

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: P1212216 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-2S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212216 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-24)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHEBUS
Catalog Number: EPH-LS12-1000R-57-90-2S-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

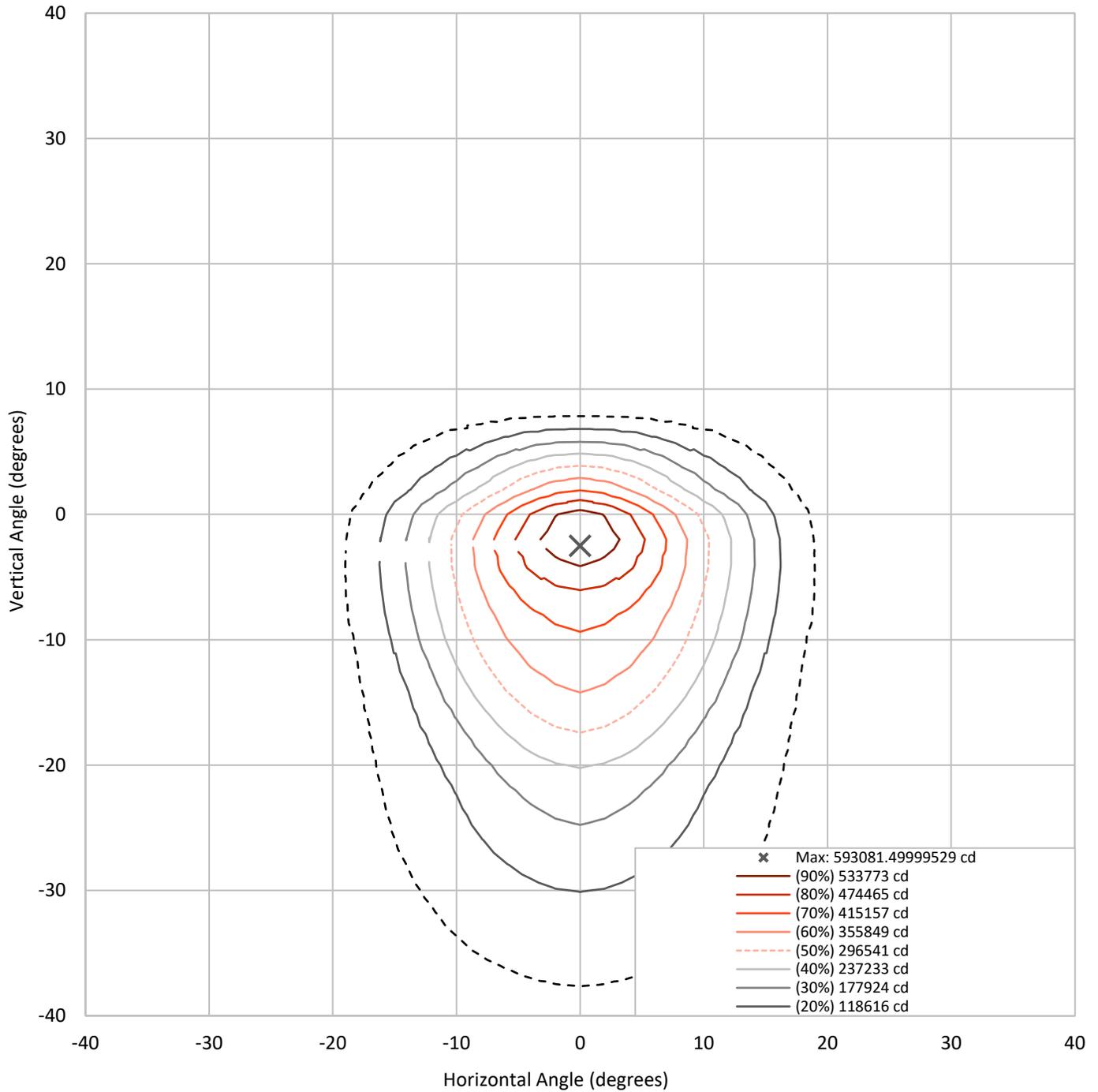
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	107864.4 lumens	Max Intensity:	593081.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	100.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	21.2°H x 21.4°V	Field Angle (10%):	38°H x 45.2°V
Beam Lumens:	40398.1 lumens	Field Lumens:	85052.3 lumens
Beam Efficiency:	37.5%	Field Efficiency:	78.9%
Input Watts (W):	1078.1		
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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CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-ECV

Iso-Candela Plot





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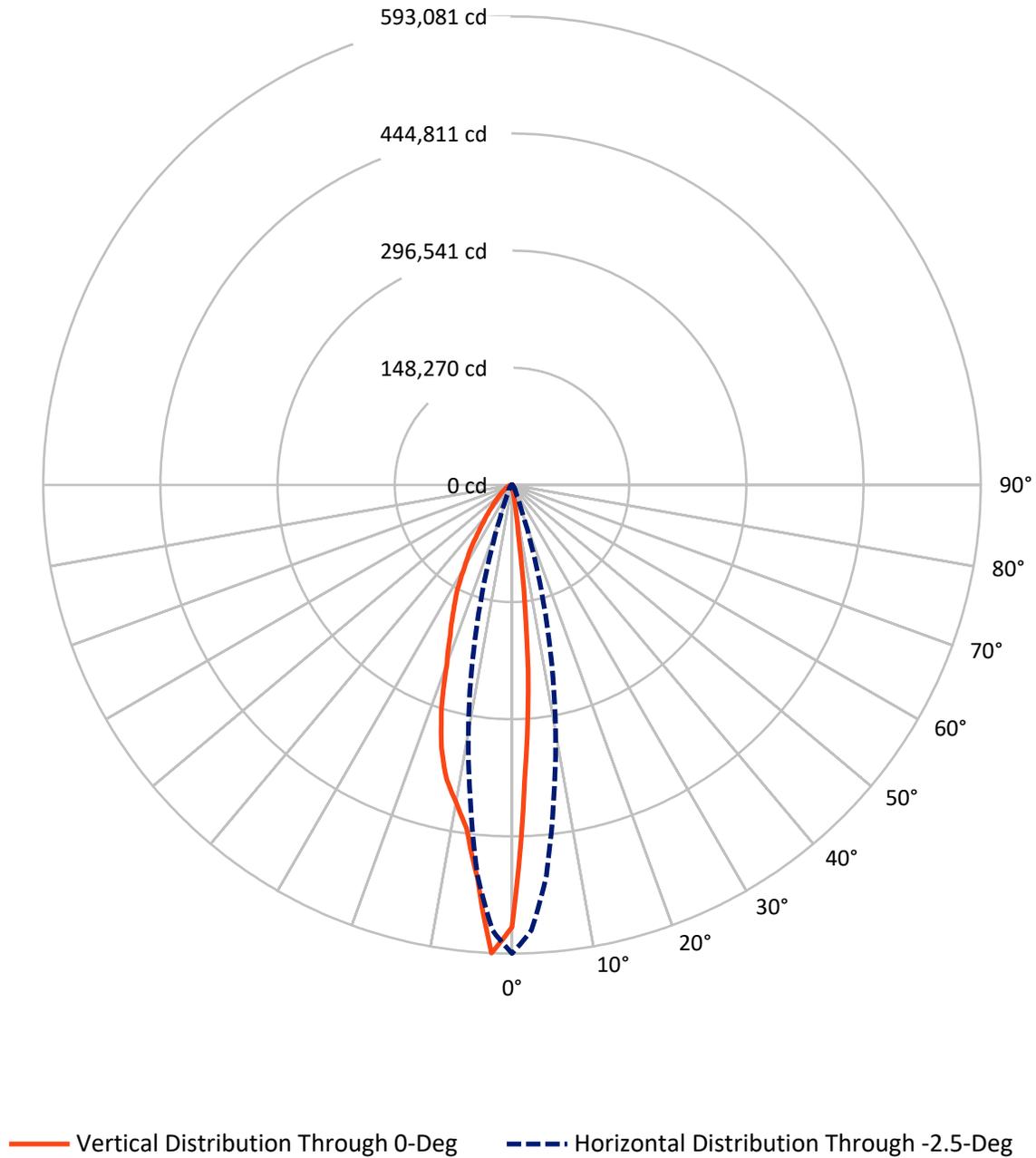
CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-ECV

Lumen Table

90	1.7	4.5	5.4	4.6	3.6	4.6	5.4	4.5	1.7										
80																			
70																			
60	1.6	0.9	1.1	1.2	1.1	0.8	0.5	0.2	0.2	0.5	0.8	1.1	1.2	1.1	0.9			1.6	
50		0.9	1.1	1.2	1.1	0.9	0.6	0.2	0.2	0.6	0.9	1.1	1.2	1.1	0.9				
40	1.7	1.0	1.2	1.3	1.3	1.0	0.7	0.2	0.2	0.7	1.0	1.3	1.3	1.2	1.0			1.7	
30		1.0	1.3	1.4	1.4	1.2	0.9	0.3	0.3	0.9	1.2	1.4	1.4	1.3	1.0				
20	1.8	1.0	1.4	1.6	1.7	1.8	1.4	0.5	0.5	1.4	1.8	1.7	1.6	1.4	1.0			1.8	
10		1.1	1.7	2.4	3.4	5.4	5.8	7.3	7.3	5.8	5.4	3.4	2.4	1.7	1.1				
0	2.0	1.4	4.0	13.4	43.6	174.5	1705.6	5682.0	5682.0	1705.6	174.5	43.6	13.4	4.0	1.4			2.0	
-10		2.7	15.9	56.8	167.2	547.1	4483.5	12816.5	12816.5	4483.5	547.1	167.2	56.8	15.9	2.7				
-20	2.7	4.8	26.7	96.3	244.7	647.4	3029.2	8631.1	8631.1	3029.2	647.4	244.7	96.3	26.7	4.8			2.7	
-30		6.2	29.5	98.3	263.2	644.0	1878.0	4500.7	4500.7	1878.0	644.0	263.2	98.3	29.5	6.2				
-40	3.3	6.5	28.4	85.0	226.2	512.5	1135.0	2107.0	2107.0	1135.0	512.5	226.2	85.0	28.4	6.5			3.3	
-50		6.0	24.2	68.0	157.4	328.5	613.7	885.4	885.4	613.7	328.5	157.4	68.0	24.2	6.0				
-60	3.3	4.8	17.2	47.5	102.0	187.3	312.7	414.2	414.2	312.7	187.3	102.0	47.5	17.2	4.8			3.3	
-70		3.6	9.3	25.2	53.5	93.6	143.1	177.8	177.8	143.1	93.6	53.5	25.2	9.3	3.6				
-80	2.9	14.1	42.1	107.9	156.6	107.9	42.1	14.1	2.9										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

