

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: P1212117 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-5S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212117 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-90-5S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 90 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

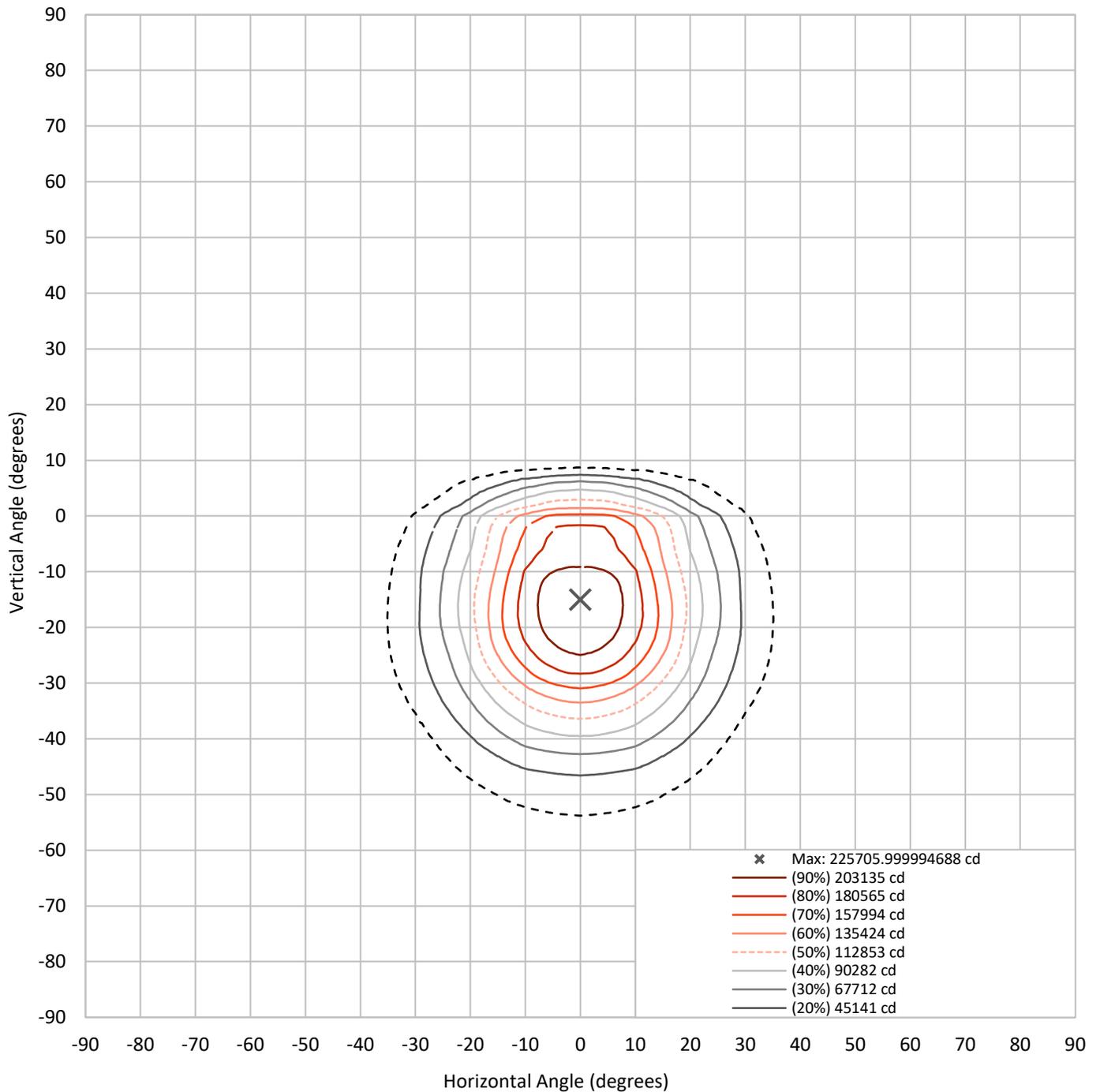
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	110398.1 lumens	Max Intensity:	225706 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	106.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	63069.8 lumens	Field Lumens:	100607.2 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%
Input Watts (W):	1041		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





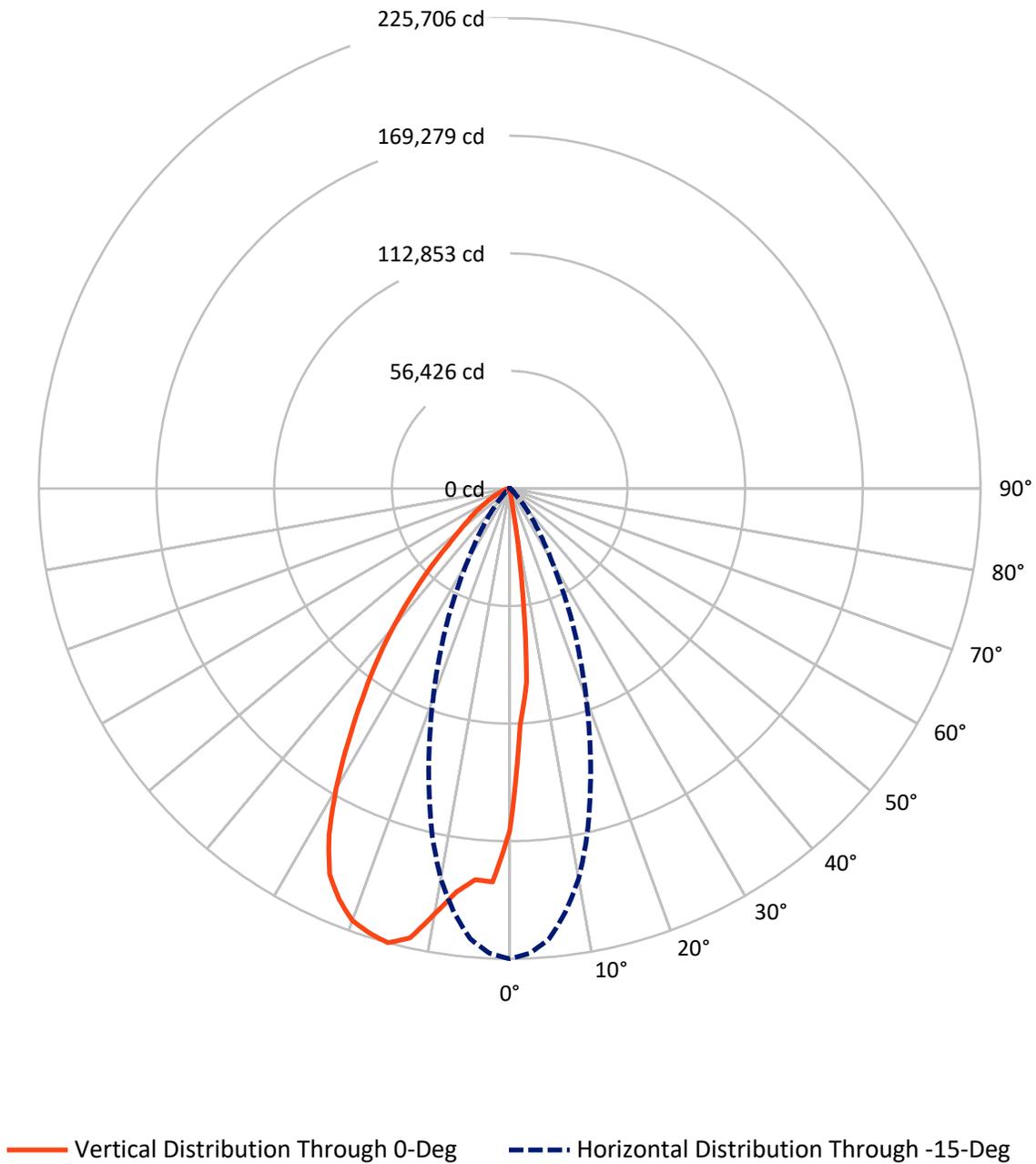
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Lumen Table

90	2.1		5.4		6.2		5.1		3.8		5.1		6.2		5.4		2.1
80	2.0		1.1	1.3	1.4	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.4	1.3	1.1	2.0
70	2.0		1.1	1.4	1.4	1.3	1.0	0.6	0.2	0.2	0.6	1.0	1.3	1.4	1.4	1.1	2.0
60	2.1		1.2	1.5	1.6	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.6	1.5	1.2	2.1
50	2.1		1.2	1.6	1.7	1.7	1.4	1.0	0.3	0.3	1.0	1.4	1.7	1.7	1.6	1.2	2.1
40	2.2		1.3	1.7	2.0	2.1	2.0	1.4	0.5	0.5	1.4	2.0	2.1	2.0	1.7	1.3	2.2
30	2.2		1.4	2.1	3.2	4.5	11.5	14.0	10.8	10.8	14.0	11.5	4.5	3.2	2.1	1.4	2.2
20	2.5		1.8	4.5	18.9	115.8	572.9	1522.2	2351.4	2351.4	1522.2	572.9	115.8	18.9	4.5	1.8	2.5
10	2.5		3.3	13.8	75.8	446.9	1635.4	3778.2	5526.6	5526.6	3778.2	1635.4	446.9	75.8	13.8	3.3	2.5
0	3.4		5.5	23.9	104.2	584.9	1965.2	4345.4	6371.2	6371.2	4345.4	1965.2	584.9	104.2	23.9	5.5	3.4
-10	3.4		6.9	29.5	98.0	540.0	1742.1	3907.4	5723.1	5723.1	3907.4	1742.1	540.0	98.0	29.5	6.9	3.4
-20	4.0		7.1	29.3	87.8	339.2	1141.0	2478.0	3575.0	3575.0	2478.0	1141.0	339.2	87.8	29.3	7.1	4.0
-30	4.0		6.4	24.2	70.6	195.4	537.2	1138.1	1601.2	1601.2	1138.1	537.2	195.4	70.6	24.2	6.4	4.0
-40	4.0		5.3	16.4	46.0	112.6	249.1	449.2	595.8	595.8	449.2	249.1	112.6	46.0	16.4	5.3	4.0
-50	4.0		4.3	9.9	23.8	52.7	102.4	170.8	218.2	218.2	170.8	102.4	52.7	23.8	9.9	4.3	4.0
-60	4.0		4.3	9.9	23.8	52.7	102.4	170.8	218.2	218.2	170.8	102.4	52.7	23.8	9.9	4.3	4.0
-70	4.0		4.3	9.9	23.8	52.7	102.4	170.8	218.2	218.2	170.8	102.4	52.7	23.8	9.9	4.3	4.0
-80	3.6		17.2		45.8		115.0		170.7		115.0		45.8		17.2		3.6
-90	3.6		17.2		45.8		115.0		170.7		115.0		45.8		17.2		3.6

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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 38.6°
 V Angle: 39°
 Lumens: 63069.8
 Efficiency: 57.1%

Field:
 H Angle: 69.7°
 V Angle: 62.5°
 Lumens: 100607.2
 Efficiency: 91.1%

Spill:
 Lumens: 9790.8
 Efficiency: 8.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -15-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	103.7	109.8	116.0	130.2	144.4	158.6	172.8	186.2	199.5	212.9	226.3
87.5°	103.7	102.9	102.0	100.1	98.3	96.4	94.6	92.2	89.7	87.3	84.8
85°	103.7	102.9	101.9	100.1	98.2	96.4	94.6	92.2	89.8	87.3	84.9
82.5°	103.7	102.8	101.9	100.0	98.2	96.4	94.7	92.3	89.9	87.4	85.0
80°	103.7	102.8	101.8	100.0	98.1	96.4	94.7	92.4	90.0	87.6	85.1
77.5°	103.7	102.8	101.8	99.9	98.1	96.5	94.8	92.5	90.1	87.7	85.3
75°	103.7	102.8	101.7	99.9	98.1	96.6	94.9	92.7	90.3	87.9	85.5
72.5°	103.7	102.8	101.7	99.8	98.3	96.8	95.1	92.9	90.5	88.2	85.8
70°	103.7	102.8	101.6	99.9	98.5	96.9	95.3	93.1	90.8	88.5	86.1
67.5°	103.7	102.8	101.6	100.0	98.7	97.1	95.4	93.4	91.1	88.8	86.5
65°	103.7	102.8	101.6	100.2	98.9	97.3	95.6	93.7	91.4	89.1	86.8
62.5°	103.7	102.8	101.5	100.4	99.1	97.5	95.8	94.0	91.8	89.5	87.3
60°	103.7	102.8	101.5	100.6	99.3	97.7	96.1	94.3	92.2	90.0	87.7
57.5°	103.7	102.8	101.7	100.8	99.5	97.9	96.3	94.7	92.6	90.4	88.3
55°	103.7	102.8	101.8	101.0	99.7	98.1	96.6	95.0	93.0	91.0	89.0
52.5°	103.7	102.8	101.9	101.2	99.9	98.4	96.8	95.3	93.5	91.7	89.8
50°	103.7	102.9	102.0	101.5	100.1	98.6	97.2	95.7	94.1	92.5	90.6
47.5°	103.7	102.9	102.2	101.7	100.3	98.9	97.5	96.1	94.9	93.4	91.6
45°	103.7	102.9	102.3	101.9	100.5	99.2	97.9	96.6	95.6	94.3	92.5
42.5°	103.7	102.9	102.4	102.0	100.8	99.5	98.3	97.2	96.3	95.2	93.3
40°	103.7	103.0	102.5	102.2	101.0	99.8	98.8	97.8	97.1	96.2	94.0
37.5°	103.7	103.0	102.7	102.4	101.3	100.1	99.2	98.5	97.9	97.0	94.7
35°	103.7	103.0	102.8	102.6	101.5	100.5	99.7	99.1	98.7	97.7	95.5
32.5°	103.7	103.1	102.9	102.8	101.8	100.9	100.3	99.8	99.5	98.4	96.7
30°	103.7	103.1	103.1	103.1	102.1	101.3	100.9	100.5	100.4	99.3	97.9
27.5°	103.7	103.1	103.2	103.3	102.6	101.8	101.4	101.3	101.3	100.3	99.4
25°	103.7	103.2	103.3	103.6	103.1	102.2	102.0	102.0	102.1	101.5	100.9
22.5°	103.7	103.2	103.5	103.9	103.7	102.9	102.6	102.8	103.0	102.8	102.7
20°	103.7	103.3	103.6	104.3	104.4	104.0	103.2	103.6	104.0	104.2	104.6
17.5°	103.7	103.3	103.7	104.6	105.1	105.3	104.6	104.4	105.0	105.7	106.6
15°	103.7	103.4	103.8	104.9	105.8	106.5	106.4	106.1	106.1	107.2	108.7
