

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: P1212213 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-1S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212213 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-19)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHEBUS
Catalog Number: EPH-LS12-1000R-57-90-1S-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

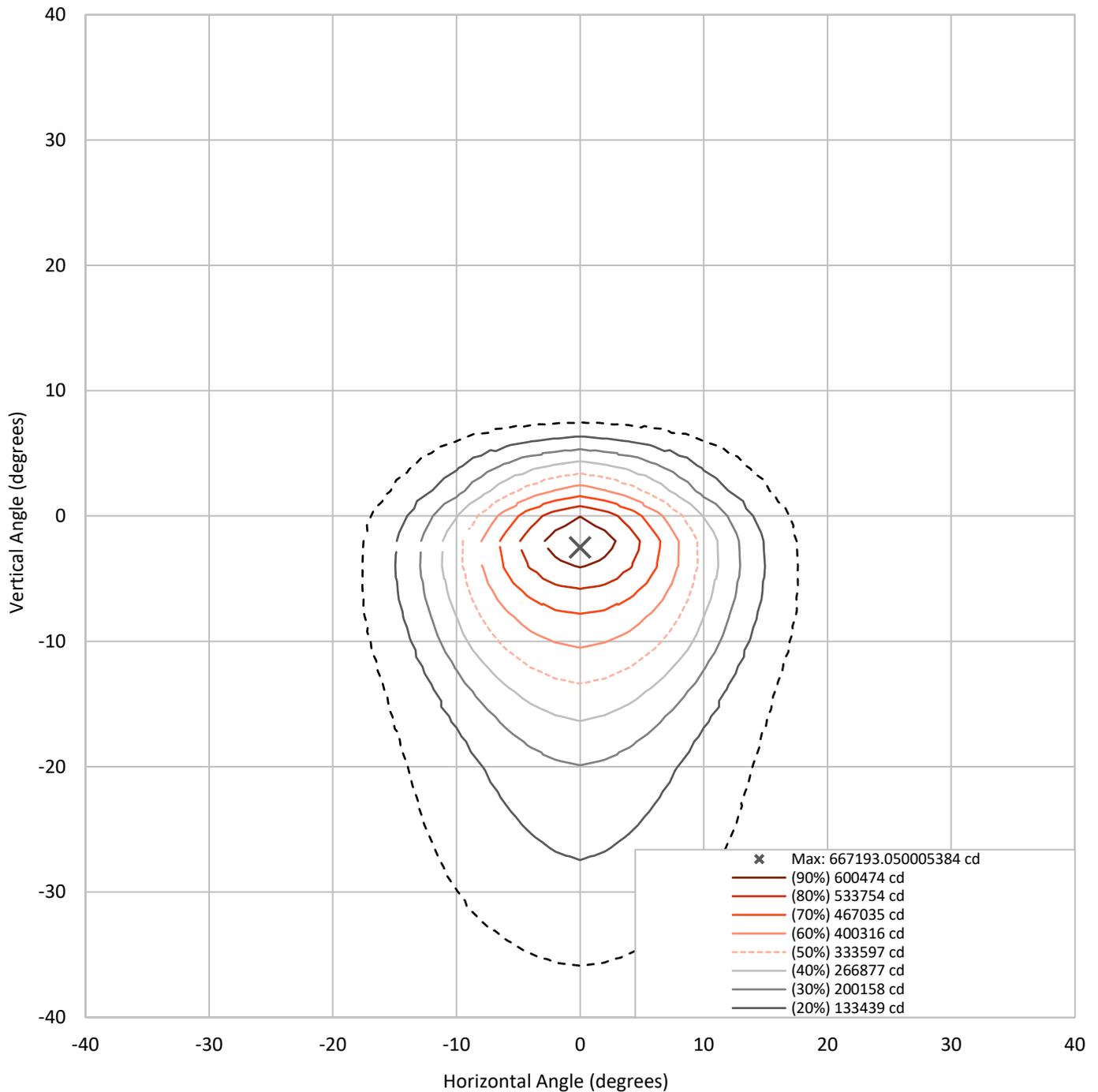
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	101047.2 lumens	Max Intensity:	667193.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	91.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	19.5°H x 16.7°V	Field Angle (10%):	34.9°H x 43.1°V
Beam Lumens:	33784.7 lumens	Field Lumens:	76030.7 lumens
Beam Efficiency:	33.4%	Field Efficiency:	75.2%
Input Watts (W):	1101.3		
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-57-90-1S-ECV

Iso-Candela Plot





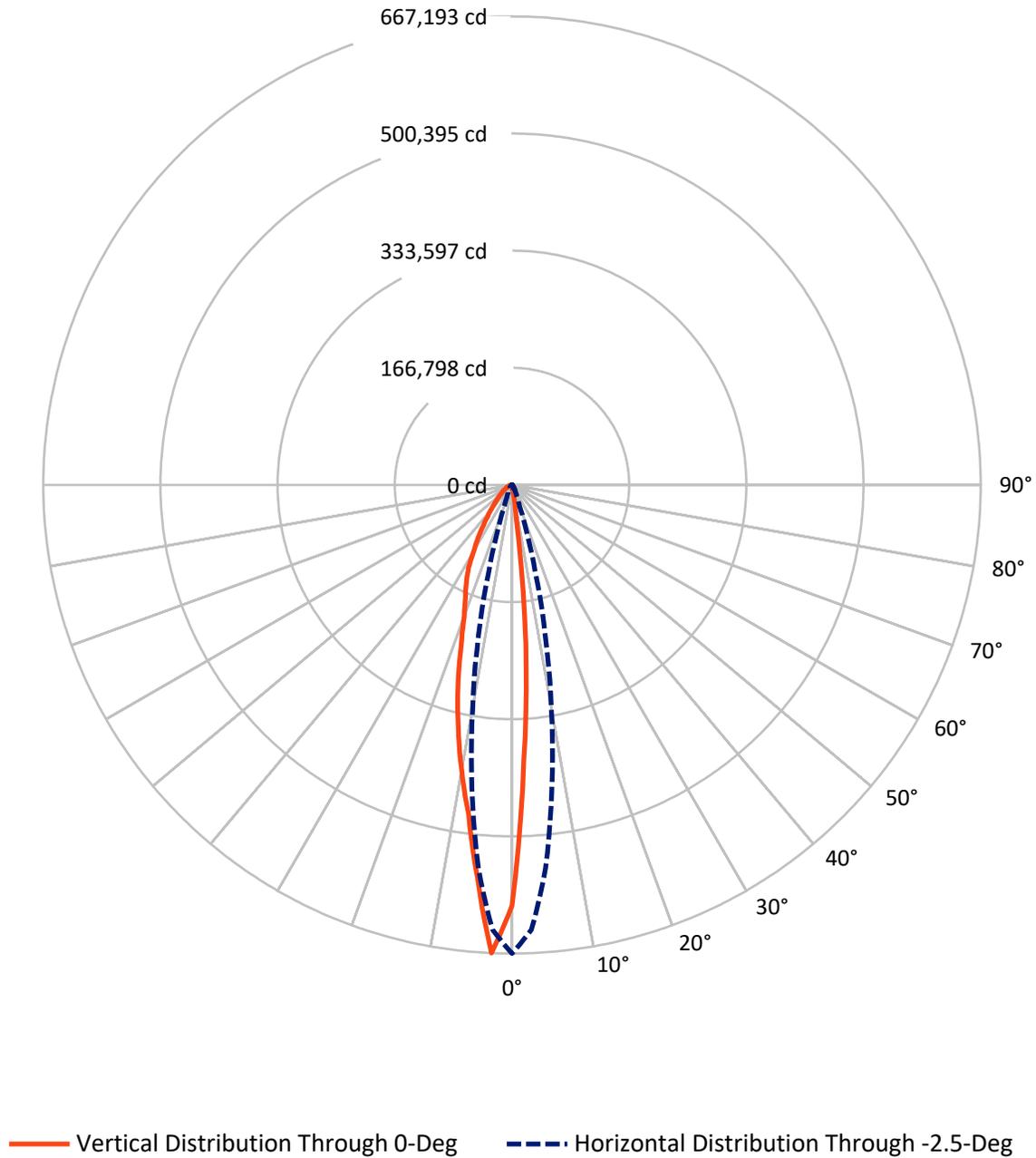
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Lumen Table

90	1.6	4.5		6.0		6.7		7.0		6.7		6.0		4.5		1.6			
80	1.6	4.5		6.0		6.7		7.0		6.7		6.0		4.5		1.6			
70	1.5	0.9	1.0	1.1	1.0	0.8	0.5	0.2	0.2	0.5	0.8	1.0	1.1	1.0	0.9	1.5			
60		0.9	1.1	1.1	1.1	0.8	0.5	0.2	0.2	0.5	0.8	1.1	1.1	1.1	0.9				
50	1.6	0.9	1.1	1.2	1.2	1.0	0.6	0.2	0.2	0.6	1.0	1.2	1.2	1.1	0.9	1.6			
40		0.9	1.2	1.4	1.3	1.2	0.8	0.3	0.3	0.8	1.2	1.3	1.4	1.2	0.9				
30	1.6	1.0	1.3	1.5	1.7	1.7	1.4	0.6	0.6	1.4	1.7	1.7	1.5	1.3	1.0	1.6			
20		1.1	1.7	2.4	3.4	5.3	4.9	5.3	5.3	4.9	5.3	3.4	2.4	1.7	1.1				
10	1.9	1.4	3.7	12.4	37.6	134.7	1346.3	5501.3	5501.3	1346.3	134.7	37.6	12.4	3.7	1.4	1.9			
0		2.5	14.9	54.2	155.5	478.0	3981.0	13698.9	13698.9	3981.0	478.0	155.5	54.2	14.9	2.5				
-10	2.5	4.5	26.4	95.0	232.3	574.6	2430.4	7516.0	7516.0	2430.4	574.6	232.3	95.0	26.4	4.5	2.5			
-20		6.0	28.9	94.6	238.2	550.6	1530.7	3820.8	3820.8	1530.7	550.6	238.2	94.6	28.9	6.0				
-30	3.1	6.3	27.6	78.8	205.1	456.4	998.7	1941.1	1941.1	998.7	456.4	205.1	78.8	27.6	6.3	3.1			
-40		5.9	23.5	64.2	146.9	311.1	605.4	910.5	910.5	605.4	311.1	146.9	64.2	23.5	5.9				
-50	3.1	4.9	17.6	46.7	99.9	190.1	334.7	455.3	455.3	334.7	190.1	99.9	46.7	17.6	4.9	3.1			
-60		3.9	10.7	27.7	56.8	101.9	163.3	207.8	207.8	163.3	101.9	56.8	27.7	10.7	3.9				
-70	2.8	3.9	10.7	27.7	56.8	101.9	163.3	207.8	207.8	163.3	101.9	56.8	27.7	10.7	3.9	2.8			
-80		17.5	57.9		156.5		238.9		156.5		57.9		17.5						
-90	2.8	17.5		57.9		156.5		238.9		156.5		57.9		17.5		2.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

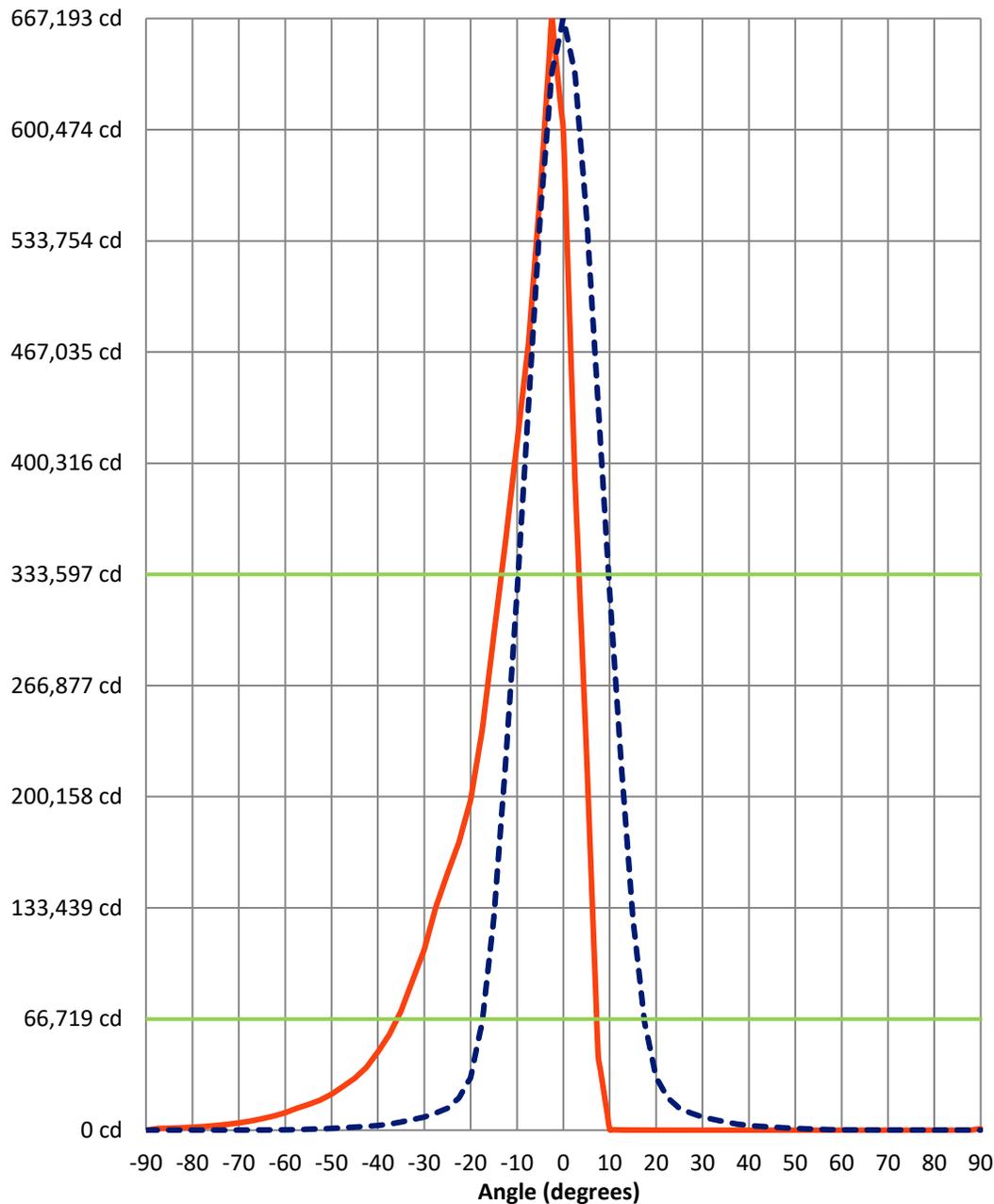
