

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: P1212228 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-7F-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212228 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-33)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-90-7F-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 7F BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

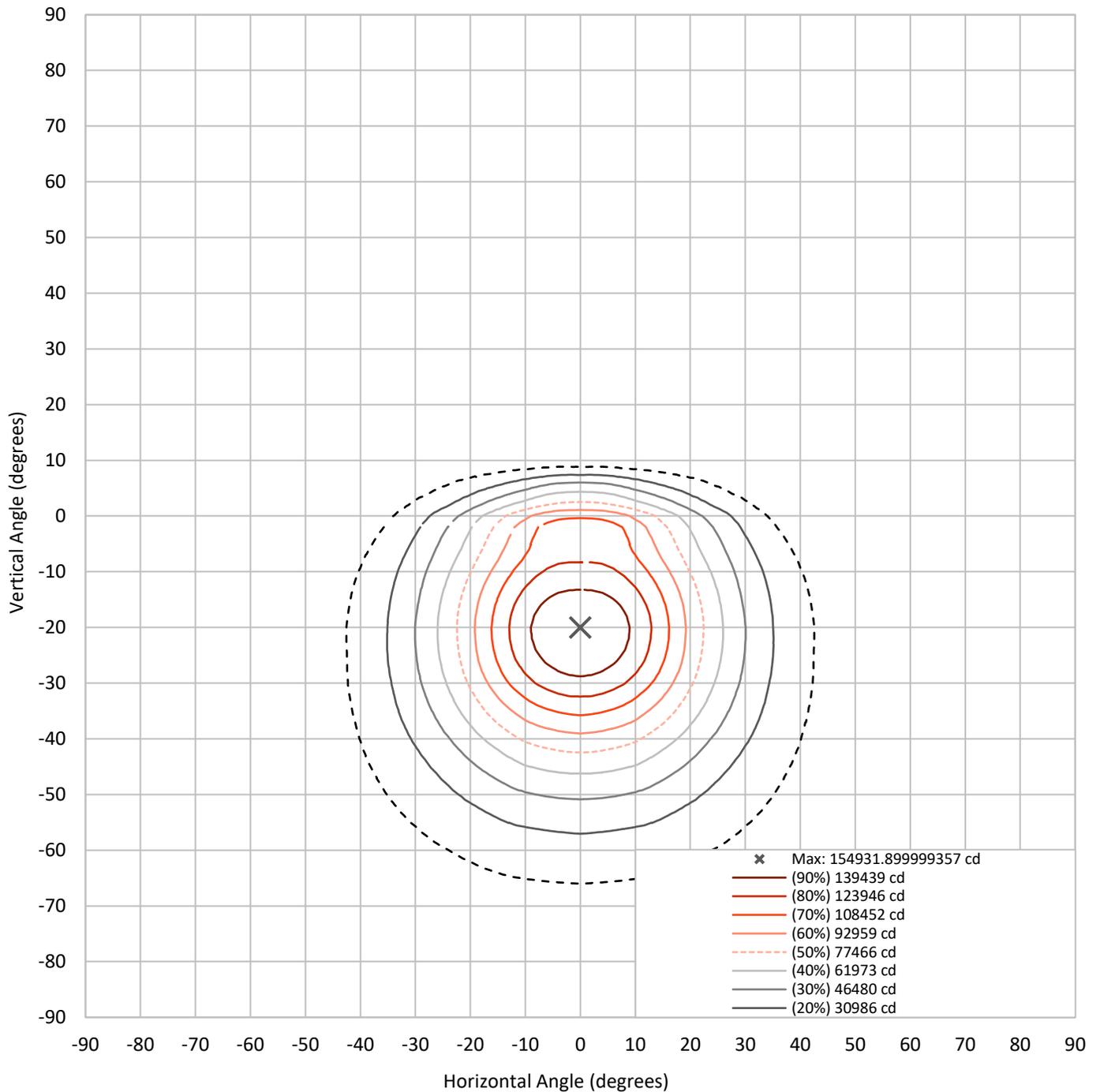
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	102109.1 lumens	Max Intensity:	154931.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	98.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	44.8°H x 44.8°V	Field Angle (10%):	84.9°H x 74.8°V
Beam Lumens:	54794.6 lumens	Field Lumens:	93618.4 lumens
Beam Efficiency:	53.7%	Field Efficiency:	91.7%

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-57-90-7F-ECV

Iso-Candela Plot





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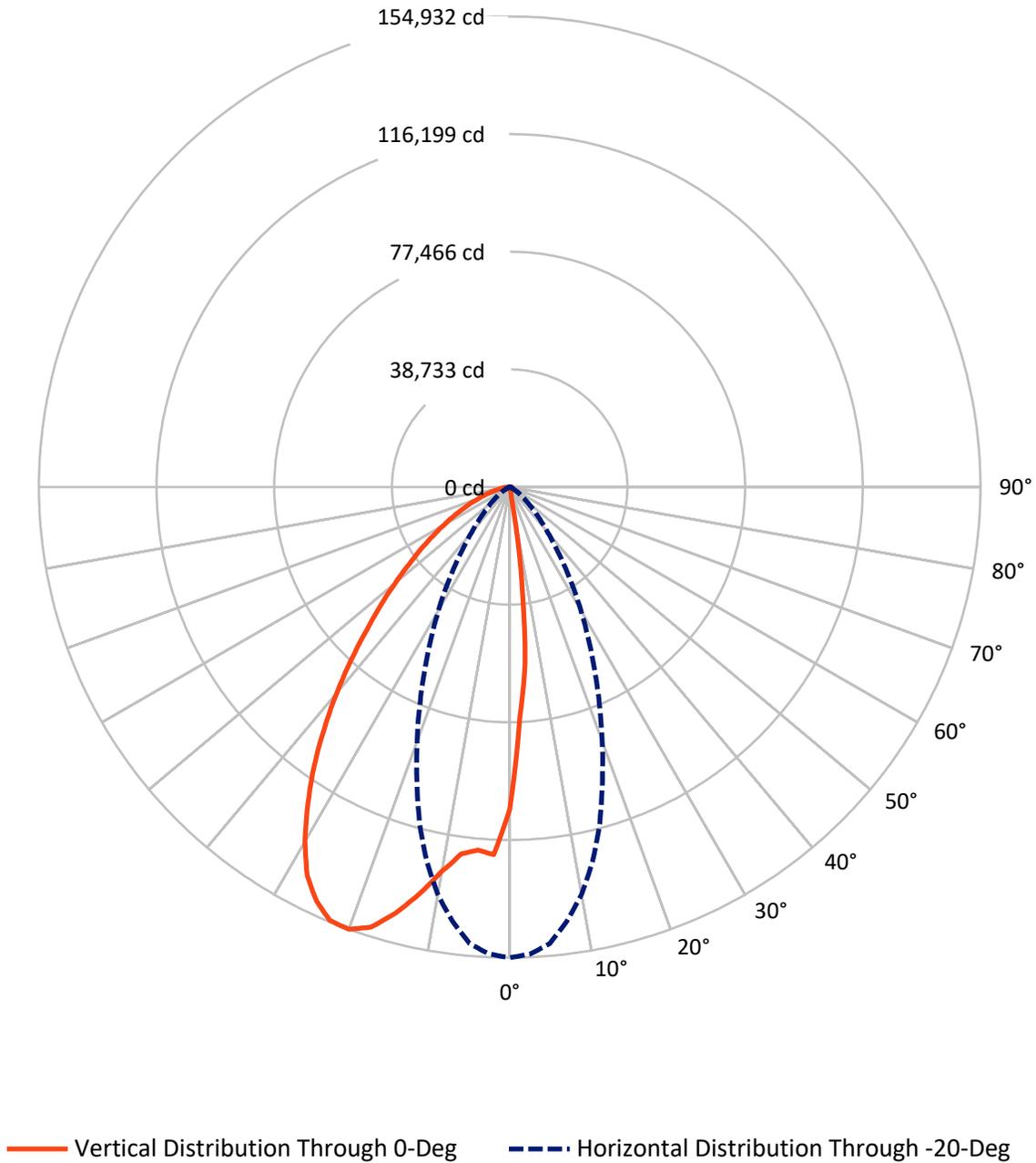
CATALOG NUMBER: EPH-LS12-1000R-57-90-7F-ECV

Lumen Table

90	2.0		5.3		6.8		7.2		6.8		7.2		6.8		5.3		2.0	
80	2.0		1.1 1.3		1.3 1.2		0.9 0.6		0.2 0.2		0.6 0.9		1.2 1.3		1.3 1.1		2.0	
70	2.0		1.1 1.3		1.4 1.3		1.0 0.6		0.2 0.2		0.6 1.0		1.3 1.4		1.3 1.1		2.0	
60	2.0		1.2 1.4		1.5 1.4		1.2 0.7		0.2 0.2		0.7 1.2		1.4 1.5		1.4 1.2		2.0	
50	2.0		1.2 1.5		1.7 1.7		1.4 0.9		0.3 0.3		0.9 1.4		1.7 1.7		1.5 1.2		2.0	
40	2.1		1.3 1.7		1.9 2.0		1.8 1.2		0.5 0.5		1.2 1.8		2.0 1.9		1.7 1.3		2.1	
30	2.1		1.4 2.4		4.3 5.9		12.7 15.4		15.4 15.4		15.4 12.7		5.9 4.3		2.4 1.4		2.1	
20	2.6		2.2 9.1		38.1 158.8		489.6 1034.3		1555.7 1555.7		1034.3 489.6		158.8 38.1		9.1 2.2		2.6	
10	2.6		5.8 37.2		159.0 535.2		1357.4 2542.6		3509.7 3509.7		2542.6 1357.4		535.2 159.0		37.2 5.8		2.6	
0	4.2		11.8 67.6		252.7 752.4		1750.6 3166.7		4214.5 4214.5		3166.7 1750.6		752.4 252.7		67.6 11.8		4.2	
-10	4.2		16.2 81.0		273.7 788.3		1788.4 3216.9		4311.5 4311.5		3216.9 1788.4		788.3 273.7		81.0 16.2		4.2	
-20	5.8		17.0 77.9		252.1 677.7		1449.0 2484.0		3258.1 3258.1		2484.0 1449.0		677.7 252.1		77.9 17.0		5.8	
-30	5.8		15.8 66.4		201.1 491.5		972.5 1566.3		1980.3 1980.3		1566.3 972.5		491.5 201.1		66.4 15.8		5.8	
-40	5.3		13.1 49.1		139.3 312.2		575.4 874.0		1058.3 1058.3		874.0 575.4		312.2 139.3		49.1 13.1		5.3	
-50	5.3		9.0 29.5		80.0 170.1		292.2 426.4		506.7 506.7		426.4 292.2		170.1 80.0		29.5 9.0		5.3	
-60	3.8		26.4		123.6		342.7		478.6		342.7		123.6		26.4		3.8	
-70	3.8		26.4		123.6		342.7		478.6		342.7		123.6		26.4		3.8	
-80	3.8		26.4		123.6		342.7		478.6		342.7		123.6		26.4		3.8	
-90	3.8		26.4		123.6		342.7		478.6		342.7		123.6		26.4		3.8	