12.5°	103.7	103.4	103.9	105.3	106.5	107.8	108.4	108.9	108.8	108.8	110.8
10°	103.7	103.5	104.1	105.6	107.3	109.1	110.4	111.8	112.8	113.7	115.2
7.5°	103.7	103.5	104.2	106.0	108.1	110.5	112.4	114.7	116.9	119.2	124.8
5°	103.7	103.6	104.3	106.3	108.8	111.8	114.5	117.7	121.0	124.7	134.7
2.5°	103.7	103.6	104.4	106.7	109.6	113.1	116.5	120.6	125.1	130.3	144.8
0°	103.7	103.7	104.5	107.0	110.3	114.4	118.5	123.5	129.2	135.8	154.7
-2.5°	103.7	104.1	105.4	108.5	112.6	118.0	124.7	132.5	142.5	157.5	192.0
-5°	103.7	104.4	106.2	110.0	114.9	121.6	130.9	141.4	155.5	178.6	228.0
-7.5°	103.7	104.8	107.1	111.4	117.1	125.0	136.8	150.0	168.1	198.8	261.8
-10°	103.7	105.1	107.9	112.9	119.3	128.4	142.4	158.3	180.1	217.7	292.6
-12.5°	103.7	105.5	108.7	114.3	121.3	131.5	147.7	166.2	191.3	236.8	333.3
-15°	103.7	105.8	109.5	115.6	123.4	134.5	152.5	173.6	205.9	267.2	375.5
-17.5°	103.7	106.2	110.3	116.9	125.3	137.4	156.9	183.5	224.2	293.8	411.7
-20°	103.7	106.5	111.1	118.1	127.1	139.9	162.2	194.9	240.4	316.0	441.2



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 CATALOG NUMBER: EPH-LS12-1000R-40-90-5S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	103.7	106.8	111.8	119.3	128.8	142.3	169.3	205.1	254.3	333.2	463.2
-25°	103.7	107.1	112.5	120.4	130.4	146.5	175.7	214.1	265.6	345.1	477.2
-27.5°	103.7	107.4	113.1	121.4	131.9	151.4	181.5	221.6	274.2	354.0	490.8
-30°	103.7	107.7	113.8	122.3	133.4	155.8	186.5	227.6	281.8	363.7	496.8
-32.5°	103.7	108.0	114.3	123.2	136.5	159.7	190.7	233.0	288.5	369.3	494.6
-35°	103.7	108.2	114.9	124.0	139.4	163.1	194.9	237.5	293.0	370.7	484.0
-37.5°	103.7	108.5	115.4	124.7	141.9	166.1	198.7	241.0	295.1	367.8	482.8
-40°	103.7	108.7	115.9	125.3	144.1	169.1	201.8	243.3	295.0	366.1	480.4
-42.5°	103.7	108.9	116.3	126.2	146.0	171.6	204.1	244.5	295.2	365.6	470.2
-45°	103.7	109.1	116.7	127.5	147.8	173.5	205.7	245.2	295.2	361.0	454.0
-47.5°	103.7	109.3	117.0	128.6	149.3	175.0	206.4	246.0	293.7	352.4	443.0
-50°	103.7	109.4	117.3	129.7	150.5	175.9	207.2	245.6	290.1	347.4	426.6
-52.5°	103.7	109.6	117.5	130.8	151.4	176.3	207.4	244.3	286.3	339.5	406.4
-55°	103.7	109.7	117.7	131.6	152.0	176.7	206.8	242.1	281.5	328.9	392.4
-57.5°	103.7	109.8	117.9	132.4	152.3	176.8	205.6	240.0	275.2	319.2	375.3
-60°	103.7	109.9	118.0	132.9	152.4	176.4	203.9	236.4	267.9	308.5	357.1
-62.5°	103.7	110.0	118.1	133.4	152.7	175.7	202.4	231.9	262.1	295.9	340.8
-65°	103.7	110.1	118.1	133.7	152.8	174.5	200.3	227.2	255.5	286.5	322.4
-67.5°	103.7	110.1	118.0	133.8	152.7	173.5	197.8	223.2	248.1	277.3	308.6
-70°	103.7	110.2	118.0	133.9	152.4	172.7	194.8	218.7	242.5	267.4	296.5
-72.5°	103.7	110.2	117.8	133.8	151.9	171.5	192.7	213.8	236.4	260.0	284.3
-75°	103.7	110.2	117.7	133.6	151.2	170.2	190.4	209.9	230.0	252.1	275.0
-77.5°	103.7	110.1	117.5	133.3	150.4	168.5	187.9	206.2	225.0	244.4	265.2
-80°	103.7	110.1	117.2	132.9	149.5	166.8	185.0	202.2	219.8	238.0	256.7
-82.5°	103.7	110.1	117.0	132.3	148.4	165.0	182.2	198.2	214.3	231.1	248.4
-85°	103.7	110.0	116.7	131.7	147.2	163.1	179.3	194.4	209.6	224.9	240.4
-87.5°	103.7	109.9	116.4	131.0	145.9	160.9	176.1	190.4	204.7	219.0	233.5
-90°	103.7	102.9	102.1	100.2	98.3	96.5	94.6	92.2	89.7	87.3	84.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	235.0	243.6	252.3	260.9	264.4	267.9	271.4	274.9	279.2	283.6	287.9
87.5°	81.9	79.0	76.1	73.2	70.0	66.7	63.4	60.1	56.4	52.7	49.0
85°	82.0	79.1	76.2	73.3	70.1	66.8	63.5	60.2	56.6	52.9	49.2
82.5°	82.1	79.2	76.4	73.5	70.2	67.0	63.7	60.4	56.8	53.1	49.4
80°	82.3	79.4	76.6	73.7	70.5	67.2	63.9	60.7	57.0	53.3	49.6
77.5°	82.5	79.7	76.8	73.9	70.8	67.5	64.3	61.0	57.4	53.7	50.0
75°	82.8	80.0	77.1	74.3	71.2	67.9	64.7	61.2	57.6	53.9	50.2
72.5°	83.2	80.3	77.5	74.7	71.6	68.3	64.8	61.2	57.7	54.2	50.6
70°	83.6	80.8	77.9	75.1	72.1	68.7	65.2	61.8	58.3	54.8	51.2
67.5°	84.0	81.2	78.4	75.6	72.7	69.3	65.9	62.4	59.0	55.4	51.9
65°	84.5	81.8	79.0	76.2	73.4	70.1	66.7	63.2	59.7	56.2	52.7
62.5°	85.0	82.3	79.6	76.9	74.1	70.9	67.5	64.1	60.6	57.3	53.8
60°	85.5	83.0	80.3	77.6	74.8	71.8	68.4	65.1	62.0	58.8	54.7
57.5°	86.2	83.7	81.0	78.3	75.6	72.8	69.6	66.4	63.0	59.3	55.3
55°	86.9	84.4	81.8	79.2	76.5	73.8	70.7	67.3	63.8	60.3	56.5
52.5°	87.6	85.2	82.7	80.2	77.7	74.9	71.8	68.4	65.0	61.5	57.9
50°	88.5	86.1	83.7	81.4	78.8	76.0	73.1	69.8	66.4	62.9	59.4
47.5°	89.3	86.9	85.0	82.7	80.0	77.2	74.4	71.3	67.9	64.4	60.9
45°	90.1	88.0	86.3	83.9	81.3	78.6	75.8	72.8	69.5	66.1	62.9
42.5°	90.8	89.1	87.3	85.2	82.6	80.0	77.2	74.4	71.3	68.1	64.9
40°	91.8	90.2	88.5	86.4	84.0	81.5	78.8	76.0	73.1	70.0	66.7
37.5°	92.9	91.3	89.7	87.8	85.6	83.0	80.4	77.9	75.1	71.9	68.9
35°	93.9	92.6	91.0	89.2	87.0	84.7	82.5	80.1	77.3	74.6	71.6
32.5°	95.0	93.9	92.5	90.6	88.7	86.6	84.7	82.5	80.1	77.7	74.7
30°	96.5	95.3	94.0	92.2	90.4	88.9	87.2	85.2	83.4	81.0	78.8
27.5°	98.4	96.9	95.5	93.9	92.4	91.3	90.0	88.4	86.8	84.8	83.3
25°	100.4	99.5	97.0	95.8	94.8	94.1	93.1	92.1	90.6	89.3	88.4
22.5°	102.7	102.3	100.6	97.7	97.3	97.1	96.6	96.1	95.3	94.1	92.6