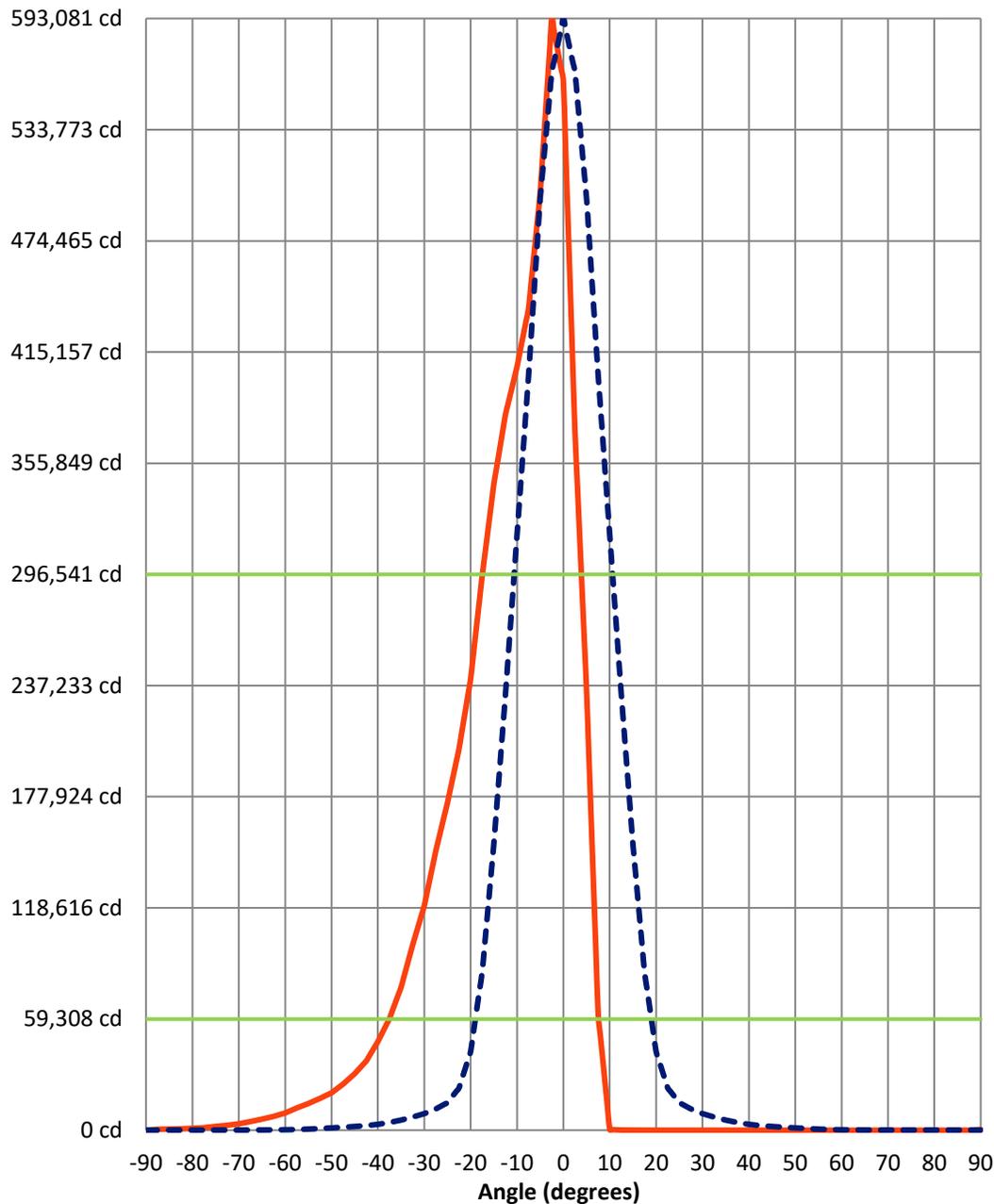
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CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 21.2°
 V Angle: 21.4°
 Lumens: 40398.1
 Efficiency: 37.5%

Field:
 H Angle: 38°
 V Angle: 45.2°
 Lumens: 85052.3
 Efficiency: 78.9%

Spill:
 Lumens: 22812.1
 Efficiency: 21.1%

— 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°	82.6	87.6	92.6	105.9	119.2	132.6	145.9	156.9	168.0	179.0	190.1
87.5°	82.6	82.2	81.7	80.5	79.2	78.0	76.7	75.1	73.4	71.8	70.1
85°	82.6	82.2	81.7	80.5	79.2	78.0	76.7	75.1	73.4	71.8	70.2
82.5°	82.6	82.2	81.7	80.5	79.2	78.0	76.8	75.1	73.5	71.9	70.2
80°	82.6	82.2	81.7	80.5	79.3	78.0	76.8	75.2	73.6	72.0	70.3
77.5°	82.6	82.2	81.7	80.5	79.3	78.1	76.9	75.3	73.7	72.1	70.4
75°	82.6	82.2	81.7	80.6	79.4	78.2	76.9	75.4	73.8	72.2	70.6
72.5°	82.6	82.2	81.7	80.6	79.4	78.2	77.0	75.6	74.0	72.4	70.8
70°	82.6	82.2	81.8	80.7	79.5	78.3	77.1	75.7	74.1	72.6	71.0
67.5°	82.6	82.2	81.8	80.7	79.6	78.4	77.2	75.9	74.3	72.8	71.2
65°	82.6	82.2	81.8	80.8	79.7	78.5	77.4	76.1	74.6	73.0	71.5
62.5°	82.6	82.2	81.8	80.9	79.8	78.6	77.5	76.3	74.8	73.3	71.8
60°	82.6	82.2	81.8	80.9	79.9	78.8	77.7	76.5	75.1	73.6	72.1
57.5°	82.6	82.2	81.8	81.0	80.0	78.9	77.8	76.8	75.3	73.9	72.4
55°	82.6	82.2	81.9	81.1	80.1	79.1	78.0	77.0	75.6	74.2	72.8
52.5°	82.6	82.2	81.9	81.2	80.2	79.2	78.2	77.2	76.0	74.6	73.2
50°	82.6	82.3	82.0	81.3	80.4	79.4	78.4	77.5	76.3	75.0	73.8
47.5°	82.6	82.3	82.0	81.4	80.5	79.6	78.6	77.8	76.7	75.4	74.4
45°	82.6	82.3	82.1	81.5	80.6	79.7	78.9	78.1	77.1	76.0	75.1
42.5°	82.6	82.3	82.1	81.7	80.8	79.9	79.2	78.5	77.5	76.7	75.7
40°	82.6	82.3	82.2	81.8	81.0	80.1	79.6	78.9	78.0	77.5	76.3
37.5°	82.6	82.3	82.2	81.9	81.1	80.4	79.9	79.3	78.6	78.2	77.0
35°	82.6	82.3	82.3	82.0	81.3	80.6	80.3	79.8	79.3	78.8	77.6
32.5°	82.6	82.4	82.4	82.2	81.5	81.0	80.7	80.3	79.9	79.4	78.5
30°	82.6	82.4	82.4	82.4	81.7	81.3	81.2	80.8	80.6	80.2	79.4
27.5°	82.6	82.4	82.5	82.6	82.0	81.6	81.6	81.4	81.3	81.0	80.5
25°	82.6	82.4	82.6	82.8	82.4	82.0	82.0	81.9	82.0	82.0	81.8
22.5°	82.6	82.4	82.7	83.0	82.9	82.5	82.5	82.5	82.7	83.0	83.1
20°	82.6	82.4	82.8	83.2	83.3	83.3	83.0	83.1	83.5	84.1	84.5
17.5°	82.6	82.5	82.8	83.4	83.8	84.1	83.9	83.7	84.3	85.3	85.9
15°	82.6	82.5	82.9	83.7	84.4	84.9	85.3	84.9	85.1	86.5	87.3
12.5°	82.6	82.5	83.0	83.9	84.9	85.8	86.8	86.9	87.1	87.7	88.8
10°	82.6	82.5	83.1	84.2	85.4	86.7	88.2	89.0	90.0	91.1	91.8
7.5°	82.6	82.5	83.2	84.4	86.0	87.5	89.7	91.1	92.9	94.8	98.2
5°	82.6	82.6	83.2	84.6	86.5	88.4	91.2	93.3	95.9	98.5	104.9
2.5°	82.6	82.6	83.3	84.9	87.1	89.3	92.7	95.5	98.8	102.2	111.7
0°	82.6	82.6	83.4	85.1	87.6	90.1	94.2	97.6	101.7	105.9	118.4
-2.5°	82.6	82.9	84.1	86.2	89.4	92.9	98.9	104.1	111.2	122.7	149.6
-5°	82.6	83.1	84.7	87.4	91.1	95.7	103.4	110.6	120.6	139.1	179.8
-7.5°	82.6	83.4	85.3	88.5	92.8	98.5	107.9	116.9	129.6	154.7	208.0
-10°	82.6	83.7	86.0	89.6	94.4	101.1	112.1	122.9	138.2	169.1	233.4
-12.5°	82.6	83.9	86.6	90.6	96.0	103.6	116.0	128.7	146.3	184.5	273.5
-15°	82.6	84.2	87.2	91.7	97.5	106.0	119.7	134.2	159.4	215.3	317.1
-17.5°	82.6	84.5	87.8	92.6	99.0	108.2	122.9	143.3	178.2	242.4	354.6
-20°	82.6	84.7	88.3	93.6	100.4	110.2	127.5	154.7	194.8	265.2	385.0



