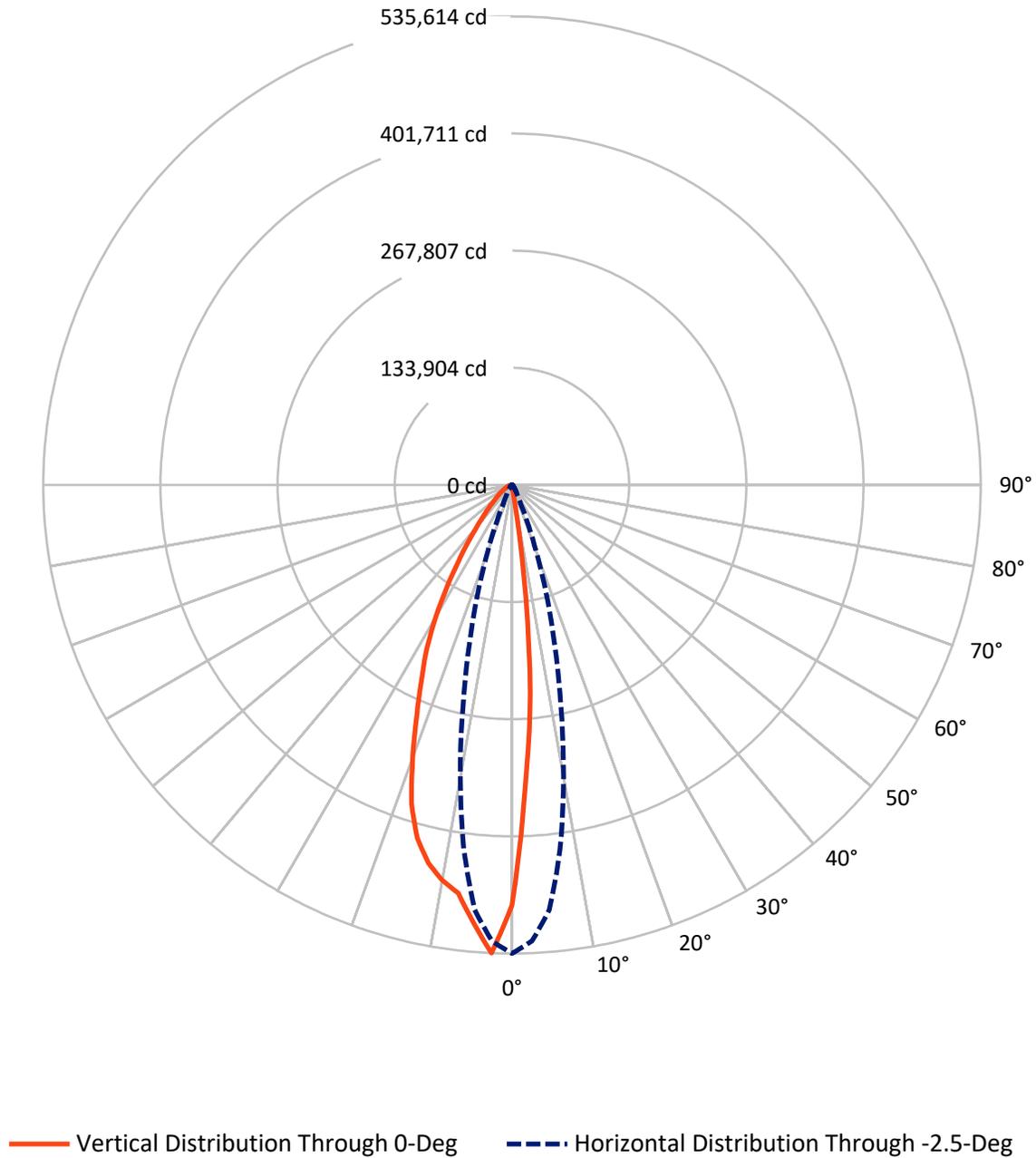
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 CATALOG NUMBER: EPH-LS12-1000R-40-80-3S-ECV

Lumen Table

90	2.2	5.9	7.0	6.1	4.7	6.1	7.0	5.9	2.2							
80	2.2	1.2	1.5	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.5	1.2	2.2
70	2.2	1.2	1.5	1.6	1.5	1.2	0.7	0.3	0.3	0.7	1.2	1.5	1.6	1.5	1.2	2.2
60	2.2	1.3	1.6	1.7	1.6	1.4	0.9	0.3	0.3	0.9	1.4	1.6	1.7	1.6	1.3	2.2
50	2.2	1.3	1.7	1.9	1.9	1.6	1.1	0.4	0.4	1.1	1.6	1.9	1.9	1.7	1.3	2.2
40	2.3	1.4	1.8	2.1	2.3	2.3	1.7	0.6	0.6	1.7	2.3	2.3	2.1	1.8	1.4	2.3
30	2.3	1.5	2.2	3.3	4.7	8.6	14.1	16.3	16.3	14.1	8.6	4.7	3.3	2.2	1.5	2.3
20	2.6	1.9	5.5	17.2	54.8	348.3	2335.9	6007.7	6007.7	2335.9	348.3	54.8	17.2	5.5	1.9	2.6
10	2.6	3.5	20.1	67.0	189.2	891.0	5588.7	13130.9	13130.9	5588.7	891.0	189.2	67.0	20.1	3.5	2.6
0	2.6	3.5	20.1	67.0	189.2	891.0	5588.7	13130.9	13130.9	5588.7	891.0	189.2	67.0	20.1	3.5	2.6
-10	3.5	6.1	32.7	111.2	264.1	873.1	4527.7	10813.3	10813.3	4527.7	873.1	264.1	111.2	32.7	6.1	3.5
-20	3.5	8.0	36.5	116.8	287.0	751.1	2792.9	6455.9	6455.9	2792.9	751.1	287.0	116.8	36.5	8.0	3.5
-30	4.3	8.4	35.4	104.1	256.4	567.1	1478.6	2943.5	2943.5	1478.6	567.1	256.4	104.1	35.4	8.4	4.3
-40	4.3	7.7	30.3	84.3	187.9	370.8	717.5	1110.5	1110.5	717.5	370.8	187.9	84.3	30.3	7.7	4.3
-50	4.3	6.1	21.6	59.0	124.8	222.5	363.9	486.1	486.1	363.9	222.5	124.8	59.0	21.6	6.1	4.3
-60	4.3	4.6	11.9	31.7	66.4	114.0	172.1	212.7	212.7	172.1	114.0	66.4	31.7	11.9	4.6	4.3
-70	4.3	4.6	11.9	31.7	66.4	114.0	172.1	212.7	212.7	172.1	114.0	66.4	31.7	11.9	4.6	4.3
-80	3.8	18.3	53.9	135.5	194.9	135.5	53.9	18.3	3.8							
-90	3.8	18.3	53.9	135.5	194.9	135.5	53.9	18.3	3.8							

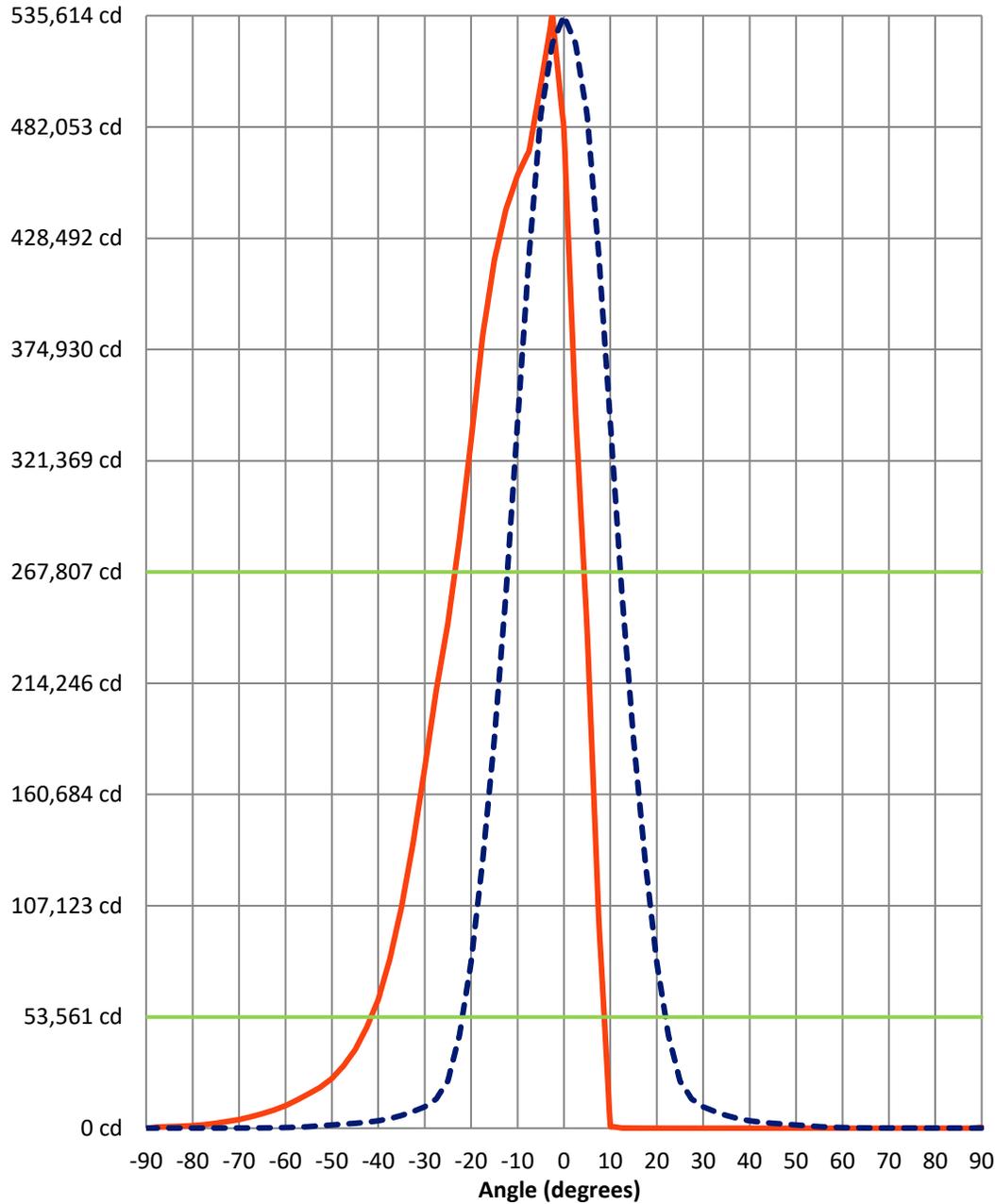
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CATALOG NUMBER: EPH-LS12-1000R-40-80-3S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 24.4°
 V Angle: 27.8°
 Lumens: 61958.8
 Efficiency: 46.9%

Field:
 H Angle: 43.8°
 V Angle: 50.3°
 Lumens: 110226.6
 Efficiency: 83.5%

Spill:
 Lumens: 21751.5
 Efficiency: 16.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	109.1	115.2	121.3	138.2	155.2	172.1	189.1	203.7	218.2	232.8	247.4
87.5°	109.1	107.7	106.4	105.0	103.5	102.1	100.6	98.5	96.4	94.3	92.2
85°	109.1	107.7	106.5	105.1	103.6	102.2	100.6	98.6	96.5	94.4	92.3
82.5°	109.1	107.8	106.6	105.2	103.7	102.2	100.7	98.6	96.5	94.4	92.4
80°	109.1	107.8	106.6	105.3	103.9	102.3	100.7	98.7	96.6	94.6	92.5
77.5°	109.1	107.8	106.7	105.4	104.0	102.4	100.8	98.8	96.8	94.7	92.6
75°	109.1	107.9	106.8	105.6	104.1	102.4	100.9	99.0	96.9	94.9	92.8
72.5°	109.1	107.9	106.9	105.7	104.1	102.5	101.0	99.1	97.1	95.1	93.1
70°	109.1	107.9	107.0	105.8	104.1	102.5	101.1	99.3	97.3	95.3	93.3
67.5°	109.1	108.0	107.1	105.8	104.1	102.6	101.3	99.6	97.6	95.6	93.6
65°	109.1	108.0	107.3	105.8	104.1	102.7	101.4	99.8	97.9	95.9	94.0
62.5°	109.1	108.0	107.4	105.8	104.2	102.9	101.6	100.1	98.2	96.3	94.3
60°	109.1	108.1	107.5	105.8	104.2	103.1	101.9	100.4	98.5	96.6	94.7
57.5°	109.1	108.1	107.4	105.8	104.4	103.4	102.1	100.7	98.9	97.0	95.3
55°	109.1	108.2	107.4	105.9	104.6	103.6	102.3	100.9	99.3	97.5	95.9
52.5°	109.1	108.2	107.4	105.9	104.9	103.9	102.6	101.3	99.7	98.2	96.6
50°	109.1	108.2	107.4	105.9	105.1	104.1	102.8	101.6	100.2	98.9	97.2
47.5°	109.1	108.3	107.5	106.0	105.4	104.4	103.1	102.0	100.9	99.7	97.9
45°	109.1	108.3	107.5	106.2	105.7	104.6	103.5	102.4	101.6	100.4	98.5
42.5°	109.1	108.4	107.5	106.4	106.0	104.9	103.9	102.9	102.2	101.0	99.3
40°	109.1	108.4	107.6	106.7	106.2	105.1	104.4	103.5	102.8	101.7	100.0
37.5°	109.1	108.5	107.6	106.9	106.5	105.4	104.8	104.0	103.4	102.3	100.8
35°	109.1	108.5	107.7	107.2	106.7	105.8	105.3	104.6	104.0	103.1	101.6
32.5°	109.1	108.6	107.7	107.4	106.9	106.2	105.8	105.1	104.7	103.9	102.7
30°	109.1	108.6	107.8	107.7	107.2	106.6	106.2	105.6	105.5	104.8	103.9
27.5°	109.1	108.6	107.9	107.9	107.6	107.0	106.7	106.3	106.3	105.9	105.2
25°	109.1	108.7	108.0	108.2	108.1	107.5	107.2	106.9	107.2	107.0	106.7
22.5°	109.1	108.7	108.1	108.5	108.7	108.1	107.6	107.7	108.1	108.3	108.4
20°	109.1	108.8	108.2	108.8	109.3	109.2	108.0	108.4	109.0	109.6	110.2
17.5°	109.1	108.8	108.3	109.1	109.9	110.3	109.2	109.1	110.0	111.0	112.0
15°	109.1	108.9	108.4	109.4	110.6	111.4	110.9	110.7	111.0	112.5	113.9
12.5°	109.1	108.9	108.5	109.6	111.3	112.6	112.8	113.4	113.5	114.0	115.8
10°	109.1	108.9	108.6	109.9	112.0	113.8	114.6	116.1	117.3	118.9	120.1
7.5°	109.1	109.0	108.7	110.2	112.7	115.0	116.5	118.8	121.1	124.4	130.0
5°	109.1	109.0	108.9	110.5	113.4	116.2	118.5	121.6	124.9	130.0	140.2
2.5°	109.1	109.1	109.0	110.7	114.1	117.3	120.4	124.3	128.8	135.6	150.6
0°	109.1	109.1	109.1	111.0	114.8	118.5	122.3	127.0	132.6	141.1	160.8
-2.5°	109.1	109.4	110.0	112.5	117.1	122.6	128.9	136.3	145.5	163.1	201.2
-5°	109.1	109.8	110.8	114.1	119.4	126.7	135.5	145.4	158.3	184.6	240.2
-7.5°	109.1	110.1	111.7	115.6	121.6	130.6	141.8	154.3	170.6	205.0	276.6