20°	105.2	105.5	104.8	103.3	101.1	100.3	100.2	100.5	101.1	102.1	100.0
17.5°	107.9	109.0	109.6	110.6	112.2	109.9	104.1	105.3	107.5	113.4	117.7
15°	110.7	112.9	114.7	119.1	125.6	130.5	130.9	121.3	116.5	128.6	141.3
12.5°	113.5	116.9	120.2	128.7	141.0	154.8	170.0	182.0	185.2	175.8	170.8
10°	116.5	121.1	125.8	139.0	157.8	182.1	214.9	253.3	293.0	359.0	465.9
7.5°	131.8	137.2	138.8	149.7	175.5	211.3	264.0	331.9	412.3	576.5	952.7
5°	149.7	166.8	192.0	228.6	269.4	312.4	365.8	419.5	538.1	814.9	1516.7
2.5°	168.0	197.1	247.0	320.2	413.7	527.2	688.0	1140.6	1853.8	2646.5	3664.2
0°	186.0	227.2	302.0	411.5	558.0	742.4	1011.5	1877.3	3432.8	5248.4	7143.8
-2.5°	247.1	328.3	445.7	592.6	756.6	977.8	1302.6	2371.4	4190.9	6461.5	9644.2
-5°	305.9	425.6	584.1	767.5	949.4	1203.2	1577.2	2799.8	4902.7	7639.4	11610.9
-7.5°	361.1	516.1	714.1	933.1	1140.4	1430.1	1869.8	3283.1	5773.3	8873.9	13004.2
-10°	414.0	603.7	835.4	1085.2	1328.8	1648.6	2137.2	3615.0	6373.5	9835.6	14070.7
-12.5°	480.1	687.9	945.0	1224.6	1503.1	1845.5	2361.7	3759.2	6643.0	10479.3	14952.6
-15°	538.3	761.9	1040.4	1349.5	1660.9	2017.7	2536.4	3685.0	6569.7	10856.0	15745.0
-17.5°	587.1	824.5	1120.0	1458.2	1800.3	2162.4	2675.9	3595.9	6372.4	10712.8	15999.6
-20°	625.6	874.5	1182.0	1549.3	1918.2	2295.2	2875.5	3839.5	6131.6	10077.3	15449.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	652.8	911.1	1229.2	1613.4	2006.4	2413.5	2992.0	3938.7	5615.5	8932.1	14796.2
-25°	673.0	939.5	1264.0	1653.0	2071.9	2499.0	3006.7	3906.8	5281.8	8596.0	13859.2
-27.5°	687.2	952.2	1283.2	1669.7	2114.5	2551.4	3035.8	3853.0	5412.1	7994.5	12310.7
-30°	690.1	954.0	1283.7	1666.9	2118.0	2576.7	3061.5	3818.8	5274.4	7602.7	11219.0
-32.5°	686.5	942.9	1272.0	1651.8	2089.9	2574.8	3114.5	3847.4	5062.1	6956.9	9943.5
-35°	679.7	933.4	1245.8	1614.0	2035.8	2542.7	3130.1	3829.0	4730.5	6358.4	8858.8
-37.5°	669.5	910.6	1202.3	1560.2	1971.7	2473.9	3073.3	3747.0	4582.3	5729.6	7939.9
-40°	648.6	874.4	1157.8	1494.3	1894.1	2370.9	2940.7	3601.6	4362.0	5520.3	7009.9
-42.5°	619.3	838.9	1103.1	1409.8	1799.3	2248.9	2758.6	3387.3	4178.8	5176.2	6469.0
-45°	598.2	791.0	1035.7	1329.2	1679.9	2100.2	2581.8	3124.0	3903.3	4807.7	5876.2
-47.5°	567.4	737.0	965.6	1224.9	1547.9	1931.8	2373.7	2909.4	3550.8	4368.1	5297.4
-50°	532.5	689.0	876.9	1116.8	1400.4	1745.5	2148.6	2645.3	3221.1	3885.7	4685.5
-52.5°	505.8	630.2	798.5	998.2	1249.5	1546.3	1920.4	2363.4	2865.7	3426.3	4144.1
-55°	473.0	583.2	715.1	888.7	1095.7	1352.0	1680.3	2077.5	2501.0	2995.2	3601.3
-57.5°	445.4	534.6	644.5	781.5	957.6	1162.5	1459.1	1784.9	2165.7	2576.6	3080.1
-60°	419.9	490.0	581.1	692.6	823.1	1011.2	1237.0	1516.4	1832.4	2181.8	2607.6
-62.5°	392.4	450.8	522.5	612.3	722.4	862.2	1055.1	1273.3	1507.0	1811.3	2152.0
-65°	368.3	410.8	468.2	540.9	624.5	746.2	890.4	1053.6	1254.7	1483.4	1730.1
-67.5°	341.5	379.1	420.5	469.5	541.4	633.8	736.2	870.4	1022.0	1196.4	1386.9
-70°	323.7	347.6	381.4	420.4	466.0	529.4	614.6	707.8	813.2	945.4	1100.1
-72.5°	307.2	328.7	351.1	374.5	412.6	460.1	512.4	568.9	648.0	749.6	857.7
-75°	293.3	309.4	328.9	349.5	373.6	401.9	434.7	479.6	534.5	598.1	665.8
-77.5°	281.4	296.3	311.2	326.3	342.9	364.6	388.6	414.8	449.8	489.1	530.0
-80°	270.2	282.8	296.4	310.1	323.0	336.7	351.3	366.7	390.5	419.3	451.3
-82.5°	260.5	272.2	283.9	295.5	304.7	313.8	323.6	334.8	352.4	371.8	392.2
-85°	251.0	261.3	272.1	282.8	290.1	297.4	304.8	312.4	323.6	335.6	348.0
-87.5°	243.0	252.6	262.1	271.6	276.9	282.1	287.5	292.9	300.1	307.4	314.9
-90°	81.9	79.0	76.1	73.2	69.9	66.7	63.4	60.1	56.4	52.7	49.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	292.2	299.6	307.0	314.4	321.8	331.9	342.0	352.0	362.1	375.1	388.1
87.5°	45.3	41.8	38.3	34.8	31.3	28.0	24.7	21.4	18.1	15.2	12.4
85°	45.5	41.9	38.4	34.9	31.4	28.1	24.8	21.5	18.2	15.1	12.0
82.5°	45.6	42.1	38.6	35.1	31.6	28.2	24.9	21.6	18.3	15.2	12.1
80°	45.9	42.4	38.8	35.3	31.8	28.4	25.1	21.7	18.4	15.3	12.1
77.5°	46.3	42.7	39.1	35.6	32.0	28.6	25.3	21.9	18.6	15.4	12.2
75°	46.6	43.1	39.5	36.0	32.4	28.9	25.6	22.2	18.8	15.5	12.4
72.5°	47.1	43.5	40.0	36.4	32.8	29.3	25.9	22.4	19.0	15.7	12.5
70°	47.7	44.1	40.5	36.9	33.2	29.7	26.2	22.8	19.3	16.0	12.7
67.5°	48.3	44.7	41.1	37.5	33.8	30.2	26.7	23.2	19.6	16.2	12.9
65°	49.1	45.4	41.8	38.1	34.4	30.7	27.1	23.4	19.6	16.0	12.8
62.5°	50.1	46.2	42.3	38.5	34.9	31.3	27.5	23.7	19.8	16.2	13.0
60°	50.6	46.4	42.7	39.2	35.6	32.0	28.2	24.3	20.4	16.6	13.3
57.5°	51.4	47.5	43.6	40.1	36.5	32.8	29.0	25.1	21.3	17.5	14.1
55°	52.6	48.7	44.7	41.2	37.6	33.8	29.9	26.0	22.0	17.8	14.2
52.5°	54.0	50.2	46.5	42.9	38.9	34.9	30.8	26.7	22.6	18.6	14.9
50°	55.6	52.0	48.2	44.2	40.2	36.1	31.9	27.8	23.6	19.2	15.1
47.5°	57.5	53.9	49.8	45.6	41.5	37.4	33.1	28.7	24.4	20.1	16.0
45°	59.7	55.7	51.5	47.3	43.1	38.8	34.4	30.0	25.7	21.3	16.9
42.5°	61.4	57.4	53.1	49.0	44.8	40.4	35.9	31.3	26.8	22.1	17.2
40°	63.1	59.0	55.3	51.3	46.8	42.2	37.5	32.8	28.0	23.1	18.2
37.5°	65.4	61.9	58.1	53.9	48.9	43.5	39.3	34.7	29.7	24.7	19.6