REPORT NUMBER: P1212216 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	82.6	85.0	88.9	94.5	101.7	112.0	134.2	164.9	209.1	283.3	407.8
-25°	82.6	85.2	89.4	95.3	102.9	115.8	140.3	173.8	220.7	296.2	422.2
-27.5°	82.6	85.4	89.9	96.1	104.0	120.2	145.7	181.2	229.5	306.1	436.9
-30°	82.6	85.6	90.4	96.8	105.2	124.2	150.3	187.2	237.4	316.2	444.4
-32.5°	82.6	85.9	90.8	97.5	108.1	127.8	154.1	192.3	244.1	322.1	443.9
-35°	82.6	86.1	91.2	98.1	110.7	130.9	158.0	196.5	248.5	323.6	435.2
-37.5°	82.6	86.2	91.6	98.7	113.0	133.8	161.6	199.5	250.5	320.7	440.2
-40°	82.6	86.4	91.9	99.1	115.0	136.5	164.5	201.3	250.2	318.9	441.9
-42.5°	82.6	86.6	92.2	99.9	116.9	138.9	166.8	201.9	249.9	319.9	434.1
-45°	82.6	86.8	92.5	101.1	118.5	140.7	168.4	202.4	249.1	315.8	418.7
-47.5°	82.6	86.9	92.8	102.1	119.9	142.1	169.4	203.3	246.7	306.1	405.9
-50°	82.6	87.0	93.0	103.2	121.0	143.1	170.3	203.4	242.2	299.6	385.7
-52.5°	82.6	87.2	93.1	104.1	121.9	143.6	170.6	202.6	238.4	289.5	360.1
-55°	82.6	87.3	93.3	104.9	122.5	144.1	170.3	201.1	234.3	276.1	342.3
-57.5°	82.6	87.4	93.4	105.6	122.8	144.1	169.4	199.5	228.7	266.4	320.4
-60°	82.6	87.5	93.4	106.2	122.9	143.8	168.1	196.3	222.3	256.7	298.9
-62.5°	82.6	87.5	93.5	106.7	123.3	143.2	166.7	192.2	216.9	245.3	284.0
-65°	82.6	87.6	93.6	107.0	123.6	142.2	164.9	188.0	210.9	236.6	267.1
-67.5°	82.6	87.7	93.6	107.2	123.7	141.4	162.6	184.2	204.2	228.2	254.3
-70°	82.6	87.7	93.6	107.4	123.6	141.0	159.9	180.1	199.3	219.0	243.0
-72.5°	82.6	87.7	93.6	107.5	123.3	140.4	158.5	175.7	194.2	212.9	232.0
-75°	82.6	87.7	93.5	107.5	122.9	139.5	157.0	172.8	188.7	206.6	224.7
-77.5°	82.6	87.7	93.4	107.5	122.6	138.4	155.3	170.2	185.1	200.6	217.1
-80°	82.6	87.7	93.3	107.4	122.2	137.5	153.3	167.3	181.5	196.0	211.0
-82.5°	82.6	87.7	93.2	107.1	121.6	136.5	151.7	164.6	177.6	191.2	205.1
-85°	82.6	87.7	93.0	106.8	120.9	135.3	149.9	162.2	174.5	187.0	199.6
-87.5°	82.6	87.6	92.8	106.4	120.1	134.0	148.0	159.7	171.4	183.1	194.9
-90°	82.6	82.2	81.7	80.5	79.2	78.0	76.7	75.1	73.4	71.8	70.1



REPORT NUMBER: P1212216 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	196.4	202.7	208.9	215.2	219.4	223.5	227.7	231.8	237.5	243.1	248.8
87.5°	67.9	65.7	63.5	61.3	58.7	56.2	53.7	51.2	48.4	45.6	42.8
85°	67.9	65.6	63.3	61.1	58.7	56.2	53.8	51.3	48.6	45.8	43.0
82.5°	68.1	65.9	63.8	61.7	59.3	56.9	54.4	51.9	48.9	45.9	42.9
80°	68.3	66.2	64.1	61.8	59.3	56.7	54.1	51.5	48.5	45.6	42.6
77.5°	68.4	66.2	64.0	61.6	59.1	56.7	54.2	51.6	48.8	45.8	42.9
75°	68.6	66.3	64.1	62.1	59.8	57.3	54.7	52.0	49.1	46.2	43.3
72.5°	68.8	66.7	64.7	62.7	60.3	57.5	54.8	52.3	49.6	46.6	43.7
70°	69.2	67.2	65.0	62.7	60.2	57.7	55.3	52.8	50.1	47.1	44.2
67.5°	69.5	67.4	65.2	62.9	60.9	58.5	56.0	53.3	50.6	47.7	44.7
65°	69.9	67.7	65.6	63.7	61.8	59.3	56.6	53.9	51.2	48.3	45.3
62.5°	70.2	68.2	66.3	64.4	62.3	59.9	57.1	54.4	51.8	49.0	46.1
60°	70.6	68.8	66.8	64.9	62.8	60.3	57.5	55.0	52.5	49.8	46.9
57.5°	71.0	69.3	67.4	65.3	63.1	60.6	58.2	55.8	53.3	50.7	47.7
55°	71.4	69.8	67.9	65.8	63.5	61.4	59.0	56.6	54.1	51.6	48.7
52.5°	71.9	70.4	68.5	66.4	64.3	62.2	59.9	57.5	55.0	52.5	49.8
50°	72.5	71.0	69.2	67.1	65.2	63.1	60.8	58.4	56.1	53.7	51.0
47.5°	73.1	71.6	70.0	68.1	66.3	64.2	61.9	59.8	57.5	54.8	52.0
45°	73.7	72.2	70.7	69.3	67.4	65.2	63.2	61.4	58.5	55.8	53.4
42.5°	74.3	72.9	71.7	70.6	68.5	66.5	64.7	62.2	59.6	57.4	54.8
40°	75.0	73.6	72.7	71.5	69.7	67.8	65.6	63.2	61.5	59.0	56.4
37.5°	75.7	74.6	73.8	72.3	70.9	69.0	66.8	64.9	63.0	60.7	58.0
35°	76.4	75.6	74.6	73.3	71.9	70.2	68.3	66.5	64.6	62.3	59.8
32.5°	77.3	76.7	75.5	74.4	73.1	71.5	69.8	68.3	66.3	64.1	61.7
30°	78.4	77.6	76.5	75.6	74.2	72.9	71.5	70.1	68.1	65.9	64.0
27.5°	79.8	78.5	77.6	76.8	75.5	74.4	73.4	71.9	70.0	68.0	66.7
25°	81.3	80.4	78.9	78.0	77.0	76.1	75.3	73.8	72.0	70.9	69.8
22.5°	83.0	82.7	81.7	79.2	78.6	78.0	77.1	76.1	75.0	74.2	73.1
20°	84.8	85.2	84.8	83.2	81.2	79.9	79.2	78.8	79.1	79.3	78.5
17.5°	86.9	88.0	88.2	88.3	88.8	86.4	81.4	82.0	83.7	85.4	89.6
15°	89.2	90.9	91.9	94.3	98.1	101.1	101.3	93.9	89.1	93.8	104.9
12.5°	91.5	93.9	95.8	101.0	108.7	118.9	130.6	140.5	142.5	127.8	126.4
10°	93.9	97.0	100.0	108.2	120.4	139.1	164.5	195.6	230.7	261.0	281.5
7.5°	104.2	108.8	109.9	115.6	132.8	160.9	201.5	256.7	330.7	410.8	507.9
5°	116.1	130.9	152.3	184.5	236.9	281.8	311.6	325.1	437.7	570.7	754.3
2.5°	128.2	153.5	196.3	265.3	404.0	562.3	732.4	915.2	1122.7	1380.2	1670.1
0°	140.1	176.0	240.2	346.1	572.1	844.8	1156.7	1510.3	1923.1	2497.7	3159.0
-2.5°	197.5	266.4	385.2	603.8	933.0	1242.5	1614.2	2010.3	2457.2	3142.6	4147.7
-5°	252.8	353.5	524.1	848.2	1276.9	1628.2	2054.0	2492.0	3010.8	3825.3	5051.4
-7.5°	304.1	435.2	652.7	1060.5	1555.9	1984.0	2509.5	3098.1	3742.8	4630.0	5876.7
-10°	353.3	521.5	768.6	1189.3	1740.7	2292.9	2928.7	3649.1	4419.1	5367.4	6620.8
-12.5°	419.2	610.5	873.3	1297.5	1888.8	2549.7	3289.6	4129.6	5027.6	6028.6	7258.9
-15°	477.4	689.1	965.4	1383.1	1994.5	2743.9	3581.8	4527.2	5497.2	6438.2	7634.0
-17.5°	526.7	755.7	1043.7	1444.0	2052.9	2866.2	3754.2	4656.4	5722.8	6742.3	7965.9
-20°	566.2	809.0	1107.2	1478.7	2069.5	2868.2	3695.9	4636.8	5776.0	6964.9	8163.2