-10°	109.1	110.5	112.5	117.0	123.7	134.4	147.9	162.9	182.5	223.9	309.5
-12.5°	109.1	110.8	113.4	118.4	125.8	138.0	153.6	171.2	193.7	243.9	360.1
-15°	109.1	111.2	114.2	119.8	127.8	141.3	159.0	178.9	210.9	282.8	414.9
-17.5°	109.1	111.5	115.0	121.2	129.7	144.3	163.9	190.7	234.7	316.9	461.8
-20°	109.1	111.8	115.7	122.4	131.6	147.0	170.1	204.8	255.7	345.7	500.0



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-3S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	109.1	112.1	116.5	123.6	133.3	149.3	178.7	217.5	273.7	368.4	528.3
-25°	109.1	112.4	117.2	124.8	134.9	153.8	186.4	228.5	288.3	384.5	546.0
-27.5°	109.1	112.7	117.9	125.8	136.4	158.9	193.2	237.7	299.1	396.7	564.4
-30°	109.1	113.0	118.5	126.8	138.0	163.6	199.0	245.0	308.7	409.3	573.4
-32.5°	109.1	113.2	119.1	127.7	141.6	167.7	203.8	251.5	317.0	416.4	572.3
-35°	109.1	113.5	119.7	128.5	144.9	171.3	208.3	256.8	322.4	417.8	560.8
-37.5°	109.1	113.7	120.2	129.2	147.8	174.6	212.3	260.6	324.9	413.3	566.5
-40°	109.1	114.0	120.7	129.9	150.4	178.1	215.5	262.8	324.3	410.7	567.8
-42.5°	109.1	114.2	121.1	130.8	152.7	181.0	217.9	263.5	323.9	411.9	557.0
-45°	109.1	114.4	121.5	132.4	154.8	183.4	219.5	263.8	322.8	406.3	536.5
-47.5°	109.1	114.5	121.9	133.8	156.6	185.1	220.3	264.6	319.7	393.5	519.5
-50°	109.1	114.7	122.2	135.1	158.1	186.3	221.3	264.3	313.6	384.9	493.0
-52.5°	109.1	114.9	122.5	136.4	159.2	187.0	221.6	263.0	308.5	372.0	459.5
-55°	109.1	115.0	122.7	137.5	160.0	187.5	221.2	260.8	303.1	354.9	437.0
-57.5°	109.1	115.1	122.8	138.4	160.5	187.7	220.0	258.6	296.0	342.8	409.4
-60°	109.1	115.2	123.0	139.2	160.7	187.5	218.2	254.4	287.9	331.0	382.7
-62.5°	109.1	115.3	123.0	139.8	161.2	186.8	216.6	249.1	281.0	317.2	364.9
-65°	109.1	115.4	123.1	140.2	161.5	185.6	214.5	243.7	273.1	306.2	344.7
-67.5°	109.1	115.4	123.1	140.5	161.6	184.7	211.8	239.1	264.5	295.3	328.8
-70°	109.1	115.4	123.0	140.7	161.5	184.0	208.6	234.1	258.5	283.5	314.3
-72.5°	109.1	115.5	122.9	140.8	161.1	183.0	206.6	228.8	252.1	275.9	300.1
-75°	109.1	115.5	122.8	140.8	160.5	181.8	204.5	225.0	245.4	268.0	291.0
-77.5°	109.1	115.5	122.6	140.6	160.0	180.3	202.0	221.6	240.9	260.6	281.4
-80°	109.1	115.4	122.4	140.4	159.3	178.9	199.2	217.9	236.5	255.3	274.3
-82.5°	109.1	115.4	122.2	140.0	158.5	177.5	196.9	214.2	231.7	249.7	267.8
-85°	109.1	115.3	121.9	139.5	157.6	175.9	194.6	210.9	227.4	244.2	261.1
-87.5°	109.1	115.3	121.6	138.9	156.4	174.1	191.9	207.4	223.0	238.6	254.4
-90°	109.1	107.7	106.3	104.9	103.5	102.0	100.6	98.5	96.4	94.3	92.2



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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°	255.6	263.9	272.1	280.3	286.0	291.6	297.3	302.9	311.4	319.8	328.3
87.5°	89.4	86.6	83.8	80.9	77.4	73.9	70.4	66.8	63.1	59.3	55.5
85°	89.5	86.7	83.8	80.9	77.4	73.9	70.4	66.9	63.2	59.4	55.6
82.5°	89.5	86.6	83.6	80.5	77.1	73.8	70.4	67.1	63.4	59.6	55.8
80°	89.6	86.6	83.6	80.7	77.6	74.2	70.9	67.4	63.7	59.9	56.1
77.5°	89.9	87.0	84.2	81.5	78.3	74.8	71.3	67.8	64.1	60.3	56.5
75°	90.2	87.5	84.7	81.9	78.7	75.2	71.7	68.2	64.5	60.7	56.9
72.5°	90.6	87.9	85.1	82.3	79.2	75.7	72.2	68.7	65.1	61.3	57.5
70°	91.0	88.3	85.5	82.8	79.8	76.3	72.7	69.2	65.7	61.9	58.1
67.5°	91.4	88.7	86.0	83.2	80.1	76.5	73.1	69.8	66.4	62.6	58.8
65°	91.9	89.2	86.4	83.4	80.3	77.2	74.1	70.8	67.2	63.5	59.6
62.5°	92.4	89.7	86.8	83.9	81.4	78.5	75.1	71.6	68.1	64.4	60.6
60°	92.8	90.3	87.5	85.0	82.5	79.5	76.1	72.6	69.1	65.4	61.6
57.5°	93.4	91.0	88.4	85.9	83.3	80.5	77.1	73.6	70.1	66.6	62.7
55°	94.0	91.8	89.3	86.7	84.1	81.5	78.2	74.8	71.3	67.8	64.0
52.5°	94.6	92.6	90.2	87.6	85.0	82.4	79.5	76.1	72.6	69.1	65.4
50°	95.3	93.3	91.1	88.6	86.0	83.5	80.8	77.4	74.0	70.5	66.9
47.5°	96.0	94.0	92.0	89.6	87.1	84.6	82.0	78.9	75.5	72.0	68.4
45°	96.7	94.8	92.9	90.7	88.3	85.8	83.3	80.5	77.2	73.7	70.1
42.5°	97.5	95.7	93.9	91.8	89.5	87.2	84.8	82.0	78.9	75.5	71.9
40°	98.3	96.6	94.9	93.0	90.9	88.9	86.2	83.5	80.8	77.4	73.9
37.5°	99.2	97.7	96.2	94.3	92.7	90.4	87.5	85.3	82.7	79.5	76.1
35°	100.1	98.9	97.5	95.9	94.4	91.7	89.4	87.3	84.8	81.8	78.6
32.5°	101.2	100.2	99.0	97.4	95.6	93.1	91.5	89.6	87.0	84.1	81.6
30°	102.6	101.6	100.5	99.0	96.9	95.2	93.9	92.0	89.3	87.0	84.7
27.5°	104.4	103.2	102.0	100.4	98.5	97.3	96.3	94.4	92.1	90.1	88.2
25°	106.3	105.6	103.4	101.9	100.5	99.7	98.8	97.0	95.2	93.7	92.1
22.5°	108.4	108.3	106.6	103.5	102.6	102.2	101.5	100.4	99.2	97.9	96.3
20°	110.7	111.1	110.4	108.9	106.0	104.8	104.5	104.1	104.2	104.6	103.7
17.5°	113.2	114.3	114.9	116.0	117.1	114.1	107.8	108.1	109.8	113.4	119.9
15°	115.8	117.7	119.9	124.6	130.5	135.0	135.4	124.3	117.1	125.7	142.3
12.5°	118.4	121.3	125.3	134.2	145.9	160.0	176.4	189.8	191.0	173.3	173.1
10°	121.2	125.1	131.1	144.7	162.8	188.2	224.0	267.5	310.5	357.9	397.7
7.5°	136.5	142.1	145.5	155.6	180.5	218.4	276.1	353.8	444.1	568.1	730.7
5°	154.5	174.2	208.7	255.7	329.8	388.8	423.8	449.5	586.1	793.9	1096.6