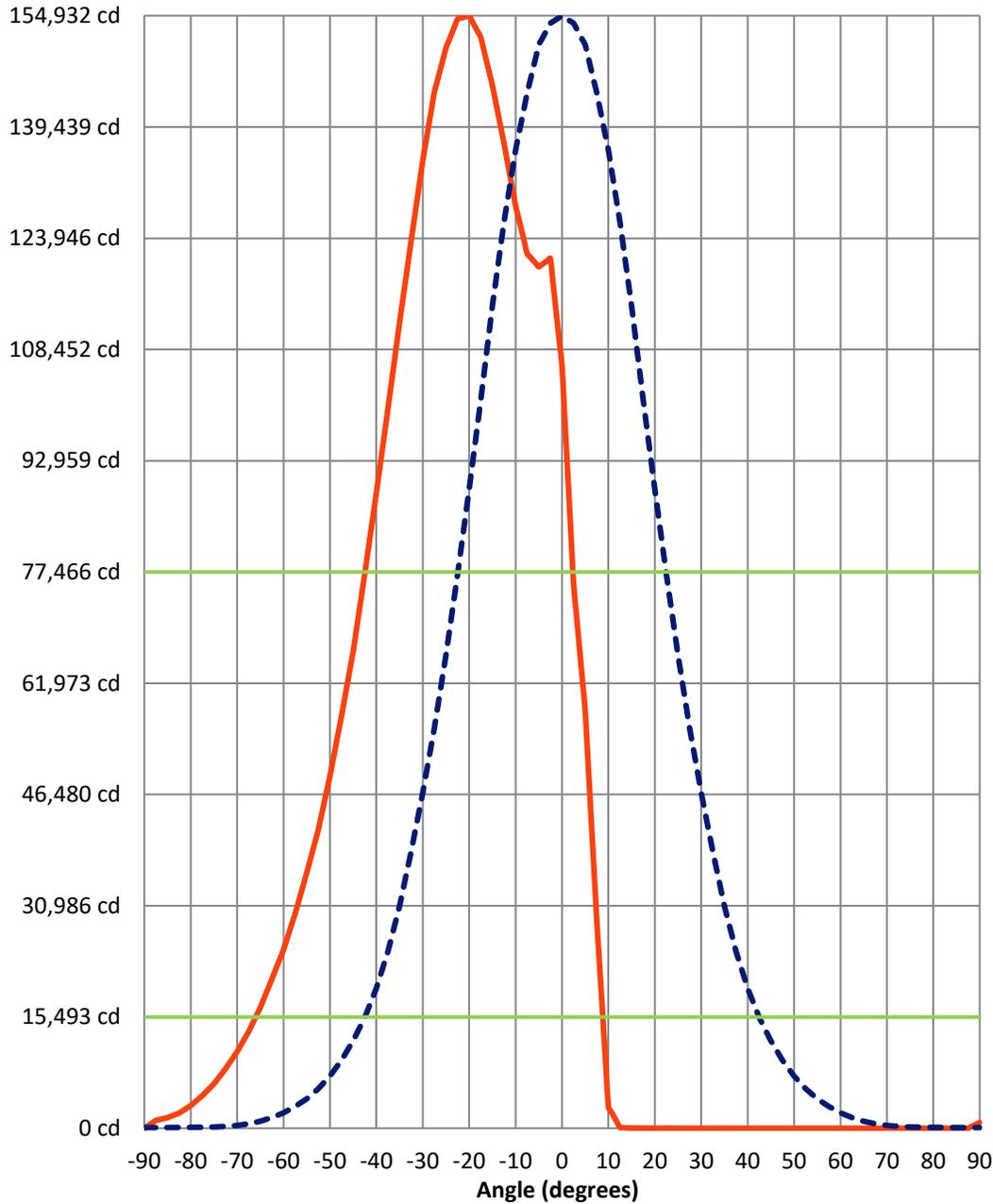
REPORT NUMBER: P1212228 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS12-1000R-57-90-7F-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 44.8°
 V Angle: 44.8°
 Lumens: 54794.6
 Efficiency: 53.7%

Field:
 H Angle: 84.9°
 V Angle: 74.8°
 Lumens: 93618.4
 Efficiency: 91.7%

Spill:
 Lumens: 8490.7
 Efficiency: 8.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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°	97.6	104.6	111.7	128.6	145.5	162.4	179.3	193.9	208.4	223.0	237.6
87.5°	97.6	96.8	96.0	94.7	93.5	92.2	90.9	88.8	86.7	84.6	82.5
85°	97.6	96.8	96.0	94.8	93.6	92.3	90.9	88.9	86.8	84.7	82.6
82.5°	97.6	96.8	96.1	94.9	93.7	92.3	91.0	88.9	86.8	84.8	82.7
80°	97.6	96.8	96.2	95.0	93.8	92.4	91.1	89.1	87.1	85.0	82.8
77.5°	97.6	96.9	96.3	95.1	93.9	92.6	91.3	89.4	87.4	85.2	83.0
75°	97.6	96.9	96.4	95.3	94.0	92.8	91.6	89.8	87.7	85.4	83.2
72.5°	97.6	96.9	96.4	95.4	94.1	92.9	91.9	90.1	87.9	85.7	83.4
70°	97.6	96.9	96.5	95.5	94.3	93.2	92.1	90.3	88.1	85.9	83.7
67.5°	97.6	97.0	96.6	95.6	94.4	93.4	92.3	90.6	88.4	86.2	84.1
65°	97.6	97.0	96.7	95.7	94.6	93.6	92.4	90.8	88.7	86.6	84.4
62.5°	97.6	97.0	96.7	95.8	94.7	93.7	92.6	91.1	89.0	87.0	84.9
60°	97.6	97.0	96.8	95.9	94.9	93.9	92.8	91.4	89.4	87.5	85.5
57.5°	97.6	97.1	96.9	96.0	95.1	94.2	93.1	91.8	89.9	88.1	86.1
55°	97.6	97.1	96.9	96.1	95.3	94.4	93.3	92.0	90.6	88.8	86.8
52.5°	97.6	97.1	97.0	96.2	95.5	94.7	93.6	92.5	91.3	89.5	87.6
50°	97.6	97.1	97.1	96.3	95.7	94.9	93.9	93.0	92.0	90.4	88.3
47.5°	97.6	97.2	97.2	96.4	96.0	95.2	94.3	93.5	92.8	91.2	89.1
45°	97.6	97.2	97.3	96.6	96.2	95.5	94.7	94.1	93.4	92.0	89.9
42.5°	97.6	97.2	97.4	96.8	96.5	95.9	95.2	94.6	94.1	92.7	90.7
40°	97.6	97.3	97.5	97.1	96.8	96.2	95.7	95.3	94.8	93.5	91.6
37.5°	97.6	97.3	97.6	97.4	97.1	96.6	96.1	95.9	95.5	94.3	92.5
35°	97.6	97.3	97.8	97.7	97.3	97.0	96.6	96.6	96.2	95.2	93.5
32.5°	97.6	97.3	97.9	98.1	97.6	97.4	97.1	97.3	97.0	96.2	95.0
30°	97.6	97.3	98.1	98.4	97.9	97.8	97.7	98.0	98.0	97.3	96.7
27.5°	97.6	97.4	98.2	98.8	98.6	98.2	98.3	98.8	98.9	98.5	98.6
25°	97.6	97.4	98.4	99.2	99.3	98.6	98.9	99.6	100.0	100.1	100.7
22.5°	97.6	97.4	98.6	99.6	100.1	99.3	99.5	100.4	101.1	101.8	102.8
20°	97.6	97.4	98.7	100.0	101.0	100.7	100.1	101.3	102.3	103.7	105.1
17.5°	97.6	97.5	98.9	100.5	101.9	102.3	101.8	102.2	103.5	105.6	107.6
15°	97.6	97.5	99.1	100.9	102.8	103.9	104.2	104.2	104.7	107.6	110.0
12.5°	97.6	97.5	99.3	101.3	103.7	105.6	106.6	107.7	108.0	109.6	112.6
10°	97.6	97.5	99.4	101.8	104.7	107.3	109.1	111.4	112.8	117.6	119.9
7.5°	97.6	97.5	99.6	102.2	105.6	109.0	111.7	115.0	117.8	126.8	138.0
5°	97.6	97.6	99.8	102.6	106.6	110.8	114.2	118.7	122.7	136.3	156.9
2.5°	97.6	97.6	99.9	103.0	107.5	112.5	116.7	122.3	127.7	145.8	176.1
0°	97.6	97.6	100.1	103.4	108.4	114.2	119.2	125.9	132.6	155.1	195.1
-2.5°	97.6	98.0	101.1	105.1	111.4	119.5	128.0	140.3	159.6	206.5	289.5
-5°	97.6	98.5	102.0	106.9	114.3	124.7	136.6	154.4	185.9	256.2	380.7
-7.5°	97.6	98.9	103.0	108.6	117.2	129.8	145.0	168.0	211.1	303.0	466.0
-10°	97.6	99.3	103.9	110.2	119.9	134.6	153.0	180.9	234.4	345.7	543.1
-12.5°	97.6	99.8	104.8	111.8	122.6	139.2	160.5	192.9	255.5	390.4	659.5
-15°	97.6	100.2	105.7	113.3	125.0	143.4	167.5	203.9	292.2	479.7	785.4
-17.5°	97.6	100.6	106.6	114.8	127.4	147.2	173.9	228.9	347.7	558.4	894.2
-20°	97.6	101.0	107.4	116.2	129.5	150.6	185.9	262.9	396.4	624.9	983.7