REPORT NUMBER: P1212216 (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°	595.0	847.9	1158.5	1530.8	2085.6	2805.0	3604.8	4512.8	5671.9	7086.1	8389.0
-25°	616.8	877.8	1196.9	1578.9	2081.1	2725.2	3481.4	4300.1	5443.8	7032.3	8654.2
-27.5°	631.7	892.7	1219.9	1602.3	2059.4	2648.1	3358.8	4132.2	5255.4	6787.2	8716.8
-30°	634.9	899.9	1224.8	1604.4	2054.9	2603.5	3233.5	4047.1	5013.9	6433.5	8227.8
-32.5°	634.5	894.7	1219.1	1594.5	2031.0	2541.7	3158.2	3961.3	4882.0	5945.9	7568.7
-35°	635.3	891.6	1199.5	1562.8	1978.9	2487.4	3099.6	3820.4	4700.7	5665.2	6957.5
-37.5°	633.9	877.8	1163.1	1516.3	1922.2	2413.0	2991.2	3671.8	4472.6	5429.2	6516.2
-40°	621.7	853.4	1130.0	1458.4	1851.8	2314.4	2862.4	3491.7	4216.3	5118.3	6176.6
-42.5°	600.3	827.4	1091.0	1383.6	1769.4	2204.5	2693.3	3286.9	3965.7	4754.1	5695.4
-45°	579.9	788.9	1041.0	1329.4	1668.4	2074.2	2535.1	3046.4	3696.3	4390.4	5198.9
-47.5°	547.8	741.0	981.7	1256.7	1567.7	1933.8	2352.6	2851.6	3410.0	4049.0	4715.4
-50°	509.1	688.4	905.8	1166.7	1462.2	1788.0	2167.3	2631.1	3149.3	3707.3	4317.4
-52.5°	474.6	622.6	824.3	1058.1	1335.6	1643.6	1988.0	2397.3	2866.3	3374.2	3924.9
-55°	431.8	564.3	732.3	944.2	1188.0	1474.4	1803.5	2165.4	2560.6	3022.8	3509.8
-57.5°	395.8	501.6	645.4	822.8	1039.4	1284.2	1590.4	1921.0	2278.5	2663.7	3076.6
-60°	363.1	443.8	558.9	708.8	884.5	1107.5	1361.5	1653.8	1973.2	2310.3	2670.9
-62.5°	329.3	394.2	480.3	594.6	745.0	925.0	1146.1	1390.7	1651.9	1943.6	2253.2
-65°	307.1	345.8	410.0	498.2	602.2	758.4	936.4	1131.6	1357.6	1588.3	1831.0
-67.5°	282.0	315.3	353.7	404.2	492.1	606.8	729.5	893.6	1072.0	1252.4	1440.8
-70°	265.5	284.8	314.6	351.1	398.2	475.0	580.3	692.3	812.1	952.1	1113.2
-72.5°	250.3	267.5	285.4	303.9	342.4	396.5	458.3	527.3	618.7	727.8	841.4
-75°	238.4	250.2	265.5	281.7	304.7	333.9	368.3	420.6	484.5	555.7	629.3
-77.5°	229.1	239.8	250.6	261.6	277.9	300.8	326.0	353.3	391.2	435.0	481.2
-80°	220.5	229.1	238.8	248.6	261.6	276.3	292.3	309.4	335.2	366.4	401.4
-82.5°	213.8	221.9	229.9	237.9	247.0	256.7	267.2	279.6	299.7	321.7	344.7
-85°	207.1	214.5	222.1	229.6	236.9	244.4	252.2	260.2	273.9	288.3	303.3
-87.5°	201.8	208.6	215.5	222.3	227.8	233.4	239.0	244.8	253.8	263.1	272.6
-90°	68.0	65.9	63.8	61.7	59.2	56.7	54.2	51.7	48.8	45.8	42.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	254.4	263.2	271.9	280.7	289.4	301.3	313.2	325.0	336.9	350.3	363.6
87.5°	40.0	37.1	34.2	31.3	28.4	25.5	22.6	19.6	16.7	14.0	11.3
85°	40.1	37.2	34.3	31.4	28.5	25.6	22.6	19.7	16.8	14.0	11.3
82.5°	39.9	36.9	33.9	31.0	28.0	25.1	22.4	19.6	16.8	13.9	11.0
80°	39.7	36.7	33.8	30.8	27.9	25.1	22.4	19.7	16.9	14.0	11.0
77.5°	40.0	37.0	34.1	31.1	28.1	25.3	22.6	19.8	17.1	14.1	11.1
75°	40.3	37.3	34.4	31.4	28.4	25.5	22.6	19.6	16.6	13.7	10.8
72.5°	40.7	37.7	34.7	31.7	28.7	25.8	22.9	20.1	17.2	14.3	11.4
70°	41.2	38.2	35.2	32.2	29.1	26.2	23.2	20.2	17.1	14.1	11.1
67.5°	41.7	38.7	35.7	32.6	29.6	26.5	23.5	20.6	17.7	14.8	11.7
65°	42.3	39.3	36.3	33.2	30.1	27.0	24.0	21.0	17.8	14.6	11.6
62.5°	43.0	40.0	36.9	33.8	30.7	27.5	24.4	21.1	17.9	14.8	11.7
60°	43.8	40.8	37.7	34.5	31.4	28.2	24.9	21.7	18.4	15.1	12.0
57.5°	44.7	41.6	38.5	35.3	32.1	28.9	25.6	22.2	18.9	15.5	12.4
55°	45.7	42.6	39.4	36.2	32.9	29.6	26.3	22.9	19.4	16.0	12.7
52.5°	46.7	43.6	40.4	37.2	33.9	30.5	27.1	23.6	20.1	16.5	13.1
50°	47.9	44.8	41.5	38.3	34.9	31.5	28.0	24.4	20.8	17.1	13.6
47.5°	49.2	46.0	42.8	39.5	36.1	32.6	29.0	25.3	21.6	17.8	14.1
45°	50.6	47.4	44.2	40.8	37.3	33.8	30.1	26.4	22.5	18.6	14.7
42.5°	52.0	48.9	45.7	42.3	38.7	35.1	31.4	27.5	23.6	19.5	15.4
40°	53.5	50.6	47.3	43.9	40.4	36.6	32.8	28.8	24.7	20.5	16.2
37.5°	55.2	52.3	49.4	46.1	42.3	38.3	34.5	30.4	26.0	21.7	17.1
35°	57.0	54.5	51.9	48.2	44.5	40.8	36.8	32.4	27.6	23.4	18.9
32.5°	59.4	57.0	54.1	50.9	47.4	43.9	39.7	36.4	31.9	27.7	23.3
30°	62.0	59.6	57.7	54.6	51.5	48.7	46.3	43.7	40.6	36.1	30.1
27.5°	64.9	64.3	63.2	59.5	57.4	55.7	55.3	53.5	48.7	43.5	33.6
25°	68.7	70.1	67.4	65.4	64.8	65.4	63.7	60.4	50.5	40.3	28.9
22.5°	73.3	73.2	72.3	72.4	74.2	74.6	69.6	60.5	44.7	30.4	21.4
20°	77.1	77.1	79.4	84.9	86.7	87.6	76.5	56.9	38.4	32.3	28.5
17.5°	89.8	84.0	94.4	109.1	112.9	98.5	81.5	57.4	46.7	45.2	42.3
15°	113.7	122.1	133.5	141.5	144.5	126.1	93.6	84.1	78.9	82.9	83.7
12.5°	150.4	184.2	229.7	259.3	191.8	165.2	175.5	159.1	160.1	159.9	164.3
10°	295.9	265.9	375.1	519.6	692.8	795.7	368.9	663.5	1168.6	1317.1	727.7
7.5°	705.6	963.4	1144.8	1197.7	1557.7	3041.5	5201.7	7520.3	13685.7	24138.9	31248.7
5°	1177.5	1836.7	2527.8	3310.9	4333.5	6678.1	12918.4	27378.6	46780.8	78055.5	114290.8
2.5°	2226.0	3211.6	4253.7	5679.8	7512.6	10732.7	20853.9	45968.1	81239.4	128680.2	176247.0
0°	4078.0	5718.3	7266.1	9833.9	12525.0	19043.1	36234.8	76181.5	131725.5	207170.6	281369.9
-2.5°	5411.2	7031.8	8857.3	11382.4	14713.6	22579.5	41957.6	84579.5	152703.5	232350.1	317550.5
-5°	6500.3	8287.6	10414.8	13109.9	16698.2	23823.2	42652.8	83553.5	149142.3	224388.4	303865.0
-7.5°	7388.6	9368.4	11757.4	14582.2	18315.3	25144.7	42593.0	80254.3	138351.0	210191.2	284121.6
-10°	8160.6	10216.8	12870.1	15933.0	19829.6	25934.8	38520.4	69061.8	122817.6	192385.7	261466.7
-12.5°	8943.7	11109.4	13730.8	16879.9	20693.8	26909.5	38778.6	62655.9	105057.5	164000.7	231678.7
-15°	9550.2	11863.7	14434.9	17804.6	22225.1	28081.6	36933.0	56314.6	89919.0	138711.9	197013.7
-17.5°	9845.0	12343.2	15234.0	18664.2	22952.8	28595.3	37688.9	52032.2	79007.2	118648.9	160326.0
-20°	9870.1	12613.5	15596.8	19086.2	23376.4	28707.3	36344.0	50272.6	71601.2	102361.5	135906.3



