

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: P1212075 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-3S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212075 (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: EPHEBUS
Catalog Number: EPH-LS12-1000R-40-70-3S-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

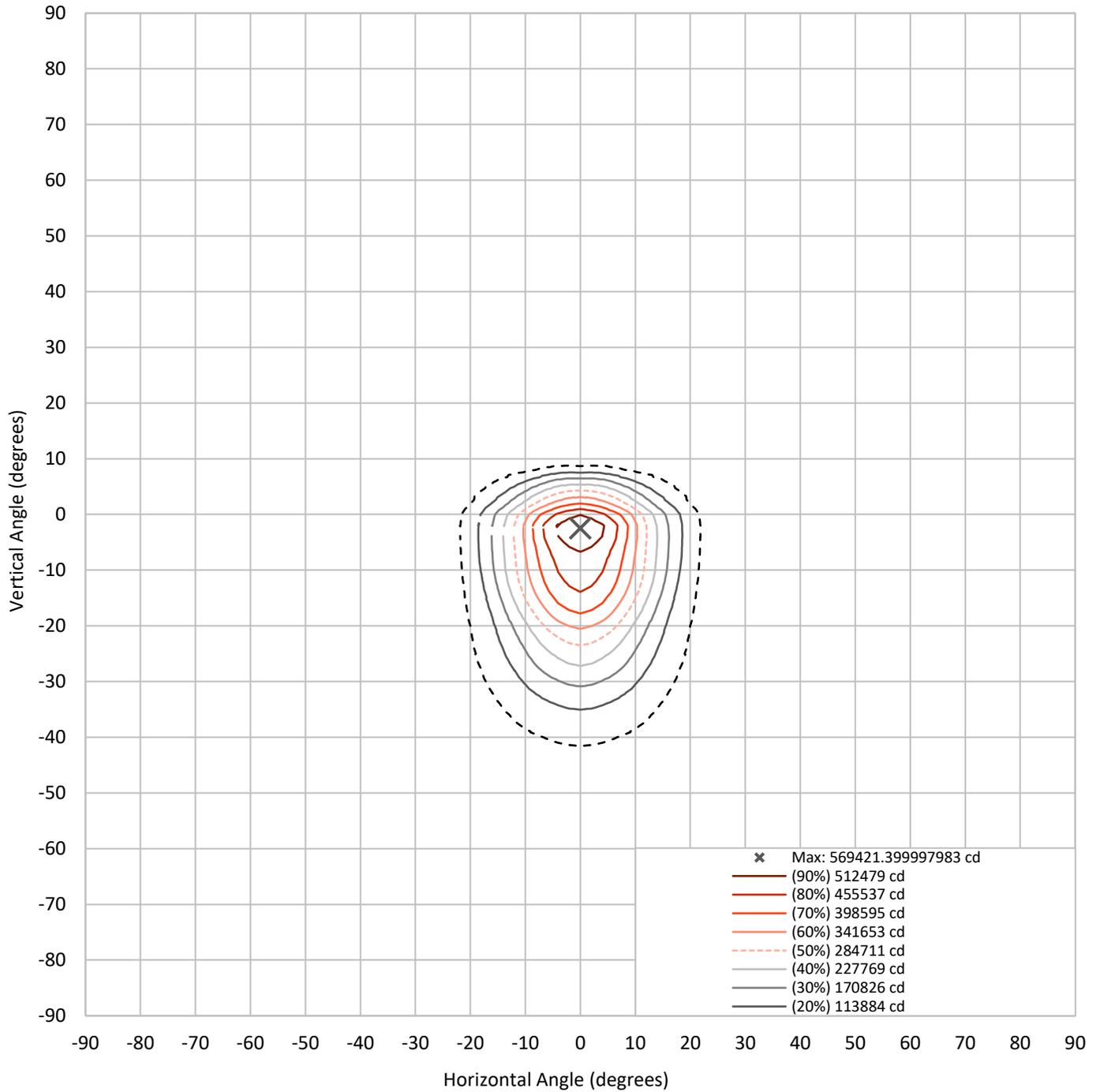
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	140308.3 lumens	Max Intensity:	569421.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	134.8 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:	65869.6 lumens	Field Lumens:	117183.9 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-40-70-3S-ECV

Iso-Candela Plot



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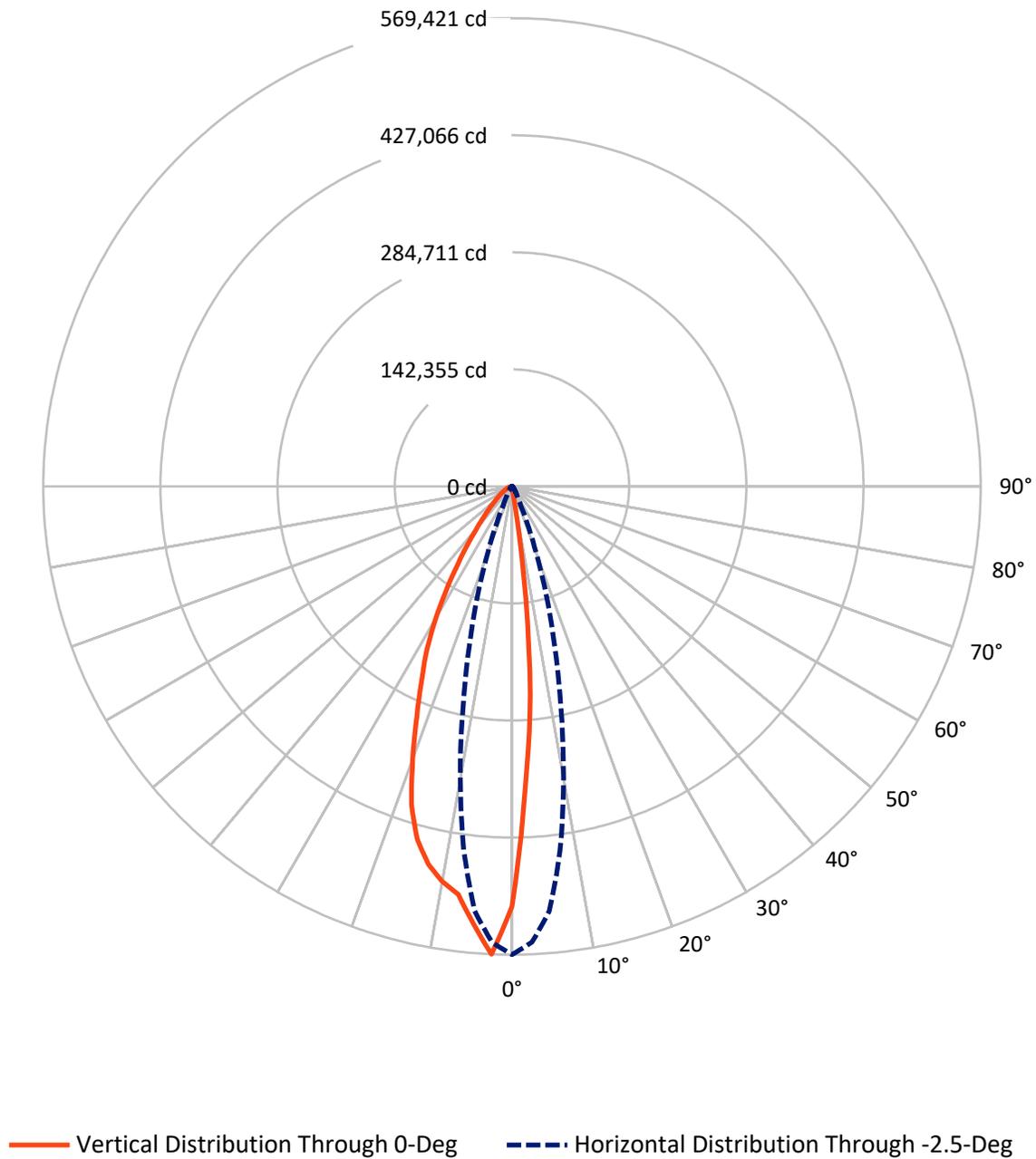
CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-ECV

Lumen Table

90	2.4	6.2	7.5	6.4	5.0	6.4	7.5	6.2	2.4										
80	2.4	6.2	7.5	6.4	5.0	6.4	7.5	6.2	2.4										
70	2.3	1.3	1.5	1.6	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.6	1.5	1.3	2.3			
60		1.3	1.6	1.7	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.7	1.6	1.3				
50	2.3	1.3	1.7	1.8	1.8	1.4	0.9	0.3	0.3	0.9	1.4	1.8	1.8	1.7	1.3	2.3			
40		1.4	1.8	2.0	2.0	1.7	1.2	0.4	0.4	1.2	1.7	2.0	2.0	1.8	1.4				
30	2.4	1.5	1.9	2.2	2.4	2.5	1.8	0.6	0.6	1.8	2.5	2.4	2.2	1.9	1.5	2.4			
20		1.6	2.4	3.5	5.0	9.1	15.0	17.4	17.4	15.0	9.1	5.0	3.5	2.4	1.6				
10	2.8	2.0	5.8	18.3	58.2	370.3	2483.3	6386.9	6386.9	2483.3	370.3	58.2	18.3	5.8	2.0	2.8			
0		3.7	21.4	71.2	201.1	947.2	5941.5	13959.7	13959.7	5941.5	947.2	201.1	71.2	21.4	3.7				
-10	3.8	6.5	34.8	118.2	280.8	928.2	4813.5	11495.8	11495.8	4813.5	928.2	280.8	118.2	34.8	6.5	3.8			
-20		8.5	38.8	124.2	305.2	798.5	2969.2	6863.4	6863.4	2969.2	798.5	305.2	124.2	38.8	8.5				
-30	4.6	8.9	37.6	110.7	272.6	602.9	1571.9	3129.3	3129.3	1571.9	602.9	272.6	110.7	37.6	8.9	4.6			
-40		8.2	32.2	89.6	199.8	394.2	762.8	1180.6	1180.6	762.8	394.2	199.8	89.6	32.2	8.2				
-50	4.6	6.5	23.0	62.7	132.7	236.6	386.9	516.8	516.8	386.9	236.6	132.7	62.7	23.0	6.5	4.6			
-60		4.9	12.6	33.7	70.6	121.2	182.9	226.1	226.1	182.9	121.2	70.6	33.7	12.6	4.9				
-70	4.0	4.9	12.6	33.7	70.6	121.2	182.9	226.1	226.1	182.9	121.2	70.6	33.7	12.6	4.9	4.0			
-80		4.0	19.5	57.3	144.1	207.3	144.1	57.3	19.5	4.0									
-90	4.0	19.5	57.3	144.1	207.3	144.1	57.3	19.5	4.0										