REPORT NUMBER: P1212228 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-7F-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	97.6	101.3	108.2	117.5	131.5	153.6	206.9	293.2	437.5	677.9	1051.7
-25°	97.6	101.7	109.0	118.7	133.2	163.2	225.7	319.1	470.2	716.2	1096.7
-27.5°	97.6	102.1	109.7	119.9	134.8	174.6	242.4	340.4	493.8	745.0	1139.6
-30°	97.6	102.4	110.4	120.9	136.6	184.6	256.6	356.8	515.5	772.1	1162.0
-32.5°	97.6	102.7	111.0	121.8	142.9	193.2	268.2	372.4	534.0	785.9	1162.1
-35°	97.6	103.0	111.6	122.7	148.5	200.3	278.3	385.6	545.1	785.9	1139.3
-37.5°	97.6	103.3	112.2	123.4	153.2	206.4	286.4	394.9	548.5	771.8	1146.3
-40°	97.6	103.6	112.7	124.0	157.1	211.9	292.0	400.2	544.1	762.1	1149.0
-42.5°	97.6	103.8	113.1	125.2	160.4	216.1	295.3	401.4	541.6	771.0	1133.2
-45°	97.6	104.1	113.5	127.3	163.3	218.8	296.0	400.2	538.1	768.9	1103.5
-47.5°	97.6	104.3	113.9	128.9	165.3	220.1	294.4	397.6	529.8	753.1	1081.3
-50°	97.6	104.5	114.2	130.5	166.5	220.0	293.0	391.7	525.6	743.4	1041.7
-52.5°	97.6	104.6	114.5	131.9	166.9	218.5	290.1	382.4	517.1	720.8	987.6
-55°	97.6	104.8	114.7	133.0	166.5	216.7	285.2	370.5	502.9	685.8	938.4
-57.5°	97.6	104.9	114.8	133.8	165.4	213.9	278.3	360.3	481.1	650.0	874.1
-60°	97.6	105.0	114.9	134.4	163.6	209.8	269.8	348.0	454.2	607.9	802.7
-62.5°	97.6	105.1	114.9	134.6	163.2	204.7	261.2	332.2	428.6	557.2	734.0
-65°	97.6	105.1	114.9	134.6	162.3	198.4	251.1	313.8	397.9	510.3	655.4
-67.5°	97.6	105.2	114.8	134.4	161.0	193.4	239.6	296.0	362.5	460.3	582.4
-70°	97.6	105.2	114.6	133.9	159.3	189.9	226.7	276.3	334.7	404.9	508.6
-72.5°	97.6	105.2	114.4	133.7	157.2	185.8	219.1	254.8	305.0	365.1	434.9
-75°	97.6	105.1	114.2	133.3	154.8	181.2	211.8	241.3	273.3	323.3	381.6
-77.5°	97.6	105.1	113.9	132.8	153.4	176.2	203.8	230.4	257.9	286.8	325.8
-80°	97.6	105.0	113.5	132.2	152.2	173.0	195.3	219.1	243.8	269.6	296.5
-82.5°	97.6	105.0	113.1	131.5	150.7	170.6	191.2	209.8	229.3	251.9	275.4
-85°	97.6	104.9	112.7	130.6	149.1	168.1	187.5	204.7	222.2	240.0	258.2
-87.5°	97.6	104.8	112.2	129.7	147.4	165.3	183.5	199.4	215.5	231.7	248.0
-90°	97.6	96.8	95.9	94.7	93.4	92.2	90.9	88.8	86.7	84.6	82.5



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	249.5	261.4	273.3	285.2	300.4	315.6	330.8	346.0	368.1	390.2	412.3
87.5°	79.7	76.9	74.1	71.4	68.3	65.2	62.1	59.0	55.7	52.4	49.1
85°	79.9	77.2	74.5	71.8	68.7	65.6	62.5	59.3	55.9	52.5	49.0
82.5°	80.0	77.3	74.6	71.9	68.9	65.8	62.6	59.4	55.9	52.3	48.8
80°	80.2	77.5	74.8	72.1	69.0	65.8	62.5	59.1	55.7	52.3	48.9
77.5°	80.4	77.7	75.1	72.4	69.3	65.9	62.6	59.3	56.0	52.6	49.2
75°	80.7	78.0	75.4	72.7	69.6	66.3	63.0	59.7	56.4	53.0	49.6
72.5°	81.0	78.4	75.7	73.1	70.1	66.8	63.5	60.2	56.9	53.5	50.1
70°	81.3	78.7	76.1	73.5	70.6	67.4	64.1	60.8	57.4	54.1	50.7
67.5°	81.8	79.2	76.6	74.0	71.3	68.0	64.7	61.4	58.1	54.7	51.3
65°	82.2	79.7	77.1	74.5	71.9	68.5	65.2	61.9	58.8	55.4	52.0
62.5°	82.7	80.2	77.7	75.0	72.1	68.9	65.8	62.7	59.6	56.3	52.9
60°	83.3	80.8	78.2	75.4	72.5	69.6	66.6	63.5	60.4	57.2	53.8
57.5°	83.9	81.4	78.8	76.1	73.4	70.5	67.5	64.5	61.4	58.2	54.8
55°	84.6	82.1	79.7	77.2	74.5	71.5	68.5	65.5	62.4	59.3	55.9
52.5°	85.3	83.0	80.9	78.3	75.5	72.6	69.6	66.7	63.8	60.5	57.1
50°	86.1	84.1	82.1	79.4	76.6	73.7	71.1	68.3	65.2	61.9	58.5
47.5°	87.0	85.3	83.2	80.5	77.8	75.2	72.8	69.8	66.6	63.3	59.9
45°	88.0	86.3	84.2	81.7	79.2	76.9	74.3	71.3	68.2	64.9	61.5
42.5°	89.0	87.3	85.3	83.0	80.9	78.5	75.7	72.9	69.8	66.6	63.3
40°	90.0	88.4	86.5	84.6	82.6	80.0	77.3	74.5	71.6	68.7	65.5
37.5°	91.2	89.7	87.9	86.3	84.2	81.6	79.0	76.3	73.7	71.1	67.7
35°	92.4	91.0	89.5	87.8	85.6	83.3	80.8	78.3	76.1	73.3	70.0
32.5°	93.7	92.5	91.2	89.1	87.1	85.1	82.7	80.7	78.4	75.7	72.5
30°	95.3	94.0	92.7	90.5	88.8	86.9	85.0	83.1	81.0	78.6	76.2
27.5°	97.6	95.7	94.0	92.1	90.7	88.9	87.5	85.8	84.0	82.0	80.4
25°	100.1	98.9	95.3	93.8	92.7	91.4	90.3	89.0	87.5	86.0	83.7
22.5°	102.9	102.5	99.5	95.7	94.8	94.0	93.4	92.6	91.8	90.3	87.1
20°	106.0	106.3	105.3	105.4	99.4	96.8	96.8	96.5	97.2	98.4	94.6
17.5°	109.3	110.6	113.1	117.7	118.4	112.7	100.4	100.6	103.8	111.0	113.6
15°	112.8	115.2	122.1	132.2	142.1	152.0	155.1	132.0	113.6	128.2	139.3
12.5°	116.4	120.2	132.1	148.6	169.7	200.1	240.5	281.3	298.1	236.3	171.1
10°	120.1	125.3	142.9	166.3	200.1	255.1	341.9	464.0	614.7	767.7	880.5
7.5°	152.0	163.9	174.4	184.9	232.4	314.6	454.4	670.7	979.0	1396.4	2009.5
5°	190.1	241.3	320.9	422.0	530.6	637.4	761.2	901.4	1371.5	2085.7	3283.9
2.5°	229.0	321.4	472.5	701.9	1007.1	1380.5	1888.4	2544.2	3374.8	4410.0	5983.0
0°	267.6	401.0	623.7	982.2	1485.8	2127.8	3023.3	4198.9	5695.6	7481.5	9821.1
-2.5°	425.6	648.4	979.1	1468.8	2123.9	2981.4	4145.4	5574.7	7478.6	9967.9	13029.8
-5°	577.9	886.1	1320.1	1933.7	2731.7	3790.2	5202.7	6871.1	9169.9	12252.0	15948.0
-7.5°	720.5	1108.0	1638.7	2376.4	3336.0	4610.6	6281.4	8251.5	10856.7	14273.1	18475.4
-10°	859.9	1349.0	1989.9	2844.0	3944.6	5392.3	7266.0	9485.0	12326.0	16004.7	20584.1
-12.5°	1051.6	1602.2	2317.8	3258.9	4477.8	6064.9	8104.7	10542.0	13538.6	17401.7	22237.3
-15°	1222.7	1824.3	2604.8	3612.4	4923.2	6610.9	8776.0	11397.8	14438.4	18450.2	23431.7
-17.5°	1369.9	2011.0	2845.6	3896.6	5269.5	7015.1	9234.0	11911.4	15035.8	19187.6	24313.4
-20°	1490.4	2158.3	3035.7	4104.6	5518.7	7280.4	9482.2	12192.5	15423.0	19503.8	24631.6