2.5°	172.8	207.1	274.2	373.0	569.6	784.6	974.6	1155.0	1380.9	1659.2	2043.0
0°	190.9	239.9	339.6	490.1	810.8	1183.3	1528.5	1863.4	2304.5	2819.1	3470.9
-2.5°	262.4	350.1	518.3	805.2	1197.1	1605.5	2015.4	2397.8	2917.7	3627.7	4671.6
-5°	331.3	456.5	688.7	1103.5	1566.8	2012.2	2483.0	2914.2	3540.5	4426.7	5693.8
-7.5°	395.4	556.2	845.6	1361.2	1878.7	2395.0	2995.0	3602.5	4326.8	5263.7	6535.2
-10°	457.3	661.5	983.3	1510.0	2101.7	2733.6	3468.8	4234.7	5060.4	6042.0	7300.2
-12.5°	540.1	770.3	1106.2	1635.0	2285.7	3017.0	3871.4	4794.3	5732.3	6756.8	7968.5
-15°	613.7	867.4	1213.2	1734.2	2424.4	3235.0	4189.5	5268.2	6271.5	7237.0	8432.7
-17.5°	676.7	951.0	1302.9	1805.5	2512.0	3378.4	4374.4	5459.0	6568.1	7607.1	8845.4
-20°	728.0	1019.7	1374.1	1847.6	2550.7	3417.0	4354.9	5456.5	6689.6	7905.3	9110.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	766.5	1072.4	1434.3	1905.1	2575.2	3394.0	4303.6	5346.4	6650.2	8115.4	9398.9
-25°	795.1	1112.5	1486.7	1957.8	2573.4	3338.4	4218.1	5148.8	6453.4	8113.0	9729.6
-27.5°	813.4	1134.8	1522.5	1983.7	2547.1	3266.7	4115.8	5017.0	6271.3	7945.4	9850.3
-30°	816.8	1145.6	1534.6	1988.5	2540.0	3211.0	3986.1	4959.7	6036.1	7613.5	9474.5
-32.5°	814.0	1141.0	1530.6	1982.4	2513.4	3129.6	3898.0	4867.9	5925.6	7113.2	8904.9
-35°	811.9	1133.3	1509.4	1947.0	2456.9	3069.0	3823.5	4709.4	5749.7	6839.5	8218.2
-37.5°	809.3	1112.0	1467.9	1892.3	2388.9	2994.6	3691.6	4534.2	5498.7	6593.6	7751.3
-40°	794.7	1077.3	1424.3	1825.0	2302.3	2883.2	3553.8	4315.7	5208.3	6251.7	7400.6
-42.5°	769.8	1047.3	1370.9	1738.4	2205.9	2742.3	3365.7	4084.7	4901.2	5853.1	6918.6
-45°	742.7	1003.7	1305.5	1667.8	2091.3	2579.9	3157.3	3813.9	4583.4	5417.3	6387.2
-47.5°	700.6	947.8	1239.3	1573.2	1968.2	2420.7	2922.7	3544.1	4240.6	5007.7	5815.2
-50°	650.2	879.5	1152.2	1464.8	1831.1	2245.7	2712.3	3257.6	3890.6	4582.5	5325.7
-52.5°	604.9	794.3	1047.2	1335.0	1673.0	2058.1	2491.1	2987.4	3539.0	4145.2	4824.1
-55°	548.7	717.6	926.6	1190.5	1491.5	1844.3	2245.9	2693.7	3184.6	3728.6	4307.6
-57.5°	502.7	636.0	815.2	1033.1	1302.3	1607.0	1984.1	2374.9	2812.5	3291.1	3797.0
-60°	461.7	563.1	707.3	890.6	1102.7	1383.4	1710.3	2069.1	2442.7	2831.2	3285.7
-62.5°	419.9	502.5	610.9	752.6	934.3	1152.9	1434.0	1749.3	2087.6	2431.5	2793.8
-65°	393.7	443.5	525.5	636.2	765.6	954.9	1173.3	1415.7	1706.1	1998.9	2308.2
-67.5°	364.0	406.0	456.2	522.3	631.9	770.8	922.5	1124.3	1345.7	1565.1	1795.0
-70°	343.2	368.0	406.4	454.4	515.1	606.6	733.9	871.7	1022.4	1198.2	1395.2
-72.5°	323.8	346.3	369.3	392.8	442.2	508.5	581.7	661.3	774.4	915.5	1060.6
-75°	308.8	324.4	344.3	365.2	394.3	431.1	473.9	536.7	615.4	705.3	798.8
-77.5°	297.1	311.4	325.8	340.3	361.4	390.5	422.4	456.8	505.4	562.4	623.4
-80°	286.7	298.1	311.1	324.2	341.2	360.5	381.2	403.2	435.7	474.8	519.3
-82.5°	278.9	289.4	300.0	310.6	323.0	336.1	350.2	366.5	391.4	418.6	447.1
-85°	270.9	280.4	290.1	299.8	309.6	319.9	330.5	341.5	358.8	377.0	395.8
-87.5°	263.4	272.2	281.1	289.9	297.5	305.1	312.9	320.8	333.1	345.6	358.4
-90°	89.4	86.6	83.7	80.9	77.4	73.9	70.3	66.8	63.0	59.3	55.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	336.7	348.2	359.8	371.3	382.8	397.9	412.9	428.0	443.0	461.8	480.7
87.5°	51.7	48.0	44.2	40.5	36.7	33.0	29.2	25.4	21.6	18.1	14.6
85°	51.9	48.1	44.3	40.6	36.8	32.9	28.9	24.9	20.8	17.3	13.7
82.5°	52.0	48.3	44.5	40.8	37.0	33.0	29.0	24.9	20.9	17.5	14.2
80°	52.3	48.5	44.8	41.0	37.2	33.2	29.2	25.1	21.1	17.5	13.9
77.5°	52.7	48.9	45.1	41.3	37.5	33.5	29.4	25.3	21.3	17.6	14.0
75°	53.1	49.3	45.5	41.7	37.9	33.8	29.7	25.6	21.5	17.8	14.1
72.5°	53.6	49.8	46.0	42.0	38.0	33.9	29.8	25.8	21.8	18.1	14.7
70°	54.3	50.3	46.2	42.1	37.9	33.9	30.0	26.0	22.1	18.3	14.6
67.5°	55.0	51.0	46.9	42.7	38.6	34.4	30.5	26.5	22.5	18.6	14.8
65°	55.8	51.9	47.7	43.5	39.3	35.0	31.0	27.0	22.9	18.9	15.1
62.5°	56.7	52.7	48.6	44.4	40.1	35.8	31.7	27.6	23.4	19.3	15.4
60°	57.7	53.7	49.6	45.3	41.0	36.6	32.4	28.2	24.0	19.8	15.8
57.5°	58.8	54.8	50.7	46.4	42.0	37.6	33.2	28.9	24.6	20.3	16.2
55°	60.0	56.0	52.0	47.6	43.1	38.6	34.1	29.8	25.4	20.9	16.7
52.5°	61.4	57.4	53.3	48.9	44.4	39.8	35.2	30.7	26.2	21.6	17.2
50°	62.9	58.9	54.7	50.4	45.8	41.1	36.4	31.8	27.3	22.5	17.8
47.5°	64.6	60.5	56.3	52.0	47.4	42.9	38.4	33.7	28.5	23.4	18.5
45°	66.4	62.3	58.1	53.8	49.3	44.6	39.5	34.3	29.5	24.4	19.3
42.5°	68.2	64.3	60.0	55.6	51.1	46.2	41.4	36.6	31.2	25.6	20.2
40°	70.3	66.4	62.2	57.8	53.2	48.4	43.3	37.7	32.1	26.7	21.2
37.5°	72.5	68.7	64.8	60.5	55.6	50.5	45.1	39.5	33.8	28.4	22.5
35°	75.2	71.7	68.0	63.3	58.4	53.1	47.9	42.7	36.7	31.0	24.7
32.5°	78.5	75.1	70.9	66.9	62.3	57.9	52.9	48.2	42.0	36.2	30.3
30°	82.1	78.6	75.9	72.2	68.5	64.8	61.0	56.6	51.9	45.9	37.0
27.5°	85.7	84.5	82.8	78.6	76.1	73.3	70.5	66.3	58.4	51.0	38.2
25°	90.5	91.7	88.1	85.7	84.5	82.9	77.6	70.0	57.8	45.2	33.4
22.5°	96.5	96.1	94.6	93.8	95.8	91.7	81.7	69.8	53.6	40.5	31.1
20°	101.8	101.6	105.3	110.9	109.4	104.4	88.9	71.8	55.2	48.3	41.9
17.5°	120.0	113.0	126.0	141.0	138.4	115.7	102.1	82.8	71.8	66.2	57.4