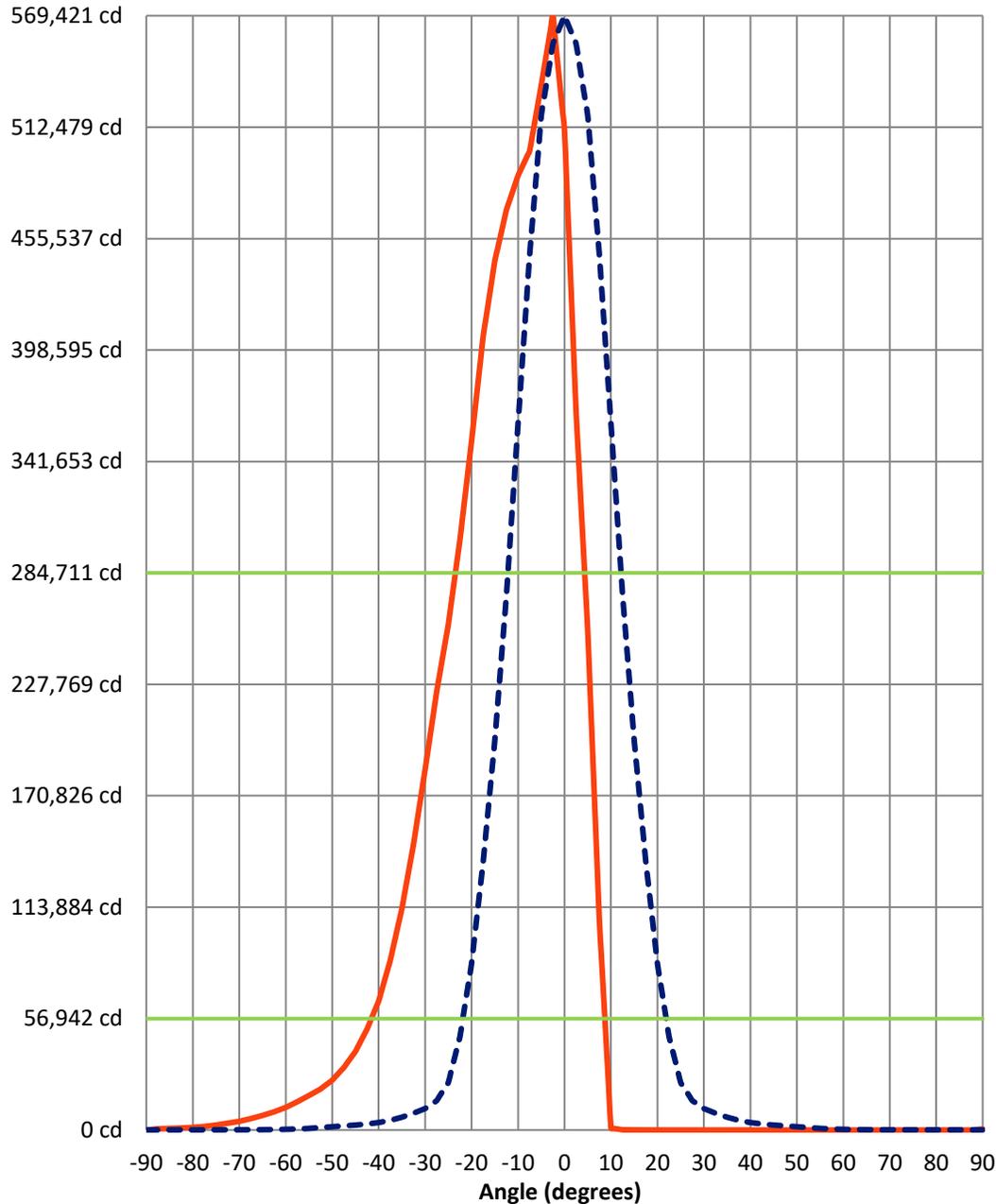
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CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 24.4°
 V Angle: 27.8°
 Lumens: 65869.6
 Efficiency: 46.9%

Field:
 H Angle: 43.8°
 V Angle: 50.3°
 Lumens: 117183.9
 Efficiency: 83.5%

Spill:
 Lumens: 23124.4
 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°	116.0	122.5	129.0	147.0	165.0	183.0	201.0	216.5	232.0	247.5	263.0
87.5°	116.0	114.5	113.1	111.6	110.1	108.6	107.0	104.8	102.5	100.3	98.0
85°	116.0	114.5	113.2	111.7	110.2	108.6	107.0	104.8	102.6	100.3	98.1
82.5°	116.0	114.6	113.3	111.8	110.3	108.7	107.1	104.9	102.6	100.4	98.2
80°	116.0	114.6	113.4	112.0	110.4	108.8	107.2	105.0	102.8	100.5	98.3
77.5°	116.0	114.6	113.5	112.1	110.6	108.9	107.2	105.1	102.9	100.7	98.5
75°	116.0	114.7	113.6	112.3	110.7	109.0	107.3	105.3	103.1	100.9	98.7
72.5°	116.0	114.7	113.7	112.4	110.7	109.0	107.4	105.4	103.3	101.1	98.9
70°	116.0	114.8	113.8	112.5	110.7	109.0	107.5	105.6	103.5	101.4	99.2
67.5°	116.0	114.8	113.9	112.5	110.7	109.1	107.7	105.9	103.8	101.7	99.5
65°	116.0	114.8	114.0	112.5	110.7	109.2	107.9	106.1	104.1	102.0	99.9
62.5°	116.0	114.9	114.2	112.5	110.8	109.4	108.1	106.4	104.4	102.3	100.3
60°	116.0	114.9	114.3	112.5	110.8	109.7	108.3	106.8	104.8	102.7	100.7
57.5°	116.0	115.0	114.2	112.5	111.0	109.9	108.6	107.1	105.1	103.2	101.3
55°	116.0	115.0	114.2	112.6	111.3	110.2	108.8	107.4	105.6	103.7	101.9
52.5°	116.0	115.1	114.2	112.6	111.5	110.5	109.1	107.7	106.0	104.4	102.7
50°	116.0	115.1	114.2	112.6	111.8	110.8	109.4	108.1	106.6	105.2	103.3
47.5°	116.0	115.1	114.3	112.7	112.1	111.0	109.7	108.5	107.3	106.0	104.0
45°	116.0	115.2	114.3	112.9	112.4	111.3	110.1	108.9	108.0	106.7	104.8
42.5°	116.0	115.2	114.3	113.2	112.7	111.5	110.5	109.5	108.7	107.4	105.5
40°	116.0	115.3	114.4	113.4	113.0	111.8	111.0	110.0	109.3	108.1	106.3
37.5°	116.0	115.3	114.4	113.7	113.2	112.1	111.4	110.6	109.9	108.8	107.2
35°	116.0	115.4	114.5	113.9	113.5	112.5	111.9	111.2	110.6	109.6	108.0
32.5°	116.0	115.4	114.6	114.2	113.7	112.9	112.5	111.7	111.3	110.5	109.1
30°	116.0	115.5	114.6	114.5	114.0	113.4	112.9	112.3	112.1	111.5	110.4
27.5°	116.0	115.5	114.7	114.8	114.4	113.8	113.4	113.0	113.0	112.5	111.8
25°	116.0	115.6	114.8	115.1	115.0	114.3	113.9	113.7	113.9	113.8	113.4
22.5°	116.0	115.6	114.9	115.4	115.5	114.9	114.4	114.4	114.9	115.1	115.2
20°	116.0	115.6	115.0	115.7	116.2	116.0	114.8	115.2	115.9	116.5	117.1
17.5°	116.0	115.7	115.1	116.0	116.9	117.2	116.1	116.0	117.0	118.0	119.0
15°	116.0	115.7	115.2	116.3	117.6	118.4	117.9	117.7	118.0	119.6	121.0
12.5°	116.0	115.8	115.4	116.6	118.3	119.7	119.8	120.5	120.7	121.2	123.1
10°	116.0	115.8	115.5	116.9	119.0	120.9	121.8	123.4	124.7	126.4	127.7
7.5°	116.0	115.9	115.6	117.2	119.8	122.2	123.9	126.3	128.8	132.2	138.2
5°	116.0	115.9	115.7	117.5	120.5	123.5	125.9	129.2	132.9	138.2	149.1
2.5°	116.0	116.0	115.9	117.7	121.3	124.8	128.0	132.1	137.0	144.1	160.1
0°	116.0	116.0	116.0	118.0	122.0	126.0	130.0	135.0	141.0	150.0	171.0
-2.5°	116.0	116.4	116.9	119.6	124.5	130.4	137.1	144.9	154.8	173.4	214.0
-5°	116.0	116.7	117.8	121.3	126.9	134.7	144.0	154.6	168.3	196.2	255.4
-7.5°	116.0	117.1	118.7	122.9	129.2	138.9	150.7	164.1	181.4	217.9	294.1
-10°	116.0	117.5	119.6	124.4	131.5	142.9	157.2	173.3	194.0	238.0	329.0
-12.5°	116.0	117.8	120.5	125.9	133.7	146.7	163.3	182.0	206.0	259.3	382.8
-15°	116.0	118.2	121.4	127.4	135.9	150.2	169.1	190.3	224.2	300.7	441.1
-17.5°	116.0	118.5	122.2	128.8	137.9	153.4	174.3	202.7	249.5	337.0	491.0
-20°	116.0	118.9	123.0	130.2	139.8	156.3	180.9	217.8	271.9	367.5	531.5