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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°	1581.8	2262.8	3180.3	4285.8	5698.2	7443.6	9589.4	12236.9	15461.5	19322.5	24819.6
-25°	1650.8	2358.3	3281.8	4395.7	5776.6	7492.4	9534.7	12069.6	15250.8	19526.0	24802.9
-27.5°	1697.2	2413.8	3321.8	4434.4	5755.4	7446.2	9444.8	11870.2	15265.1	19455.9	24322.5
-30°	1711.2	2436.3	3308.1	4411.5	5719.8	7340.8	9265.2	11772.6	15045.1	19113.0	23804.4
-32.5°	1707.8	2424.8	3285.8	4351.9	5619.5	7116.3	9133.5	11629.9	14684.3	18392.7	22892.5
-35°	1701.3	2407.9	3237.4	4227.3	5437.7	6953.6	8948.1	11306.6	14081.2	17554.9	21797.6
-37.5°	1690.8	2360.3	3144.9	4080.4	5238.8	6790.5	8605.2	10864.4	13461.8	16537.0	20544.2
-40°	1654.4	2282.4	3047.5	3931.5	5057.7	6537.0	8274.9	10280.0	12690.0	15666.4	19079.9
-42.5°	1597.6	2211.9	2927.2	3749.5	4869.7	6218.7	7812.4	9692.1	11907.3	14588.7	17693.1
-45°	1557.3	2112.0	2779.4	3611.9	4629.4	5846.2	7322.9	9009.7	11093.9	13428.2	16180.7
-47.5°	1495.0	1997.4	2633.4	3408.4	4354.3	5472.3	6759.2	8372.8	10190.3	12309.4	14614.2
-50°	1419.6	1897.6	2461.7	3189.4	4036.7	5049.4	6228.8	7676.3	9340.9	11155.6	13199.1
-52.5°	1347.5	1773.2	2304.4	2938.7	3704.9	4594.5	5693.9	6989.4	8459.8	10073.5	11866.7
-55°	1255.5	1651.5	2123.9	2693.1	3359.7	4146.3	5134.1	6303.8	7543.9	8998.5	10554.5
-57.5°	1161.3	1510.2	1932.5	2436.3	3026.5	3705.3	4612.7	5604.6	6737.1	7941.5	9268.5
-60°	1059.4	1358.8	1724.5	2168.9	2680.9	3309.9	4066.2	4948.8	5919.7	6954.7	8108.0
-62.5°	946.8	1204.2	1512.3	1882.5	2332.7	2879.8	3537.0	4279.9	5095.2	6006.2	6971.0
-65°	842.5	1041.4	1300.1	1610.9	1962.2	2453.4	3002.8	3598.2	4293.6	5051.1	5856.1
-67.5°	724.5	892.7	1093.3	1333.0	1640.2	2030.3	2466.5	2980.6	3533.6	4122.1	4759.5
-70°	622.2	737.7	896.1	1088.2	1319.4	1615.3	1976.4	2375.5	2812.7	3291.5	3815.1
-72.5°	519.4	614.7	722.1	841.1	1029.2	1263.3	1518.7	1793.8	2134.5	2531.9	2942.1
-75°	436.6	489.4	571.1	665.7	793.0	943.7	1110.0	1328.4	1586.9	1873.5	2169.6
-77.5°	370.4	414.7	460.7	508.1	588.7	710.2	839.0	974.6	1145.2	1335.8	1535.1
-80°	318.6	339.5	375.8	414.0	475.6	546.7	623.0	703.9	814.1	946.9	1098.1
-82.5°	295.2	314.5	333.4	352.1	386.7	424.7	468.2	526.0	610.7	701.7	796.1
-85°	273.6	289.2	306.5	323.7	351.7	381.3	412.2	444.1	495.3	549.5	605.8
-87.5°	261.7	275.4	289.3	303.2	324.0	345.4	367.2	389.4	423.7	458.8	494.6
-90°	79.6	76.7	73.8	70.9	67.8	64.7	61.5	58.4	55.1	51.7	48.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	434.4	464.0	493.6	523.2	552.8	588.7	624.5	660.4	696.2	722.1	747.9
87.5°	45.8	42.5	39.2	35.9	32.5	29.2	25.9	22.5	19.2	16.3	13.4
85°	45.5	42.1	38.7	35.3	32.0	28.8	25.6	22.4	19.3	16.3	13.4
82.5°	45.3	42.0	38.6	35.3	32.0	28.6	25.3	21.9	18.6	15.6	12.6
80°	45.6	42.2	38.9	35.5	32.1	28.8	25.4	22.0	18.6	15.6	12.7
77.5°	45.9	42.5	39.1	35.8	32.4	29.0	25.6	22.2	18.8	15.7	12.8
75°	46.3	42.9	39.5	36.1	32.7	29.3	25.9	22.4	19.0	15.9	12.9
72.5°	46.7	43.3	39.9	36.4	32.8	29.3	25.9	22.5	19.2	16.1	13.1
70°	47.3	43.8	40.2	36.5	32.8	29.2	25.9	22.4	18.9	15.8	12.8
67.5°	47.9	44.4	40.7	37.0	33.3	29.7	26.1	22.6	19.1	15.8	12.6
65°	48.6	45.1	41.4	37.7	34.0	30.2	26.7	23.1	19.5	16.0	12.8
62.5°	49.4	45.9	42.2	38.5	34.7	30.8	27.2	23.6	19.9	16.4	13.1
60°	50.3	46.8	43.1	39.3	35.5	31.6	27.9	24.2	20.4	16.7	13.4
57.5°	51.3	47.8	44.1	40.3	36.4	32.4	28.6	24.8	21.0	17.2	13.8
55°	52.4	48.8	45.2	41.2	37.2	33.3	29.4	25.5	21.6	17.7	14.2
52.5°	53.6	49.9	45.9	41.9	38.1	34.2	30.3	26.4	22.4	18.3	14.6
50°	54.8	50.9	47.0	43.1	39.4	35.5	31.4	27.3	23.2	19.0	15.1
47.5°	56.3	52.5	48.7	45.1	41.1	36.8	32.5	28.3	24.1	19.8	15.7
45°	58.0	54.3	50.6	46.5	42.1	38.0	33.8	29.5	25.2	20.7	16.3
42.5°	59.8	56.1	52.1	47.9	43.7	39.5	35.2	30.8	26.3	21.7	17.1
40°	61.9	58.0	54.0	49.9	45.6	41.2	36.9	32.3	27.6	22.9	18.0
37.5°	64.0	60.2	56.5	52.5	48.0	43.2	38.8	34.1	29.1	24.2	19.0
35°	66.4	63.3	59.6	55.4	50.8	46.1	41.4	36.4	30.9	26.0	20.8
32.5°	70.0	66.9	62.9	58.9	54.4	49.4	44.5	39.7	34.5	29.4	24.1
30°	74.2	70.3	66.4	62.5	57.4	52.9	48.7	44.1	39.5	34.2	27.3
27.5°	77.3	73.6	69.7	64.9	61.1	57.3	53.2	48.9	42.4	35.9	28.3
25°	80.5	77.0	72.3	68.4	65.3	61.6	56.6	50.7	43.1	35.4	28.1
22.5°	84.0	79.9	75.7	72.6	69.7	64.8	58.7	51.0	43.3	35.8	28.9
20°	87.5	83.0	80.8	80.6	73.6	67.9	60.4	52.3	44.7	38.1	31.7
17.5°	105.4	88.2	92.1	98.9	89.7	72.1	70.1	60.0	49.9	43.7	36.2
15°	139.8	155.4	157.5	126.6	127.6	116.7	94.5	94.6	79.6	76.0	63.5
12.5°	203.2	296.8	477.4	659.9	228.5	201.1	441.1	311.6	318.3	223.3	248.5
10°	836.8	538.0	1174.5	2191.5	3111.3	2953.1	1549.1	3567.9	3481.6	4052.4	2493.9
7.5°	2906.6	3621.1	4403.7	5345.5	7660.8	10521.1	12061.7	13874.8	17014.0	19675.0	22772.0
5°	5305.2	7337.0	9887.4	12520.6	16287.7	20362.1	24909.2	29746.5	34343.7	40109.5	45265.4
2.5°	8849.6	11921.8	16047.4	20026.7	25427.2	30769.4	37493.1	44820.7	51056.5	57938.6	62517.2
0°	13807.4	18161.5	24289.8	30446.4	38062.2	45192.7	54038.3	63100.7	71657.0	82246.8	89514.1
-2.5°	17472.2	22878.8	29388.4	37000.8	45156.2	53308.5	62704.5	72971.4	82560.6	93256.0	102956.5
-5°	20848.8	26804.2	33549.1	41190.4	49206.0	57236.4	66307.2	76555.6	87110.8	96261.4	104676.2
-7.5°	23817.8	30109.1	37078.7	44702.0	52842.3	61717.2	71619.1	82276.9	91710.5	101064.7	109022.4
-10°	26267.7	32872.6	40121.9	48192.5	57113.7	66530.7	76937.4	87968.0	98043.3	107909.9	116381.5
-12.5°	28211.2	35025.8	42530.2	50839.0	60298.1	70743.5	81904.4	93218.1	104011.1	114991.8	123249.9
-15°	29688.0	36600.6	44228.2	53100.7	63351.2	74294.7	85585.6	97676.1	109587.0	120288.1	129658.5
-17.5°	30584.1	37699.5	45792.1	54853.8	65221.6	76425.9	88101.9	100179.1	112880.1	124736.0	134213.2
-20°	30938.4	38524.6	46717.9	55726.0	65890.2	77107.3	89004.0	101432.1	114516.9	126178.6	136204.2