REPORT NUMBER: P1212216 (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°	10088.8	12538.5	15543.5	18967.1	23261.6	28240.8	35448.9	48177.0	65149.4	89638.1	117220.5
-25°	10191.4	12210.1	15251.0	18786.0	22546.5	27427.3	35076.9	45013.3	60453.1	80168.2	103611.6
-27.5°	10264.2	12120.9	14677.6	18203.1	21867.2	26533.6	33156.6	41658.9	54913.5	70135.8	89847.3
-30°	10325.1	11985.9	14219.2	17019.6	20941.6	25356.8	30478.4	38405.4	48726.2	60985.1	76251.2
-32.5°	9716.1	11897.8	13694.2	16146.3	19328.5	23357.8	28077.5	34823.8	42490.3	52385.7	64043.6
-35°	8883.3	11089.9	13330.1	15415.1	18040.2	21247.4	25534.0	31036.4	37115.3	44910.5	53509.1
-37.5°	7928.3	9968.4	12186.4	14555.8	16857.4	19502.1	23097.9	27252.5	31990.9	38049.1	44409.0
-40°	7293.4	8621.4	10722.6	12912.6	15224.5	17905.1	20794.8	23955.3	27636.6	32024.8	36663.2
-42.5°	6793.0	7972.7	9241.3	11078.7	13197.1	15701.6	18329.2	21027.6	24033.5	27198.4	30327.0
-45°	6129.4	7309.0	8521.4	9762.2	11203.9	13353.9	15649.1	18044.4	20643.3	23233.6	25525.0
-47.5°	5561.6	6537.7	7652.4	8818.3	10111.5	11564.5	13160.2	15028.3	17270.7	19499.9	21290.2
-50°	5016.8	5809.9	6759.7	7779.9	8891.1	10086.3	11340.9	12964.6	14676.5	16368.8	17583.6
-52.5°	4523.5	5200.1	5920.4	6733.5	7692.6	8665.3	9682.8	11085.7	12527.3	13973.2	14875.3
-55°	4036.0	4610.1	5220.6	5913.4	6651.1	7417.6	8285.0	9375.0	10510.3	11671.5	12409.6
-57.5°	3537.7	4020.1	4539.4	5130.2	5739.9	6363.7	7068.3	7864.1	8696.8	9526.7	10118.6
-60°	3050.7	3447.5	3903.9	4392.5	4890.7	5395.9	5992.5	6604.6	7213.6	7769.6	8159.9
-62.5°	2580.4	2925.4	3294.6	3691.7	4111.3	4547.8	5018.1	5501.4	5991.2	6419.2	6713.2
-65°	2095.4	2387.1	2691.4	3001.9	3317.4	3670.0	4056.2	4442.7	4825.7	5151.7	5401.9
-67.5°	1654.6	1878.1	2113.1	2353.7	2610.7	2883.5	3175.5	3467.4	3756.4	3999.8	4202.6
-70°	1274.0	1435.9	1599.6	1774.5	1972.5	2192.4	2429.2	2655.7	2871.8	3033.5	3161.3
-72.5°	958.9	1082.6	1215.7	1358.4	1498.3	1661.1	1842.8	2024.9	2206.1	2335.5	2442.4
-75°	705.0	791.8	896.3	1002.4	1109.4	1234.7	1369.9	1506.7	1643.8	1734.1	1807.7
-77.5°	538.0	605.1	674.6	744.6	814.8	895.3	979.4	1064.0	1148.4	1209.8	1265.2
-80°	438.1	481.3	527.0	573.9	621.8	676.6	732.9	789.5	846.1	891.4	934.5
-82.5°	368.6	397.2	427.1	457.9	489.4	527.0	565.5	604.0	642.6	674.6	705.9
-85°	318.8	337.8	357.3	377.1	397.2	423.1	449.5	476.1	502.8	525.3	547.5
-87.5°	282.2	295.3	308.5	321.9	335.3	352.5	369.8	387.2	404.5	421.0	437.5
-90°	40.0	37.1	34.2	31.3	28.4	25.5	22.6	19.6	16.7	14.0	11.3