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CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	116.0	119.2	123.8	131.4	141.7	158.8	190.0	231.2	291.0	391.7	561.7
-25°	116.0	119.5	124.6	132.6	143.4	163.5	198.2	242.9	306.5	408.8	580.5
-27.5°	116.0	119.8	125.3	133.8	145.0	169.0	205.4	252.7	318.1	421.8	600.0
-30°	116.0	120.1	126.0	134.8	146.7	173.9	211.6	260.5	328.3	435.2	609.7
-32.5°	116.0	120.4	126.6	135.8	150.5	178.3	216.7	267.4	337.0	442.7	608.5
-35°	116.0	120.7	127.2	136.6	154.0	182.1	221.5	273.0	342.8	444.2	596.3
-37.5°	116.0	120.9	127.8	137.4	157.1	185.7	225.7	277.1	345.4	439.4	602.3
-40°	116.0	121.2	128.3	138.0	159.9	189.3	229.1	279.5	344.8	436.6	603.7
-42.5°	116.0	121.4	128.8	139.0	162.4	192.4	231.6	280.2	344.4	437.9	592.1
-45°	116.0	121.6	129.2	140.7	164.6	194.9	233.3	280.5	343.3	432.0	570.3
-47.5°	116.0	121.8	129.6	142.2	166.5	196.8	234.2	281.3	339.9	418.3	552.3
-50°	116.0	122.0	129.9	143.6	168.0	198.1	235.2	281.0	333.5	409.3	524.2
-52.5°	116.0	122.1	130.2	144.9	169.2	198.8	235.6	279.6	328.0	395.5	488.5
-55°	116.0	122.3	130.4	146.1	170.1	199.4	235.2	277.2	322.3	377.4	464.6
-57.5°	116.0	122.4	130.6	147.1	170.6	199.6	233.9	274.9	314.7	364.5	435.2
-60°	116.0	122.5	130.7	147.9	170.8	199.3	232.0	270.5	306.0	351.9	406.9
-62.5°	116.0	122.6	130.8	148.6	171.4	198.5	230.3	264.9	298.7	337.2	387.9
-65°	116.0	122.7	130.8	149.1	171.7	197.3	228.1	259.1	290.4	325.5	366.5
-67.5°	116.0	122.7	130.8	149.4	171.8	196.3	225.2	254.2	281.2	313.9	349.5
-70°	116.0	122.8	130.8	149.6	171.6	195.6	221.8	248.9	274.8	301.4	334.1
-72.5°	116.0	122.8	130.7	149.7	171.2	194.6	219.6	243.3	268.0	293.3	319.0
-75°	116.0	122.8	130.6	149.7	170.6	193.3	217.4	239.2	260.9	284.9	309.3
-77.5°	116.0	122.8	130.4	149.5	170.1	191.6	214.7	235.5	256.1	277.0	299.2
-80°	116.0	122.7	130.2	149.3	169.4	190.2	211.7	231.6	251.4	271.4	291.6
-82.5°	116.0	122.7	129.9	148.9	168.5	188.7	209.3	227.7	246.3	265.5	284.7
-85°	116.0	122.6	129.6	148.4	167.5	187.0	206.8	224.2	241.8	259.6	277.6
-87.5°	116.0	122.6	129.3	147.7	166.3	185.1	204.0	220.5	237.0	253.7	270.5
-90°	116.0	114.5	113.0	111.5	110.0	108.5	107.0	104.8	102.5	100.3	98.0



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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°	271.8	280.5	289.3	298.0	304.0	310.0	316.0	322.0	331.0	340.0	349.0
87.5°	95.0	92.0	89.0	86.0	82.3	78.5	74.8	71.0	67.0	63.0	59.0
85°	95.1	92.1	89.1	86.0	82.2	78.5	74.8	71.2	67.2	63.2	59.2
82.5°	95.2	92.0	88.8	85.6	82.0	78.4	74.8	71.3	67.4	63.4	59.4
80°	95.2	92.0	88.9	85.8	82.4	78.9	75.3	71.6	67.7	63.7	59.7
77.5°	95.5	92.5	89.5	86.6	83.2	79.5	75.8	72.0	68.1	64.1	60.1
75°	95.9	93.0	90.1	87.1	83.7	80.0	76.2	72.5	68.6	64.6	60.5
72.5°	96.3	93.4	90.5	87.5	84.2	80.5	76.8	73.0	69.2	65.1	61.1
70°	96.7	93.8	90.9	88.0	84.8	81.1	77.3	73.6	69.8	65.8	61.8
67.5°	97.2	94.3	91.4	88.5	85.1	81.3	77.7	74.2	70.6	66.6	62.5
65°	97.7	94.9	91.9	88.7	85.3	82.1	78.7	75.2	71.5	67.5	63.4
62.5°	98.2	95.4	92.3	89.2	86.5	83.4	79.8	76.1	72.4	68.5	64.4
60°	98.7	96.0	93.0	90.3	87.7	84.5	80.8	77.2	73.4	69.6	65.5
57.5°	99.3	96.8	94.0	91.3	88.5	85.6	82.0	78.3	74.6	70.8	66.7
55°	99.9	97.6	94.9	92.2	89.4	86.6	83.2	79.5	75.8	72.0	68.0
52.5°	100.6	98.4	95.8	93.1	90.4	87.6	84.5	80.9	77.2	73.4	69.5
50°	101.3	99.1	96.8	94.1	91.5	88.7	85.9	82.3	78.7	74.9	71.1
47.5°	102.0	99.9	97.8	95.2	92.6	89.9	87.1	83.9	80.3	76.5	72.7
45°	102.8	100.8	98.7	96.4	93.8	91.2	88.6	85.6	82.0	78.3	74.5
42.5°	103.6	101.7	99.8	97.6	95.1	92.7	90.2	87.2	83.9	80.2	76.5
40°	104.5	102.6	100.9	98.9	96.6	94.5	91.6	88.7	85.9	82.3	78.6
37.5°	105.4	103.8	102.2	100.3	98.5	96.1	93.0	90.6	87.9	84.6	80.9
35°	106.4	105.1	103.6	101.9	100.3	97.4	95.0	92.8	90.1	86.9	83.5
32.5°	107.5	106.5	105.2	103.6	101.6	99.0	97.3	95.2	92.5	89.4	86.8
30°	109.0	108.0	106.8	105.2	103.0	101.2	99.8	97.8	94.9	92.5	90.1
27.5°	110.9	109.7	108.4	106.7	104.7	103.5	102.4	100.3	97.9	95.8	93.8
25°	113.0	112.2	109.9	108.3	106.8	106.0	105.1	103.1	101.2	99.6	97.9
22.5°	115.2	115.1	113.3	110.0	109.1	108.6	107.9	106.7	105.5	104.1	102.3
20°	117.7	118.1	117.4	115.7	112.7	111.4	111.0	110.6	110.8	111.2	110.3
17.5°	120.3	121.5	122.2	123.4	124.5	121.3	114.5	114.9	116.7	120.6	127.5
15°	123.1	125.2	127.5	132.5	138.8	143.6	143.9	132.2	124.5	133.6	151.3
12.5°	125.9	129.0	133.3	142.7	155.2	170.1	187.5	201.8	203.0	184.3	184.0
10°	128.8	133.0	139.4	153.8	173.1	200.0	238.1	284.3	330.1	380.5	422.8
7.5°	145.1	151.0	154.8	165.5	191.9	232.2	293.5	376.1	472.1	604.0	776.8
5°	164.3	185.2	221.8	271.9	350.7	413.4	450.5	477.8	623.1	844.0	1165.8
2.5°	183.7	220.2	291.5	396.5	605.6	834.1	1036.1	1227.9	1468.0	1763.9	2171.9
0°	203.0	255.0	361.0	521.0	862.0	1258.0	1625.0	1981.0	2450.0	2997.0	3690.0
-2.5°	279.1	372.2	551.0	856.0	1272.7	1706.9	2142.6	2549.1	3101.9	3856.7	4966.4
-5°	352.2	485.3	732.2	1173.1	1665.7	2139.2	2639.7	3098.2	3764.0	4706.1	6053.2
-7.5°	420.4	591.3	899.0	1447.1	1997.3	2546.1	3184.0	3829.9	4599.9	5596.0	6947.7
-10°	486.2	703.2	1045.4	1605.3	2234.4	2906.1	3687.8	4502.0	5379.8	6423.4	7761.0
-12.5°	574.2	819.0	1176.0	1738.2	2430.0	3207.5	4115.7	5096.9	6094.1	7183.3	8471.5
-15°	652.4	922.1	1289.8	1843.6	2577.4	3439.2	4454.0	5600.8	6667.4	7693.7	8965.0
-17.5°	719.4	1011.0	1385.2	1919.5	2670.5	3591.6	4650.6	5803.5	6982.7	8087.3	9403.8
-20°	773.9	1084.1	1460.8	1964.2	2711.7	3632.6	4629.7	5800.9	7111.9	8404.3	9685.4