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CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 19.5°
V Angle: 16.7°
Lumens: 33784.7
Efficiency: 33.4%

Field:
H Angle: 34.9°
V Angle: 43.1°
Lumens: 76030.7
Efficiency: 75.2%

Spill:
Lumens: 25016.5
Efficiency: 24.8%

— 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°	76.7	81.3	85.9	98.2	110.5	122.8	135.1	155.9	176.8	197.6	218.5
87.5°	76.7	76.3	75.9	74.9	73.8	72.8	71.7	70.3	68.8	67.4	65.9
85°	76.7	76.3	75.9	74.9	73.8	72.8	71.7	70.3	68.8	67.4	65.9
82.5°	76.7	76.3	75.9	74.9	73.8	72.8	71.8	70.3	68.9	67.5	66.0
80°	76.7	76.3	75.9	74.9	73.9	72.8	71.8	70.4	69.0	67.5	66.1
77.5°	76.7	76.3	75.9	74.9	73.9	72.9	71.8	70.5	69.1	67.6	66.2
75°	76.7	76.3	75.9	75.0	73.9	72.9	71.9	70.6	69.2	67.8	66.3
72.5°	76.7	76.3	75.9	75.0	74.0	73.0	72.0	70.7	69.3	67.9	66.5
70°	76.7	76.3	75.9	75.0	74.0	73.1	72.1	70.8	69.4	68.1	66.7
67.5°	76.7	76.3	76.0	75.1	74.1	73.1	72.2	71.0	69.6	68.3	66.9
65°	76.7	76.3	76.0	75.1	74.2	73.2	72.3	71.2	69.8	68.5	67.1
62.5°	76.7	76.3	76.0	75.2	74.3	73.3	72.4	71.3	70.0	68.7	67.4
60°	76.7	76.4	76.0	75.3	74.4	73.4	72.5	71.5	70.3	69.0	67.6
57.5°	76.7	76.4	76.0	75.3	74.4	73.6	72.7	71.7	70.5	69.2	67.9
55°	76.7	76.4	76.1	75.4	74.5	73.7	72.8	71.9	70.8	69.5	68.3
52.5°	76.7	76.4	76.1	75.5	74.7	73.8	73.0	72.1	71.1	69.8	68.6
50°	76.7	76.4	76.2	75.6	74.8	74.0	73.1	72.3	71.4	70.2	69.1
47.5°	76.7	76.4	76.3	75.7	74.9	74.1	73.3	72.6	71.7	70.6	69.7
45°	76.7	76.4	76.3	75.8	75.0	74.3	73.6	72.9	72.0	71.2	70.4
42.5°	76.7	76.4	76.4	75.9	75.1	74.4	73.8	73.2	72.4	71.8	70.9
40°	76.7	76.4	76.5	76.0	75.3	74.6	74.1	73.6	72.9	72.5	71.5
37.5°	76.7	76.5	76.6	76.2	75.4	74.8	74.4	74.0	73.6	73.2	72.0
35°	76.7	76.5	76.7	76.3	75.6	75.0	74.8	74.4	74.3	73.9	72.6
32.5°	76.7	76.5	76.8	76.5	75.7	75.3	75.1	74.8	75.1	74.5	73.5
30°	76.7	76.5	76.9	76.8	75.9	75.6	75.5	75.3	75.9	75.3	74.5
27.5°	76.7	76.5	77.0	77.0	76.3	75.9	75.9	76.0	76.7	76.0	75.7
25°	76.7	76.5	77.2	77.3	76.8	76.2	76.3	76.8	77.4	77.0	77.1
22.5°	76.7	76.5	77.3	77.5	77.4	76.6	76.7	77.5	78.1	78.1	78.7
20°	76.7	76.6	77.4	77.8	78.0	77.6	77.1	78.2	78.8	79.3	80.3
17.5°	76.7	76.6	77.5	78.1	78.6	78.6	78.3	79.0	79.6	80.6	82.1
15°	76.7	76.6	77.7	78.4	79.3	79.6	79.9	80.4	80.4	82.0	83.9
12.5°	76.7	76.6	77.8	78.6	79.9	80.7	81.5	82.7	82.5	83.3	85.7
10°	76.7	76.6	77.9	78.9	80.6	81.7	83.2	85.0	85.7	87.4	89.2
7.5°	76.7	76.6	78.0	79.2	81.3	82.8	84.9	87.3	89.1	91.8	96.4
5°	76.7	76.7	78.2	79.5	82.0	83.8	86.7	89.7	92.4	96.3	103.7
2.5°	76.7	76.7	78.3	79.8	82.7	84.9	88.4	92.0	95.8	100.7	111.1
0°	76.7	76.7	78.4	80.1	83.4	85.9	90.1	94.2	99.2	105.1	118.4
-2.5°	76.7	77.0	79.0	81.1	85.0	88.2	94.1	100.1	108.1	119.2	144.2