REPORT NUMBER: P1212228 (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°	31269.2	38598.7	46682.5	55794.7	65820.8	76694.2	88326.7	101142.3	113936.7	125348.8	135715.2
-25°	31090.0	38068.8	45996.5	54901.8	64628.5	75328.3	87038.3	99375.9	111178.9	122666.5	132344.0
-27.5°	30395.9	37241.4	44786.5	53195.3	62395.8	72746.3	84051.3	95755.5	106797.3	117985.8	126533.2
-30°	29154.8	35870.1	43096.3	50879.2	59576.2	69129.0	79545.0	90108.6	100702.2	110685.8	118584.8
-32.5°	28138.2	34001.5	40824.3	48175.9	56099.6	64805.3	73939.3	83559.2	93271.7	101843.5	109342.3
-35°	26749.9	32199.6	38126.1	44969.1	52337.7	60085.6	68104.2	76611.9	85237.1	92601.9	99587.9
-37.5°	25033.6	30104.6	35528.0	41271.9	47912.8	55022.2	62143.9	69511.1	76732.4	83369.8	89680.6
-40°	23198.7	27669.6	32593.6	37830.9	43430.5	49228.8	55744.3	62260.4	68299.2	74114.4	79720.0
-42.5°	21224.4	25222.0	29420.3	34101.5	39106.3	44314.4	49676.7	55078.7	60264.2	65358.0	69953.6
-45°	19260.9	22791.6	26488.1	30511.2	34612.7	39216.7	43975.5	48632.8	52998.3	57307.7	61016.3
-47.5°	17422.5	20442.3	23766.0	27218.0	30855.0	34687.5	38486.6	42199.2	46112.3	49831.1	52682.7
-50°	15617.4	18293.4	21189.4	24110.2	27189.2	30497.1	33935.3	37020.9	40055.4	43085.4	45243.2
-52.5°	13809.7	16140.9	18663.6	21226.8	23815.4	26437.3	29049.2	31720.3	34358.3	36885.3	38527.8
-55°	12253.1	14115.1	16082.8	18339.1	20645.5	22918.7	25141.5	27345.1	29467.7	31497.9	32636.0
-57.5°	10753.9	12287.1	13908.4	15719.1	17626.8	19612.2	21500.3	23307.0	25115.4	26822.2	27658.7
-60°	9333.8	10624.7	12005.5	13405.9	14846.4	16320.1	17974.4	19549.0	21039.9	22317.4	23068.9
-62.5°	7983.4	9083.0	10213.5	11357.8	12522.0	13738.2	14991.4	16250.5	17502.2	18551.9	19210.8
-65°	6717.4	7635.4	8530.5	9453.6	10401.9	11404.0	12385.2	13362.0	14325.5	15079.5	15565.3
-67.5°	5479.6	6227.2	6959.4	7681.9	8442.6	9241.9	10045.4	10828.3	11586.5	12144.8	12530.1
-70°	4360.2	4927.1	5518.8	6138.8	6775.7	7395.5	8009.2	8621.0	9225.6	9657.9	9973.6
-72.5°	3363.0	3793.7	4241.8	4731.4	5229.5	5733.6	6227.6	6705.6	7165.8	7490.8	7755.3
-75°	2473.9	2799.7	3160.8	3524.5	3888.7	4268.9	4655.4	5038.5	5415.7	5652.2	5836.6
-77.5°	1766.2	2019.2	2277.0	2537.0	2797.8	3070.7	3345.6	3617.7	3885.4	4073.2	4241.0
-80°	1255.2	1424.5	1598.4	1774.6	1952.1	2138.5	2327.1	2515.6	2702.8	2821.0	2926.9
-82.5°	893.5	1002.9	1115.4	1229.7	1345.1	1465.0	1584.4	1702.8	1819.6	1895.0	1966.0
-85°	664.0	733.9	805.6	878.3	952.0	1036.5	1122.3	1208.8	1295.6	1346.3	1395.2
-87.5°	531.0	578.5	626.7	675.5	724.7	777.2	829.8	882.5	935.1	971.8	1008.1
-90°	45.0	41.9	38.8	35.6	32.5	29.2	25.9	22.5	19.2	16.3	13.4