REPORT NUMBER: P1212075 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	814.8	1140.1	1524.9	2025.4	2737.7	3608.2	4575.3	5683.9	7069.9	8627.7	9992.1
-25°	845.3	1182.7	1580.6	2081.4	2735.8	3549.0	4484.4	5473.8	6860.7	8625.1	10343.8
-27.5°	864.8	1206.4	1618.7	2108.9	2707.9	3472.9	4375.6	5333.6	6667.1	8446.9	10472.1
-30°	868.4	1217.9	1631.5	2114.1	2700.3	3413.7	4237.7	5272.8	6417.1	8094.0	10072.5
-32.5°	865.4	1213.0	1627.3	2107.5	2672.1	3327.1	4144.0	5175.1	6299.6	7562.1	9466.9
-35°	863.2	1204.8	1604.7	2069.9	2612.0	3262.7	4064.8	5006.6	6112.6	7271.1	8736.9
-37.5°	860.4	1182.2	1560.5	2011.8	2539.6	3183.6	3924.7	4820.4	5845.7	7009.8	8240.6
-40°	844.9	1145.3	1514.2	1940.2	2447.6	3065.2	3778.1	4588.1	5537.0	6646.3	7867.7
-42.5°	818.4	1113.4	1457.5	1848.1	2345.1	2915.4	3578.1	4342.5	5210.6	6222.5	7355.3
-45°	789.6	1067.1	1387.9	1773.1	2223.3	2742.8	3356.6	4054.7	4872.7	5759.2	6790.4
-47.5°	744.9	1007.7	1317.5	1672.5	2092.5	2573.5	3107.1	3767.8	4508.3	5323.8	6182.2
-50°	691.2	935.0	1225.0	1557.3	1946.7	2387.5	2883.5	3463.2	4136.2	4871.7	5661.9
-52.5°	643.1	844.4	1113.3	1419.3	1778.6	2188.0	2648.4	3176.0	3762.3	4406.9	5128.6
-55°	583.4	762.9	985.1	1265.7	1585.6	1960.7	2387.7	2863.7	3385.7	3963.9	4579.5
-57.5°	534.4	676.1	866.7	1098.3	1384.5	1708.4	2109.3	2524.8	2990.0	3498.8	4036.7
-60°	490.9	598.7	752.0	946.8	1172.3	1470.7	1818.2	2199.7	2596.9	3009.9	3493.0
-62.5°	446.4	534.2	649.5	800.1	993.3	1225.7	1524.5	1859.7	2219.4	2585.0	2970.1
-65°	418.6	471.4	558.6	676.4	814.0	1015.2	1247.4	1505.1	1813.8	2125.1	2453.9
-67.5°	387.0	431.6	484.9	555.3	671.8	819.4	980.7	1195.3	1430.6	1663.9	1908.3
-70°	364.8	391.2	432.0	483.1	547.6	644.8	780.2	926.8	1087.0	1273.8	1483.3
-72.5°	344.2	368.1	392.5	417.6	470.0	540.5	618.4	703.1	823.3	973.3	1127.6
-75°	328.3	344.8	366.0	388.3	419.2	458.3	503.7	570.6	654.2	749.8	849.3
-77.5°	315.9	331.0	346.3	361.7	384.2	415.1	449.0	485.6	537.2	597.9	662.7
-80°	304.8	316.9	330.7	344.6	362.7	383.2	405.2	428.6	463.1	504.7	552.1
-82.5°	296.5	307.7	318.9	330.2	343.4	357.3	372.3	389.6	416.1	445.0	475.2
-85°	288.0	298.2	308.4	318.7	329.2	340.1	351.4	363.0	381.4	400.8	420.7
-87.5°	280.0	289.4	298.8	308.2	316.2	324.4	332.6	341.0	354.1	367.4	381.0
-90°	95.0	92.0	89.0	86.0	82.3	78.5	74.8	71.0	67.0	63.0	59.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	358.0	370.3	382.5	394.8	407.0	423.0	439.0	455.0	471.0	491.0	511.0
87.5°	55.0	51.0	47.0	43.0	39.0	35.0	31.0	27.0	23.0	19.3	15.5
85°	55.2	51.2	47.2	43.1	39.1	34.9	30.7	26.4	22.2	18.4	14.6
82.5°	55.4	51.4	47.3	43.3	39.3	35.0	30.8	26.5	22.2	18.6	15.1
80°	55.7	51.6	47.6	43.6	39.5	35.3	31.0	26.7	22.4	18.6	14.8
77.5°	56.0	52.0	48.0	43.9	39.8	35.6	31.3	26.9	22.6	18.7	14.9
75°	56.5	52.5	48.4	44.3	40.2	36.0	31.6	27.2	22.9	18.9	15.0
72.5°	57.1	53.0	48.9	44.7	40.4	36.0	31.7	27.4	23.1	19.3	15.6
70°	57.7	53.6	49.2	44.8	40.4	36.1	31.9	27.7	23.5	19.4	15.5
67.5°	58.5	54.3	49.9	45.5	41.0	36.6	32.4	28.1	23.9	19.7	15.7
65°	59.3	55.2	50.7	46.3	41.8	37.3	33.0	28.7	24.4	20.1	16.0
62.5°	60.3	56.1	51.7	47.2	42.6	38.1	33.7	29.3	24.9	20.5	16.4
60°	61.3	57.1	52.8	48.2	43.6	39.0	34.5	30.0	25.5	21.0	16.8
57.5°	62.5	58.3	54.0	49.4	44.7	40.0	35.3	30.8	26.2	21.6	17.2
55°	63.8	59.6	55.3	50.6	45.9	41.1	36.3	31.7	27.0	22.2	17.7
52.5°	65.3	61.0	56.7	52.1	47.3	42.4	37.4	32.7	27.9	23.0	18.3
50°	66.9	62.6	58.2	53.6	48.8	43.8	38.7	33.9	29.0	23.9	18.9
47.5°	68.6	64.3	59.9	55.4	50.5	45.6	40.8	35.8	30.3	24.9	19.7
45°	70.6	66.2	61.8	57.2	52.4	47.4	42.1	36.5	31.3	26.0	20.5
42.5°	72.5	68.3	63.8	59.2	54.4	49.1	44.0	38.9	33.2	27.3	21.4
40°	74.7	70.6	66.1	61.5	56.6	51.5	46.0	40.1	34.2	28.4	22.5
37.5°	77.1	73.1	68.9	64.3	59.2	53.7	48.0	42.0	36.0	30.2	23.9
35°	80.0	76.3	72.3	67.3	62.1	56.5	50.9	45.4	39.0	33.0	26.3
32.5°	83.5	79.8	75.5	71.1	66.2	61.5	56.2	51.2	44.7	38.5	32.2
30°	87.2	83.5	80.7	76.8	72.8	68.8	64.8	60.2	55.2	48.8	39.3
27.5°	91.1	89.8	88.1	83.5	80.9	77.9	75.0	70.5	62.0	54.2	40.6
25°	96.2	97.5	93.7	91.1	89.8	88.1	82.5	74.4	61.5	48.0	35.6
22.5°	102.6	102.2	100.5	99.8	101.8	97.5	86.9	74.3	57.0	43.1	33.0
20°	108.3	108.1	112.0	117.9	116.3	111.0	94.5	76.3	58.6	51.3	44.5
17.5°	127.6	120.1	133.9	149.9	147.2	123.1	108.6	88.0	76.3	70.4	61.0
15°	163.8	180.1	189.3	191.0	188.5	166.3	135.4	131.3	120.6	116.9	106.7
12.5°	220.8	275.7	340.8	382.4	257.6	239.0	281.9	297.5	249.9	219.7	219.1
10°	444.4	403.3	581.9	930.7	1574.6	2022.8	799.0	2269.4	4623.4	3950.8	2329.9
7.5°	1064.7	1388.3	1653.8	2128.7	4084.2	8465.6	13905.9	20375.7	33880.9	42251.0	58698.2
5°	1772.6	2596.7	3514.8	5035.6	8565.9	17382.1	32872.9	52548.1	75314.6	107522.6	146705.4
2.5°	3012.7	4280.2	5698.2	8168.3	13321.4	26804.0	49906.7	84282.7	119999.8	166576.5	220369.4
0°	4968.0	6984.0	8945.0	12422.0	22306.0	45361.9	77298.8	126467.7	178932.6	246301.0	320921.4
-2.5°	6569.1	8604.4	10990.8	15074.8	24359.3	47769.7	85133.7	137215.6	199204.8	273604.8	361090.3
-5°	7816.3	10013.8	12767.9	16944.7	26084.6	46946.9	82533.8	135116.5	199262.0	269099.2	348894.1
-7.5°	8770.1	11170.1	14215.2	18381.4	26960.9	46252.8	81775.0	133614.3	194673.1	264967.3	338462.4
-10°	9568.2	12051.5	15345.7	19943.6	28129.7	44523.9	75425.2	126595.5	189373.1	258258.2	330278.2
-12.5°	10258.8	12754.3	16021.4	20513.2	27801.8	43391.1	71858.9	115296.5	175136.6	245936.9	313632.9
-15°	10796.3	13276.0	16442.7	21350.5	29505.9	42751.5	64344.9	103513.6	156198.2	220295.4	287868.7
-17.5°	11214.6	13638.9	16944.4	21684.8	29160.8	41210.3	62119.7	92183.9	137276.2	193318.5	251327.9
-20°	11445.6	13856.5	17014.4	21465.4	28696.3	40176.8	56936.8	84480.9	120921.6	167326.9	216439.3