35°	68.4	65.2	61.3	56.8	51.9	47.0	42.3	37.1	31.4	26.6	21.1
32.5°	72.2	69.4	65.8	61.0	56.7	51.1	45.5	41.3	35.9	30.6	25.2
30°	77.0	75.9	70.7	66.0	60.7	56.0	52.4	47.9	43.0	37.6	30.0
27.5°	83.6	80.5	74.1	69.5	66.0	62.7	58.8	54.0	47.5	40.5	31.2
25°	87.8	82.5	77.9	74.8	72.2	69.0	63.9	57.7	48.2	38.3	30.2
22.5°	90.7	86.6	83.3	81.1	78.7	74.4	67.2	57.1	47.7	39.4	31.3
20°	95.2	91.0	91.9	92.1	85.4	80.6	69.6	58.4	50.0	41.4	32.9
17.5°	112.2	99.9	107.9	115.8	107.1	89.4	84.0	69.7	60.3	50.8	39.7
15°	144.3	147.7	150.2	149.5	145.9	130.9	113.8	109.8	96.4	87.3	76.2
12.5°	190.9	220.9	278.3	379.7	231.7	195.4	278.1	284.1	195.4	163.4	150.0
10°	516.1	317.3	563.9	1491.2	3137.1	3517.2	941.2	2818.2	3393.2	4676.2	1330.2
7.5°	1597.6	2412.3	3126.1	4418.2	8585.7	13687.0	15668.0	17034.6	22964.4	28738.8	31154.7
5°	2894.0	5144.2	8054.4	12009.0	18055.4	25785.4	33112.4	42598.4	50169.2	61678.6	72029.1
2.5°	5542.8	9358.3	14233.9	20305.1	27608.0	37031.1	47649.5	63203.2	76349.0	87633.5	95681.6
0°	10016.1	16802.7	24694.6	36025.8	46632.8	61405.9	75328.1	95028.6	112306.1	129349.5	142139.6
-2.5°	13665.2	20240.9	29179.2	41350.1	54323.6	67499.6	84352.0	105108.5	126661.0	145790.0	160857.3
-5°	16631.4	23602.1	33668.2	46011.9	58797.2	71738.3	86756.8	107455.9	130671.8	149375.8	163336.4
-7.5°	18794.9	26415.9	37131.8	49678.7	62569.1	76779.3	93506.4	113571.0	134242.2	155414.4	171274.0
-10°	20168.4	28406.5	39221.0	52622.7	66750.8	82120.4	99412.7	119460.9	140176.1	162286.0	182572.4
-12.5°	21239.7	29751.3	39911.5	54022.2	68814.6	86006.6	104369.3	123819.8	145519.6	168411.2	187049.3
-15°	22100.7	30398.0	40281.6	54470.1	71039.6	88090.4	107264.4	127951.5	149445.0	171130.7	190153.5
-17.5°	22581.8	30672.8	41225.6	54447.2	71797.8	88296.4	107318.6	128558.6	151520.8	173387.7	190523.7
-20°	22381.5	30857.8	41357.3	54037.7	69357.4	86257.1	104173.5	126391.0	149760.9	170733.3	187691.8



REPORT NUMBER: P1212117 (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°	22032.5	30343.2	40141.7	52090.1	65649.9	81275.8	99610.9	122822.9	146223.3	164356.8	181802.7
-25°	20985.6	28901.1	38152.4	49181.6	61442.3	75875.5	94732.2	115924.2	136302.5	155031.1	171256.5
-27.5°	19094.5	27011.7	35752.7	45693.4	56914.9	70597.5	87549.0	106044.3	123735.8	141013.1	156558.8
-30°	16227.0	24149.5	32635.5	41813.7	52442.5	64830.8	78817.6	94221.7	110220.2	125465.0	138910.4
-32.5°	14284.4	20142.4	28401.3	37293.9	47004.6	57982.9	70035.3	83305.3	96579.1	109108.2	120777.9
-35°	12151.4	16927.6	22960.6	31798.8	41052.9	50521.9	61156.9	72843.5	84649.0	94988.4	104811.1
-37.5°	10672.9	13983.4	19086.3	25563.7	33809.1	42910.1	52579.4	62443.4	72107.3	81341.2	90146.5
-40°	9355.5	12121.0	16097.4	20850.0	27125.2	34158.4	43065.7	52051.4	60423.5	68262.5	75786.0
-42.5°	8105.7	10669.0	13902.3	17764.6	22042.9	27440.8	34074.8	41070.2	47713.8	54610.7	60999.9
-45°	7215.4	9300.0	11778.8	14988.0	18491.5	22566.9	26988.9	31493.5	36721.9	41940.0	46337.5
-47.5°	6553.6	8139.5	10159.7	12461.7	15129.3	18398.9	21836.2	25253.3	28862.3	32441.8	35287.0
-50°	5834.1	7170.6	8744.4	10505.6	12640.9	14964.6	17379.4	20031.5	22866.8	25597.3	27591.5
-52.5°	5044.1	6172.3	7436.6	8930.1	10644.3	12414.1	14231.5	16343.4	18464.1	20530.1	21923.8
-55°	4353.1	5224.2	6175.3	7409.7	8806.1	10303.6	11825.9	13345.1	14948.4	16600.8	17624.5
-57.5°	3687.4	4360.1	5131.6	6079.5	7093.6	8162.4	9371.6	10636.3	11867.8	13020.7	13769.1
-60°	3068.3	3560.7	4209.0	4941.8	5698.6	6475.9	7431.0	8402.0	9365.8	10231.4	10781.3
-62.5°	2515.3	2921.3	3415.2	3966.8	4554.9	5192.7	5880.3	6592.5	7318.6	7951.8	8378.7
-65°	2010.3	2335.1	2712.6	3114.0	3536.0	4029.3	4559.8	5089.8	5614.5	6051.0	6373.1
-67.5°	1606.5	1841.3	2106.7	2381.2	2697.6	3057.5	3455.1	3853.8	4250.0	4574.3	4831.1
-70°	1261.5	1435.6	1629.7	1839.0	2068.9	2324.2	2607.2	2890.8	3172.7	3399.7	3592.1
-72.5°	971.4	1098.0	1242.3	1404.0	1569.1	1753.0	1954.7	2161.9	2372.0	2535.4	2675.6
-75°	737.3	825.0	933.9	1046.5	1161.9	1290.6	1424.6	1558.1	1690.0	1792.2	1883.8
-77.5°	580.0	646.0	717.4	790.2	864.0	949.7	1039.9	1131.2	1222.9	1292.0	1355.6
-80°	484.5	525.3	569.8	616.2	664.3	721.3	780.2	839.4	898.7	944.7	988.1
-82.5°	413.5	440.1	467.9	496.3	525.1	562.8	601.7	640.7	679.9	712.4	744.1
-85°	360.8	378.2	396.3	414.6	433.2	458.9	485.0	511.4	537.8	560.3	582.5
-87.5°	322.4	333.8	345.3	357.0	368.7	385.1	401.7	418.4	435.1	450.9	466.6
-90°	45.3	41.8	38.3	34.8	31.3	28.0	24.7	21.4	18.1	15.2	12.4



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	401.0	414.0	416.5	418.9	416.5	414.0	401.0	388.1	375.1	362.1	352.0
87.5°	9.5	6.6	4.1	1.6	4.1	6.6	9.5	12.4	15.2	18.1	21.4
85°	8.9	5.8	3.7	1.6	3.7	5.8	8.9	12.0	15.1	18.2	21.5
82.5°	9.0	5.9	3.3	0.8	3.3	5.9	9.0	12.1	15.2	18.3	21.6
80°	9.0	5.9	3.7	1.6	3.7	5.9	9.0	12.1	15.3	18.4	21.7
77.5°	9.1	5.9	3.4	0.8	3.4	5.9	9.1	12.2	15.4	18.6	21.9
75°	9.2	6.0	3.4	0.8	3.4	6.0	9.2	12.4	15.5	18.8	22.2
72.5°	9.3	6.1	3.8	1.6	3.8	6.1	9.3	12.5	15.7	19.0	22.4
70°	9.5	6.2	3.5	0.8	3.5	6.2	9.5	12.7	16.0	19.3	22.8