15°	154.1	169.4	178.1	179.6	177.3	156.4	127.3	123.5	113.4	109.9	100.4
12.5°	207.7	259.4	320.6	359.7	242.3	224.8	265.2	279.8	235.0	206.7	206.1
10°	418.0	379.3	547.3	875.4	1481.1	1902.7	751.6	2134.7	4348.9	3716.2	2191.6
7.5°	1001.5	1305.8	1555.6	2002.3	3841.7	7963.0	13080.3	19166.0	31869.3	39742.5	55213.2
5°	1667.4	2442.5	3306.1	4736.6	8057.3	16350.1	30921.2	49428.3	70843.1	101138.9	137995.4
2.5°	2833.8	4026.0	5359.9	7683.4	12530.5	25212.6	46943.8	79278.8	112875.4	156686.8	207285.9
0°	4673.0	6569.3	8413.9	11684.5	20981.6	42668.7	72709.6	118959.3	168309.3	231677.9	301868.0
-2.5°	6179.0	8093.5	10338.3	14179.8	22912.9	44933.6	80079.3	129069.0	187377.8	257360.7	339652.1
-5°	7352.2	9419.3	12009.9	15938.7	24535.9	44159.7	77633.7	127094.6	187431.7	253122.6	328180.0
-7.5°	8249.4	10506.8	13371.2	17290.0	25360.2	43506.8	76920.0	125681.4	183115.2	249236.0	318367.7
-10°	9000.0	11336.0	14434.6	18759.5	26459.7	41880.5	70947.1	119079.4	178129.9	242925.2	310669.5
-12.5°	9649.7	11997.0	15070.2	19295.3	26151.2	40815.0	67592.6	108451.3	164738.7	231335.4	295012.3
-15°	10155.2	12487.7	15466.4	20082.9	27754.1	40213.3	60524.7	97367.9	146924.7	207216.4	270777.8
-17.5°	10548.8	12829.1	15938.4	20397.3	27429.5	38763.6	58431.6	86710.9	129126.0	181841.0	236406.4
-20°	10766.1	13033.8	16004.2	20190.9	26992.6	37791.5	53556.4	79465.2	113742.4	157392.5	203589.2



REPORT NUMBER: P1212093 (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°	11070.1	13188.5	15836.6	19652.2	26189.9	35619.5	49953.8	72925.1	101461.4	137933.2	177390.6
-25°	11257.9	13152.5	15749.3	19588.1	24733.6	32829.4	47037.1	65313.9	91050.1	121184.2	154952.5
-27.5°	11407.4	13202.5	15579.9	18933.1	23390.8	30949.9	42532.1	57457.6	79728.5	104641.5	133491.4
-30°	11490.3	13151.9	15296.9	17968.0	22434.4	28816.0	37412.1	50813.6	67789.1	87496.8	111350.9
-32.5°	10949.5	13021.4	14852.6	17343.5	21040.3	26201.7	32821.8	44014.1	56901.1	72607.9	90599.0
-35°	10162.3	12255.6	14404.0	16675.5	19648.1	23617.5	29750.2	37886.9	47049.6	59530.5	72992.6
-37.5°	9200.3	11187.3	13364.2	15736.6	18233.3	21362.7	26426.8	32580.6	39683.3	48667.4	58390.0
-40°	8571.9	9923.3	12024.1	14260.7	16574.3	19563.6	23388.6	27724.7	33132.4	39692.8	46498.4
-42.5°	8077.4	9287.0	10599.1	12482.5	14708.9	17516.7	20570.9	23864.2	28064.1	32713.7	37425.8
-45°	7444.0	8620.1	9843.2	11133.8	12669.4	15016.9	17643.5	20522.6	23796.8	27225.2	30462.6
-47.5°	6792.4	7845.0	8971.7	10143.2	11539.0	13110.8	14808.9	16980.0	19794.1	22578.2	24969.4
-50°	6148.4	7051.2	8060.3	9119.6	10316.6	11613.9	12985.6	14809.6	16817.3	18885.8	20510.2
-52.5°	5544.5	6336.0	7168.5	8065.1	9079.6	10136.9	11265.3	12791.8	14390.7	16022.9	17177.1
-55°	4946.4	5632.8	6345.7	7127.5	7943.3	8776.2	9737.3	10975.3	12236.8	13505.8	14371.7
-57.5°	4348.1	4932.6	5554.9	6223.0	6910.9	7613.2	8401.6	9305.2	10266.9	11238.9	11937.2
-60°	3754.1	4234.4	4775.8	5344.4	5920.5	6501.3	7175.3	7866.6	8553.9	9194.0	9701.6
-62.5°	3180.6	3600.4	4038.7	4499.6	4980.6	5481.0	6032.4	6592.3	7154.0	7643.1	7982.8
-65°	2635.4	2980.8	3326.1	3686.1	4058.8	4468.7	4921.8	5374.2	5821.6	6198.8	6485.8
-67.5°	2065.8	2349.2	2632.1	2908.9	3198.0	3516.7	3871.3	4225.6	4576.1	4863.5	5092.2
-70°	1589.6	1785.2	1989.0	2208.6	2448.9	2705.2	2979.6	3244.6	3499.3	3694.5	3852.2
-72.5°	1209.0	1362.2	1523.6	1697.7	1870.8	2067.6	2281.9	2495.3	2706.2	2861.3	2990.9
-75°	895.5	1003.8	1132.7	1262.8	1393.4	1543.6	1704.4	1866.4	2028.2	2143.0	2241.0
-77.5°	696.5	778.4	862.5	947.7	1033.6	1132.8	1235.9	1338.9	1441.4	1516.1	1584.1
-80°	566.7	621.7	678.9	737.0	795.8	865.3	937.1	1009.1	1081.1	1132.8	1181.3
-82.5°	476.7	514.0	553.1	593.1	633.8	683.0	733.3	783.9	834.5	870.6	905.1
-85°	415.0	440.4	466.5	493.0	519.9	553.6	588.0	622.7	657.7	685.0	711.6
-87.5°	371.3	389.0	406.9	425.0	443.2	464.2	485.3	506.3	527.4	550.6	573.7
-90°	51.7	48.0	44.2	40.5	36.7	32.9	29.2	25.4	21.6	18.1	14.6



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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°	499.5	518.3	512.7	507.0	512.7	518.3	499.5	480.7	461.8	443.0	428.0
87.5°	11.0	7.5	4.7	1.9	4.7	7.5	11.0	14.6	18.1	21.6	25.4
85°	10.2	6.6	4.3	1.9	4.3	6.6	10.2	13.7	17.3	20.8	24.9
82.5°	10.9	7.5	4.7	1.9	4.7	7.5	10.9	14.2	17.5	20.9	24.9
80°	10.3	6.7	4.3	1.9	4.3	6.7	10.3	13.9	17.5	21.1	25.1
77.5°	10.4	6.8	3.8	0.9	3.8	6.8	10.4	14.0	17.6	21.3	25.3
75°	10.5	6.8	3.9	0.9	3.9	6.8	10.5	14.1	17.8	21.5	25.6
72.5°	11.2	7.8	5.3	2.8	5.3	7.8	11.2	14.7	18.1	21.8	25.8
70°	10.8	7.1	3.9	0.9	3.9	7.1	10.8	14.6	18.3	22.1	26.0
67.5°	11.0	7.2	4.0	0.9	4.0	7.2	11.0	14.8	18.6	22.5	26.5
65°	11.2	7.3	4.0	0.9	4.0	7.3	11.2	15.1	18.9	22.9	27.0
62.5°	11.5	7.5	4.1	0.9	4.1	7.5	11.5	15.4	19.3	23.4	27.6
60°	11.7	7.7	4.2	0.9	4.2	7.7	11.7	15.8	19.8	24.0	28.2
57.5°	12.1	7.9	3.9	0.0	3.9	7.9	12.1	16.2	20.3	24.6	28.9
55°	12.4	8.1	4.0	0.0	4.0	8.1	12.4	16.7	20.9	25.4	29.8