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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°	773.8	799.6	805.0	810.4	805.0	799.6	773.8	747.9	722.1	696.2	660.4
87.5°	10.4	7.5	5.4	3.3	5.4	7.5	10.4	13.4	16.3	19.2	22.5
85°	10.5	7.5	5.4	3.3	5.4	7.5	10.5	13.4	16.3	19.3	22.4
82.5°	9.7	6.8	5.0	3.3	5.0	6.8	9.7	12.6	15.6	18.6	21.9
80°	9.7	6.8	5.0	3.3	5.0	6.8	9.7	12.7	15.6	18.6	22.0
77.5°	9.8	6.8	5.0	3.3	5.0	6.8	9.8	12.8	15.7	18.8	22.2
75°	9.9	6.9	4.7	2.5	4.7	6.9	9.9	12.9	15.9	19.0	22.4
72.5°	10.0	7.0	4.7	2.5	4.7	7.0	10.0	13.1	16.1	19.2	22.5
70°	9.9	7.0	4.7	2.5	4.7	7.0	9.9	12.8	15.8	18.9	22.4
67.5°	9.5	6.3	3.9	1.7	3.9	6.3	9.5	12.6	15.8	19.1	22.6
65°	9.6	6.4	3.6	0.8	3.6	6.4	9.6	12.8	16.0	19.5	23.1
62.5°	9.8	6.5	3.6	0.8	3.6	6.5	9.8	13.1	16.4	19.9	23.6
60°	10.1	6.7	3.7	0.8	3.7	6.7	10.1	13.4	16.7	20.4	24.2
57.5°	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8	17.2	21.0	24.8
55°	10.6	7.1	3.5	0.0	3.5	7.1	10.6	14.2	17.7	21.6	25.5
52.5°	11.0	7.3	3.7	0.0	3.7	7.3	11.0	14.6	18.3	22.4	26.4
50°	11.4	7.6	3.8	0.0	3.8	7.6	11.4	15.1	19.0	23.2	27.3
47.5°	11.8	7.9	3.9	0.0	3.9	7.9	11.8	15.7	19.8	24.1	28.3
45°	12.3	8.2	4.1	0.0	4.1	8.2	12.3	16.3	20.7	25.2	29.5
42.5°	12.9	8.6	4.3	0.0	4.3	8.6	12.9	17.1	21.7	26.3	30.8
40°	13.5	9.0	4.5	0.0	4.5	9.0	13.5	18.0	22.9	27.6	32.3
37.5°	14.2	9.5	4.8	0.0	4.8	9.5	14.2	19.0	24.2	29.1	34.1
35°	15.5	10.4	5.1	0.8	5.1	10.4	15.5	20.8	26.0	30.9	36.4
32.5°	18.4	12.5	6.3	0.8	6.3	12.5	18.4	24.1	29.4	34.5	39.7
30°	20.4	13.6	6.7	0.8	6.7	13.6	20.4	27.3	34.2	39.5	44.1
27.5°	21.0	14.3	7.9	2.5	7.9	14.3	21.0	28.3	35.9	42.4	48.9
25°	21.0	13.9	6.9	2.5	6.9	13.9	21.0	28.1	35.4	43.1	50.7
22.5°	22.2	15.0	7.6	4.2	7.6	15.0	22.2	28.9	35.8	43.3	51.0
20°	24.6	17.5	10.5	6.7	10.5	17.5	24.6	31.7	38.1	44.7	52.3
17.5°	32.2	24.0	16.2	12.5	16.2	24.0	32.2	36.2	43.7	49.9	60.0
15°	60.2	50.7	41.3	38.4	41.3	50.7	60.2	63.5	76.0	79.6	94.6
12.5°	140.7	125.8	116.6	103.8	116.6	125.8	140.7	248.5	223.3	318.3	311.6
10°	3712.5	3758.6	4216.1	3003.3	4216.1	3758.6	3712.5	2493.9	4052.4	3481.6	3567.9
7.5°	25182.2	28212.5	29422.0	28964.8	29422.0	28212.5	25182.2	22772.0	19675.0	17014.0	13874.8
5°	50842.0	56033.0	57528.4	58179.7	57528.4	56033.0	50842.0	45265.4	40109.5	34343.7	29746.5
2.5°	68858.4	73401.1	74969.9	75853.4	74969.9	73401.1	68858.4	62517.2	57938.6	51056.5	44820.7
0°	97778.1	103871.8	105772.0	106164.7	105772.0	103871.8	97778.1	89514.1	82246.8	71657.0	63100.7
-2.5°	112108.3	118723.8	121145.2	121121.2	121145.2	118723.8	112108.3	102956.5	93256.0	82560.6	72971.4
-5°	112357.4	117444.7	119225.7	119967.2	119225.7	117444.7	112357.4	104676.2	96261.4	87110.8	76555.6
-7.5°	116212.4	120586.4	121781.9	121794.0	121781.9	120586.4	116212.4	109022.4	101064.7	91710.5	82276.9
-10°	122954.5	127289.9	128453.1	128471.8	128453.1	127289.9	122954.5	116381.5	107909.9	98043.3	87968.0
-12.5°	130151.2	134902.4	136768.1	137170.6	136768.1	134902.4	130151.2	123249.9	114991.8	104011.1	93218.1
-15°	137018.1	142037.9	144564.1	145230.8	144564.1	142037.9	137018.1	129658.5	120288.1	109587.0	97676.1
-17.5°	141889.1	147905.4	150873.8	151914.4	150873.8	147905.4	141889.1	134213.2	124736.0	112880.1	100179.1
-20°	144185.4	150877.3	153877.6	154931.9	153877.6	150877.3	144185.4	136204.2	126178.6	114516.9	101432.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	143283.3	149460.0	153043.6	154475.0	153043.6	149460.0	143283.3	135715.2	125348.8	113936.7	101142.3
-25°	140162.5	145725.8	149449.0	150426.9	149449.0	145725.8	140162.5	132344.0	122666.5	111178.9	99375.9
-27.5°	134438.8	139327.4	142953.2	144269.5	142953.2	139327.4	134438.8	126533.2	117985.8	106797.3	95755.5
-30°	126050.0	130586.2	134328.3	134729.3	134328.3	130586.2	126050.0	118584.8	110685.8	100702.2	90108.6
-32.5°	115689.5	119963.6	123452.9	123578.3	123452.9	119963.6	115689.5	109342.3	101843.5	93271.7	83559.2
-35°	104857.5	108269.2	110903.6	112176.3	110903.6	108269.2	104857.5	99587.9	92601.9	85237.1	76611.9
-37.5°	93941.5	97009.9	99297.8	100202.4	99297.8	97009.9	93941.5	89680.6	83369.8	76732.4	69511.1
-40°	83112.5	85759.5	87639.5	88471.9	87639.5	85759.5	83112.5	79720.0	74114.4	68299.2	62260.4
-42.5°	72712.5	75109.4	76725.6	77208.3	76725.6	75109.4	72712.5	69953.6	65358.0	60264.2	55078.7
-45°	63307.7	65250.4	66350.9	66382.5	66350.9	65250.4	63307.7	61016.3	57307.7	52998.3	48632.8
-47.5°	54562.3	56174.4	57158.1	57446.0	57158.1	56174.4	54562.3	52682.7	49831.1	46112.3	42199.2
-50°	46747.0	48017.5	48782.0	49056.5	48782.0	48017.5	46747.0	45243.2	43085.4	40055.4	37020.9
-52.5°	39778.3	40816.3	41397.2	41590.8	41397.2	40816.3	39778.3	38527.8	36885.3	34358.3	31720.3
-55°	33663.3	34589.0	35218.5	35577.5	35218.5	34589.0	33663.3	32636.0	31497.9	29467.7	27345.1
-57.5°	28337.2	28865.3	29403.5	29886.9	29403.5	28865.3	28337.2	27658.7	26822.2	25115.4	23307.0
-60°	23725.2	24284.4	24648.1	24877.6	24648.1	24284.4	23725.2	23068.9	22317.4	21039.9	19549.0
-62.5°	19801.7	20317.5	20617.5	20787.0	20617.5	20317.5	19801.7	19210.8	18551.9	17502.2	16250.5
-65°	15992.6	16359.2	16627.8	16824.1	16627.8	16359.2	15992.6	15565.3	15079.5	14325.5	13362.0
-67.5°	12872.0	13168.7	13350.4	13472.3	13350.4	13168.7	12872.0	12530.1	12144.8	11586.5	10828.3
-70°	10253.6	10497.7	10602.5	10657.4	10602.5	10497.7	10253.6	9973.6	9657.9	9225.6	8621.0
-72.5°	7999.3	8220.3	8276.3	8289.5	8276.3	8220.3	7999.3	7755.3	7490.8	7165.8	6705.6
-75°	6000.5	6144.2	6176.0	6182.5	6176.0	6144.2	6000.5	5836.6	5652.2	5415.7	5038.5
-77.5°	4398.9	4545.9	4554.4	4542.4	4554.4	4545.9	4398.9	4241.0	4073.2	3885.4	3617.7
-80°	3026.3	3118.7	3142.2	3155.9	3142.2	3118.7	3026.3	2926.9	2821.0	2702.8	2515.6
-82.5°	2034.3	2099.8	2111.0	2117.8	2111.0	2099.8	2034.3	1966.0	1895.0	1819.6	1702.8
-85°	1442.8	1489.0	1487.2	1483.3	1487.2	1489.0	1442.8	1395.2	1346.3	1295.6	1208.8
-87.5°	1044.0	1079.5	1086.6	1093.1	1086.6	1079.5	1044.0	1008.1	971.8	935.1	882.5
-90°	10.4	7.5	5.4	3.3	5.4	7.5	10.4	13.4	16.3	19.2	22.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	624.5	588.7	552.8	523.2	493.6	464.0	434.4	412.3	390.2	368.1	346.0
87.5°	25.9	29.2	32.5	35.9	39.2	42.5	45.8	49.1	52.4	55.7	59.0
85°	25.6	28.8	32.0	35.3	38.7	42.1	45.5	49.0	52.5	55.9	59.3
82.5°	25.3	28.6	32.0	35.3	38.6	42.0	45.3	48.8	52.3	55.9	59.4
80°	25.4	28.8	32.1	35.5	38.9	42.2	45.6	48.9	52.3	55.7	59.1
77.5°	25.6	29.0	32.4	35.8	39.1	42.5	45.9	49.2	52.6	56.0	59.3
75°	25.9	29.3	32.7	36.1	39.5	42.9	46.3	49.6	53.0	56.4	59.7
72.5°	25.9	29.3	32.8	36.4	39.9	43.3	46.7	50.1	53.5	56.9	60.2
70°	25.9	29.2	32.8	36.5	40.2	43.8	47.3	50.7	54.1	57.4	60.8
67.5°	26.1	29.7	33.3	37.0	40.7	44.4	47.9	51.3	54.7	58.1	61.4
65°	26.7	30.2	34.0	37.7	41.4	45.1	48.6	52.0	55.4	58.8	61.9
62.5°	27.2	30.8	34.7	38.5	42.2	45.9	49.4	52.9	56.3	59.6	62.7
60°	27.9	31.6	35.5	39.3	43.1	46.8	50.3	53.8	57.2	60.4	63.5
57.5°	28.6	32.4	36.4	40.3	44.1	47.8	51.3	54.8	58.2	61.4	64.5
55°	29.4	33.3	37.2	41.2	45.2	48.8	52.4	55.9	59.3	62.4	65.5
52.5°	30.3	34.2	38.1	41.9	45.9	49.9	53.6	57.1	60.5	63.8	66.7
50°	31.4	35.5	39.4	43.1	47.0	50.9	54.8	58.5	61.9	65.2	68.3
47.5°	32.5	36.8	41.1	45.1	48.7	52.5	56.3	59.9	63.3	66.6	69.8
45°	33.8	38.0	42.1	46.5	50.6	54.3	58.0	61.5	64.9	68.2	71.3
42.5°	35.2	39.5	43.7	47.9	52.1	56.1	59.8	63.3	66.6	69.8	72.9
40°	36.9	41.2	45.6	49.9	54.0	58.0	61.9	65.5	68.7	71.6	74.5
37.5°	38.8	43.2	48.0	52.5	56.5	60.2	64.0	67.7	71.1	73.7	76.3
35°	41.4	46.1	50.8	55.4	59.6	63.3	66.4	70.0	73.3	76.1	78.3
32.5°	44.5	49.4	54.4	58.9	62.9	66.9	70.0	72.5	75.7	78.4	80.7
30°	48.7	52.9	57.4	62.5	66.4	70.3	74.2	76.2	78.6	81.0	83.1
27.5°	53.2	57.3	61.1	64.9	69.7	73.6	77.3	80.4	82.0	84.0	85.8
25°	56.6	61.6	65.3	68.4	72.3	77.0	80.5	83.7	86.0	87.5	89.0
22.5°	58.7	64.8	69.7	72.6	75.7	79.9	84.0	87.1	90.3	91.8	92.6
20°	60.4	67.9	73.6	80.6	80.8	83.0	87.5	94.6	98.4	97.2	96.5
17.5°	70.1	72.1	89.7	98.9	92.1	88.2	105.4	113.6	111.0	103.8	100.6
15°	94.5	116.7	127.6	126.6	157.5	155.4	139.8	139.3	128.2	113.6	132.0
12.5°	441.1	201.1	228.5	659.9	477.4	296.8	203.2	171.1	236.3	298.1	281.3
10°	1549.1	2953.1	3111.3	2191.5	1174.5	538.0	836.8	880.5	767.7	614.7	464.0
7.5°	12061.7	10521.1	7660.8	5345.5	4403.7	3621.1	2906.6	2009.5	1396.4	979.0	670.7
5°	24909.2	20362.1	16287.7	12520.6	9887.4	7337.0	5305.2	3283.9	2085.7	1371.5	901.4
2.5°	37493.1	30769.4	25427.2	20026.7	16047.4	11921.8	8849.6	5983.0	4410.0	3374.8	2544.2
0°	54038.3	45192.7	38062.2	30446.4	24289.8	18161.5	13807.4	9821.1	7481.5	5695.6	4198.9
-2.5°	62704.5	53308.5	45156.2	37000.8	29388.4	22878.8	17472.2	13029.8	9967.9	7478.6	5574.7
-5°	66307.2	57236.4	49206.0	41190.4	33549.1	26804.2	20848.8	15948.0	12252.0	9169.9	6871.1
-7.5°	71619.1	61717.2	52842.3	44702.0	37078.7	30109.1	23817.8	18475.4	14273.1	10856.7	8251.5
-10°	76937.4	66530.7	57113.7	48192.5	40121.9	32872.6	26267.7	20584.1	16004.7	12326.0	9485.0
-12.5°	81904.4	70743.5	60298.1	50839.0	42530.2	35025.8	28211.2	22237.3	17401.7	13538.6	10542.0
-15°	85585.6	74294.7	63351.2	53100.7	44228.2	36600.6	29688.0	23431.7	18450.2	14438.4	11397.8
-17.5°	88101.9	76425.9	65221.6	54853.8	45792.1	37699.5	30584.1	24313.4	19187.6	15035.8	11911.4
-20°	89004.0	77107.3	65890.2	55726.0	46717.9	38524.6	30938.4	24631.6	19503.8	15423.0	12192.5