67.5°	9.6	6.3	3.5	0.8	3.5	6.3	9.6	12.9	16.2	19.6	23.2
65°	9.6	6.4	3.6	0.8	3.6	6.4	9.6	12.8	16.0	19.6	23.4
62.5°	9.8	6.5	3.6	0.8	3.6	6.5	9.8	13.0	16.2	19.8	23.7
60°	10.0	6.7	3.7	0.8	3.7	6.7	10.0	13.3	16.6	20.4	24.3
57.5°	10.5	6.9	3.4	0.0	3.4	6.9	10.5	14.1	17.5	21.3	25.1
55°	10.6	7.1	3.8	0.8	3.8	7.1	10.6	14.2	17.8	22.0	26.0
52.5°	11.2	7.4	4.0	0.8	4.0	7.4	11.2	14.9	18.6	22.6	26.7
50°	11.3	7.6	3.8	0.0	3.8	7.6	11.3	15.1	19.2	23.6	27.8
47.5°	12.0	8.0	3.9	0.0	3.9	8.0	12.0	16.0	20.1	24.4	28.7
45°	12.6	8.3	4.3	0.8	4.3	8.3	12.6	16.9	21.3	25.7	30.0
42.5°	12.8	8.6	4.3	0.0	4.3	8.6	12.8	17.2	22.1	26.8	31.3
40°	13.8	9.2	4.5	0.0	4.5	9.2	13.8	18.2	23.1	28.0	32.8
37.5°	14.7	9.7	4.9	0.8	4.9	9.7	14.7	19.6	24.7	29.7	34.7
35°	15.6	10.3	5.2	0.8	5.2	10.3	15.6	21.1	26.6	31.4	37.1
32.5°	19.2	12.9	6.2	0.8	6.2	12.9	19.2	25.2	30.6	35.9	41.3
30°	22.3	15.0	7.4	0.0	7.4	15.0	22.3	30.0	37.6	43.0	47.9
27.5°	22.8	14.9	7.2	0.8	7.2	14.9	22.8	31.2	40.5	47.5	54.0
25°	22.6	15.3	8.4	2.5	8.4	15.3	22.6	30.2	38.3	48.2	57.7
22.5°	23.1	15.3	8.3	4.9	8.3	15.3	23.1	31.3	39.4	47.7	57.1
20°	25.2	17.3	11.6	6.6	11.6	17.3	25.2	32.9	41.4	50.0	58.4
17.5°	35.9	27.1	21.0	17.3	21.0	27.1	35.9	39.7	50.8	60.3	69.7
15°	66.5	56.7	48.5	44.4	48.5	56.7	66.5	76.2	87.3	96.4	109.8
12.5°	120.3	103.8	89.7	73.7	89.7	103.8	120.3	150.0	163.4	195.4	284.1
10°	3323.2	2761.4	2338.8	1451.8	2338.8	2761.4	3323.2	1330.2	4676.2	3393.2	2818.2
7.5°	33489.0	37483.2	39754.9	42268.8	39754.9	37483.2	33489.0	31154.7	28738.8	22964.4	17034.6
5°	77990.4	88991.7	88816.5	93000.6	88816.5	88991.7	77990.4	72029.1	61678.6	50169.2	42598.4
2.5°	103879.2	112477.5	112817.7	113737.8	112817.7	112477.5	103879.2	95681.6	87633.5	76349.0	63203.2
0°	153240.8	162534.7	164011.1	164383.2	164011.1	162534.7	153240.8	142139.6	129349.5	112306.1	95028.6
-2.5°	174534.6	185202.7	188142.7	188982.7	188142.7	185202.7	174534.6	160857.3	145790.0	126661.0	105108.5
-5°	175758.1	184369.3	187128.9	188417.7	187128.9	184369.3	175758.1	163336.4	149375.8	130671.8	107455.9
-7.5°	184516.9	191735.6	194387.8	195197.2	194387.8	191735.6	184516.9	171274.0	155414.4	134242.2	113571.0
-10°	195767.0	203545.2	207356.7	207344.5	207356.7	203545.2	195767.0	182572.4	162286.0	140176.1	119460.9
-12.5°	202851.1	214057.9	218956.8	220903.3	218956.8	214057.9	202851.1	187049.3	168411.2	145519.6	123819.8
-15°	204987.2	216974.1	223226.3	225706.0	223226.3	216974.1	204987.2	190153.5	171130.7	149445.0	127951.5
-17.5°	204533.1	216676.8	222104.7	223728.3	222104.7	216676.8	204533.1	190523.7	173387.7	151520.8	128558.6
-20°	201171.4	212936.3	219053.5	220621.4	219053.5	212936.3	201171.4	187691.8	170733.3	149760.9	126391.0



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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°	194995.7	205494.8	211438.7	213559.1	211438.7	205494.8	194995.7	181802.7	164356.8	146223.3	122822.9
-25°	185135.9	194901.3	201206.3	204236.8	201206.3	194901.3	185135.9	171256.5	155031.1	136302.5	115924.2
-27.5°	170842.3	179787.0	186604.0	187570.0	186604.0	179787.0	170842.3	156558.8	141013.1	123735.8	106044.3
-30°	151885.3	159159.4	164676.9	166366.6	164676.9	159159.4	151885.3	138910.4	125465.0	110220.2	94221.7
-32.5°	130608.1	136982.3	141891.2	143807.0	141891.2	136982.3	130608.1	120777.9	109108.2	96579.1	83305.3
-35°	112540.6	118129.1	122435.3	123120.5	122435.3	118129.1	112540.6	104811.1	94988.4	84649.0	72843.5
-37.5°	96219.6	100631.1	103827.8	104815.0	103827.8	100631.1	96219.6	90146.5	81341.2	72107.3	62443.4
-40°	80189.2	83851.8	86330.1	86591.0	86330.1	83851.8	80189.2	75786.0	68262.5	60423.5	52051.4
-42.5°	64318.9	66887.6	68545.8	69137.3	68545.8	66887.6	64318.9	60999.9	54610.7	47713.8	41070.2
-45°	48874.8	50852.7	52399.5	53608.7	52399.5	50852.7	48874.8	46337.5	41940.0	36721.9	31493.5
-47.5°	37145.3	38681.1	39511.4	39582.1	39511.4	38681.1	37145.3	35287.0	32441.8	28862.3	25253.3
-50°	29023.6	30218.5	30874.1	31031.8	30874.1	30218.5	29023.6	27591.5	25597.3	22866.8	20031.5
-52.5°	23079.7	24125.0	24729.1	24948.9	24729.1	24125.0	23079.7	21923.8	20530.1	18464.1	16343.4
-55°	18509.1	19277.5	19864.1	20293.9	19864.1	19277.5	18509.1	17624.5	16600.8	14948.4	13345.1
-57.5°	14453.9	15065.8	15391.5	15530.3	15391.5	15065.8	14453.9	13769.1	13020.7	11867.8	10636.3
-60°	11281.8	11727.6	11983.3	12126.3	11983.3	11727.6	11281.8	10781.3	10231.4	9365.8	8402.0
-62.5°	8765.8	9109.8	9279.0	9360.1	9279.0	9109.8	8765.8	8378.7	7951.8	7318.6	6592.5
-65°	6667.0	6930.9	7084.5	7188.2	7084.5	6930.9	6667.0	6373.1	6051.0	5614.5	5089.8
-67.5°	5067.9	5283.5	5325.5	5315.9	5325.5	5283.5	5067.9	4831.1	4574.3	4250.0	3853.8
-70°	3774.7	3945.6	3977.3	3975.2	3977.3	3945.6	3774.7	3592.1	3399.7	3172.7	2890.8
-72.5°	2807.7	2930.5	2971.7	2993.3	2971.7	2930.5	2807.7	2675.6	2535.4	2372.0	2161.9
-75°	1970.5	2051.8	2094.5	2128.3	2094.5	2051.8	1970.5	1883.8	1792.2	1690.0	1558.1
-77.5°	1416.6	1474.5	1491.5	1502.8	1491.5	1474.5	1416.6	1355.6	1292.0	1222.9	1131.2