52.5°	12.8	8.4	4.5	0.9	4.5	8.4	12.8	17.2	21.6	26.2	30.7
50°	13.3	8.7	4.6	0.9	4.6	8.7	13.3	17.8	22.5	27.3	31.8
47.5°	13.8	9.1	4.5	0.0	4.5	9.1	13.8	18.5	23.4	28.5	33.7
45°	14.4	9.5	4.9	0.9	4.9	9.5	14.4	19.3	24.4	29.5	34.3
42.5°	15.1	10.0	4.9	0.0	4.9	10.0	15.1	20.2	25.6	31.2	36.6
40°	15.9	10.5	5.3	0.9	5.3	10.5	15.9	21.2	26.7	32.1	37.7
37.5°	16.8	11.1	5.6	0.9	5.6	11.1	16.8	22.5	28.4	33.8	39.5
35°	18.3	12.1	5.9	0.9	5.9	12.1	18.3	24.7	31.0	36.7	42.7
32.5°	23.4	16.0	7.9	0.9	7.9	16.0	23.4	30.3	36.2	42.0	48.2
30°	27.4	18.9	10.2	0.0	10.2	18.9	27.4	37.0	45.9	51.9	56.6
27.5°	26.9	17.0	7.4	2.8	7.4	17.0	26.9	38.2	51.0	58.4	66.3
25°	23.8	15.1	6.8	0.0	6.8	15.1	23.8	33.4	45.2	57.8	70.0
22.5°	26.6	21.0	15.2	11.3	15.2	21.0	26.6	31.1	40.5	53.6	69.8
20°	36.0	29.5	22.9	18.8	22.9	29.5	36.0	41.9	48.3	55.2	71.8
17.5°	54.3	46.9	40.1	34.8	40.1	46.9	54.3	57.4	66.2	71.8	82.8
15°	95.8	87.5	77.5	69.6	77.5	87.5	95.8	100.4	109.9	113.4	123.5
12.5°	181.5	165.6	151.3	135.0	151.3	165.6	181.5	206.1	206.7	235.0	279.8
10°	4494.1	4111.3	4541.2	972.6	4541.2	4111.3	4494.1	2191.6	3716.2	4348.9	2134.7
7.5°	69609.0	96096.2	104079.8	101237.9	104079.8	96096.2	69609.0	55213.2	39742.5	31869.3	19166.0
5°	174625.6	216126.3	237945.2	239880.7	237945.2	216126.3	174625.6	137995.4	101138.9	70843.1	49428.3
2.5°	261485.5	304940.7	332201.8	345130.4	332201.8	304940.7	261485.5	207285.9	156686.8	112875.4	79278.8
0°	370151.9	421163.1	461115.8	480414.2	461115.8	421163.1	370151.9	301868.0	231677.9	168309.3	118959.3
-2.5°	420744.1	487604.9	522010.3	535614.4	522010.3	487604.9	420744.1	339652.1	257360.7	187377.8	129069.0
-5°	395491.4	454908.1	488525.4	502360.9	488525.4	454908.1	395491.4	328180.0	253122.6	187431.7	127094.6
-7.5°	382777.3	433753.3	461551.9	470721.0	461551.9	433753.3	382777.3	318367.7	249236.0	183115.2	125681.4
-10°	371265.4	419521.8	448639.6	458775.1	448639.6	419521.8	371265.4	310669.5	242925.2	178129.9	119079.4
-12.5°	355304.8	401947.5	430819.9	442309.8	430819.9	401947.5	355304.8	295012.3	231335.4	164738.7	108451.3
-15°	329878.5	377277.3	406240.7	417773.1	406240.7	377277.3	329878.5	270777.8	207216.4	146924.7	97367.9
-17.5°	291799.7	341394.6	369914.8	381613.5	369914.8	341394.6	291799.7	236406.4	181841.0	129126.0	86710.9
-20°	251321.2	294726.1	320679.1	331247.6	320679.1	294726.1	251321.2	203589.2	157392.5	113742.4	79465.2



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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°	217438.7	251033.9	274265.8	283788.2	274265.8	251033.9	217438.7	177390.6	137933.2	101461.4	72925.1
-25°	189601.8	216810.9	237023.0	243108.9	237023.0	216810.9	189601.8	154952.5	121184.2	91050.1	65313.9
-27.5°	163066.9	185188.1	203990.6	210823.8	203990.6	185188.1	163066.9	133491.4	104641.5	79728.5	57457.6
-30°	135411.4	152571.2	167887.8	173266.4	167887.8	152571.2	135411.4	111350.9	87496.8	67789.1	50813.6
-32.5°	107965.9	121746.7	133773.8	137297.7	133773.8	121746.7	107965.9	90599.0	72607.9	56901.1	44014.1
-35°	85109.4	95269.2	103803.4	106460.2	103803.4	95269.2	85109.4	72992.6	59530.5	47049.6	37886.9
-37.5°	66763.6	74106.5	79911.4	81561.8	79911.4	74106.5	66763.6	58390.0	48667.4	39683.3	32580.6
-40°	51970.7	57032.0	60844.4	62006.2	60844.4	57032.0	51970.7	46498.4	39692.8	33132.4	27724.7
-42.5°	41139.2	44709.1	47394.3	48527.0	47394.3	44709.1	41139.2	37425.8	32713.7	28064.1	23864.2
-45°	32975.6	35309.7	36983.4	37777.5	36983.4	35309.7	32975.6	30462.6	27225.2	23796.8	20522.6
-47.5°	26907.4	28725.5	29809.4	30042.7	29809.4	28725.5	26907.4	24969.4	22578.2	19794.1	16980.0
-50°	21836.0	23088.5	23794.5	23963.4	23794.5	23088.5	21836.0	20510.2	18885.8	16817.3	14809.6
-52.5°	18136.2	19006.2	19523.2	19755.1	19523.2	19006.2	18136.2	17177.1	16022.9	14390.7	12791.8
-55°	15175.7	15924.6	16375.0	16613.4	16375.0	15924.6	15175.7	14371.7	13505.8	12236.8	10975.3
-57.5°	12583.1	13171.1	13477.7	13617.5	13477.7	13171.1	12583.1	11937.2	11238.9	10266.9	9305.2
-60°	10198.9	10672.8	10854.4	10888.7	10854.4	10672.8	10198.9	9701.6	9194.0	8553.9	7866.6
-62.5°	8292.6	8570.5	8698.1	8757.2	8698.1	8570.5	8292.6	7982.8	7643.1	7154.0	6592.3
-65°	6749.9	6988.7	7039.9	7023.7	7039.9	6988.7	6749.9	6485.8	6198.8	5821.6	5374.2
-67.5°	5302.4	5492.1	5525.5	5509.3	5525.5	5492.1	5302.4	5092.2	4863.5	4576.1	4225.6
-70°	3997.3	4129.2	4170.6	4186.7	4170.6	4129.2	3997.3	3852.2	3694.5	3499.3	3244.6
-72.5°	3112.5	3225.1	3272.5	3303.5	3272.5	3225.1	3112.5	2990.9	2861.3	2706.2	2495.3
-75°	2332.2	2416.2	2424.5	2419.3	2424.5	2416.2	2332.2	2241.0	2143.0	2028.2	1866.4
-77.5°	1648.9	1710.3	1722.8	1728.9	1722.8	1710.3	1648.9	1584.1	1516.1	1441.4	1338.9
-80°	1228.3	1273.4	1275.3	1273.6	1275.3	1273.4	1228.3	1181.3	1132.8	1081.1	1009.1
-82.5°	938.8	971.6	977.6	982.0	977.6	971.6	938.8	905.1	870.6	834.5	783.9
-85°	737.7	763.4	768.2	772.3	768.2	763.4	737.7	711.6	685.0	657.7	622.7
-87.5°	596.6	619.5	620.2	620.8	620.2	619.5	596.6	573.7	550.6	527.4	506.3