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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°	11768.9	14021.0	16836.2	20892.7	27843.0	37867.7	53106.8	77528.0	107865.4	146639.3	188587.2
-25°	11968.5	13982.7	16743.4	20824.5	26294.6	34901.5	50006.0	69436.4	96797.1	128833.0	164732.8
-27.5°	12127.4	14035.9	16563.3	20128.2	24867.1	32903.3	45216.6	61084.3	84760.9	111246.3	141917.2
-30°	12215.6	13982.1	16262.5	19102.2	23850.5	30634.9	39773.5	54020.9	72067.8	93019.4	118379.2
-32.5°	11640.7	13843.3	15790.1	18438.2	22368.4	27855.5	34893.5	46792.2	60492.6	77190.8	96317.5
-35°	10803.7	13029.1	15313.1	17728.1	20888.3	25108.1	31627.9	40278.2	50019.3	63288.0	77599.8
-37.5°	9781.0	11893.4	14207.7	16729.9	19384.2	22711.2	28094.8	34637.0	42188.1	51739.3	62075.5
-40°	9113.0	10549.7	12783.0	15160.9	17620.5	20798.4	24864.8	29474.6	35223.6	42198.1	49433.4
-42.5°	8587.3	9873.2	11268.1	13270.4	15637.3	18622.3	21869.3	25370.4	29835.4	34778.5	39788.0
-45°	7913.9	9164.2	10464.5	11836.6	13469.1	15964.7	18757.2	21817.9	25298.7	28943.6	32385.3
-47.5°	7221.2	8340.1	9538.0	10783.4	12267.4	13938.3	15743.6	18051.8	21043.5	24003.3	26545.4
-50°	6536.5	7496.2	8569.0	9695.3	10967.8	12346.9	13805.2	15744.4	17878.8	20077.9	21804.8
-52.5°	5894.4	6735.9	7621.0	8574.1	9652.8	10776.7	11976.3	13599.2	15299.0	17034.3	18261.4
-55°	5258.6	5988.3	6746.2	7577.3	8444.7	9330.2	10351.9	11668.0	13009.2	14358.3	15278.9
-57.5°	4622.6	5244.0	5905.5	6615.8	7347.1	8093.7	8931.9	9892.6	10915.0	11948.3	12690.7
-60°	3991.1	4501.7	5077.3	5681.7	6294.2	6911.6	7628.2	8363.2	9093.9	9774.4	10314.0
-62.5°	3381.4	3827.7	4293.7	4783.6	5295.0	5826.9	6413.1	7008.4	7605.6	8125.5	8486.7
-65°	2801.8	3169.0	3536.1	3918.7	4315.0	4750.7	5232.5	5713.4	6189.1	6590.0	6895.2
-67.5°	2196.2	2497.4	2798.2	3092.5	3399.9	3738.6	4115.6	4492.3	4864.9	5170.5	5413.6
-70°	1689.9	1897.9	2114.6	2348.0	2603.5	2875.9	3167.7	3449.4	3720.1	3927.7	4095.4
-72.5°	1285.3	1448.1	1619.8	1804.8	1988.8	2198.0	2425.9	2652.8	2877.1	3042.0	3179.7
-75°	952.0	1067.1	1204.1	1342.5	1481.3	1641.0	1812.0	1984.2	2156.2	2278.3	2382.4
-77.5°	740.5	827.5	916.9	1007.5	1098.9	1204.3	1313.9	1423.4	1532.4	1611.8	1684.1
-80°	602.5	660.9	721.8	783.6	846.1	920.0	996.2	1072.8	1149.4	1204.3	1255.9
-82.5°	506.8	546.4	587.9	630.5	673.8	726.1	779.6	833.3	887.1	925.5	962.3
-85°	441.2	468.1	495.9	524.1	552.7	588.5	625.1	662.1	699.3	728.2	756.5
-87.5°	394.7	413.5	432.6	451.8	471.2	493.5	515.9	538.3	560.7	585.3	609.9
-90°	55.0	51.0	47.0	43.0	39.0	35.0	31.0	27.0	23.0	19.3	15.5