REPORT NUMBER: P1212216 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	377.0	390.3	391.6	392.8	391.6	390.3	377.0	363.6	350.3	336.9	325.0
87.5°	8.5	5.8	3.8	1.7	3.8	5.8	8.5	11.3	14.0	16.7	19.6
85°	8.6	5.8	3.8	1.7	3.8	5.8	8.6	11.3	14.0	16.8	19.7
82.5°	8.0	5.1	2.9	0.8	2.9	5.1	8.0	11.0	13.9	16.8	19.6
80°	8.1	5.1	2.9	0.8	2.9	5.1	8.1	11.0	14.0	16.9	19.7
77.5°	8.1	5.1	3.0	0.8	3.0	5.1	8.1	11.1	14.1	17.1	19.8
75°	8.0	5.2	3.0	0.8	3.0	5.2	8.0	10.8	13.7	16.6	19.6
72.5°	8.3	5.3	3.8	2.5	3.8	5.3	8.3	11.4	14.3	17.2	20.1
70°	8.2	5.3	3.0	0.8	3.0	5.3	8.2	11.1	14.1	17.1	20.2
67.5°	8.6	5.5	3.1	0.8	3.1	5.5	8.6	11.7	14.8	17.7	20.6
65°	8.6	5.6	3.1	0.8	3.1	5.6	8.6	11.6	14.6	17.8	21.0
62.5°	8.7	5.7	3.2	0.8	3.2	5.7	8.7	11.7	14.8	17.9	21.1
60°	8.9	5.8	3.2	0.8	3.2	5.8	8.9	12.0	15.1	18.4	21.7
57.5°	9.2	6.0	3.3	0.8	3.3	6.0	9.2	12.4	15.5	18.9	22.2
55°	9.5	6.2	3.1	0.0	3.1	6.2	9.5	12.7	16.0	19.4	22.9
52.5°	9.8	6.4	3.4	0.8	3.4	6.4	9.8	13.1	16.5	20.1	23.6
50°	10.1	6.6	3.3	0.0	3.3	6.6	10.1	13.6	17.1	20.8	24.4
47.5°	10.5	6.9	3.4	0.0	3.4	6.9	10.5	14.1	17.8	21.6	25.3
45°	11.0	7.2	3.8	0.8	3.8	7.2	11.0	14.7	18.6	22.5	26.4
42.5°	11.5	7.6	3.7	0.0	3.7	7.6	11.5	15.4	19.5	23.6	27.5
40°	12.1	8.0	4.1	0.8	4.1	8.0	12.1	16.2	20.5	24.7	28.8
37.5°	12.8	8.4	4.2	0.8	4.2	8.4	12.8	17.1	21.7	26.0	30.4
35°	14.1	9.3	4.5	0.8	4.5	9.3	14.1	18.9	23.4	27.6	32.4
32.5°	17.8	11.9	5.4	0.8	5.4	11.9	17.8	23.3	27.7	31.9	36.4
30°	23.2	15.7	7.4	0.0	7.4	15.7	23.2	30.1	36.1	40.6	43.7
27.5°	24.8	16.9	9.7	0.0	9.7	16.9	24.8	33.6	43.5	48.7	53.5
25°	19.0	11.3	5.2	5.8	5.2	11.3	19.0	28.9	40.3	50.5	60.4
22.5°	18.6	14.8	8.3	11.7	8.3	14.8	18.6	21.4	30.4	44.7	60.5
20°	26.6	22.3	18.4	15.8	18.4	22.3	26.6	28.5	32.3	38.4	56.9
17.5°	45.1	42.0	37.3	30.9	37.3	42.0	45.1	42.3	45.2	46.7	57.4
15°	82.6	77.3	70.9	65.0	70.9	77.3	82.6	83.7	82.9	78.9	84.1
12.5°	148.7	141.3	132.4	120.1	132.4	141.3	148.7	164.3	159.9	160.1	159.1
10°	1289.9	1544.5	2215.8	371.1	2215.8	1544.5	1289.9	727.7	1317.1	1168.6	663.5
7.5°	41252.2	56156.8	61800.3	62363.5	61800.3	56156.8	41252.2	31248.7	24138.9	13685.7	7520.3
5°	150450.3	196477.6	227042.7	234714.1	227042.7	196477.6	150450.3	114290.8	78055.5	46780.8	27378.6
2.5°	235666.0	300358.0	353729.7	373109.0	353729.7	300358.0	235666.0	176247.0	128680.2	81239.4	45968.1
0°	361158.6	445097.1	523955.5	559706.7	523955.5	445097.1	361158.6	281369.9	207170.6	131725.5	76181.5
-2.5°	402974.1	497128.8	564465.4	593081.5	564465.4	497128.8	402974.1	317550.5	232350.1	152703.5	84579.5
-5°	379187.8	443740.2	484867.0	500054.7	484867.0	443740.2	379187.8	303865.0	224388.4	149142.3	83553.5
-7.5°	351974.2	399940.4	428771.3	438513.9	428771.3	399940.4	351974.2	284121.6	210191.2	138351.0	80254.3
-10°	324262.0	373062.5	397881.4	407314.4	397881.4	373062.5	324262.0	261466.7	192385.7	122817.6	69061.8
-12.5°	292452.3	341277.9	369241.8	381696.1	369241.8	341277.9	292452.3	231678.7	164000.7	105057.5	62655.9
-15°	252177.1	300465.9	332208.1	344628.6	332208.1	300465.9	252177.1	197013.7	138711.9	89919.0	56314.6
-17.5°	208795.0	252814.9	282857.5	295968.0	282857.5	252814.9	208795.0	160326.0	118648.9	79007.2	52032.2
-20°	173226.3	207940.4	232528.8	240724.3	232528.8	207940.4	173226.3	135906.3	102361.5	71601.2	50272.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	148187.8	174997.5	194835.0	203513.8	194835.0	174997.5	148187.8	117220.5	89638.1	65149.4	48177.0
-25°	129157.6	151036.9	169105.3	174659.4	169105.3	151036.9	129157.6	103611.6	80168.2	60453.1	45013.3
-27.5°	110870.3	127856.4	142788.2	149083.2	142788.2	127856.4	110870.3	89847.3	70135.8	54913.5	41658.9
-30°	92149.6	104829.2	116505.2	119696.7	116505.2	104829.2	92149.6	76251.2	60985.1	48726.2	38405.4
-32.5°	75482.3	85367.0	94429.2	98865.6	94429.2	85367.0	75482.3	64043.6	52385.7	42490.3	34823.8
-35°	61537.2	68508.5	74456.6	76270.8	74456.6	68508.5	61537.2	53509.1	44910.5	37115.3	31036.4
-37.5°	49737.1	54476.1	58329.0	59601.1	58329.0	54476.1	49737.1	44409.0	38049.1	31990.9	27252.5
-40°	40066.6	43118.9	45655.6	47299.6	45655.6	43118.9	40066.6	36663.2	32024.8	27636.6	23955.3
-42.5°	32543.5	34609.8	36188.3	36982.9	36188.3	34609.8	32543.5	30327.0	27198.4	24033.5	21027.6
-45°	27140.0	28650.7	29722.2	30177.1	29722.2	28650.7	27140.0	25525.0	23233.6	20643.3	18044.4
-47.5°	22507.8	23567.8	24281.7	24629.7	24281.7	23567.8	22507.8	21290.2	19499.9	17270.7	15028.3
-50°	18505.3	19362.3	19853.2	19976.3	19853.2	19362.3	18505.3	17583.6	16368.8	14676.5	12964.6
-52.5°	15564.3	16166.0	16632.9	16984.1	16632.9	16166.0	15564.3	14875.3	13973.2	12527.3	11085.7
-55°	13062.8	13647.7	14026.4	14252.1	14026.4	13647.7	13062.8	12409.6	11671.5	10510.3	9375.0
-57.5°	10679.5	11199.0	11585.8	11874.5	11585.8	11199.0	10679.5	10118.6	9526.7	8696.8	7864.1
-60°	8530.6	8874.8	9072.8	9189.2	9072.8	8874.8	8530.6	8159.9	7769.6	7213.6	6604.6
-62.5°	6980.8	7220.3	7326.0	7370.4	7326.0	7220.3	6980.8	6713.2	6419.2	5991.2	5501.4
-65°	5630.1	5835.0	5903.0	5919.3	5903.0	5835.0	5630.1	5401.9	5151.7	4825.7	4442.7
-67.5°	4392.8	4567.7	4619.5	4630.9	4619.5	4567.7	4392.8	4202.6	3999.8	3756.4	3467.4
-70°	3278.1	3383.7	3411.4	3418.3	3411.4	3383.7	3278.1	3161.3	3033.5	2871.8	2655.7
-72.5°	2543.5	2637.5	2649.1	2642.8	2649.1	2637.5	2543.5	2442.4	2335.5	2206.1	2024.9
-75°	1875.0	1935.8	1987.7	2033.2	1987.7	1935.8	1875.0	1807.7	1734.1	1643.8	1506.7
-77.5°	1317.7	1367.2	1362.5	1351.8	1362.5	1367.2	1317.7	1265.2	1209.8	1148.4	1064.0
-80°	976.3	1016.6	1020.6	1021.6	1020.6	1016.6	976.3	934.5	891.4	846.1	789.5
-82.5°	736.5	766.4	771.3	774.7	771.3	766.4	736.5	705.9	674.6	642.6	604.0
-85°	569.4	591.0	599.3	607.1	599.3	591.0	569.4	547.5	525.3	502.8	476.1
-87.5°	453.8	470.0	471.1	472.0	471.1	470.0	453.8	437.5	421.0	404.5	387.2
-90°	8.5	5.8	3.7	1.7	3.7	5.8	8.5	11.3	14.0	16.7	19.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	313.2	301.3	289.4	280.7	271.9	263.2	254.4	248.8	243.1	237.5	231.8
87.5°	22.6	25.5	28.4	31.3	34.2	37.1	40.0	42.8	45.6	48.4	51.2
85°	22.6	25.6	28.5	31.4	34.3	37.2	40.1	43.0	45.8	48.6	51.3
82.5°	22.4	25.1	28.0	31.0	33.9	36.9	39.9	42.9	45.9	48.9	51.9
80°	22.4	25.1	27.9	30.8	33.8	36.7	39.7	42.6	45.6	48.5	51.5
77.5°	22.6	25.3	28.1	31.1	34.1	37.0	40.0	42.9	45.8	48.8	51.6
75°	22.6	25.5	28.4	31.4	34.4	37.3	40.3	43.3	46.2	49.1	52.0
72.5°	22.9	25.8	28.7	31.7	34.7	37.7	40.7	43.7	46.6	49.6	52.3
70°	23.2	26.2	29.1	32.2	35.2	38.2	41.2	44.2	47.1	50.1	52.8
67.5°	23.5	26.5	29.6	32.6	35.7	38.7	41.7	44.7	47.7	50.6	53.3
65°	24.0	27.0	30.1	33.2	36.3	39.3	42.3	45.3	48.3	51.2	53.9
62.5°	24.4	27.5	30.7	33.8	36.9	40.0	43.0	46.1	49.0	51.8	54.4
60°	24.9	28.2	31.4	34.5	37.7	40.8	43.8	46.9	49.8	52.5	55.0
57.5°	25.6	28.9	32.1	35.3	38.5	41.6	44.7	47.7	50.7	53.3	55.8
55°	26.3	29.6	32.9	36.2	39.4	42.6	45.7	48.7	51.6	54.1	56.6
52.5°	27.1	30.5	33.9	37.2	40.4	43.6	46.7	49.8	52.5	55.0	57.5
50°	28.0	31.5	34.9	38.3	41.5	44.8	47.9	51.0	53.7	56.1	58.4
47.5°	29.0	32.6	36.1	39.5	42.8	46.0	49.2	52.0	54.8	57.5	59.8
45°	30.1	33.8	37.3	40.8	44.2	47.4	50.6	53.4	55.8	58.5	61.4
42.5°	31.4	35.1	38.7	42.3	45.7	48.9	52.0	54.8	57.4	59.6	62.2
40°	32.8	36.6	40.4	43.9	47.3	50.6	53.5	56.4	59.0	61.5	63.2
37.5°	34.5	38.3	42.3	46.1	49.4	52.3	55.2	58.0	60.7	63.0	64.9
35°	36.8	40.8	44.5	48.2	51.9	54.5	57.0	59.8	62.3	64.6	66.5
32.5°	39.7	43.9	47.4	50.9	54.1	57.0	59.4	61.7	64.1	66.3	68.3
30°	46.3	48.7	51.5	54.6	57.7	59.6	62.0	64.0	65.9	68.1	70.1
27.5°	55.3	55.7	57.4	59.5	63.2	64.3	64.9	66.7	68.0	70.0	71.9
25°	63.7	65.4	64.8	65.4	67.4	70.1	68.7	69.8	70.9	72.0	73.8
22.5°	69.6	74.6	74.2	72.4	72.3	73.2	73.3	73.1	74.2	75.0	76.1
20°	76.5	87.6	86.7	84.9	79.4	77.1	77.1	78.5	79.3	79.1	78.8
17.5°	81.5	98.5	112.9	109.1	94.4	84.0	89.8	89.6	85.4	83.7	82.0
15°	93.6	126.1	144.5	141.5	133.5	122.1	113.7	104.9	93.8	89.1	93.9
12.5°	175.5	165.2	191.8	259.3	229.7	184.2	150.4	126.4	127.8	142.5	140.5
10°	368.9	795.7	692.8	519.6	375.1	265.9	295.9	281.5	261.0	230.7	195.6
7.5°	5201.7	3041.5	1557.7	1197.7	1144.8	963.4	705.6	507.9	410.8	330.7	256.7
5°	12918.4	6678.1	4333.5	3310.9	2527.8	1836.7	1177.5	754.3	570.7	437.7	325.1
2.5°	20853.9	10732.7	7512.6	5679.8	4253.7	3211.6	2226.0	1670.1	1380.2	1122.7	915.2
0°	36234.8	19043.1	12525.0	9833.9	7266.1	5718.3	4078.0	3159.0	2497.7	1923.1	1510.3
-2.5°	41957.6	22579.5	14713.6	11382.4	8857.3	7031.8	5411.2	4147.7	3142.6	2457.2	2010.3
-5°	42652.8	23823.2	16698.2	13109.9	10414.8	8287.6	6500.3	5051.4	3825.3	3010.8	2492.0
-7.5°	42593.0	25144.7	18315.3	14582.2	11757.4	9368.4	7388.6	5876.7	4630.0	3742.8	3098.1
-10°	38520.4	25934.8	19829.6	15933.0	12870.1	10216.8	8160.6	6620.8	5367.4	4419.1	3649.1
-12.5°	38778.6	26909.5	20693.8	16879.9	13730.8	11109.4	8943.7	7258.9	6028.6	5027.6	4129.6
-15°	36933.0	28081.6	22225.1	17804.6	14434.9	11863.7	9550.2	7634.0	6438.2	5497.2	4527.2
-17.5°	37688.9	28595.3	22952.8	18664.2	15234.0	12343.2	9845.0	7965.9	6742.3	5722.8	4656.4
-20°	36344.0	28707.3	23376.4	19086.2	15596.8	12613.5	9870.1	8163.2	6964.9	5776.0	4636.8