-90°	11.0	7.5	4.7	1.9	4.7	7.5	11.0	14.6	18.1	21.6	25.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	412.9	397.9	382.8	371.3	359.8	348.2	336.7	328.3	319.8	311.4	302.9
87.5°	29.2	33.0	36.7	40.5	44.2	48.0	51.7	55.5	59.3	63.1	66.8
85°	28.9	32.9	36.8	40.6	44.3	48.1	51.9	55.6	59.4	63.2	66.9
82.5°	29.0	33.0	37.0	40.8	44.5	48.3	52.0	55.8	59.6	63.4	67.1
80°	29.2	33.2	37.2	41.0	44.8	48.5	52.3	56.1	59.9	63.7	67.4
77.5°	29.4	33.5	37.5	41.3	45.1	48.9	52.7	56.5	60.3	64.1	67.8
75°	29.7	33.8	37.9	41.7	45.5	49.3	53.1	56.9	60.7	64.5	68.2
72.5°	29.8	33.9	38.0	42.0	46.0	49.8	53.6	57.5	61.3	65.1	68.7
70°	30.0	33.9	37.9	42.1	46.2	50.3	54.3	58.1	61.9	65.7	69.2
67.5°	30.5	34.4	38.6	42.7	46.9	51.0	55.0	58.8	62.6	66.4	69.8
65°	31.0	35.0	39.3	43.5	47.7	51.9	55.8	59.6	63.5	67.2	70.8
62.5°	31.7	35.8	40.1	44.4	48.6	52.7	56.7	60.6	64.4	68.1	71.6
60°	32.4	36.6	41.0	45.3	49.6	53.7	57.7	61.6	65.4	69.1	72.6
57.5°	33.2	37.6	42.0	46.4	50.7	54.8	58.8	62.7	66.6	70.1	73.6
55°	34.1	38.6	43.1	47.6	52.0	56.0	60.0	64.0	67.8	71.3	74.8
52.5°	35.2	39.8	44.4	48.9	53.3	57.4	61.4	65.4	69.1	72.6	76.1
50°	36.4	41.1	45.8	50.4	54.7	58.9	62.9	66.9	70.5	74.0	77.4
47.5°	38.4	42.9	47.4	52.0	56.3	60.5	64.6	68.4	72.0	75.5	78.9
45°	39.5	44.6	49.3	53.8	58.1	62.3	66.4	70.1	73.7	77.2	80.5
42.5°	41.4	46.2	51.1	55.6	60.0	64.3	68.2	71.9	75.5	78.9	82.0
40°	43.3	48.4	53.2	57.8	62.2	66.4	70.3	73.9	77.4	80.8	83.5
37.5°	45.1	50.5	55.6	60.5	64.8	68.7	72.5	76.1	79.5	82.7	85.3
35°	47.9	53.1	58.4	63.3	68.0	71.7	75.2	78.6	81.8	84.8	87.3
32.5°	52.9	57.9	62.3	66.9	70.9	75.1	78.5	81.6	84.1	87.0	89.6
30°	61.0	64.8	68.5	72.2	75.9	78.6	82.1	84.7	87.0	89.3	92.0
27.5°	70.5	73.3	76.1	78.6	82.8	84.5	85.7	88.2	90.1	92.1	94.4
25°	77.6	82.9	84.5	85.7	88.1	91.7	90.5	92.1	93.7	95.2	97.0
22.5°	81.7	91.7	95.8	93.8	94.6	96.1	96.5	96.3	97.9	99.2	100.4
20°	88.9	104.4	109.4	110.9	105.3	101.6	101.8	103.7	104.6	104.2	104.1
17.5°	102.1	115.7	138.4	141.0	126.0	113.0	120.0	119.9	113.4	109.8	108.1
15°	127.3	156.4	177.3	179.6	178.1	169.4	154.1	142.3	125.7	117.1	124.3
12.5°	265.2	224.8	242.3	359.7	320.6	259.4	207.7	173.1	173.3	191.0	189.8
10°	751.6	1902.7	1481.1	875.4	547.3	379.3	418.0	397.7	357.9	310.5	267.5
7.5°	13080.3	7963.0	3841.7	2002.3	1555.6	1305.8	1001.5	730.7	568.1	444.1	353.8
5°	30921.2	16350.1	8057.3	4736.6	3306.1	2442.5	1667.4	1096.6	793.9	586.1	449.5
2.5°	46943.8	25212.6	12530.5	7683.4	5359.9	4026.0	2833.8	2043.0	1659.2	1380.9	1155.0
0°	72709.6	42668.7	20981.6	11684.5	8413.9	6569.3	4673.0	3470.9	2819.1	2304.5	1863.4
-2.5°	80079.3	44933.6	22912.9	14179.8	10338.3	8093.5	6179.0	4671.6	3627.7	2917.7	2397.8
-5°	77633.7	44159.7	24535.9	15938.7	12009.9	9419.3	7352.2	5693.8	4426.7	3540.5	2914.2
-7.5°	76920.0	43506.8	25360.2	17290.0	13371.2	10506.8	8249.4	6535.2	5263.7	4326.8	3602.5
-10°	70947.1	41880.5	26459.7	18759.5	14434.6	11336.0	9000.0	7300.2	6042.0	5060.4	4234.7
-12.5°	67592.6	40815.0	26151.2	19295.3	15070.2	11997.0	9649.7	7968.5	6756.8	5732.3	4794.3
-15°	60524.7	40213.3	27754.1	20082.9	15466.4	12487.7	10155.2	8432.7	7237.0	6271.5	5268.2
-17.5°	58431.6	38763.6	27429.5	20397.3	15938.4	12829.1	10548.8	8845.4	7607.1	6568.1	5459.0
-20°	53556.4	37791.5	26992.6	20190.9	16004.2	13033.8	10766.1	9110.4	7905.3	6689.6	5456.5



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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°	49953.8	35619.5	26189.9	19652.2	15836.6	13188.5	11070.1	9398.9	8115.4	6650.2	5346.4
-25°	47037.1	32829.4	24733.6	19588.1	15749.3	13152.5	11257.9	9729.6	8113.0	6453.4	5148.8
-27.5°	42532.1	30949.9	23390.8	18933.1	15579.9	13202.5	11407.4	9850.3	7945.4	6271.3	5017.0
-30°	37412.1	28816.0	22434.4	17968.0	15296.9	13151.9	11490.3	9474.5	7613.5	6036.1	4959.7
-32.5°	32821.8	26201.7	21040.3	17343.5	14852.6	13021.4	10949.5	8904.9	7113.2	5925.6	4867.9
-35°	29750.2	23617.5	19648.1	16675.5	14404.0	12255.6	10162.3	8218.2	6839.5	5749.7	4709.4
-37.5°	26426.8	21362.7	18233.3	15736.6	13364.2	11187.3	9200.3	7751.3	6593.6	5498.7	4534.2
-40°	23388.6	19563.6	16574.3	14260.7	12024.1	9923.3	8571.9	7400.6	6251.7	5208.3	4315.7
-42.5°	20570.9	17516.7	14708.9	12482.5	10599.1	9287.0	8077.4	6918.6	5853.1	4901.2	4084.7
-45°	17643.5	15016.9	12669.4	11133.8	9843.2	8620.1	7444.0	6387.2	5417.3	4583.4	3813.9
-47.5°	14808.9	13110.8	11539.0	10143.2	8971.7	7845.0	6792.4	5815.2	5007.7	4240.6	3544.1
-50°	12985.6	11613.9	10316.6	9119.6	8060.3	7051.2	6148.4	5325.7	4582.5	3890.6	3257.6
-52.5°	11265.3	10136.9	9079.6	8065.1	7168.5	6336.0	5544.5	4824.1	4145.2	3539.0	2987.4
-55°	9737.3	8776.2	7943.3	7127.5	6345.7	5632.8	4946.4	4307.6	3728.6	3184.6	2693.7
-57.5°	8401.6	7613.2	6910.9	6223.0	5554.9	4932.6	4348.1	3797.0	3291.1	2812.5	2374.9
-60°	7175.3	6501.3	5920.5	5344.4	4775.8	4234.4	3754.1	3285.7	2831.2	2442.7	2069.1
-62.5°	6032.4	5481.0	4980.6	4499.6	4038.7	3600.4	3180.6	2793.8	2431.5	2087.6	1749.3
-65°	4921.8	4468.7	4058.8	3686.1	3326.1	2980.8	2635.4	2308.2	1998.9	1706.1	1415.7