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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°	531.0	551.0	545.0	539.0	545.0	551.0	531.0	511.0	491.0	471.0	455.0
87.5°	11.8	8.0	5.0	2.0	5.0	8.0	11.8	15.5	19.3	23.0	27.0
85°	10.8	7.0	4.5	2.0	4.5	7.0	10.8	14.6	18.4	22.2	26.4
82.5°	11.6	8.0	5.0	2.0	5.0	8.0	11.6	15.1	18.6	22.2	26.5
80°	10.9	7.1	4.5	2.0	4.5	7.1	10.9	14.8	18.6	22.4	26.7
77.5°	11.0	7.2	4.1	1.0	4.1	7.2	11.0	14.9	18.7	22.6	26.9
75°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.9	27.2
72.5°	12.0	8.3	5.6	3.0	5.6	8.3	12.0	15.6	19.3	23.1	27.4
70°	11.5	7.5	4.2	1.0	4.2	7.5	11.5	15.5	19.4	23.5	27.7
67.5°	11.7	7.6	4.2	1.0	4.2	7.6	11.7	15.7	19.7	23.9	28.1
65°	11.9	7.8	4.3	1.0	4.3	7.8	11.9	16.0	20.1	24.4	28.7
62.5°	12.2	7.9	4.4	1.0	4.4	7.9	12.2	16.4	20.5	24.9	29.3
60°	12.5	8.2	4.5	1.0	4.5	8.2	12.5	16.8	21.0	25.5	30.0
57.5°	12.8	8.4	4.2	0.0	4.2	8.4	12.8	17.2	21.6	26.2	30.8
55°	13.2	8.6	4.3	0.0	4.3	8.6	13.2	17.7	22.2	27.0	31.7
52.5°	13.6	8.9	4.8	1.0	4.8	8.9	13.6	18.3	23.0	27.9	32.7
50°	14.1	9.3	4.9	1.0	4.9	9.3	14.1	18.9	23.9	29.0	33.9
47.5°	14.7	9.7	4.8	0.0	4.8	9.7	14.7	19.7	24.9	30.3	35.8
45°	15.3	10.1	5.2	1.0	5.2	10.1	15.3	20.5	26.0	31.3	36.5
42.5°	16.0	10.6	5.2	0.0	5.2	10.6	16.0	21.4	27.3	33.2	38.9
40°	16.9	11.1	5.7	1.0	5.7	11.1	16.9	22.5	28.4	34.2	40.1
37.5°	17.8	11.8	5.9	1.0	5.9	11.8	17.8	23.9	30.2	36.0	42.0
35°	19.5	12.8	6.2	1.0	6.2	12.8	19.5	26.3	33.0	39.0	45.4
32.5°	24.9	17.0	8.4	1.0	8.4	17.0	24.9	32.2	38.5	44.7	51.2
30°	29.2	20.1	10.9	0.0	10.9	20.1	29.2	39.3	48.8	55.2	60.2
27.5°	28.6	18.1	7.9	3.0	7.9	18.1	28.6	40.6	54.2	62.0	70.5
25°	25.3	16.1	7.3	0.0	7.3	16.1	25.3	35.6	48.0	61.5	74.4
22.5°	28.2	22.3	16.2	12.0	16.2	22.3	28.2	33.0	43.1	57.0	74.3
20°	38.3	31.3	24.3	20.0	24.3	31.3	38.3	44.5	51.3	58.6	76.3
17.5°	57.7	49.8	42.7	37.0	42.7	49.8	57.7	61.0	70.4	76.3	88.0
15°	101.9	93.0	82.4	74.0	82.4	93.0	101.9	106.7	116.9	120.6	131.3
12.5°	192.9	176.0	160.8	143.5	160.8	176.0	192.9	219.1	219.7	249.9	297.5
10°	4777.8	4370.9	4827.8	1034.0	4827.8	4370.9	4777.8	2329.9	3950.8	4623.4	2269.4
7.5°	74002.6	102161.7	110649.2	107627.8	110649.2	102161.7	74002.6	58698.2	42251.0	33880.9	20375.7
5°	185647.6	229767.7	252963.8	255021.5	252963.8	229767.7	185647.6	146705.4	107522.6	75314.6	52548.1
2.5°	277989.8	324187.9	353169.7	366914.3	353169.7	324187.9	277989.8	220369.4	166576.5	119999.8	84282.7
0°	393515.2	447746.1	490220.5	510737.0	490220.5	447746.1	393515.2	320921.4	246301.0	178932.6	126467.7
-2.5°	447300.6	518381.6	554958.5	569421.4	554958.5	518381.6	447300.6	361090.3	273604.8	199204.8	137215.6
-5°	420454.1	483621.0	519360.2	534068.9	519360.2	483621.0	420454.1	348894.1	269099.2	199262.0	135116.5
-7.5°	406937.5	461131.0	490684.2	500432.0	490684.2	461131.0	406937.5	338462.4	264967.3	194673.1	133614.3
-10°	394699.0	446001.2	476956.8	487732.0	476956.8	446001.2	394699.0	330278.2	258258.2	189373.1	126595.5
-12.5°	377730.9	427317.6	458012.4	470227.6	458012.4	427317.6	377730.9	313632.9	245936.9	175136.6	115296.5
-15°	350699.7	401090.3	431881.8	444142.1	431881.8	401090.3	350699.7	287868.7	220295.4	156198.2	103513.6
-17.5°	310217.5	362942.7	393263.1	405700.2	393263.1	362942.7	310217.5	251327.9	193318.5	137276.2	92183.9
-20°	267184.2	313328.7	340919.8	352155.3	340919.8	313328.7	267184.2	216439.3	167326.9	120921.6	84480.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	231163.0	266878.7	291576.9	301700.4	291576.9	266878.7	231163.0	188587.2	146639.3	107865.4	77528.0
-25°	201569.0	230495.5	251983.4	258453.5	251983.4	230495.5	201569.0	164732.8	128833.0	96797.1	69436.4
-27.5°	173359.4	196876.8	216866.1	224130.6	216866.1	196876.8	173359.4	141917.2	111246.3	84760.9	61084.3
-30°	143958.4	162201.2	178484.5	184202.6	178484.5	162201.2	143958.4	118379.2	93019.4	72067.8	54020.9
-32.5°	114780.6	129431.2	142217.4	145963.7	142217.4	129431.2	114780.6	96317.5	77190.8	60492.6	46792.2
-35°	90481.4	101282.5	110355.3	113179.8	110355.3	101282.5	90481.4	77599.8	63288.0	50019.3	40278.2
-37.5°	70977.6	78784.0	84955.2	86709.8	84955.2	78784.0	70977.6	62075.5	51739.3	42188.1	34637.0
-40°	55251.0	60631.8	64684.8	65919.9	64684.8	60631.8	55251.0	49433.4	42198.1	35223.6	29474.6
-42.5°	43735.8	47531.0	50385.7	51589.9	50385.7	47531.0	43735.8	39788.0	34778.5	29835.4	25370.4
-45°	35056.9	37538.3	39317.7	40161.9	39317.7	37538.3	35056.9	32385.3	28943.6	25298.7	21817.9
-47.5°	28605.7	30538.5	31690.9	31938.9	31690.9	30538.5	28605.7	26545.4	24003.3	21043.5	18051.8
-50°	23214.2	24545.7	25296.3	25475.9	25296.3	24545.7	23214.2	21804.8	20077.9	17878.8	15744.4
-52.5°	19280.9	20205.9	20755.5	21002.0	20755.5	20205.9	19280.9	18261.4	17034.3	15299.0	13599.2
-55°	16133.7	16929.8	17408.5	17662.0	17408.5	16929.8	16133.7	15278.9	14358.3	13009.2	11668.0
-57.5°	13377.4	14002.5	14328.5	14477.0	14328.5	14002.5	13377.4	12690.7	11948.3	10915.0	9892.6
-60°	10842.6	11346.5	11539.5	11576.0	11539.5	11346.5	10842.6	10314.0	9774.4	9093.9	8363.2
-62.5°	8816.0	9111.4	9247.1	9310.0	9247.1	9111.4	8816.0	8486.7	8125.5	7605.6	7008.4
-65°	7176.0	7429.8	7484.2	7467.0	7484.2	7429.8	7176.0	6895.2	6590.0	6189.1	5713.4
-67.5°	5637.1	5838.8	5874.2	5857.0	5874.2	5838.8	5637.1	5413.6	5170.5	4864.9	4492.3
-70°	4249.6	4389.9	4433.8	4451.0	4433.8	4389.9	4249.6	4095.4	3927.7	3720.1	3449.4
-72.5°	3309.0	3428.7	3479.1	3512.0	3479.1	3428.7	3309.0	3179.7	3042.0	2877.1	2652.8
-75°	2479.4	2568.6	2577.5	2572.0	2577.5	2568.6	2479.4	2382.4	2278.3	2156.2	1984.2
-77.5°	1753.0	1818.4	1831.6	1838.0	1831.6	1818.4	1753.0	1684.1	1611.8	1532.4	1423.4
-80°	1305.8	1353.7	1355.8	1354.0	1355.8	1353.7	1305.8	1255.9	1204.3	1149.4	1072.8
-82.5°	998.1	1032.9	1039.3	1044.0	1039.3	1032.9	998.1	962.3	925.5	887.1	833.3
-85°	784.4	811.6	816.7	821.0	816.7	811.6	784.4	756.5	728.2	699.3	662.1
-87.5°	634.3	658.5	659.4	660.0	659.4	658.5	634.3	609.9	585.3	560.7	538.3
-90°	11.8	8.0	5.0	2.0	5.0	8.0	11.8	15.5	19.3	23.0	27.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	439.0	423.0	407.0	394.8	382.5	370.3	358.0	349.0	340.0	331.0	322.0
87.5°	31.0	35.0	39.0	43.0	47.0	51.0	55.0	59.0	63.0	67.0	71.0
85°	30.7	34.9	39.1	43.1	47.2	51.2	55.2	59.2	63.2	67.2	71.2
82.5°	30.8	35.0	39.3	43.3	47.3	51.4	55.4	59.4	63.4	67.4	71.3
80°	31.0	35.3	39.5	43.6	47.6	51.6	55.7	59.7	63.7	67.7	71.6
77.5°	31.3	35.6	39.8	43.9	48.0	52.0	56.0	60.1	64.1	68.1	72.0
75°	31.6	36.0	40.2	44.3	48.4	52.5	56.5	60.5	64.6	68.6	72.5
72.5°	31.7	36.0	40.4	44.7	48.9	53.0	57.1	61.1	65.1	69.2	73.0
70°	31.9	36.1	40.4	44.8	49.2	53.6	57.7	61.8	65.8	69.8	73.6
67.5°	32.4	36.6	41.0	45.5	49.9	54.3	58.5	62.5	66.6	70.6	74.2
65°	33.0	37.3	41.8	46.3	50.7	55.2	59.3	63.4	67.5	71.5	75.2
62.5°	33.7	38.1	42.6	47.2	51.7	56.1	60.3	64.4	68.5	72.4	76.1
60°	34.5	39.0	43.6	48.2	52.8	57.1	61.3	65.5	69.6	73.4	77.2
57.5°	35.3	40.0	44.7	49.4	54.0	58.3	62.5	66.7	70.8	74.6	78.3
55°	36.3	41.1	45.9	50.6	55.3	59.6	63.8	68.0	72.0	75.8	79.5
52.5°	37.4	42.4	47.3	52.1	56.7	61.0	65.3	69.5	73.4	77.2	80.9
50°	38.7	43.8	48.8	53.6	58.2	62.6	66.9	71.1	74.9	78.7	82.3
47.5°	40.8	45.6	50.5	55.4	59.9	64.3	68.6	72.7	76.5	80.3	83.9
45°	42.1	47.4	52.4	57.2	61.8	66.2	70.6	74.5	78.3	82.0	85.6
42.5°	44.0	49.1	54.4	59.2	63.8	68.3	72.5	76.5	80.2	83.9	87.2
40°	46.0	51.5	56.6	61.5	66.1	70.6	74.7	78.6	82.3	85.9	88.7
37.5°	48.0	53.7	59.2	64.3	68.9	73.1	77.1	80.9	84.6	87.9	90.6
35°	50.9	56.5	62.1	67.3	72.3	76.3	80.0	83.5	86.9	90.1	92.8