-80°	1030.1	1070.5	1076.3	1079.0	1076.3	1070.5	1030.1	988.1	944.7	898.7	839.4
-82.5°	775.2	805.6	809.7	812.3	809.7	805.6	775.2	744.1	712.4	679.9	640.7
-85°	604.4	626.0	631.0	635.4	631.0	626.0	604.4	582.5	560.3	537.8	511.4
-87.5°	482.1	497.6	499.9	502.0	499.9	497.6	482.1	466.6	450.9	435.1	418.4
-90°	9.5	6.6	4.1	1.6	4.1	6.6	9.5	12.4	15.2	18.1	21.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	342.0	331.9	321.8	314.4	307.0	299.6	292.2	287.9	283.6	279.2	274.9
87.5°	24.7	28.0	31.3	34.8	38.3	41.8	45.3	49.0	52.7	56.4	60.1
85°	24.8	28.1	31.4	34.9	38.4	41.9	45.5	49.2	52.9	56.6	60.2
82.5°	24.9	28.2	31.6	35.1	38.6	42.1	45.6	49.4	53.1	56.8	60.4
80°	25.1	28.4	31.8	35.3	38.8	42.4	45.9	49.6	53.3	57.0	60.7
77.5°	25.3	28.6	32.0	35.6	39.1	42.7	46.3	50.0	53.7	57.4	61.0
75°	25.6	28.9	32.4	36.0	39.5	43.1	46.6	50.2	53.9	57.6	61.2
72.5°	25.9	29.3	32.8	36.4	40.0	43.5	47.1	50.6	54.2	57.7	61.2
70°	26.2	29.7	33.2	36.9	40.5	44.1	47.7	51.2	54.8	58.3	61.8
67.5°	26.7	30.2	33.8	37.5	41.1	44.7	48.3	51.9	55.4	59.0	62.4
65°	27.1	30.7	34.4	38.1	41.8	45.4	49.1	52.7	56.2	59.7	63.2
62.5°	27.5	31.3	34.9	38.5	42.3	46.2	50.1	53.8	57.3	60.6	64.1
60°	28.2	32.0	35.6	39.2	42.7	46.4	50.6	54.7	58.8	62.0	65.1
57.5°	29.0	32.8	36.5	40.1	43.6	47.5	51.4	55.3	59.3	63.0	66.4
55°	29.9	33.8	37.6	41.2	44.7	48.7	52.6	56.5	60.3	63.8	67.3
52.5°	30.8	34.9	38.9	42.9	46.5	50.2	54.0	57.9	61.5	65.0	68.4
50°	31.9	36.1	40.2	44.2	48.2	52.0	55.6	59.4	62.9	66.4	69.8
47.5°	33.1	37.4	41.5	45.6	49.8	53.9	57.5	60.9	64.4	67.9	71.3
45°	34.4	38.8	43.1	47.3	51.5	55.7	59.7	62.9	66.1	69.5	72.8
42.5°	35.9	40.4	44.8	49.0	53.1	57.4	61.4	64.9	68.1	71.3	74.4
40°	37.5	42.2	46.8	51.3	55.3	59.0	63.1	66.7	70.0	73.1	76.0
37.5°	39.3	43.5	48.9	53.9	58.1	61.9	65.4	68.9	71.9	75.1	77.9
35°	42.3	47.0	51.9	56.8	61.3	65.2	68.4	71.6	74.6	77.3	80.1
32.5°	45.5	51.1	56.7	61.0	65.8	69.4	72.2	74.7	77.7	80.1	82.5
30°	52.4	56.0	60.7	66.0	70.7	75.9	77.0	78.8	81.0	83.4	85.2
27.5°	58.8	62.7	66.0	69.5	74.1	80.5	83.6	83.3	84.8	86.8	88.4
25°	63.9	69.0	72.2	74.8	77.9	82.5	87.8	88.4	89.3	90.6	92.1
22.5°	67.2	74.4	78.7	81.1	83.3	86.6	90.7	92.6	94.1	95.3	96.1
20°	69.6	80.6	85.4	92.1	91.9	91.0	95.2	100.0	102.1	101.1	100.5
17.5°	84.0	89.4	107.1	115.8	107.9	99.9	112.2	117.7	113.4	107.5	105.3
15°	113.8	130.9	145.9	149.5	150.2	147.7	144.3	141.3	128.6	116.5	121.3
12.5°	278.1	195.4	231.7	379.7	278.3	220.9	190.9	170.8	175.8	185.2	182.0
10°	941.2	3517.2	3137.1	1491.2	563.9	317.3	516.1	465.9	359.0	293.0	253.3
7.5°	15668.0	13687.0	8585.7	4418.2	3126.1	2412.3	1597.6	952.7	576.5	412.3	331.9
5°	33112.4	25785.4	18055.4	12009.0	8054.4	5144.2	2894.0	1516.7	814.9	538.1	419.5
2.5°	47649.5	37031.1	27608.0	20305.1	14233.9	9358.3	5542.8	3664.2	2646.5	1853.8	1140.6
0°	75328.1	61405.9	46632.8	36025.8	24694.6	16802.7	10016.1	7143.8	5248.4	3432.8	1877.3
-2.5°	84352.0	67499.6	54323.6	41350.1	29179.2	20240.9	13665.2	9644.2	6461.5	4190.9	2371.4
-5°	86756.8	71738.3	58797.2	46011.9	33668.2	23602.1	16631.4	11610.9	7639.4	4902.7	2799.8
-7.5°	93506.4	76779.3	62569.1	49678.7	37131.8	26415.9	18794.9	13004.2	8873.9	5773.3	3283.1
-10°	99412.7	82120.4	66750.8	52622.7	39221.0	28406.5	20168.4	14070.7	9835.6	6373.5	3615.0
-12.5°	104369.3	86006.6	68814.6	54022.2	39911.5	29751.3	21239.7	14952.6	10479.3	6643.0	3759.2
-15°	107264.4	88090.4	71039.6	54470.1	40281.6	30398.0	22100.7	15745.0	10856.0	6569.7	3685.0
-17.5°	107318.6	88296.4	71797.8	54447.2	41225.6	30672.8	22581.8	15999.6	10712.8	6372.4	3595.9
-20°	104173.5	86257.1	69357.4	54037.7	41357.3	30857.8	22381.5	15449.8	10077.3	6131.6	3839.5



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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°	99610.9	81275.8	65649.9	52090.1	40141.7	30343.2	22032.5	14796.2	8932.1	5615.5	3938.7
-25°	94732.2	75875.5	61442.3	49181.6	38152.4	28901.1	20985.6	13859.2	8596.0	5281.8	3906.8
-27.5°	87549.0	70597.5	56914.9	45693.4	35752.7	27011.7	19094.5	12310.7	7994.5	5412.1	3853.0
-30°	78817.6	64830.8	52442.5	41813.7	32635.5	24149.5	16227.0	11219.0	7602.7	5274.4	3818.8
-32.5°	70035.3	57982.9	47004.6	37293.9	28401.3	20142.4	14284.4	9943.5	6956.9	5062.1	3847.4
-35°	61156.9	50521.9	41052.9	31798.8	22960.6	16927.6	12151.4	8858.8	6358.4	4730.5	3829.0
-37.5°	52579.4	42910.1	33809.1	25563.7	19086.3	13983.4	10672.9	7939.9	5729.6	4582.3	3747.0
-40°	43065.7	34158.4	27125.2	20850.0	16097.4	12121.0	9355.5	7009.9	5520.3	4362.0	3601.6
-42.5°	34074.8	27440.8	22042.9	17764.6	13902.3	10669.0	8105.7	6469.0	5176.2	4178.8	3387.3
-45°	26988.9	22566.9	18491.5	14988.0	11778.8	9300.0	7215.4	5876.2	4807.7	3903.3	3124.0
-47.5°	21836.2	18398.9	15129.3	12461.7	10159.7	8139.5	6553.6	5297.4	4368.1	3550.8	2909.4
-50°	17379.4	14964.6	12640.9	10505.6	8744.4	7170.6	5834.1	4685.5	3885.7	3221.1	2645.3
-52.5°	14231.5	12414.1	10644.3	8930.1	7436.6	6172.3	5044.1	4144.1	3426.3	2865.7	2363.4
-55°	11825.9	10303.6	8806.1	7409.7	6175.3	5224.2	4353.1	3601.3	2995.2	2501.0	2077.5