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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°	35448.9	28240.8	23261.6	18967.1	15543.5	12538.5	10088.8	8389.0	7086.1	5671.9	4512.8
-25°	35076.9	27427.3	22546.5	18786.0	15251.0	12210.1	10191.4	8654.2	7032.3	5443.8	4300.1
-27.5°	33156.6	26533.6	21867.2	18203.1	14677.6	12120.9	10264.2	8716.8	6787.2	5255.4	4132.2
-30°	30478.4	25356.8	20941.6	17019.6	14219.2	11985.9	10325.1	8227.8	6433.5	5013.9	4047.1
-32.5°	28077.5	23357.8	19328.5	16146.3	13694.2	11897.8	9716.1	7568.7	5945.9	4882.0	3961.3
-35°	25534.0	21247.4	18040.2	15415.1	13330.1	11089.9	8883.3	6957.5	5665.2	4700.7	3820.4
-37.5°	23097.9	19502.1	16857.4	14555.8	12186.4	9968.4	7928.3	6516.2	5429.2	4472.6	3671.8
-40°	20794.8	17905.1	15224.5	12912.6	10722.6	8621.4	7293.4	6176.6	5118.3	4216.3	3491.7
-42.5°	18329.2	15701.6	13197.1	11078.7	9241.3	7972.7	6793.0	5695.4	4754.1	3965.7	3286.9
-45°	15649.1	13353.9	11203.9	9762.2	8521.4	7309.0	6129.4	5198.9	4390.4	3696.3	3046.4
-47.5°	13160.2	11564.5	10111.5	8818.3	7652.4	6537.7	5561.6	4715.4	4049.0	3410.0	2851.6
-50°	11340.9	10086.3	8891.1	7779.9	6759.7	5809.9	5016.8	4317.4	3707.3	3149.3	2631.1
-52.5°	9682.8	8665.3	7692.6	6733.5	5920.4	5200.1	4523.5	3924.9	3374.2	2866.3	2397.3
-55°	8285.0	7417.6	6651.1	5913.4	5220.6	4610.1	4036.0	3509.8	3022.8	2560.6	2165.4
-57.5°	7068.3	6363.7	5739.9	5130.2	4539.4	4020.1	3537.7	3076.6	2663.7	2278.5	1921.0
-60°	5992.5	5395.9	4890.7	4392.5	3903.9	3447.5	3050.7	2670.9	2310.3	1973.2	1653.8
-62.5°	5018.1	4547.8	4111.3	3691.7	3294.6	2925.4	2580.4	2253.2	1943.6	1651.9	1390.7
-65°	4056.2	3670.0	3317.4	3001.9	2691.4	2387.1	2095.4	1831.0	1588.3	1357.6	1131.6
-67.5°	3175.5	2883.5	2610.7	2353.7	2113.1	1878.1	1654.6	1440.8	1252.4	1072.0	893.6
-70°	2429.2	2192.4	1972.5	1774.5	1599.6	1435.9	1274.0	1113.2	952.1	812.1	692.3
-72.5°	1842.8	1661.1	1498.3	1358.4	1215.7	1082.6	958.9	841.4	727.8	618.7	527.3
-75°	1369.9	1234.7	1109.4	1002.4	896.3	791.8	705.0	629.3	555.7	484.5	420.6
-77.5°	979.4	895.3	814.8	744.6	674.6	605.1	538.0	481.2	435.0	391.2	353.3
-80°	732.9	676.6	621.8	573.9	527.0	481.3	438.1	401.4	366.4	335.2	309.4
-82.5°	565.5	527.0	489.4	457.9	427.1	397.2	368.6	344.7	321.7	299.7	279.6
-85°	449.5	423.1	397.2	377.1	357.3	337.8	318.8	303.3	288.3	273.9	260.2
-87.5°	369.8	352.5	335.3	321.9	308.5	295.3	282.2	272.6	263.1	253.8	244.8
-90°	22.6	25.5	28.4	31.3	34.2	37.1	40.0	42.9	45.8	48.8	51.7



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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°	227.7	223.5	219.4	215.2	208.9	202.7	196.4	190.1	179.0	168.0	156.9
87.5°	53.7	56.2	58.7	61.3	63.5	65.7	67.9	70.1	71.8	73.4	75.1
85°	53.8	56.2	58.7	61.1	63.3	65.6	67.9	70.2	71.8	73.4	75.1
82.5°	54.4	56.9	59.3	61.7	63.8	65.9	68.1	70.2	71.9	73.5	75.1
80°	54.1	56.7	59.3	61.8	64.1	66.2	68.3	70.3	72.0	73.6	75.2
77.5°	54.2	56.7	59.1	61.6	64.0	66.2	68.4	70.4	72.1	73.7	75.3
75°	54.7	57.3	59.8	62.1	64.1	66.3	68.6	70.6	72.2	73.8	75.4
72.5°	54.8	57.5	60.3	62.7	64.7	66.7	68.8	70.8	72.4	74.0	75.6
70°	55.3	57.7	60.2	62.7	65.0	67.2	69.2	71.0	72.6	74.1	75.7
67.5°	56.0	58.5	60.9	62.9	65.2	67.4	69.5	71.2	72.8	74.3	75.9
65°	56.6	59.3	61.8	63.7	65.6	67.7	69.9	71.5	73.0	74.6	76.1
62.5°	57.1	59.9	62.3	64.4	66.3	68.2	70.2	71.8	73.3	74.8	76.3
60°	57.5	60.3	62.8	64.9	66.8	68.8	70.6	72.1	73.6	75.1	76.5
57.5°	58.2	60.6	63.1	65.3	67.4	69.3	71.0	72.4	73.9	75.3	76.8
55°	59.0	61.4	63.5	65.8	67.9	69.8	71.4	72.8	74.2	75.6	77.0
52.5°	59.9	62.2	64.3	66.4	68.5	70.4	71.9	73.2	74.6	76.0	77.2
50°	60.8	63.1	65.2	67.1	69.2	71.0	72.5	73.8	75.0	76.3	77.5
47.5°	61.9	64.2	66.3	68.1	70.0	71.6	73.1	74.4	75.4	76.7	77.8
45°	63.2	65.2	67.4	69.3	70.7	72.2	73.7	75.1	76.0	77.1	78.1
42.5°	64.7	66.5	68.5	70.6	71.7	72.9	74.3	75.7	76.7	77.5	78.5
40°	65.6	67.8	69.7	71.5	72.7	73.6	75.0	76.3	77.5	78.0	78.9
37.5°	66.8	69.0	70.9	72.3	73.8	74.6	75.7	77.0	78.2	78.6	79.3
35°	68.3	70.2	71.9	73.3	74.6	75.6	76.4	77.6	78.8	79.3	79.8
32.5°	69.8	71.5	73.1	74.4	75.5	76.7	77.3	78.5	79.4	79.9	80.3
30°	71.5	72.9	74.2	75.6	76.5	77.6	78.4	79.4	80.2	80.6	80.8
27.5°	73.4	74.4	75.5	76.8	77.6	78.5	79.8	80.5	81.0	81.3	81.4
25°	75.3	76.1	77.0	78.0	78.9	80.4	81.3	81.8	82.0	82.0	81.9
22.5°	77.1	78.0	78.6	79.2	81.7	82.7	83.0	83.1	83.0	82.7	82.5
20°	79.2	79.9	81.2	83.2	84.8	85.2	84.8	84.5	84.1	83.5	83.1
17.5°	81.4	86.4	88.8	88.3	88.2	88.0	86.9	85.9	85.3	84.3	83.7
15°	101.3	101.1	98.1	94.3	91.9	90.9	89.2	87.3	86.5	85.1	84.9
12.5°	130.6	118.9	108.7	101.0	95.8	93.9	91.5	88.8	87.7	87.1	86.9
10°	164.5	139.1	120.4	108.2	100.0	97.0	93.9	91.8	91.1	90.0	89.0
7.5°	201.5	160.9	132.8	115.6	109.9	108.8	104.2	98.2	94.8	92.9	91.1
5°	311.6	281.8	236.9	184.5	152.3	130.9	116.1	104.9	98.5	95.9	93.3
2.5°	732.4	562.3	404.0	265.3	196.3	153.5	128.2	111.7	102.2	98.8	95.5
0°	1156.7	844.8	572.1	346.1	240.2	176.0	140.1	118.4	105.9	101.7	97.6
-2.5°	1614.2	1242.5	933.0	603.8	385.2	266.4	197.5	149.6	122.7	111.2	104.1
-5°	2054.0	1628.2	1276.9	848.2	524.1	353.5	252.8	179.8	139.1	120.6	110.6
-7.5°	2509.5	1984.0	1555.9	1060.5	652.7	435.2	304.1	208.0	154.7	129.6	116.9
-10°	2928.7	2292.9	1740.7	1189.3	768.6	521.5	353.3	233.4	169.1	138.2	122.9
-12.5°	3289.6	2549.7	1888.8	1297.5	873.3	610.5	419.2	273.5	184.5	146.3	128.7
-15°	3581.8	2743.9	1994.5	1383.1	965.4	689.1	477.4	317.1	215.3	159.4	134.2
-17.5°	3754.2	2866.2	2052.9	1444.0	1043.7	755.7	526.7	354.6	242.4	178.2	143.3
-20°	3695.9	2868.2	2069.5	1478.7	1107.2	809.0	566.2	385.0	265.2	194.8	154.7