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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°	88326.7	76694.2	65820.8	55794.7	46682.5	38598.7	31269.2	24819.6	19322.5	15461.5	12236.9
-25°	87038.3	75328.3	64628.5	54901.8	45996.5	38068.8	31090.0	24802.9	19526.0	15250.8	12069.6
-27.5°	84051.3	72746.3	62395.8	53195.3	44786.5	37241.4	30395.9	24322.5	19455.9	15265.1	11870.2
-30°	79545.0	69129.0	59576.2	50879.2	43096.3	35870.1	29154.8	23804.4	19113.0	15045.1	11772.6
-32.5°	73939.3	64805.3	56099.6	48175.9	40824.3	34001.5	28138.2	22892.5	18392.7	14684.3	11629.9
-35°	68104.2	60085.6	52337.7	44969.1	38126.1	32199.6	26749.9	21797.6	17554.9	14081.2	11306.6
-37.5°	62143.9	55022.2	47912.8	41271.9	35528.0	30104.6	25033.6	20544.2	16537.0	13461.8	10864.4
-40°	55744.3	49228.8	43430.5	37830.9	32593.6	27669.6	23198.7	19079.9	15666.4	12690.0	10280.0
-42.5°	49676.7	44314.4	39106.3	34101.5	29420.3	25222.0	21224.4	17693.1	14588.7	11907.3	9692.1
-45°	43975.5	39216.7	34612.7	30511.2	26488.1	22791.6	19260.9	16180.7	13428.2	11093.9	9009.7
-47.5°	38486.6	34687.5	30855.0	27218.0	23766.0	20442.3	17422.5	14614.2	12309.4	10190.3	8372.8
-50°	33935.3	30497.1	27189.2	24110.2	21189.4	18293.4	15617.4	13199.1	11155.6	9340.9	7676.3
-52.5°	29049.2	26437.3	23815.4	21226.8	18663.6	16140.9	13809.7	11866.7	10073.5	8459.8	6989.4
-55°	25141.5	22918.7	20645.5	18339.1	16082.8	14115.1	12253.1	10554.5	8998.5	7543.9	6303.8
-57.5°	21500.3	19612.2	17626.8	15719.1	13908.4	12287.1	10753.9	9268.5	7941.5	6737.1	5604.6
-60°	17974.4	16320.1	14846.4	13405.9	12005.5	10624.7	9333.8	8108.0	6954.7	5919.7	4948.8
-62.5°	14991.4	13738.2	12522.0	11357.8	10213.5	9083.0	7983.4	6971.0	6006.2	5095.2	4279.9
-65°	12385.2	11404.0	10401.9	9453.6	8530.5	7635.4	6717.4	5856.1	5051.1	4293.6	3598.2
-67.5°	10045.4	9241.9	8442.6	7681.9	6959.4	6227.2	5479.6	4759.5	4122.1	3533.6	2980.6
-70°	8009.2	7395.5	6775.7	6138.8	5518.8	4927.1	4360.2	3815.1	3291.5	2812.7	2375.5
-72.5°	6227.6	5733.6	5229.5	4731.4	4241.8	3793.7	3363.0	2942.1	2531.9	2134.5	1793.8
-75°	4655.4	4268.9	3888.7	3524.5	3160.8	2799.7	2473.9	2169.6	1873.5	1586.9	1328.4
-77.5°	3345.6	3070.7	2797.8	2537.0	2277.0	2019.2	1766.2	1535.1	1335.8	1145.2	974.6
-80°	2327.1	2138.5	1952.1	1774.6	1598.4	1424.5	1255.2	1098.1	946.9	814.1	703.9
-82.5°	1584.4	1465.0	1345.1	1229.7	1115.4	1002.9	893.5	796.1	701.7	610.7	526.0
-85°	1122.3	1036.5	952.0	878.3	805.6	733.9	664.0	605.8	549.5	495.3	444.1
-87.5°	829.8	777.2	724.7	675.5	626.7	578.5	531.0	494.6	458.8	423.7	389.4
-90°	25.9	29.2	32.5	35.6	38.8	41.9	45.0	48.4	51.7	55.1	58.4



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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°	330.8	315.6	300.4	285.2	273.3	261.4	249.5	237.6	223.0	208.4	193.9
87.5°	62.1	65.2	68.3	71.4	74.1	76.9	79.7	82.5	84.6	86.7	88.8
85°	62.5	65.6	68.7	71.8	74.5	77.2	79.9	82.6	84.7	86.8	88.9
82.5°	62.6	65.8	68.9	71.9	74.6	77.3	80.0	82.7	84.8	86.8	88.9
80°	62.5	65.8	69.0	72.1	74.8	77.5	80.2	82.8	85.0	87.1	89.1
77.5°	62.6	65.9	69.3	72.4	75.1	77.7	80.4	83.0	85.2	87.4	89.4
75°	63.0	66.3	69.6	72.7	75.4	78.0	80.7	83.2	85.4	87.7	89.8
72.5°	63.5	66.8	70.1	73.1	75.7	78.4	81.0	83.4	85.7	87.9	90.1
70°	64.1	67.4	70.6	73.5	76.1	78.7	81.3	83.7	85.9	88.1	90.3
67.5°	64.7	68.0	71.3	74.0	76.6	79.2	81.8	84.1	86.2	88.4	90.6
65°	65.2	68.5	71.9	74.5	77.1	79.7	82.2	84.4	86.6	88.7	90.8
62.5°	65.8	68.9	72.1	75.0	77.7	80.2	82.7	84.9	87.0	89.0	91.1
60°	66.6	69.6	72.5	75.4	78.2	80.8	83.3	85.5	87.5	89.4	91.4
57.5°	67.5	70.5	73.4	76.1	78.8	81.4	83.9	86.1	88.1	89.9	91.8
55°	68.5	71.5	74.5	77.2	79.7	82.1	84.6	86.8	88.8	90.6	92.0
52.5°	69.6	72.6	75.5	78.3	80.9	83.0	85.3	87.6	89.5	91.3	92.5
50°	71.1	73.7	76.6	79.4	82.1	84.1	86.1	88.3	90.4	92.0	93.0
47.5°	72.8	75.2	77.8	80.5	83.2	85.3	87.0	89.1	91.2	92.8	93.5
45°	74.3	76.9	79.2	81.7	84.2	86.3	88.0	89.9	92.0	93.4	94.1
42.5°	75.7	78.5	80.9	83.0	85.3	87.3	89.0	90.7	92.7	94.1	94.6
40°	77.3	80.0	82.6	84.6	86.5	88.4	90.0	91.6	93.5	94.8	95.3
37.5°	79.0	81.6	84.2	86.3	87.9	89.7	91.2	92.5	94.3	95.5	95.9
35°	80.8	83.3	85.6	87.8	89.5	91.0	92.4	93.5	95.2	96.2	96.6
32.5°	82.7	85.1	87.1	89.1	91.2	92.5	93.7	95.0	96.2	97.0	97.3
30°	85.0	86.9	88.8	90.5	92.7	94.0	95.3	96.7	97.3	98.0	98.0
27.5°	87.5	88.9	90.7	92.1	94.0	95.7	97.6	98.6	98.5	98.9	98.8
25°	90.3	91.4	92.7	93.8	95.3	98.9	100.1	100.7	100.1	100.0	99.6
22.5°	93.4	94.0	94.8	95.7	99.5	102.5	102.9	102.8	101.8	101.1	100.4
20°	96.8	96.8	99.4	105.4	105.3	106.3	106.0	105.1	103.7	102.3	101.3
17.5°	100.4	112.7	118.4	117.7	113.1	110.6	109.3	107.6	105.6	103.5	102.2
15°	155.1	152.0	142.1	132.2	122.1	115.2	112.8	110.0	107.6	104.7	104.2
12.5°	240.5	200.1	169.7	148.6	132.1	120.2	116.4	112.6	109.6	108.0	107.7
10°	341.9	255.1	200.1	166.3	142.9	125.3	120.1	119.9	117.6	112.8	111.4
7.5°	454.4	314.6	232.4	184.9	174.4	163.9	152.0	138.0	126.8	117.8	115.0
5°	761.2	637.4	530.6	422.0	320.9	241.3	190.1	156.9	136.3	122.7	118.7
2.5°	1888.4	1380.5	1007.1	701.9	472.5	321.4	229.0	176.1	145.8	127.7	122.3
0°	3023.3	2127.8	1485.8	982.2	623.7	401.0	267.6	195.1	155.1	132.6	125.9
-2.5°	4145.4	2981.4	2123.9	1468.8	979.1	648.4	425.6	289.5	206.5	159.6	140.3
-5°	5202.7	3790.2	2731.7	1933.7	1320.1	886.1	577.9	380.7	256.2	185.9	154.4
-7.5°	6281.4	4610.6	3336.0	2376.4	1638.7	1108.0	720.5	466.0	303.0	211.1	168.0
-10°	7266.0	5392.3	3944.6	2844.0	1989.9	1349.0	859.9	543.1	345.7	234.4	180.9
-12.5°	8104.7	6064.9	4477.8	3258.9	2317.8	1602.2	1051.6	659.5	390.4	255.5	192.9
-15°	8776.0	6610.9	4923.2	3612.4	2604.8	1824.3	1222.7	785.4	479.7	292.2	203.9
-17.5°	9234.0	7015.1	5269.5	3896.6	2845.6	2011.0	1369.9	894.2	558.4	347.7	228.9
-20°	9482.2	7280.4	5518.7	4104.6	3035.7	2158.3	1490.4	983.7	624.9	396.4	262.9