-5°	76.7	77.2	79.5	82.2	86.6	90.4	98.0	105.9	116.8	132.9	169.1
-7.5°	76.7	77.5	80.1	83.2	88.1	92.7	101.7	111.4	125.2	146.0	192.3
-10°	76.7	77.7	80.7	84.1	89.6	94.8	105.2	116.8	133.1	158.3	213.2
-12.5°	76.7	78.0	81.2	85.1	91.0	96.9	108.5	121.8	140.5	172.1	253.0
-15°	76.7	78.2	81.7	86.0	92.3	98.8	111.5	126.5	152.5	202.7	298.1
-17.5°	76.7	78.4	82.2	86.9	93.6	100.7	114.1	134.8	169.9	229.5	336.7
-20°	76.7	78.7	82.7	87.7	94.8	102.5	118.1	145.4	185.3	252.0	367.8



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 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	76.7	78.9	83.1	88.5	95.9	104.2	124.4	154.7	198.6	269.4	390.6
-25°	76.7	79.1	83.6	89.2	96.9	107.9	130.0	162.8	209.5	281.5	404.4
-27.5°	76.7	79.3	84.0	89.9	97.9	112.2	135.0	169.3	217.7	290.3	418.6
-30°	76.7	79.5	84.4	90.6	98.9	116.2	139.2	174.4	224.8	299.7	425.0
-32.5°	76.7	79.7	84.8	91.1	101.4	119.7	142.8	179.0	230.5	305.2	423.0
-35°	76.7	79.9	85.1	91.6	103.6	122.9	146.6	182.9	233.9	306.8	412.3
-37.5°	76.7	80.1	85.4	92.1	105.6	125.7	150.2	185.6	234.9	304.3	419.6
-40°	76.7	80.3	85.7	92.5	107.4	128.0	153.2	187.3	233.6	301.9	425.6
-42.5°	76.7	80.4	85.9	93.1	109.0	130.0	155.6	187.8	232.9	304.9	422.8
-45°	76.7	80.6	86.2	94.2	110.5	131.5	157.3	188.3	232.2	303.6	412.9
-47.5°	76.7	80.7	86.3	95.2	111.7	132.6	158.3	189.3	230.1	297.1	403.8
-50°	76.7	80.8	86.5	96.1	112.7	133.3	158.9	189.5	228.5	293.8	388.0
-52.5°	76.7	81.0	86.6	96.9	113.5	133.7	159.0	188.8	227.4	286.5	366.9
-55°	76.7	81.1	86.7	97.7	114.0	134.0	158.6	187.3	226.0	275.5	351.4
-57.5°	76.7	81.1	86.8	98.3	114.3	134.0	157.5	185.6	223.0	268.6	331.4
-60°	76.7	81.2	86.8	98.8	114.4	133.8	156.1	183.7	218.9	261.9	312.0
-62.5°	76.7	81.3	86.9	99.1	114.7	133.1	154.8	181.3	215.4	253.4	300.4
-65°	76.7	81.3	87.0	99.4	114.9	132.2	153.2	178.7	210.9	246.5	286.8
-67.5°	76.7	81.4	87.0	99.6	114.8	131.4	151.1	176.4	205.6	239.4	275.8
-70°	76.7	81.4	87.0	99.6	114.7	130.9	148.6	173.8	202.2	231.4	265.5
-72.5°	76.7	81.4	86.9	99.7	114.4	130.2	147.1	170.7	198.4	226.6	255.4
-75°	76.7	81.5	86.8	99.8	113.9	129.3	145.5	168.7	194.1	221.5	249.2
-77.5°	76.7	81.5	86.7	99.7	113.6	128.1	143.8	166.9	191.6	216.5	242.5
-80°	76.7	81.4	86.6	99.6	113.2	127.2	141.7	164.8	188.8	213.1	237.7
-82.5°	76.7	81.4	86.5	99.3	112.7	126.3	140.3	162.6	185.7	209.3	233.1
-85°	76.7	81.4	86.3	99.0	112.0	125.3	138.7	160.7	183.0	205.6	228.3
-87.5°	76.7	81.4	86.1	98.7	111.3	124.1	137.0	158.4	180.1	201.8	223.6
-90°	76.7	76.3	75.9	74.9	73.8	72.8	71.7	70.3	68.8	67.4	65.9