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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°	3604.8	2805.0	2085.6	1530.8	1158.5	847.9	595.0	407.8	283.3	209.1	164.9
-25°	3481.4	2725.2	2081.1	1578.9	1196.9	877.8	616.8	422.2	296.2	220.7	173.8
-27.5°	3358.8	2648.1	2059.4	1602.3	1219.9	892.7	631.7	436.9	306.1	229.5	181.2
-30°	3233.5	2603.5	2054.9	1604.4	1224.8	899.9	634.9	444.4	316.2	237.4	187.2
-32.5°	3158.2	2541.7	2031.0	1594.5	1219.1	894.7	634.5	443.9	322.1	244.1	192.3
-35°	3099.6	2487.4	1978.9	1562.8	1199.5	891.6	635.3	435.2	323.6	248.5	196.5
-37.5°	2991.2	2413.0	1922.2	1516.3	1163.1	877.8	633.9	440.2	320.7	250.5	199.5
-40°	2862.4	2314.4	1851.8	1458.4	1130.0	853.4	621.7	441.9	318.9	250.2	201.3
-42.5°	2693.3	2204.5	1769.4	1383.6	1091.0	827.4	600.3	434.1	319.9	249.9	201.9
-45°	2535.1	2074.2	1668.4	1329.4	1041.0	788.9	579.9	418.7	315.8	249.1	202.4
-47.5°	2352.6	1933.8	1567.7	1256.7	981.7	741.0	547.8	405.9	306.1	246.7	203.3
-50°	2167.3	1788.0	1462.2	1166.7	905.8	688.4	509.1	385.7	299.6	242.2	203.4
-52.5°	1988.0	1643.6	1335.6	1058.1	824.3	622.6	474.6	360.1	289.5	238.4	202.6
-55°	1803.5	1474.4	1188.0	944.2	732.3	564.3	431.8	342.3	276.1	234.3	201.1
-57.5°	1590.4	1284.2	1039.4	822.8	645.4	501.6	395.8	320.4	266.4	228.7	199.5
-60°	1361.5	1107.5	884.5	708.8	558.9	443.8	363.1	298.9	256.7	222.3	196.3
-62.5°	1146.1	925.0	745.0	594.6	480.3	394.2	329.3	284.0	245.3	216.9	192.2
-65°	936.4	758.4	602.2	498.2	410.0	345.8	307.1	267.1	236.6	210.9	188.0
-67.5°	729.5	606.8	492.1	404.2	353.7	315.3	282.0	254.3	228.2	204.2	184.2
-70°	580.3	475.0	398.2	351.1	314.6	284.8	265.5	243.0	219.0	199.3	180.1
-72.5°	458.3	396.5	342.4	303.9	285.4	267.5	250.3	232.0	212.9	194.2	175.7
-75°	368.3	333.9	304.7	281.7	265.5	250.2	238.4	224.7	206.6	188.7	172.8
-77.5°	326.0	300.8	277.9	261.6	250.6	239.8	229.1	217.1	200.6	185.1	170.2
-80°	292.3	276.3	261.6	248.6	238.8	229.1	220.5	211.0	196.0	181.5	167.3
-82.5°	267.2	256.7	247.0	237.9	229.9	221.9	213.8	205.1	191.2	177.6	164.6
-85°	252.2	244.4	236.9	229.6	222.1	214.5	207.1	199.6	187.0	174.5	162.2
-87.5°	239.0	233.4	227.8	222.3	215.5	208.6	201.8	194.9	183.1	171.4	159.7
-90°	54.2	56.7	59.2	61.7	63.8	65.9	68.0	70.1	71.8	73.4	75.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	145.9	132.6	119.2	105.9	92.6	87.6	82.6
87.5°	76.7	78.0	79.2	80.5	81.7	82.2	82.6
85°	76.7	78.0	79.2	80.5	81.7	82.2	82.6
82.5°	76.8	78.0	79.2	80.5	81.7	82.2	82.6
80°	76.8	78.0	79.3	80.5	81.7	82.2	82.6
77.5°	76.9	78.1	79.3	80.5	81.7	82.2	82.6
75°	76.9	78.2	79.4	80.6	81.7	82.2	82.6
72.5°	77.0	78.2	79.4	80.6	81.7	82.2	82.6
70°	77.1	78.3	79.5	80.7	81.8	82.2	82.6
67.5°	77.2	78.4	79.6	80.7	81.8	82.2	82.6
65°	77.4	78.5	79.7	80.8	81.8	82.2	82.6
62.5°	77.5	78.6	79.8	80.9	81.8	82.2	82.6
60°	77.7	78.8	79.9	80.9	81.8	82.2	82.6
57.5°	77.8	78.9	80.0	81.0	81.8	82.2	82.6
55°	78.0	79.1	80.1	81.1	81.9	82.2	82.6
52.5°	78.2	79.2	80.2	81.2	81.9	82.2	82.6
50°	78.4	79.4	80.4	81.3	82.0	82.3	82.6
47.5°	78.6	79.6	80.5	81.4	82.0	82.3	82.6
45°	78.9	79.7	80.6	81.5	82.1	82.3	82.6
42.5°	79.2	79.9	80.8	81.7	82.1	82.3	82.6
40°	79.6	80.1	81.0	81.8	82.2	82.3	82.6
37.5°	79.9	80.4	81.1	81.9	82.2	82.3	82.6
35°	80.3	80.6	81.3	82.0	82.3	82.3	82.6
32.5°	80.7	81.0	81.5	82.2	82.4	82.4	82.6
30°	81.2	81.3	81.7	82.4	82.4	82.4	82.6
27.5°	81.6	81.6	82.0	82.6	82.5	82.4	82.6
25°	82.0	82.0	82.4	82.8	82.6	82.4	82.6
22.5°	82.5	82.5	82.9	83.0	82.7	82.4	82.6
20°	83.0	83.3	83.3	83.2	82.8	82.4	82.6
17.5°	83.9	84.1	83.8	83.4	82.8	82.5	82.6
15°	85.3	84.9	84.4	83.7	82.9	82.5	82.6
12.5°	86.8	85.8	84.9	83.9	83.0	82.5	82.6
10°	88.2	86.7	85.4	84.2	83.1	82.5	82.6
7.5°	89.7	87.5	86.0	84.4	83.2	82.5	82.6
5°	91.2	88.4	86.5	84.6	83.2	82.6	82.6
2.5°	92.7	89.3	87.1	84.9	83.3	82.6	82.6
0°	94.2	90.1	87.6	85.1	83.4	82.6	82.6
-2.5°	98.9	92.9	89.4	86.2	84.1	82.9	82.6
-5°	103.4	95.7	91.1	87.4	84.7	83.1	82.6
-7.5°	107.9	98.5	92.8	88.5	85.3	83.4	82.6
-10°	112.1	101.1	94.4	89.6	86.0	83.7	82.6
-12.5°	116.0	103.6	96.0	90.6	86.6	83.9	82.6
-15°	119.7	106.0	97.5	91.7	87.2	84.2	82.6
-17.5°	122.9	108.2	99.0	92.6	87.8	84.5	82.6
-20°	127.5	110.2	100.4	93.6	88.3	84.7	82.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	134.2	112.0	101.7	94.5	88.9	85.0	82.6
-25°	140.3	115.8	102.9	95.3	89.4	85.2	82.6
-27.5°	145.7	120.2	104.0	96.1	89.9	85.4	82.6
-30°	150.3	124.2	105.2	96.8	90.4	85.6	82.6
-32.5°	154.1	127.8	108.1	97.5	90.8	85.9	82.6
-35°	158.0	130.9	110.7	98.1	91.2	86.1	82.6
-37.5°	161.6	133.8	113.0	98.7	91.6	86.2	82.6
-40°	164.5	136.5	115.0	99.1	91.9	86.4	82.6
-42.5°	166.8	138.9	116.9	99.9	92.2	86.6	82.6
-45°	168.4	140.7	118.5	101.1	92.5	86.8	82.6
-47.5°	169.4	142.1	119.9	102.1	92.8	86.9	82.6
-50°	170.3	143.1	121.0	103.2	93.0	87.0	82.6
-52.5°	170.6	143.6	121.9	104.1	93.1	87.2	82.6
-55°	170.3	144.1	122.5	104.9	93.3	87.3	82.6
-57.5°	169.4	144.1	122.8	105.6	93.4	87.4	82.6
-60°	168.1	143.8	122.9	106.2	93.4	87.5	82.6
-62.5°	166.7	143.2	123.3	106.7	93.5	87.5	82.6
-65°	164.9	142.2	123.6	107.0	93.6	87.6	82.6
-67.5°	162.6	141.4	123.7	107.2	93.6	87.7	82.6
-70°	159.9	141.0	123.6	107.4	93.6	87.7	82.6
-72.5°	158.5	140.4	123.3	107.5	93.6	87.7	82.6
-75°	157.0	139.5	122.9	107.5	93.5	87.7	82.6
-77.5°	155.3	138.4	122.6	107.5	93.4	87.7	82.6
-80°	153.3	137.5	122.2	107.4	93.3	87.7	82.6
-82.5°	151.7	136.5	121.6	107.1	93.2	87.7	82.6
-85°	149.9	135.3	120.9	106.8	93.0	87.7	82.6
-87.5°	148.0	134.0	120.1	106.4	92.8	87.6	82.6
-90°	76.7	78.0	79.2	80.5	81.7	82.2	82.6

(END OF REPORT)