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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°	9589.4	7443.6	5698.2	4285.8	3180.3	2262.8	1581.8	1051.7	677.9	437.5	293.2
-25°	9534.7	7492.4	5776.6	4395.7	3281.8	2358.3	1650.8	1096.7	716.2	470.2	319.1
-27.5°	9444.8	7446.2	5755.4	4434.4	3321.8	2413.8	1697.2	1139.6	745.0	493.8	340.4
-30°	9265.2	7340.8	5719.8	4411.5	3308.1	2436.3	1711.2	1162.0	772.1	515.5	356.8
-32.5°	9133.5	7116.3	5619.5	4351.9	3285.8	2424.8	1707.8	1162.1	785.9	534.0	372.4
-35°	8948.1	6953.6	5437.7	4227.3	3237.4	2407.9	1701.3	1139.3	785.9	545.1	385.6
-37.5°	8605.2	6790.5	5238.8	4080.4	3144.9	2360.3	1690.8	1146.3	771.8	548.5	394.9
-40°	8274.9	6537.0	5057.7	3931.5	3047.5	2282.4	1654.4	1149.0	762.1	544.1	400.2
-42.5°	7812.4	6218.7	4869.7	3749.5	2927.2	2211.9	1597.6	1133.2	771.0	541.6	401.4
-45°	7322.9	5846.2	4629.4	3611.9	2779.4	2112.0	1557.3	1103.5	768.9	538.1	400.2
-47.5°	6759.2	5472.3	4354.3	3408.4	2633.4	1997.4	1495.0	1081.3	753.1	529.8	397.6
-50°	6228.8	5049.4	4036.7	3189.4	2461.7	1897.6	1419.6	1041.7	743.4	525.6	391.7
-52.5°	5693.9	4594.5	3704.9	2938.7	2304.4	1773.2	1347.5	987.6	720.8	517.1	382.4
-55°	5134.1	4146.3	3359.7	2693.1	2123.9	1651.5	1255.5	938.4	685.8	502.9	370.5
-57.5°	4612.7	3705.3	3026.5	2436.3	1932.5	1510.2	1161.3	874.1	650.0	481.1	360.3
-60°	4066.2	3309.9	2680.9	2168.9	1724.5	1358.8	1059.4	802.7	607.9	454.2	348.0
-62.5°	3537.0	2879.8	2332.7	1882.5	1512.3	1204.2	946.8	734.0	557.2	428.6	332.2
-65°	3002.8	2453.4	1962.2	1610.9	1300.1	1041.4	842.5	655.4	510.3	397.9	313.8
-67.5°	2466.5	2030.3	1640.2	1333.0	1093.3	892.7	724.5	582.4	460.3	362.5	296.0
-70°	1976.4	1615.3	1319.4	1088.2	896.1	737.7	622.2	508.6	404.9	334.7	276.3
-72.5°	1518.7	1263.3	1029.2	841.1	722.1	614.7	519.4	434.9	365.1	305.0	254.8
-75°	1110.0	943.7	793.0	665.7	571.1	489.4	436.6	381.6	323.3	273.3	241.3
-77.5°	839.0	710.2	588.7	508.1	460.7	414.7	370.4	325.8	286.8	257.9	230.4
-80°	623.0	546.7	475.6	414.0	375.8	339.5	318.6	296.5	269.6	243.8	219.1
-82.5°	468.2	424.7	386.7	352.1	333.4	314.5	295.2	275.4	251.9	229.3	209.8
-85°	412.2	381.3	351.7	323.7	306.5	289.2	273.6	258.2	240.0	222.2	204.7
-87.5°	367.2	345.4	324.0	303.2	289.3	275.4	261.7	248.0	231.7	215.5	199.4
-90°	61.5	64.7	67.8	70.9	73.8	76.7	79.6	82.5	84.6	86.7	88.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	179.3	162.4	145.5	128.6	111.7	104.6	97.6
87.5°	90.9	92.2	93.5	94.7	96.0	96.8	97.6
85°	90.9	92.3	93.6	94.8	96.0	96.8	97.6
82.5°	91.0	92.3	93.7	94.9	96.1	96.8	97.6
80°	91.1	92.4	93.8	95.0	96.2	96.8	97.6
77.5°	91.3	92.6	93.9	95.1	96.3	96.9	97.6
75°	91.6	92.8	94.0	95.3	96.4	96.9	97.6
72.5°	91.9	92.9	94.1	95.4	96.4	96.9	97.6
70°	92.1	93.2	94.3	95.5	96.5	96.9	97.6
67.5°	92.3	93.4	94.4	95.6	96.6	97.0	97.6
65°	92.4	93.6	94.6	95.7	96.7	97.0	97.6
62.5°	92.6	93.7	94.7	95.8	96.7	97.0	97.6
60°	92.8	93.9	94.9	95.9	96.8	97.0	97.6
57.5°	93.1	94.2	95.1	96.0	96.9	97.1	97.6
55°	93.3	94.4	95.3	96.1	96.9	97.1	97.6
52.5°	93.6	94.7	95.5	96.2	97.0	97.1	97.6
50°	93.9	94.9	95.7	96.3	97.1	97.1	97.6
47.5°	94.3	95.2	96.0	96.4	97.2	97.2	97.6
45°	94.7	95.5	96.2	96.6	97.3	97.2	97.6
42.5°	95.2	95.9	96.5	96.8	97.4	97.2	97.6
40°	95.7	96.2	96.8	97.1	97.5	97.3	97.6
37.5°	96.1	96.6	97.1	97.4	97.6	97.3	97.6
35°	96.6	97.0	97.3	97.7	97.8	97.3	97.6
32.5°	97.1	97.4	97.6	98.1	97.9	97.3	97.6
30°	97.7	97.8	97.9	98.4	98.1	97.3	97.6
27.5°	98.3	98.2	98.6	98.8	98.2	97.4	97.6
25°	98.9	98.6	99.3	99.2	98.4	97.4	97.6
22.5°	99.5	99.3	100.1	99.6	98.6	97.4	97.6
20°	100.1	100.7	101.0	100.0	98.7	97.4	97.6
17.5°	101.8	102.3	101.9	100.5	98.9	97.5	97.6
15°	104.2	103.9	102.8	100.9	99.1	97.5	97.6
12.5°	106.6	105.6	103.7	101.3	99.3	97.5	97.6
10°	109.1	107.3	104.7	101.8	99.4	97.5	97.6
7.5°	111.7	109.0	105.6	102.2	99.6	97.5	97.6
5°	114.2	110.8	106.6	102.6	99.8	97.6	97.6
2.5°	116.7	112.5	107.5	103.0	99.9	97.6	97.6
0°	119.2	114.2	108.4	103.4	100.1	97.6	97.6
-2.5°	128.0	119.5	111.4	105.1	101.1	98.0	97.6
-5°	136.6	124.7	114.3	106.9	102.0	98.5	97.6
-7.5°	145.0	129.8	117.2	108.6	103.0	98.9	97.6
-10°	153.0	134.6	119.9	110.2	103.9	99.3	97.6
-12.5°	160.5	139.2	122.6	111.8	104.8	99.8	97.6
-15°	167.5	143.4	125.0	113.3	105.7	100.2	97.6
-17.5°	173.9	147.2	127.4	114.8	106.6	100.6	97.6
-20°	185.9	150.6	129.5	116.2	107.4	101.0	97.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	206.9	153.6	131.5	117.5	108.2	101.3	97.6
-25°	225.7	163.2	133.2	118.7	109.0	101.7	97.6
-27.5°	242.4	174.6	134.8	119.9	109.7	102.1	97.6
-30°	256.6	184.6	136.6	120.9	110.4	102.4	97.6
-32.5°	268.2	193.2	142.9	121.8	111.0	102.7	97.6
-35°	278.3	200.3	148.5	122.7	111.6	103.0	97.6
-37.5°	286.4	206.4	153.2	123.4	112.2	103.3	97.6
-40°	292.0	211.9	157.1	124.0	112.7	103.6	97.6
-42.5°	295.3	216.1	160.4	125.2	113.1	103.8	97.6
-45°	296.0	218.8	163.3	127.3	113.5	104.1	97.6
-47.5°	294.4	220.1	165.3	128.9	113.9	104.3	97.6
-50°	293.0	220.0	166.5	130.5	114.2	104.5	97.6
-52.5°	290.1	218.5	166.9	131.9	114.5	104.6	97.6
-55°	285.2	216.7	166.5	133.0	114.7	104.8	97.6
-57.5°	278.3	213.9	165.4	133.8	114.8	104.9	97.6
-60°	269.8	209.8	163.6	134.4	114.9	105.0	97.6
-62.5°	261.2	204.7	163.2	134.6	114.9	105.1	97.6
-65°	251.1	198.4	162.3	134.6	114.9	105.1	97.6
-67.5°	239.6	193.4	161.0	134.4	114.8	105.2	97.6
-70°	226.7	189.9	159.3	133.9	114.6	105.2	97.6
-72.5°	219.1	185.8	157.2	133.7	114.4	105.2	97.6
-75°	211.8	181.2	154.8	133.3	114.2	105.1	97.6
-77.5°	203.8	176.2	153.4	132.8	113.9	105.1	97.6
-80°	195.3	173.0	152.2	132.2	113.5	105.0	97.6
-82.5°	191.2	170.6	150.7	131.5	113.1	105.0	97.6
-85°	187.5	168.1	149.1	130.6	112.7	104.9	97.6
-87.5°	183.5	165.3	147.4	129.7	112.2	104.8	97.6
-90°	90.9	92.2	93.4	94.7	95.9	96.8	97.6

(END OF REPORT)