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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°	237.5	256.4	275.4	294.4	309.6	324.8	340.0	355.2	373.8	392.4	410.9
87.5°	63.8	61.7	59.6	57.5	55.0	52.5	50.0	47.5	44.8	42.1	39.4
85°	63.9	61.8	59.7	57.6	55.1	52.6	50.1	47.6	44.9	42.2	39.5
82.5°	64.0	61.9	59.8	57.7	55.2	52.7	50.2	47.7	45.1	42.4	39.7
80°	64.1	62.0	59.9	57.8	55.4	52.9	50.4	47.9	45.3	42.6	39.9
77.5°	64.3	62.2	60.1	58.0	55.7	53.2	50.7	48.2	45.5	42.8	40.1
75°	64.5	62.4	60.4	58.3	56.0	53.5	51.0	48.5	45.9	43.2	40.4
72.5°	64.7	62.7	60.6	58.6	56.3	53.8	51.3	48.9	46.3	43.5	40.8
70°	65.0	63.0	60.9	58.9	56.7	54.2	51.8	49.3	46.7	44.0	41.3
67.5°	65.3	63.3	61.3	59.3	57.2	54.7	52.2	49.8	47.2	44.5	41.8
65°	65.7	63.7	61.7	59.7	57.7	55.2	52.8	50.3	47.8	45.1	42.4
62.5°	66.0	64.1	62.1	60.2	58.1	55.8	53.4	50.9	48.4	45.8	43.0
60°	66.3	64.6	62.6	60.7	58.7	56.5	54.1	51.6	49.1	46.5	43.8
57.5°	66.7	65.1	63.2	61.2	59.3	57.2	54.8	52.4	49.9	47.3	44.6
55°	67.0	65.6	63.8	61.8	59.9	57.9	55.6	53.2	50.7	48.2	45.5
52.5°	67.5	66.2	64.4	62.5	60.6	58.7	56.5	54.1	51.6	49.1	46.5
50°	68.1	66.7	65.0	63.2	61.4	59.5	57.4	55.0	52.6	50.1	47.5
47.5°	68.6	67.2	65.8	64.0	62.4	60.4	58.3	56.1	53.7	51.4	48.7
45°	69.1	67.8	66.4	65.2	63.4	61.2	59.3	57.2	55.2	52.9	50.5
42.5°	69.7	68.4	67.3	66.4	64.1	62.2	60.5	58.8	56.9	54.5	51.9
40°	70.3	69.0	68.3	66.9	64.9	63.5	61.9	60.3	58.4	55.9	53.0
37.5°	70.9	70.0	69.2	67.6	66.3	64.9	63.2	61.6	59.7	57.4	54.7
35°	71.5	70.9	70.0	68.6	67.6	66.1	64.7	63.1	61.1	59.0	56.6
32.5°	72.3	71.9	70.9	69.8	68.7	67.4	66.3	64.5	62.8	60.8	59.0
30°	73.5	72.8	72.0	70.9	70.0	69.0	67.8	66.2	64.7	63.1	61.2
27.5°	75.1	73.9	73.1	72.2	71.4	70.6	69.5	68.2	66.9	65.5	63.8
25°	76.9	76.4	74.1	73.5	72.9	72.3	71.6	70.9	69.3	68.3	66.9
22.5°	79.0	79.1	77.3	74.9	74.5	74.2	74.2	73.9	73.0	71.9	70.5
20°	81.3	82.0	81.1	80.1	77.2	76.4	77.3	77.3	77.8	78.3	77.1
17.5°	83.8	85.1	85.6	86.5	86.7	84.3	80.5	80.9	83.4	86.8	91.0
15°	86.5	88.5	90.4	93.8	97.9	101.5	101.7	93.5	90.5	98.1	109.5
12.5°	89.2	92.0	95.6	102.1	110.7	121.8	132.0	140.7	143.5	133.1	135.1
10°	92.0	95.7	100.9	110.9	124.6	144.4	166.2	196.2	227.4	258.6	278.7
7.5°	102.5	107.6	111.3	120.1	139.2	168.4	203.3	257.5	320.6	400.0	481.8
5°	114.4	129.0	148.8	178.9	217.7	266.0	300.9	325.4	419.2	551.1	700.4
2.5°	126.5	150.9	187.5	247.1	339.3	482.2	657.7	839.7	1020.2	1252.2	1501.1
0°	138.4	172.6	226.0	315.2	461.2	699.7	1018.2	1358.4	1722.0	2212.4	2802.8
-2.5°	191.0	251.5	356.6	573.2	836.4	1091.8	1487.8	1894.9	2306.1	2851.6	3669.3
-5°	241.5	327.8	481.5	816.9	1195.8	1475.3	1937.0	2410.5	2910.2	3577.1	4602.5
-7.5°	287.9	399.6	596.9	1027.4	1497.1	1849.0	2408.7	3021.6	3684.9	4500.8	5614.4