32.5°	56.2	61.5	66.2	71.1	75.5	79.8	83.5	86.8	89.4	92.5	95.2
30°	64.8	68.8	72.8	76.8	80.7	83.5	87.2	90.1	92.5	94.9	97.8
27.5°	75.0	77.9	80.9	83.5	88.1	89.8	91.1	93.8	95.8	97.9	100.3
25°	82.5	88.1	89.8	91.1	93.7	97.5	96.2	97.9	99.6	101.2	103.1
22.5°	86.9	97.5	101.8	99.8	100.5	102.2	102.6	102.3	104.1	105.5	106.7
20°	94.5	111.0	116.3	117.9	112.0	108.1	108.3	110.3	111.2	110.8	110.6
17.5°	108.6	123.1	147.2	149.9	133.9	120.1	127.6	127.5	120.6	116.7	114.9
15°	135.4	166.3	188.5	191.0	189.3	180.1	163.8	151.3	133.6	124.5	132.2
12.5°	281.9	239.0	257.6	382.4	340.8	275.7	220.8	184.0	184.3	203.0	201.8
10°	799.0	2022.8	1574.6	930.7	581.9	403.3	444.4	422.8	380.5	330.1	284.3
7.5°	13905.9	8465.6	4084.2	2128.7	1653.8	1388.3	1064.7	776.8	604.0	472.1	376.1
5°	32872.9	17382.1	8565.9	5035.6	3514.8	2596.7	1772.6	1165.8	844.0	623.1	477.8
2.5°	49906.7	26804.0	13321.4	8168.3	5698.2	4280.2	3012.7	2171.9	1763.9	1468.0	1227.9
0°	77298.8	45361.9	22306.0	12422.0	8945.0	6984.0	4968.0	3690.0	2997.0	2450.0	1981.0
-2.5°	85133.7	47769.7	24359.3	15074.8	10990.8	8604.4	6569.1	4966.4	3856.7	3101.9	2549.1
-5°	82533.8	46946.9	26084.6	16944.7	12767.9	10013.8	7816.3	6053.2	4706.1	3764.0	3098.2
-7.5°	81775.0	46252.8	26960.9	18381.4	14215.2	11170.1	8770.1	6947.7	5596.0	4599.9	3829.9
-10°	75425.2	44523.9	28129.7	19943.6	15345.7	12051.5	9568.2	7761.0	6423.4	5379.8	4502.0
-12.5°	71858.9	43391.1	27801.8	20513.2	16021.4	12754.3	10258.8	8471.5	7183.3	6094.1	5096.9
-15°	64344.9	42751.5	29505.9	21350.5	16442.7	13276.0	10796.3	8965.0	7693.7	6667.4	5600.8
-17.5°	62119.7	41210.3	29160.8	21684.8	16944.4	13638.9	11214.6	9403.8	8087.3	6982.7	5803.5
-20°	56936.8	40176.8	28696.3	21465.4	17014.4	13856.5	11445.6	9685.4	8404.3	7111.9	5800.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	53106.8	37867.7	27843.0	20892.7	16836.2	14021.0	11768.9	9992.1	8627.7	7069.9	5683.9
-25°	50006.0	34901.5	26294.6	20824.5	16743.4	13982.7	11968.5	10343.8	8625.1	6860.7	5473.8
-27.5°	45216.6	32903.3	24867.1	20128.2	16563.3	14035.9	12127.4	10472.1	8446.9	6667.1	5333.6
-30°	39773.5	30634.9	23850.5	19102.2	16262.5	13982.1	12215.6	10072.5	8094.0	6417.1	5272.8
-32.5°	34893.5	27855.5	22368.4	18438.2	15790.1	13843.3	11640.7	9466.9	7562.1	6299.6	5175.1
-35°	31627.9	25108.1	20888.3	17728.1	15313.1	13029.1	10803.7	8736.9	7271.1	6112.6	5006.6
-37.5°	28094.8	22711.2	19384.2	16729.9	14207.7	11893.4	9781.0	8240.6	7009.8	5845.7	4820.4
-40°	24864.8	20798.4	17620.5	15160.9	12783.0	10549.7	9113.0	7867.7	6646.3	5537.0	4588.1
-42.5°	21869.3	18622.3	15637.3	13270.4	11268.1	9873.2	8587.3	7355.3	6222.5	5210.6	4342.5
-45°	18757.2	15964.7	13469.1	11836.6	10464.5	9164.2	7913.9	6790.4	5759.2	4872.7	4054.7
-47.5°	15743.6	13938.3	12267.4	10783.4	9538.0	8340.1	7221.2	6182.2	5323.8	4508.3	3767.8
-50°	13805.2	12346.9	10967.8	9695.3	8569.0	7496.2	6536.5	5661.9	4871.7	4136.2	3463.2
-52.5°	11976.3	10776.7	9652.8	8574.1	7621.0	6735.9	5894.4	5128.6	4406.9	3762.3	3176.0
-55°	10351.9	9330.2	8444.7	7577.3	6746.2	5988.3	5258.6	4579.5	3963.9	3385.7	2863.7
-57.5°	8931.9	8093.7	7347.1	6615.8	5905.5	5244.0	4622.6	4036.7	3498.8	2990.0	2524.8
-60°	7628.2	6911.6	6294.2	5681.7	5077.3	4501.7	3991.1	3493.0	3009.9	2596.9	2199.7
-62.5°	6413.1	5826.9	5295.0	4783.6	4293.7	3827.7	3381.4	2970.1	2585.0	2219.4	1859.7
-65°	5232.5	4750.7	4315.0	3918.7	3536.1	3169.0	2801.8	2453.9	2125.1	1813.8	1505.1
-67.5°	4115.6	3738.6	3399.9	3092.5	2798.2	2497.4	2196.2	1908.3	1663.9	1430.6	1195.3
-70°	3167.7	2875.9	2603.5	2348.0	2114.6	1897.9	1689.9	1483.3	1273.8	1087.0	926.8
-72.5°	2425.9	2198.0	1988.8	1804.8	1619.8	1448.1	1285.3	1127.6	973.3	823.3	703.1
-75°	1812.0	1641.0	1481.3	1342.5	1204.1	1067.1	952.0	849.3	749.8	654.2	570.6
-77.5°	1313.9	1204.3	1098.9	1007.5	916.9	827.5	740.5	662.7	597.9	537.2	485.6
-80°	996.2	920.0	846.1	783.6	721.8	660.9	602.5	552.1	504.7	463.1	428.6
-82.5°	779.6	726.1	673.8	630.5	587.9	546.4	506.8	475.2	445.0	416.1	389.6
-85°	625.1	588.5	552.7	524.1	495.9	468.1	441.2	420.7	400.8	381.4	363.0
-87.5°	515.9	493.5	471.2	451.8	432.6	413.5	394.7	381.0	367.4	354.1	341.0
-90°	31.0	35.0	39.0	43.0	47.0	51.0	55.0	59.0	63.0	67.0	71.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	316.0	310.0	304.0	298.0	289.3	280.5	271.8	263.0	247.5	232.0	216.5
87.5°	74.8	78.5	82.3	86.0	89.0	92.0	95.0	98.0	100.3	102.5	104.8
85°	74.8	78.5	82.2	86.0	89.1	92.1	95.1	98.1	100.3	102.6	104.8
82.5°	74.8	78.4	82.0	85.6	88.8	92.0	95.2	98.2	100.4	102.6	104.9
80°	75.3	78.9	82.4	85.8	88.9	92.0	95.2	98.3	100.5	102.8	105.0
77.5°	75.8	79.5	83.2	86.6	89.5	92.5	95.5	98.5	100.7	102.9	105.1
75°	76.2	80.0	83.7	87.1	90.1	93.0	95.9	98.7	100.9	103.1	105.3
72.5°	76.8	80.5	84.2	87.5	90.5	93.4	96.3	98.9	101.1	103.3	105.4
70°	77.3	81.1	84.8	88.0	90.9	93.8	96.7	99.2	101.4	103.5	105.6
67.5°	77.7	81.3	85.1	88.5	91.4	94.3	97.2	99.5	101.7	103.8	105.9
65°	78.7	82.1	85.3	88.7	91.9	94.9	97.7	99.9	102.0	104.1	106.1
62.5°	79.8	83.4	86.5	89.2	92.3	95.4	98.2	100.3	102.3	104.4	106.4
60°	80.8	84.5	87.7	90.3	93.0	96.0	98.7	100.7	102.7	104.8	106.8
57.5°	82.0	85.6	88.5	91.3	94.0	96.8	99.3	101.3	103.2	105.1	107.1
55°	83.2	86.6	89.4	92.2	94.9	97.6	99.9	101.9	103.7	105.6	107.4
52.5°	84.5	87.6	90.4	93.1	95.8	98.4	100.6	102.7	104.4	106.0	107.7
50°	85.9	88.7	91.5	94.1	96.8	99.1	101.3	103.3	105.2	106.6	108.1
47.5°	87.1	89.9	92.6	95.2	97.8	99.9	102.0	104.0	106.0	107.3	108.5
45°	88.6	91.2	93.8	96.4	98.7	100.8	102.8	104.8	106.7	108.0	108.9
42.5°	90.2	92.7	95.1	97.6	99.8	101.7	103.6	105.5	107.4	108.7	109.5
40°	91.6	94.5	96.6	98.9	100.9	102.6	104.5	106.3	108.1	109.3	110.0
37.5°	93.0	96.1	98.5	100.3	102.2	103.8	105.4	107.2	108.8	109.9	110.6
35°	95.0	97.4	100.3	101.9	103.6	105.1	106.4	108.0	109.6	110.6	111.2
32.5°	97.3	99.0	101.6	103.6	105.2	106.5	107.5	109.1	110.5	111.3	111.7
30°	99.8	101.2	103.0	105.2	106.8	108.0	109.0	110.4	111.5	112.1	112.3
27.5°	102.4	103.5	104.7	106.7	108.4	109.7	110.9	111.8	112.5	113.0	113.0
25°	105.1	106.0	106.8	108.3	109.9	112.2	113.0	113.4	113.8	113.9	113.7
22.5°	107.9	108.6	109.1	110.0	113.3	115.1	115.2	115.2	115.1	114.9	114.4
20°	111.0	111.4	112.7	115.7	117.4	118.1	117.7	117.1	116.5	115.9	115.2
17.5°	114.5	121.3	124.5	123.4	122.2	121.5	120.3	119.0	118.0	117.0	116.0
15°	143.9	143.6	138.8	132.5	127.5	125.2	123.1	121.0	119.6	118.0	117.7
12.5°	187.5	170.1	155.2	142.7	133.3	129.0	125.9	123.1	121.2	120.7	120.5
10°	238.1	200.0	173.1	153.8	139.4	133.0	128.8	127.7	126.4	124.7	123.4
7.5°	293.5	232.2	191.9	165.5	154.8	151.0	145.1	138.2	132.2	128.8	126.3
5°	450.5	413.4	350.7	271.9	221.8	185.2	164.3	149.1	138.2	132.9	129.2
2.5°	1036.1	834.1	605.6	396.5	291.5	220.2	183.7	160.1	144.1	137.0	132.1
0°	1625.0	1258.0	862.0	521.0	361.0	255.0	203.0	171.0	150.0	141.0	135.0
-2.5°	2142.6	1706.9	1272.7	856.0	551.0	372.2	279.1	214.0	173.4	154.8	144.9
-5°	2639.7	2139.2	1665.7	1173.1	732.2	485.3	352.2	255.4	196.2	168.3	154.6
-7.5°	3184.0	2546.1	1997.3	1447.1	899.0	591.3	420.4	294.1	217.9	181.4	164.1
-10°	3687.8	2906.1	2234.4	1605.3	1045.4	703.2	486.2	329.0	238.0	194.0	173.3
-12.5°	4115.7	3207.5	2430.0	1738.2	1176.0	819.0	574.2	382.8	259.3	206.0	182.0
-15°	4454.0	3439.2	2577.4	1843.6	1289.8	922.1	652.4	441.1	300.7	224.2	190.3
-17.5°	4650.6	3591.6	2670.5	1919.5	1385.2	1011.0	719.4	491.0	337.0	249.5	202.7
-20°	4629.7	3632.6	2711.7	1964.2	1460.8	1084.1	773.9	531.5	367.5	271.9	217.8