-67.5°	3871.3	3516.7	3198.0	2908.9	2632.1	2349.2	2065.8	1795.0	1565.1	1345.7	1124.3
-70°	2979.6	2705.2	2448.9	2208.6	1989.0	1785.2	1589.6	1395.2	1198.2	1022.4	871.7
-72.5°	2281.9	2067.6	1870.8	1697.7	1523.6	1362.2	1209.0	1060.6	915.5	774.4	661.3
-75°	1704.4	1543.6	1393.4	1262.8	1132.7	1003.8	895.5	798.8	705.3	615.4	536.7
-77.5°	1235.9	1132.8	1033.6	947.7	862.5	778.4	696.5	623.4	562.4	505.4	456.8
-80°	937.1	865.3	795.8	737.0	678.9	621.7	566.7	519.3	474.8	435.7	403.2
-82.5°	733.3	683.0	633.8	593.1	553.1	514.0	476.7	447.1	418.6	391.4	366.5
-85°	588.0	553.6	519.9	493.0	466.5	440.4	415.0	395.8	377.0	358.8	341.5
-87.5°	485.3	464.2	443.2	425.0	406.9	389.0	371.3	358.4	345.6	333.1	320.8
-90°	29.2	32.9	36.7	40.5	44.2	48.0	51.7	55.5	59.3	63.0	66.8



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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°	297.3	291.6	286.0	280.3	272.1	263.9	255.6	247.4	232.8	218.2	203.7
87.5°	70.4	73.9	77.4	80.9	83.8	86.6	89.4	92.2	94.3	96.4	98.5
85°	70.4	73.9	77.4	80.9	83.8	86.7	89.5	92.3	94.4	96.5	98.6
82.5°	70.4	73.8	77.1	80.5	83.6	86.6	89.5	92.4	94.4	96.5	98.6
80°	70.9	74.2	77.6	80.7	83.6	86.6	89.6	92.5	94.6	96.6	98.7
77.5°	71.3	74.8	78.3	81.5	84.2	87.0	89.9	92.6	94.7	96.8	98.8
75°	71.7	75.2	78.7	81.9	84.7	87.5	90.2	92.8	94.9	96.9	99.0
72.5°	72.2	75.7	79.2	82.3	85.1	87.9	90.6	93.1	95.1	97.1	99.1
70°	72.7	76.3	79.8	82.8	85.5	88.3	91.0	93.3	95.3	97.3	99.3
67.5°	73.1	76.5	80.1	83.2	86.0	88.7	91.4	93.6	95.6	97.6	99.6
65°	74.1	77.2	80.3	83.4	86.4	89.2	91.9	94.0	95.9	97.9	99.8
62.5°	75.1	78.5	81.4	83.9	86.8	89.7	92.4	94.3	96.3	98.2	100.1
60°	76.1	79.5	82.5	85.0	87.5	90.3	92.8	94.7	96.6	98.5	100.4
57.5°	77.1	80.5	83.3	85.9	88.4	91.0	93.4	95.3	97.0	98.9	100.7
55°	78.2	81.5	84.1	86.7	89.3	91.8	94.0	95.9	97.5	99.3	100.9
52.5°	79.5	82.4	85.0	87.6	90.2	92.6	94.6	96.6	98.2	99.7	101.3
50°	80.8	83.5	86.0	88.6	91.1	93.3	95.3	97.2	98.9	100.2	101.6
47.5°	82.0	84.6	87.1	89.6	92.0	94.0	96.0	97.9	99.7	100.9	102.0
45°	83.3	85.8	88.3	90.7	92.9	94.8	96.7	98.5	100.4	101.6	102.4
42.5°	84.8	87.2	89.5	91.8	93.9	95.7	97.5	99.3	101.0	102.2	102.9
40°	86.2	88.9	90.9	93.0	94.9	96.6	98.3	100.0	101.7	102.8	103.5
37.5°	87.5	90.4	92.7	94.3	96.2	97.7	99.2	100.8	102.3	103.4	104.0
35°	89.4	91.7	94.4	95.9	97.5	98.9	100.1	101.6	103.1	104.0	104.6
32.5°	91.5	93.1	95.6	97.4	99.0	100.2	101.2	102.7	103.9	104.7	105.1
30°	93.9	95.2	96.9	99.0	100.5	101.6	102.6	103.9	104.8	105.5	105.6
27.5°	96.3	97.3	98.5	100.4	102.0	103.2	104.4	105.2	105.9	106.3	106.3
25°	98.8	99.7	100.5	101.9	103.4	105.6	106.3	106.7	107.0	107.2	106.9
22.5°	101.5	102.2	102.6	103.5	106.6	108.3	108.4	108.4	108.3	108.1	107.7
20°	104.5	104.8	106.0	108.9	110.4	111.1	110.7	110.2	109.6	109.0	108.4
17.5°	107.8	114.1	117.1	116.0	114.9	114.3	113.2	112.0	111.0	110.0	109.1
15°	135.4	135.0	130.5	124.6	119.9	117.7	115.8	113.9	112.5	111.0	110.7
12.5°	176.4	160.0	145.9	134.2	125.3	121.3	118.4	115.8	114.0	113.5	113.4
10°	224.0	188.2	162.8	144.7	131.1	125.1	121.2	120.1	118.9	117.3	116.1
7.5°	276.1	218.4	180.5	155.6	145.5	142.1	136.5	130.0	124.4	121.1	118.8
5°	423.8	388.8	329.8	255.7	208.7	174.2	154.5	140.2	130.0	124.9	121.6
2.5°	974.6	784.6	569.6	373.0	274.2	207.1	172.8	150.6	135.6	128.8	124.3
0°	1528.5	1183.3	810.8	490.1	339.6	239.9	190.9	160.8	141.1	132.6	127.0
-2.5°	2015.4	1605.5	1197.1	805.2	518.3	350.1	262.4	201.2	163.1	145.5	136.3
-5°	2483.0	2012.2	1566.8	1103.5	688.7	456.5	331.3	240.2	184.6	158.3	145.4
-7.5°	2995.0	2395.0	1878.7	1361.2	845.6	556.2	395.4	276.6	205.0	170.6	154.3
-10°	3468.8	2733.6	2101.7	1510.0	983.3	661.5	457.3	309.5	223.9	182.5	162.9
-12.5°	3871.4	3017.0	2285.7	1635.0	1106.2	770.3	540.1	360.1	243.9	193.7	171.2
-15°	4189.5	3235.0	2424.4	1734.2	1213.2	867.4	613.7	414.9	282.8	210.9	178.9
-17.5°	4374.4	3378.4	2512.0	1805.5	1302.9	951.0	676.7	461.8	316.9	234.7	190.7
-20°	4354.9	3417.0	2550.7	1847.6	1374.1	1019.7	728.0	500.0	345.7	255.7	204.8



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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°	4303.6	3394.0	2575.2	1905.1	1434.3	1072.4	766.5	528.3	368.4	273.7	217.5
-25°	4218.1	3338.4	2573.4	1957.8	1486.7	1112.5	795.1	546.0	384.5	288.3	228.5
-27.5°	4115.8	3266.7	2547.1	1983.7	1522.5	1134.8	813.4	564.4	396.7	299.1	237.7
-30°	3986.1	3211.0	2540.0	1988.5	1534.6	1145.6	816.8	573.4	409.3	308.7	245.0
-32.5°	3898.0	3129.6	2513.4	1982.4	1530.6	1141.0	814.0	572.3	416.4	317.0	251.5
-35°	3823.5	3069.0	2456.9	1947.0	1509.4	1133.3	811.9	560.8	417.8	322.4	256.8
-37.5°	3691.6	2994.6	2388.9	1892.3	1467.9	1112.0	809.3	566.5	413.3	324.9	260.6
-40°	3553.8	2883.2	2302.3	1825.0	1424.3	1077.3	794.7	567.8	410.7	324.3	262.8
-42.5°	3365.7	2742.3	2205.9	1738.4	1370.9	1047.3	769.8	557.0	411.9	323.9	263.5
-45°	3157.3	2579.9	2091.3	1667.8	1305.5	1003.7	742.7	536.5	406.3	322.8	263.8
-47.5°	2922.7	2420.7	1968.2	1573.2	1239.3	947.8	700.6	519.5	393.5	319.7	264.6