-10°	332.7	482.5	717.5	1161.2	1711.9	2192.1	2842.9	3582.8	4389.6	5343.9	6536.0
-12.5°	398.8	573.8	828.4	1273.8	1884.0	2491.7	3214.2	4081.5	5006.7	6089.3	7253.4
-15°	457.4	655.3	924.3	1363.1	2005.6	2738.7	3511.5	4507.5	5434.4	6409.1	7485.2
-17.5°	507.5	725.7	1003.2	1427.3	2069.9	2925.0	3675.0	4623.9	5590.7	6587.7	7679.7
-20°	548.2	783.8	1063.5	1464.9	2083.0	2925.7	3621.2	4550.6	5624.2	6712.8	7779.5



REPORT NUMBER: P1212213 (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°	578.6	828.3	1113.4	1515.7	2075.6	2804.2	3534.8	4378.2	5520.6	6779.2	7892.1
-25°	601.7	859.8	1158.4	1544.0	2047.5	2677.7	3403.5	4128.9	5272.3	6662.2	8016.4
-27.5°	616.4	877.0	1186.3	1554.2	2008.4	2568.8	3245.1	3949.8	4964.1	6388.5	7978.0
-30°	618.3	883.6	1195.5	1552.5	1992.2	2508.9	3090.9	3813.3	4607.5	5928.9	7514.1
-32.5°	615.1	878.0	1190.8	1547.5	1965.6	2440.3	2997.8	3702.9	4454.9	5287.8	6848.1
-35°	613.6	871.1	1171.8	1519.8	1920.0	2385.6	2931.4	3565.3	4296.3	5012.7	6160.1
-37.5°	612.6	854.3	1136.8	1475.9	1866.5	2315.2	2824.6	3426.3	4105.3	4897.1	5797.3
-40°	602.3	827.5	1102.4	1420.5	1793.0	2221.6	2708.5	3258.7	3894.1	4708.2	5614.8
-42.5°	584.8	805.4	1061.7	1349.3	1713.4	2115.6	2559.0	3077.9	3699.8	4455.4	5304.5
-45°	570.9	772.9	1012.4	1294.8	1620.4	1995.4	2414.0	2872.8	3478.4	4149.3	4931.7
-47.5°	546.5	733.0	962.9	1223.8	1526.3	1870.9	2251.7	2710.3	3227.4	3840.0	4504.1
-50°	515.6	690.5	902.2	1149.3	1425.7	1739.5	2092.3	2525.9	3008.0	3524.2	4110.3
-52.5°	486.9	635.9	836.8	1065.5	1320.3	1604.1	1938.3	2330.5	2769.3	3242.6	3764.3
-55°	450.5	587.3	761.1	973.4	1209.4	1467.2	1773.0	2128.5	2510.1	2943.6	3422.1
-57.5°	418.0	534.8	687.8	870.9	1088.1	1327.8	1608.9	1915.4	2262.3	2635.3	3058.5
-60°	386.3	483.9	613.0	772.2	955.0	1179.1	1431.5	1707.7	2007.2	2327.2	2692.3
-62.5°	353.8	437.2	542.1	671.5	831.6	1020.3	1245.0	1489.1	1747.5	2027.6	2326.5
-65°	336.0	392.0	475.6	582.2	703.6	868.2	1055.8	1262.5	1491.5	1721.6	1967.7
-67.5°	315.4	364.4	421.7	492.9	598.5	725.6	861.4	1036.1	1226.3	1414.9	1609.4
-70°	300.6	335.8	382.7	438.6	505.8	597.6	715.5	840.7	974.1	1124.6	1294.6
-72.5°	286.3	318.8	352.8	388.2	445.1	516.3	593.9	677.5	785.0	910.7	1037.7
-75°	275.5	301.2	331.7	363.9	403.8	450.2	501.7	570.2	652.8	744.5	838.5
-77.5°	267.5	292.1	317.0	342.0	373.9	413.7	455.9	500.2	557.8	623.1	691.5
-80°	260.1	282.5	306.1	329.9	357.2	386.9	418.5	451.7	496.1	546.7	601.5
-82.5°	254.4	275.8	297.3	319.1	341.8	365.2	389.5	416.2	452.4	491.1	531.3
-85°	248.5	268.6	289.0	309.6	330.1	350.9	372.0	393.5	421.2	449.9	479.4
-87.5°	243.2	262.7	282.3	301.8	319.6	337.5	355.6	373.9	396.3	418.9	441.8