-57.5°	9371.6	8162.4	7093.6	6079.5	5131.6	4360.1	3687.4	3080.1	2576.6	2165.7	1784.9
-60°	7431.0	6475.9	5698.6	4941.8	4209.0	3560.7	3068.3	2607.6	2181.8	1832.4	1516.4
-62.5°	5880.3	5192.7	4554.9	3966.8	3415.2	2921.3	2515.3	2152.0	1811.3	1507.0	1273.3
-65°	4559.8	4029.3	3536.0	3114.0	2712.6	2335.1	2010.3	1730.1	1483.4	1254.7	1053.6
-67.5°	3455.1	3057.5	2697.6	2381.2	2106.7	1841.3	1606.5	1386.9	1196.4	1022.0	870.4
-70°	2607.2	2324.2	2068.9	1839.0	1629.7	1435.6	1261.5	1100.1	945.4	813.2	707.8
-72.5°	1954.7	1753.0	1569.1	1404.0	1242.3	1098.0	971.4	857.7	749.6	648.0	568.9
-75°	1424.6	1290.6	1161.9	1046.5	933.9	825.0	737.3	665.8	598.1	534.5	479.6
-77.5°	1039.9	949.7	864.0	790.2	717.4	646.0	580.0	530.0	489.1	449.8	414.8
-80°	780.2	721.3	664.3	616.2	569.8	525.3	484.5	451.3	419.3	390.5	366.7
-82.5°	601.7	562.8	525.1	496.3	467.9	440.1	413.5	392.2	371.8	352.4	334.8
-85°	485.0	458.9	433.2	414.6	396.3	378.2	360.8	348.0	335.6	323.6	312.4
-87.5°	401.7	385.1	368.7	357.0	345.3	333.8	322.4	314.9	307.4	300.1	292.9
-90°	24.7	28.0	31.3	34.8	38.3	41.8	45.3	49.0	52.7	56.4	60.1



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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°	271.4	267.9	264.4	260.9	252.3	243.6	235.0	226.3	212.9	199.5	186.2
87.5°	63.4	66.7	70.0	73.2	76.1	79.0	81.9	84.8	87.3	89.7	92.2
85°	63.5	66.8	70.1	73.3	76.2	79.1	82.0	84.9	87.3	89.8	92.2
82.5°	63.7	67.0	70.2	73.5	76.4	79.2	82.1	85.0	87.4	89.9	92.3
80°	63.9	67.2	70.5	73.7	76.6	79.4	82.3	85.1	87.6	90.0	92.4
77.5°	64.3	67.5	70.8	73.9	76.8	79.7	82.5	85.3	87.7	90.1	92.5
75°	64.7	67.9	71.2	74.3	77.1	80.0	82.8	85.5	87.9	90.3	92.7
72.5°	64.8	68.3	71.6	74.7	77.5	80.3	83.2	85.8	88.2	90.5	92.9
70°	65.2	68.7	72.1	75.1	77.9	80.8	83.6	86.1	88.5	90.8	93.1
67.5°	65.9	69.3	72.7	75.6	78.4	81.2	84.0	86.5	88.8	91.1	93.4
65°	66.7	70.1	73.4	76.2	79.0	81.8	84.5	86.8	89.1	91.4	93.7
62.5°	67.5	70.9	74.1	76.9	79.6	82.3	85.0	87.3	89.5	91.8	94.0
60°	68.4	71.8	74.8	77.6	80.3	83.0	85.5	87.7	90.0	92.2	94.3
57.5°	69.6	72.8	75.6	78.3	81.0	83.7	86.2	88.3	90.4	92.6	94.7
55°	70.7	73.8	76.5	79.2	81.8	84.4	86.9	89.0	91.0	93.0	95.0
52.5°	71.8	74.9	77.7	80.2	82.7	85.2	87.6	89.8	91.7	93.5	95.3
50°	73.1	76.0	78.8	81.4	83.7	86.1	88.5	90.6	92.5	94.1	95.7
47.5°	74.4	77.2	80.0	82.7	85.0	86.9	89.3	91.6	93.4	94.9	96.1
45°	75.8	78.6	81.3	83.9	86.3	88.0	90.1	92.5	94.3	95.6	96.6
42.5°	77.2	80.0	82.6	85.2	87.3	89.1	90.8	93.3	95.2	96.3	97.2
40°	78.8	81.5	84.0	86.4	88.5	90.2	91.8	94.0	96.2	97.1	97.8
37.5°	80.4	83.0	85.6	87.8	89.7	91.3	92.9	94.7	97.0	97.9	98.5
35°	82.5	84.7	87.0	89.2	91.0	92.6	93.9	95.5	97.7	98.7	99.1
32.5°	84.7	86.6	88.7	90.6	92.5	93.9	95.0	96.7	98.4	99.5	99.8
30°	87.2	88.9	90.4	92.2	94.0	95.3	96.5	97.9	99.3	100.4	100.5
27.5°	90.0	91.3	92.4	93.9	95.5	96.9	98.4	99.4	100.3	101.3	101.3
25°	93.1	94.1	94.8	95.8	97.0	99.5	100.4	100.9	101.5	102.1	102.0
22.5°	96.6	97.1	97.3	97.7	100.6	102.3	102.7	102.7	102.8	103.0	102.8
20°	100.2	100.3	101.1	103.3	104.8	105.5	105.2	104.6	104.2	104.0	103.6
17.5°	104.1	109.9	112.2	110.6	109.6	109.0	107.9	106.6	105.7	105.0	104.4
15°	130.9	130.5	125.6	119.1	114.7	112.9	110.7	108.7	107.2	106.1	106.1
12.5°	170.0	154.8	141.0	128.7	120.2	116.9	113.5	110.8	108.8	108.8	108.9
10°	214.9	182.1	157.8	139.0	125.8	121.1	116.5	115.2	113.7	112.8	111.8
7.5°	264.0	211.3	175.5	149.7	138.8	137.2	131.8	124.8	119.2	116.9	114.7
5°	365.8	312.4	269.4	228.6	192.0	166.8	149.7	134.7	124.7	121.0	117.7
2.5°	688.0	527.2	413.7	320.2	247.0	197.1	168.0	144.8	130.3	125.1	120.6
0°	1011.5	742.4	558.0	411.5	302.0	227.2	186.0	154.7	135.8	129.2	123.5
-2.5°	1302.6	977.8	756.6	592.6	445.7	328.3	247.1	192.0	157.5	142.5	132.5
-5°	1577.2	1203.2	949.4	767.5	584.1	425.6	305.9	228.0	178.6	155.5	141.4
-7.5°	1869.8	1430.1	1140.4	933.1	714.1	516.1	361.1	261.8	198.8	168.1	150.0
-10°	2137.2	1648.6	1328.8	1085.2	835.4	603.7	414.0	292.6	217.7	180.1	158.3
-12.5°	2361.7	1845.5	1503.1	1224.6	945.0	687.9	480.1	333.3	236.8	191.3	166.2
-15°	2536.4	2017.7	1660.9	1349.5	1040.4	761.9	538.3	375.5	267.2	205.9	173.6
-17.5°	2675.9	2162.4	1800.3	1458.2	1120.0	824.5	587.1	411.7	293.8	224.2	183.5
-20°	2875.5	2295.2	1918.2	1549.3	1182.0	874.5	625.6	441.2	316.0	240.4	194.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2992.0	2413.5	2006.4	1613.4	1229.2	911.1	652.8	463.2	333.2	254.3	205.1
-25°	3006.7	2499.0	2071.9	1653.0	1264.0	939.5	673.0	477.2	345.1	265.6	214.1
-27.5°	3035.8	2551.4	2114.5	1669.7	1283.2	952.2	687.2	490.8	354.0	274.2	221.6
-30°	3061.5	2576.7	2118.0	1666.9	1283.7	954.0	690.1	496.8	363.7	281.8	227.6
-32.5°	3114.5	2574.8	2089.9	1651.8	1272.0	942.9	686.5	494.6	369.3	288.5	233.0
-35°	3130.1	2542.7	2035.8	1614.0	1245.8	933.4	679.7	484.0	370.7	293.0	237.5
-37.5°	3073.3	2473.9	1971.7	1560.2	1202.3	910.6	669.5	482.8	367.8	295.1	241.0
-40°	2940.7	2370.9	1894.1	1494.3	1157.8	874.4	648.6	480.4	366.1	295.0	243.3
-42.5°	2758.6	2248.9	1799.3	1409.8	1103.1	838.9	619.3	470.2	365.6	295.2	244.5