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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°	4575.3	3608.2	2737.7	2025.4	1524.9	1140.1	814.8	561.7	391.7	291.0	231.2
-25°	4484.4	3549.0	2735.8	2081.4	1580.6	1182.7	845.3	580.5	408.8	306.5	242.9
-27.5°	4375.6	3472.9	2707.9	2108.9	1618.7	1206.4	864.8	600.0	421.8	318.1	252.7
-30°	4237.7	3413.7	2700.3	2114.1	1631.5	1217.9	868.4	609.7	435.2	328.3	260.5
-32.5°	4144.0	3327.1	2672.1	2107.5	1627.3	1213.0	865.4	608.5	442.7	337.0	267.4
-35°	4064.8	3262.7	2612.0	2069.9	1604.7	1204.8	863.2	596.3	444.2	342.8	273.0
-37.5°	3924.7	3183.6	2539.6	2011.8	1560.5	1182.2	860.4	602.3	439.4	345.4	277.1
-40°	3778.1	3065.2	2447.6	1940.2	1514.2	1145.3	844.9	603.7	436.6	344.8	279.5
-42.5°	3578.1	2915.4	2345.1	1848.1	1457.5	1113.4	818.4	592.1	437.9	344.4	280.2
-45°	3356.6	2742.8	2223.3	1773.1	1387.9	1067.1	789.6	570.3	432.0	343.3	280.5
-47.5°	3107.1	2573.5	2092.5	1672.5	1317.5	1007.7	744.9	552.3	418.3	339.9	281.3
-50°	2883.5	2387.5	1946.7	1557.3	1225.0	935.0	691.2	524.2	409.3	333.5	281.0
-52.5°	2648.4	2188.0	1778.6	1419.3	1113.3	844.4	643.1	488.5	395.5	328.0	279.6
-55°	2387.7	1960.7	1585.6	1265.7	985.1	762.9	583.4	464.6	377.4	322.3	277.2
-57.5°	2109.3	1708.4	1384.5	1098.3	866.7	676.1	534.4	435.2	364.5	314.7	274.9
-60°	1818.2	1470.7	1172.3	946.8	752.0	598.7	490.9	406.9	351.9	306.0	270.5
-62.5°	1524.5	1225.7	993.3	800.1	649.5	534.2	446.4	387.9	337.2	298.7	264.9
-65°	1247.4	1015.2	814.0	676.4	558.6	471.4	418.6	366.5	325.5	290.4	259.1
-67.5°	980.7	819.4	671.8	555.3	484.9	431.6	387.0	349.5	313.9	281.2	254.2
-70°	780.2	644.8	547.6	483.1	432.0	391.2	364.8	334.1	301.4	274.8	248.9
-72.5°	618.4	540.5	470.0	417.6	392.5	368.1	344.2	319.0	293.3	268.0	243.3
-75°	503.7	458.3	419.2	388.3	366.0	344.8	328.3	309.3	284.9	260.9	239.2
-77.5°	449.0	415.1	384.2	361.7	346.3	331.0	315.9	299.2	277.0	256.1	235.5
-80°	405.2	383.2	362.7	344.6	330.7	316.9	304.8	291.6	271.4	251.4	231.6
-82.5°	372.3	357.3	343.4	330.2	318.9	307.7	296.5	284.7	265.5	246.3	227.7
-85°	351.4	340.1	329.2	318.7	308.4	298.2	288.0	277.6	259.6	241.8	224.2
-87.5°	332.6	324.4	316.2	308.2	298.8	289.4	280.0	270.5	253.7	237.0	220.5
-90°	74.8	78.5	82.3	86.0	89.0	92.0	95.0	98.0	100.3	102.5	104.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	201.0	183.0	165.0	147.0	129.0	122.5	116.0
87.5°	107.0	108.6	110.1	111.6	113.1	114.5	116.0
85°	107.0	108.6	110.2	111.7	113.2	114.5	116.0
82.5°	107.1	108.7	110.3	111.8	113.3	114.6	116.0
80°	107.2	108.8	110.4	112.0	113.4	114.6	116.0
77.5°	107.2	108.9	110.6	112.1	113.5	114.6	116.0
75°	107.3	109.0	110.7	112.3	113.6	114.7	116.0
72.5°	107.4	109.0	110.7	112.4	113.7	114.7	116.0
70°	107.5	109.0	110.7	112.5	113.8	114.8	116.0
67.5°	107.7	109.1	110.7	112.5	113.9	114.8	116.0
65°	107.9	109.2	110.7	112.5	114.0	114.8	116.0
62.5°	108.1	109.4	110.8	112.5	114.2	114.9	116.0
60°	108.3	109.7	110.8	112.5	114.3	114.9	116.0
57.5°	108.6	109.9	111.0	112.5	114.2	115.0	116.0
55°	108.8	110.2	111.3	112.6	114.2	115.0	116.0
52.5°	109.1	110.5	111.5	112.6	114.2	115.1	116.0
50°	109.4	110.8	111.8	112.6	114.2	115.1	116.0
47.5°	109.7	111.0	112.1	112.7	114.3	115.1	116.0
45°	110.1	111.3	112.4	112.9	114.3	115.2	116.0
42.5°	110.5	111.5	112.7	113.2	114.3	115.2	116.0
40°	111.0	111.8	113.0	113.4	114.4	115.3	116.0
37.5°	111.4	112.1	113.2	113.7	114.4	115.3	116.0
35°	111.9	112.5	113.5	113.9	114.5	115.4	116.0
32.5°	112.5	112.9	113.7	114.2	114.6	115.4	116.0
30°	112.9	113.4	114.0	114.5	114.6	115.5	116.0
27.5°	113.4	113.8	114.4	114.8	114.7	115.5	116.0
25°	113.9	114.3	115.0	115.1	114.8	115.6	116.0
22.5°	114.4	114.9	115.5	115.4	114.9	115.6	116.0
20°	114.8	116.0	116.2	115.7	115.0	115.6	116.0
17.5°	116.1	117.2	116.9	116.0	115.1	115.7	116.0
15°	117.9	118.4	117.6	116.3	115.2	115.7	116.0
12.5°	119.8	119.7	118.3	116.6	115.4	115.8	116.0
10°	121.8	120.9	119.0	116.9	115.5	115.8	116.0
7.5°	123.9	122.2	119.8	117.2	115.6	115.9	116.0
5°	125.9	123.5	120.5	117.5	115.7	115.9	116.0
2.5°	128.0	124.8	121.3	117.7	115.9	116.0	116.0
0°	130.0	126.0	122.0	118.0	116.0	116.0	116.0
-2.5°	137.1	130.4	124.5	119.6	116.9	116.4	116.0
-5°	144.0	134.7	126.9	121.3	117.8	116.7	116.0
-7.5°	150.7	138.9	129.2	122.9	118.7	117.1	116.0
-10°	157.2	142.9	131.5	124.4	119.6	117.5	116.0
-12.5°	163.3	146.7	133.7	125.9	120.5	117.8	116.0
-15°	169.1	150.2	135.9	127.4	121.4	118.2	116.0
-17.5°	174.3	153.4	137.9	128.8	122.2	118.5	116.0
-20°	180.9	156.3	139.8	130.2	123.0	118.9	116.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	190.0	158.8	141.7	131.4	123.8	119.2	116.0
-25°	198.2	163.5	143.4	132.6	124.6	119.5	116.0
-27.5°	205.4	169.0	145.0	133.8	125.3	119.8	116.0
-30°	211.6	173.9	146.7	134.8	126.0	120.1	116.0
-32.5°	216.7	178.3	150.5	135.8	126.6	120.4	116.0
-35°	221.5	182.1	154.0	136.6	127.2	120.7	116.0
-37.5°	225.7	185.7	157.1	137.4	127.8	120.9	116.0
-40°	229.1	189.3	159.9	138.0	128.3	121.2	116.0
-42.5°	231.6	192.4	162.4	139.0	128.8	121.4	116.0
-45°	233.3	194.9	164.6	140.7	129.2	121.6	116.0
-47.5°	234.2	196.8	166.5	142.2	129.6	121.8	116.0
-50°	235.2	198.1	168.0	143.6	129.9	122.0	116.0
-52.5°	235.6	198.8	169.2	144.9	130.2	122.1	116.0
-55°	235.2	199.4	170.1	146.1	130.4	122.3	116.0
-57.5°	233.9	199.6	170.6	147.1	130.6	122.4	116.0
-60°	232.0	199.3	170.8	147.9	130.7	122.5	116.0
-62.5°	230.3	198.5	171.4	148.6	130.8	122.6	116.0
-65°	228.1	197.3	171.7	149.1	130.8	122.7	116.0
-67.5°	225.2	196.3	171.8	149.4	130.8	122.7	116.0
-70°	221.8	195.6	171.6	149.6	130.8	122.8	116.0
-72.5°	219.6	194.6	171.2	149.7	130.7	122.8	116.0
-75°	217.4	193.3	170.6	149.7	130.6	122.8	116.0
-77.5°	214.7	191.6	170.1	149.5	130.4	122.8	116.0
-80°	211.7	190.2	169.4	149.3	130.2	122.7	116.0
-82.5°	209.3	188.7	168.5	148.9	129.9	122.7	116.0
-85°	206.8	187.0	167.5	148.4	129.6	122.6	116.0
-87.5°	204.0	185.1	166.3	147.7	129.3	122.6	116.0
-90°	107.0	108.5	110.0	111.5	113.0	114.5	116.0

(END OF REPORT)