-90°	63.8	61.7	59.6	57.5	55.0	52.5	50.0	47.5	44.8	42.1	39.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	429.5	458.1	486.6	515.2	543.7	582.9	622.1	661.3	700.5	738.7	776.8
87.5°	36.7	34.0	31.3	28.6	25.9	23.2	20.5	17.7	15.0	12.7	10.4
85°	36.8	34.1	31.4	28.7	26.0	23.3	20.5	17.8	15.1	12.6	10.0
82.5°	37.0	34.2	31.5	28.8	26.1	23.4	20.6	17.9	15.1	12.6	10.1
80°	37.1	34.4	31.7	29.0	26.3	23.5	20.8	18.0	15.2	12.7	10.2
77.5°	37.4	34.6	31.8	28.9	26.0	23.2	20.3	17.5	14.7	12.2	9.9
75°	37.7	34.8	31.9	29.1	26.3	23.5	20.6	17.7	14.8	12.3	9.9
72.5°	38.1	35.3	32.6	29.8	27.0	24.2	21.3	18.4	15.6	13.0	10.4
70°	38.5	35.8	33.0	30.2	27.4	24.5	21.6	18.6	15.5	12.7	10.2
67.5°	39.0	36.3	33.5	30.7	27.8	24.9	21.8	18.7	15.6	12.8	10.3
65°	39.6	36.8	34.0	31.2	28.3	25.2	22.0	18.9	15.8	13.0	10.5
62.5°	40.3	37.4	34.5	31.5	28.3	25.0	22.1	19.1	16.2	13.3	10.5
60°	41.0	38.1	35.2	32.0	28.9	25.7	22.6	19.6	16.6	13.6	10.9
57.5°	41.8	38.9	36.0	32.8	29.6	26.4	23.2	20.1	17.0	13.9	11.3
55°	42.7	39.8	36.9	33.7	30.4	27.1	23.9	20.7	17.6	14.4	11.6
52.5°	43.6	40.8	37.8	34.7	31.4	28.0	24.6	21.4	18.2	14.9	11.9
50°	44.7	41.9	39.0	35.8	32.4	29.0	25.5	22.2	18.8	15.4	12.3
47.5°	46.2	43.5	40.2	36.9	33.6	30.1	26.5	23.0	19.6	16.1	12.7
45°	47.9	44.5	41.3	38.2	34.8	31.3	27.6	24.0	20.4	16.8	13.3
42.5°	48.7	45.7	42.7	39.5	36.2	32.6	28.9	25.0	21.4	17.6	13.9
40°	50.2	47.2	44.2	41.1	37.8	34.1	30.3	26.3	22.5	18.7	14.6
37.5°	51.9	49.0	46.1	43.1	39.6	35.8	32.0	28.2	24.4	19.9	15.5
35°	54.1	51.3	48.6	45.2	41.6	37.7	33.9	29.9	25.1	21.1	16.6
32.5°	56.4	53.7	50.7	47.6	44.1	40.5	36.4	32.9	28.5	24.4	20.1
30°	58.7	56.2	54.0	51.0	47.7	44.9	41.8	39.1	35.9	31.6	27.0
27.5°	61.7	60.1	58.3	55.1	53.6	51.9	50.9	48.9	45.7	41.9	32.9
25°	65.5	65.0	62.3	61.5	61.7	62.0	60.8	58.7	51.1	42.1	30.5
22.5°	70.2	69.4	68.5	69.8	71.7	73.0	69.9	63.7	49.8	35.0	26.5
20°	75.1	74.9	77.9	83.2	85.7	89.0	82.1	65.6	48.7	46.2	45.5
17.5°	90.7	83.8	94.3	109.3	116.8	107.1	94.8	73.7	65.7	66.3	63.9
15°	119.0	123.4	133.5	149.7	158.8	145.0	114.8	108.1	101.9	108.2	114.5
12.5°	157.9	184.5	227.4	263.6	213.4	197.0	192.4	178.6	182.8	188.4	200.7
10°	279.8	264.4	362.6	474.1	567.1	614.8	327.0	473.6	620.1	685.2	472.5
7.5°	592.7	802.7	967.8	1018.8	1119.7	2075.3	3342.3	4753.6	6585.2	13743.0	15938.5
5°	941.2	1477.5	2036.1	2807.6	3467.9	5017.0	8248.5	19809.2	33563.2	60528.1	99473.9
2.5°	1889.4	2662.7	3456.0	4861.7	6246.8	8797.4	13656.4	29789.2	60563.4	108124.7	158125.6
0°	3709.2	5041.0	6345.2	8594.3	10646.6	15608.4	24989.9	52891.8	102161.1	179943.6	263757.7
-2.5°	4948.0	6403.1	7926.5	10334.2	13231.7	19477.5	31749.5	65215.3	127430.0	219301.0	322473.7