-50°	2712.3	2245.7	1831.1	1464.8	1152.2	879.5	650.2	493.0	384.9	313.6	264.3
-52.5°	2491.1	2058.1	1673.0	1335.0	1047.2	794.3	604.9	459.5	372.0	308.5	263.0
-55°	2245.9	1844.3	1491.5	1190.5	926.6	717.6	548.7	437.0	354.9	303.1	260.8
-57.5°	1984.1	1607.0	1302.3	1033.1	815.2	636.0	502.7	409.4	342.8	296.0	258.6
-60°	1710.3	1383.4	1102.7	890.6	707.3	563.1	461.7	382.7	331.0	287.9	254.4
-62.5°	1434.0	1152.9	934.3	752.6	610.9	502.5	419.9	364.9	317.2	281.0	249.1
-65°	1173.3	954.9	765.6	636.2	525.5	443.5	393.7	344.7	306.2	273.1	243.7
-67.5°	922.5	770.8	631.9	522.3	456.2	406.0	364.0	328.8	295.3	264.5	239.1
-70°	733.9	606.6	515.1	454.4	406.4	368.0	343.2	314.3	283.5	258.5	234.1
-72.5°	581.7	508.5	442.2	392.8	369.3	346.3	323.8	300.1	275.9	252.1	228.8
-75°	473.9	431.1	394.3	365.2	344.3	324.4	308.8	291.0	268.0	245.4	225.0
-77.5°	422.4	390.5	361.4	340.3	325.8	311.4	297.1	281.4	260.6	240.9	221.6
-80°	381.2	360.5	341.2	324.2	311.1	298.1	286.7	274.3	255.3	236.5	217.9
-82.5°	350.2	336.1	323.0	310.6	300.0	289.4	278.9	267.8	249.7	231.7	214.2
-85°	330.5	319.9	309.6	299.8	290.1	280.4	270.9	261.1	244.2	227.4	210.9
-87.5°	312.9	305.1	297.5	289.9	281.1	272.2	263.4	254.4	238.6	223.0	207.4
-90°	70.3	73.9	77.4	80.9	83.7	86.6	89.4	92.2	94.3	96.4	98.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	189.1	172.1	155.2	138.2	121.3	115.2	109.1
87.5°	100.6	102.1	103.5	105.0	106.4	107.7	109.1
85°	100.6	102.2	103.6	105.1	106.5	107.7	109.1
82.5°	100.7	102.2	103.7	105.2	106.6	107.8	109.1
80°	100.7	102.3	103.9	105.3	106.6	107.8	109.1
77.5°	100.8	102.4	104.0	105.4	106.7	107.8	109.1
75°	100.9	102.4	104.1	105.6	106.8	107.9	109.1
72.5°	101.0	102.5	104.1	105.7	106.9	107.9	109.1
70°	101.1	102.5	104.1	105.8	107.0	107.9	109.1
67.5°	101.3	102.6	104.1	105.8	107.1	108.0	109.1
65°	101.4	102.7	104.1	105.8	107.3	108.0	109.1
62.5°	101.6	102.9	104.2	105.8	107.4	108.0	109.1
60°	101.9	103.1	104.2	105.8	107.5	108.1	109.1
57.5°	102.1	103.4	104.4	105.8	107.4	108.1	109.1
55°	102.3	103.6	104.6	105.9	107.4	108.2	109.1
52.5°	102.6	103.9	104.9	105.9	107.4	108.2	109.1
50°	102.8	104.1	105.1	105.9	107.4	108.2	109.1
47.5°	103.1	104.4	105.4	106.0	107.5	108.3	109.1
45°	103.5	104.6	105.7	106.2	107.5	108.3	109.1
42.5°	103.9	104.9	106.0	106.4	107.5	108.4	109.1
40°	104.4	105.1	106.2	106.7	107.6	108.4	109.1
37.5°	104.8	105.4	106.5	106.9	107.6	108.5	109.1
35°	105.3	105.8	106.7	107.2	107.7	108.5	109.1
32.5°	105.8	106.2	106.9	107.4	107.7	108.6	109.1
30°	106.2	106.6	107.2	107.7	107.8	108.6	109.1
27.5°	106.7	107.0	107.6	107.9	107.9	108.6	109.1
25°	107.2	107.5	108.1	108.2	108.0	108.7	109.1
22.5°	107.6	108.1	108.7	108.5	108.1	108.7	109.1
20°	108.0	109.2	109.3	108.8	108.2	108.8	109.1
17.5°	109.2	110.3	109.9	109.1	108.3	108.8	109.1
15°	110.9	111.4	110.6	109.4	108.4	108.9	109.1
12.5°	112.8	112.6	111.3	109.6	108.5	108.9	109.1
10°	114.6	113.8	112.0	109.9	108.6	108.9	109.1
7.5°	116.5	115.0	112.7	110.2	108.7	109.0	109.1
5°	118.5	116.2	113.4	110.5	108.9	109.0	109.1
2.5°	120.4	117.3	114.1	110.7	109.0	109.1	109.1
0°	122.3	118.5	114.8	111.0	109.1	109.1	109.1
-2.5°	128.9	122.6	117.1	112.5	110.0	109.4	109.1
-5°	135.5	126.7	119.4	114.1	110.8	109.8	109.1
-7.5°	141.8	130.6	121.6	115.6	111.7	110.1	109.1
-10°	147.9	134.4	123.7	117.0	112.5	110.5	109.1
-12.5°	153.6	138.0	125.8	118.4	113.4	110.8	109.1
-15°	159.0	141.3	127.8	119.8	114.2	111.2	109.1
-17.5°	163.9	144.3	129.7	121.2	115.0	111.5	109.1
-20°	170.1	147.0	131.6	122.4	115.7	111.8	109.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	178.7	149.3	133.3	123.6	116.5	112.1	109.1
-25°	186.4	153.8	134.9	124.8	117.2	112.4	109.1
-27.5°	193.2	158.9	136.4	125.8	117.9	112.7	109.1
-30°	199.0	163.6	138.0	126.8	118.5	113.0	109.1
-32.5°	203.8	167.7	141.6	127.7	119.1	113.2	109.1
-35°	208.3	171.3	144.9	128.5	119.7	113.5	109.1
-37.5°	212.3	174.6	147.8	129.2	120.2	113.7	109.1
-40°	215.5	178.1	150.4	129.9	120.7	114.0	109.1
-42.5°	217.9	181.0	152.7	130.8	121.1	114.2	109.1
-45°	219.5	183.4	154.8	132.4	121.5	114.4	109.1
-47.5°	220.3	185.1	156.6	133.8	121.9	114.5	109.1
-50°	221.3	186.3	158.1	135.1	122.2	114.7	109.1
-52.5°	221.6	187.0	159.2	136.4	122.5	114.9	109.1
-55°	221.2	187.5	160.0	137.5	122.7	115.0	109.1
-57.5°	220.0	187.7	160.5	138.4	122.8	115.1	109.1
-60°	218.2	187.5	160.7	139.2	123.0	115.2	109.1
-62.5°	216.6	186.8	161.2	139.8	123.0	115.3	109.1
-65°	214.5	185.6	161.5	140.2	123.1	115.4	109.1
-67.5°	211.8	184.7	161.6	140.5	123.1	115.4	109.1
-70°	208.6	184.0	161.5	140.7	123.0	115.4	109.1
-72.5°	206.6	183.0	161.1	140.8	122.9	115.5	109.1
-75°	204.5	181.8	160.5	140.8	122.8	115.5	109.1
-77.5°	202.0	180.3	160.0	140.6	122.6	115.5	109.1
-80°	199.2	178.9	159.3	140.4	122.4	115.4	109.1
-82.5°	196.9	177.5	158.5	140.0	122.2	115.4	109.1
-85°	194.6	175.9	157.6	139.5	121.9	115.3	109.1
-87.5°	191.9	174.1	156.4	138.9	121.6	115.3	109.1
-90°	100.6	102.0	103.5	104.9	106.3	107.7	109.1

(END OF REPORT)