-45°	2581.8	2100.2	1679.9	1329.2	1035.7	791.0	598.2	454.0	361.0	295.2	245.2
-47.5°	2373.7	1931.8	1547.9	1224.9	965.6	737.0	567.4	443.0	352.4	293.7	246.0
-50°	2148.6	1745.5	1400.4	1116.8	876.9	689.0	532.5	426.6	347.4	290.1	245.6
-52.5°	1920.4	1546.3	1249.5	998.2	798.5	630.2	505.8	406.4	339.5	286.3	244.3
-55°	1680.3	1352.0	1095.7	888.7	715.1	583.2	473.0	392.4	328.9	281.5	242.1
-57.5°	1459.1	1162.5	957.6	781.5	644.5	534.6	445.4	375.3	319.2	275.2	240.0
-60°	1237.0	1011.2	823.1	692.6	581.1	490.0	419.9	357.1	308.5	267.9	236.4
-62.5°	1055.1	862.2	722.4	612.3	522.5	450.8	392.4	340.8	295.9	262.1	231.9
-65°	890.4	746.2	624.5	540.9	468.2	410.8	368.3	322.4	286.5	255.5	227.2
-67.5°	736.2	633.8	541.4	469.5	420.5	379.1	341.5	308.6	277.3	248.1	223.2
-70°	614.6	529.4	466.0	420.4	381.4	347.6	323.7	296.5	267.4	242.5	218.7
-72.5°	512.4	460.1	412.6	374.5	351.1	328.7	307.2	284.3	260.0	236.4	213.8
-75°	434.7	401.9	373.6	349.5	328.9	309.4	293.3	275.0	252.1	230.0	209.9
-77.5°	388.6	364.6	342.9	326.3	311.2	296.3	281.4	265.2	244.4	225.0	206.2
-80°	351.3	336.7	323.0	310.1	296.4	282.8	270.2	256.7	238.0	219.8	202.2
-82.5°	323.6	313.8	304.7	295.5	283.9	272.2	260.5	248.4	231.1	214.3	198.2
-85°	304.8	297.4	290.1	282.8	272.1	261.3	251.0	240.4	224.9	209.6	194.4
-87.5°	287.5	282.1	276.9	271.6	262.1	252.6	243.0	233.5	219.0	204.7	190.4
-90°	63.4	66.7	69.9	73.2	76.1	79.0	81.9	84.8	87.3	89.7	92.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	172.8	158.6	144.4	130.2	116.0	109.8	103.7
87.5°	94.6	96.4	98.3	100.1	102.0	102.9	103.7
85°	94.6	96.4	98.2	100.1	101.9	102.9	103.7
82.5°	94.7	96.4	98.2	100.0	101.9	102.8	103.7
80°	94.7	96.4	98.1	100.0	101.8	102.8	103.7
77.5°	94.8	96.5	98.1	99.9	101.8	102.8	103.7
75°	94.9	96.6	98.1	99.9	101.7	102.8	103.7
72.5°	95.1	96.8	98.3	99.8	101.7	102.8	103.7
70°	95.3	96.9	98.5	99.9	101.6	102.8	103.7
67.5°	95.4	97.1	98.7	100.0	101.6	102.8	103.7
65°	95.6	97.3	98.9	100.2	101.6	102.8	103.7
62.5°	95.8	97.5	99.1	100.4	101.5	102.8	103.7
60°	96.1	97.7	99.3	100.6	101.5	102.8	103.7
57.5°	96.3	97.9	99.5	100.8	101.7	102.8	103.7
55°	96.6	98.1	99.7	101.0	101.8	102.8	103.7
52.5°	96.8	98.4	99.9	101.2	101.9	102.8	103.7
50°	97.2	98.6	100.1	101.5	102.0	102.9	103.7
47.5°	97.5	98.9	100.3	101.7	102.2	102.9	103.7
45°	97.9	99.2	100.5	101.9	102.3	102.9	103.7
42.5°	98.3	99.5	100.8	102.0	102.4	102.9	103.7
40°	98.8	99.8	101.0	102.2	102.5	103.0	103.7
37.5°	99.2	100.1	101.3	102.4	102.7	103.0	103.7
35°	99.7	100.5	101.5	102.6	102.8	103.0	103.7
32.5°	100.3	100.9	101.8	102.8	102.9	103.1	103.7
30°	100.9	101.3	102.1	103.1	103.1	103.1	103.7
27.5°	101.4	101.8	102.6	103.3	103.2	103.1	103.7
25°	102.0	102.2	103.1	103.6	103.3	103.2	103.7
22.5°	102.6	102.9	103.7	103.9	103.5	103.2	103.7
20°	103.2	104.0	104.4	104.3	103.6	103.3	103.7
17.5°	104.6	105.3	105.1	104.6	103.7	103.3	103.7
15°	106.4	106.5	105.8	104.9	103.8	103.4	103.7
12.5°	108.4	107.8	106.5	105.3	103.9	103.4	103.7
10°	110.4	109.1	107.3	105.6	104.1	103.5	103.7
7.5°	112.4	110.5	108.1	106.0	104.2	103.5	103.7
5°	114.5	111.8	108.8	106.3	104.3	103.6	103.7
2.5°	116.5	113.1	109.6	106.7	104.4	103.6	103.7
0°	118.5	114.4	110.3	107.0	104.5	103.7	103.7
-2.5°	124.7	118.0	112.6	108.5	105.4	104.1	103.7
-5°	130.9	121.6	114.9	110.0	106.2	104.4	103.7
-7.5°	136.8	125.0	117.1	111.4	107.1	104.8	103.7
-10°	142.4	128.4	119.3	112.9	107.9	105.1	103.7
-12.5°	147.7	131.5	121.3	114.3	108.7	105.5	103.7
-15°	152.5	134.5	123.4	115.6	109.5	105.8	103.7
-17.5°	156.9	137.4	125.3	116.9	110.3	106.2	103.7
-20°	162.2	139.9	127.1	118.1	111.1	106.5	103.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	169.3	142.3	128.8	119.3	111.8	106.8	103.7
-25°	175.7	146.5	130.4	120.4	112.5	107.1	103.7
-27.5°	181.5	151.4	131.9	121.4	113.1	107.4	103.7
-30°	186.5	155.8	133.4	122.3	113.8	107.7	103.7
-32.5°	190.7	159.7	136.5	123.2	114.3	108.0	103.7
-35°	194.9	163.1	139.4	124.0	114.9	108.2	103.7
-37.5°	198.7	166.1	141.9	124.7	115.4	108.5	103.7
-40°	201.8	169.1	144.1	125.3	115.9	108.7	103.7
-42.5°	204.1	171.6	146.0	126.2	116.3	108.9	103.7
-45°	205.7	173.5	147.8	127.5	116.7	109.1	103.7
-47.5°	206.4	175.0	149.3	128.6	117.0	109.3	103.7
-50°	207.2	175.9	150.5	129.7	117.3	109.4	103.7
-52.5°	207.4	176.3	151.4	130.8	117.5	109.6	103.7
-55°	206.8	176.7	152.0	131.6	117.7	109.7	103.7
-57.5°	205.6	176.8	152.3	132.4	117.9	109.8	103.7
-60°	203.9	176.4	152.4	132.9	118.0	109.9	103.7
-62.5°	202.4	175.7	152.7	133.4	118.1	110.0	103.7
-65°	200.3	174.5	152.8	133.7	118.1	110.1	103.7
-67.5°	197.8	173.5	152.7	133.8	118.0	110.1	103.7
-70°	194.8	172.7	152.4	133.9	118.0	110.2	103.7
-72.5°	192.7	171.5	151.9	133.8	117.8	110.2	103.7
-75°	190.4	170.2	151.2	133.6	117.7	110.2	103.7
-77.5°	187.9	168.5	150.4	133.3	117.5	110.1	103.7
-80°	185.0	166.8	149.5	132.9	117.2	110.1	103.7
-82.5°	182.2	165.0	148.4	132.3	117.0	110.1	103.7
-85°	179.3	163.1	147.2	131.7	116.7	110.0	103.7
-87.5°	176.1	160.9	145.9	131.0	116.4	109.9	103.7
-90°	94.6	96.5	98.3	100.2	102.1	102.9	103.7

(END OF REPORT)