-5°	6049.5	7694.2	9546.9	12204.9	15469.2	21145.4	33987.4	64585.2	125926.1	211742.8	306015.7
-7.5°	7046.3	8835.8	10972.2	13782.5	17294.3	22649.6	35252.5	63905.1	114999.4	190733.8	274326.7
-10°	7967.5	9775.5	12072.2	14870.3	18582.1	23717.5	32543.7	55556.4	97396.1	164643.5	239902.0
-12.5°	8692.3	10535.7	12869.4	15494.9	19185.0	24522.9	32865.7	50251.3	82273.6	129613.6	196169.1
-15°	9131.2	11127.6	13485.5	16213.9	19918.3	24912.5	31840.1	44799.4	69087.9	107763.4	155051.3
-17.5°	9288.7	11436.7	13842.0	16624.4	20038.0	24814.7	31894.6	42251.1	61154.6	91920.0	125130.7
-20°	9186.8	11420.2	13838.4	16616.6	20107.7	24618.5	30449.1	40918.5	56798.3	80138.7	106544.5



REPORT NUMBER: P1212213 (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°	9248.8	11189.1	13568.7	16382.0	19928.3	24083.4	29714.4	39012.1	51818.2	72058.7	94438.4
-25°	9273.6	10799.4	13242.1	16203.2	19472.5	23305.4	29000.4	35994.1	48745.5	65922.7	86058.7
-27.5°	9258.3	10776.1	12862.9	15699.5	18795.9	22581.8	27475.1	33911.4	44972.7	58007.3	75982.0
-30°	9250.6	10807.4	12693.1	14928.5	18053.2	21615.1	25478.3	32030.0	40838.9	51618.4	65989.8
-32.5°	8826.4	10802.6	12456.2	14472.0	17018.7	20267.9	24115.2	29722.7	36386.9	45529.3	56684.1
-35°	8126.6	10172.2	12235.4	13997.4	16089.0	18739.9	22463.6	27082.8	32148.1	39786.4	48195.4
-37.5°	7108.6	9165.3	11265.2	13395.9	15296.5	17428.7	20693.8	24409.8	28710.6	34501.4	40786.6
-40°	6566.4	7774.6	9890.8	12041.0	14101.8	16595.4	19195.2	22047.4	25690.5	30070.9	34633.4
-42.5°	6235.9	7263.5	8403.3	10218.6	12374.8	14927.8	17459.5	20055.1	23191.2	26525.6	29914.5
-45°	5795.5	6794.4	7853.8	8981.3	10452.8	12797.1	15235.3	17778.0	20573.5	23384.2	25948.0
-47.5°	5325.6	6230.6	7202.0	8227.7	9649.6	11265.3	13021.5	15097.8	17608.5	20130.6	22239.1
-50°	4836.4	5636.0	6509.2	7476.4	8715.4	10072.5	11521.5	13299.1	15203.7	17147.3	18622.2
-52.5°	4348.5	5050.0	5803.9	6688.8	7726.1	8841.5	10057.8	11625.1	13225.8	14835.1	15922.6
-55°	3944.4	4508.0	5104.2	5895.9	6754.7	7646.1	8673.4	9975.7	11318.2	12682.2	13606.9
-57.5°	3523.6	4009.8	4544.0	5198.2	5882.7	6592.0	7461.1	8471.9	9519.8	10557.3	11280.5
-60°	3089.1	3514.8	3994.3	4535.7	5109.9	5711.5	6416.6	7176.8	7964.2	8708.0	9244.9
-62.5°	2643.9	2996.2	3422.6	3875.7	4336.8	4820.8	5421.8	6031.5	6643.3	7178.0	7558.3
-65°	2233.9	2519.9	2869.8	3241.7	3630.6	4048.5	4529.4	5016.8	5506.1	5916.9	6226.3
-67.5°	1827.1	2064.2	2347.3	2636.2	2944.3	3290.1	3686.3	4085.5	4484.3	4806.7	5060.7
-70°	1464.1	1648.6	1863.8	2090.5	2338.3	2619.6	2936.4	3250.0	3558.8	3795.1	3986.6
-72.5°	1165.6	1314.5	1493.4	1685.5	1876.3	2099.0	2347.1	2597.0	2847.1	3033.3	3190.9
-75°	934.3	1050.9	1191.4	1336.8	1486.2	1667.7	1864.9	2064.3	2264.4	2417.0	2553.2
-77.5°	769.5	866.5	970.3	1075.6	1182.0	1316.7	1459.6	1603.0	1746.2	1861.2	1969.9
-80°	658.5	733.0	812.0	892.4	973.7	1080.5	1192.7	1306.1	1420.2	1512.8	1602.2
-82.5°	572.8	631.9	693.9	756.8	820.6	903.3	988.4	1074.3	1160.5	1234.4	1307.0
-85°	509.4	555.5	603.1	651.5	700.4	764.0	828.5	893.2	958.1	1018.2	1077.9
-87.5°	464.7	500.7	537.1	573.8	610.6	661.3	712.2	763.4	814.6	861.2	907.6
-90°	36.7	34.0	31.3	28.6	25.9	23.2	20.5	17.7	15.0	12.7	10.4



REPORT NUMBER: P1212213 (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°	815.0	853.1	865.2	877.3	865.2	853.1	815.0	776.8	738.7	700.5	661.3
87.5°	8.1	5.8	3.8	1.7	3.8	5.8	8.1	10.4	12.7	15.0	17.7
85°	7.5	5.0	3.4	1.7	3.4	5.0	7.5	10.0	12.6	15.1	17.8
82.5°	7.6	5.0	3.4	1.7	3.4	5.0	7.6	10.1	12.6	15.1	17.9
80°	7.6	5.1	3.4	1.7	3.4	5.1	7.6	10.2	12.7	15.2	18.0
77.5°	7.5	5.1	3.4	1.7	3.4	5.1	7.5	9.9	12.2	14.7	17.5
75°	7.5	5.2	3.0	0.8	3.0	5.2	7.5	9.9	12.3	14.8	17.7
72.5°	7.8	5.2	3.8	2.5	3.8	5.2	7.8	10.4	13.0	15.6	18.4
70°	7.8	5.3	3.5	1.7	3.5	5.3	7.8	10.2	12.7	15.5	18.6
67.5°	7.9	5.4	3.5	1.7	3.5	5.4	7.9	10.3	12.8	15.6	18.7
65°	8.0	5.5	3.1	0.8	3.1	5.5	8.0	10.5	13.0	15.8	18.9
62.5°	7.7	4.9	2.7	0.8	2.7	4.9	7.7	10.5	13.3	16.2	19.1
60°	8.3	5.7	3.6	1.7	3.6	5.7	8.3	10.9	13.6	16.6	19.6
57.5°	8.6	5.8	3.3	0.8	3.3	5.8	8.6	11.3	13.9	17.0	20.1
55°	8.8	6.0	3.4	0.8	3.4	6.0	8.8	11.6	14.4	17.6	20.7
52.5°	9.1	6.2	3.4	0.8	3.4	6.2	9.1	11.9	14.9	18.2	21.4
50°	9.4	6.4	3.3	0.0	3.3	6.4	9.4	12.3	15.4	18.8	22.2
47.5°	9.4	6.0	3.1	0.8	3.1	6.0	9.4	12.7	16.1	19.6	23.0
45°	10.0	6.8	3.8	0.8	3.8	6.8	10.0	13.3	16.8	20.4	24.0
42.5°	10.5	7.2	3.7	0.0	3.7	7.2	10.5	13.9	17.6	21.4	25.0
40°	11.0	7.5	4.1	0.8	4.1	7.5	11.0	14.6	18.7	22.5	26.3
37.5°	11.6	7.9	4.2	0.8	4.2	7.9	11.6	15.5	19.9	24.4	28.2
35°	12.3	8.4	4.4	0.0	4.4	8.4	12.3	16.6	21.1	25.1	29.9
32.5°	15.1	10.1	4.7	0.8	4.7	10.1	15.1	20.1	24.4	28.5	32.9
30°	21.0	14.7	7.4	0.0	7.4	14.7	21.0	27.0	31.6	35.9	39.1
27.5°	24.3	16.8	9.7	0.0	9.7	16.8	24.3	32.9	41.9	45.7	48.9
25°	20.6	14.4	11.1	5.0	11.1	14.4	20.6	30.5	42.1	51.1	58.7
22.5°	27.7	26.6	21.3	17.5	21.3	26.6	27.7	26.5	35.0	49.8	63.7
20°	44.3	41.6	39.5	35.9	39.5	41.6	44.3	45.5	46.2	48.7	65.6
17.5°	69.8	70.1	67.5	64.2	67.5	70.1	69.8	63.9	66.3	65.7	73.7
15°	119.4	117.9	112.1	107.6	112.1	117.9	119.4	114.5	108.2	101.9	108.1
12.5°	195.0	190.7	182.4	176.4	182.4	190.7	195.0	200.7	188.4	182.8	178.6
10°	732.9	769.9	548.1	335.2	548.1	769.9	732.9	472.5	685.2	620.1	473.6
7.5°	22713.8	30973.6	38710.6	45063.0	38710.6	30973.6	22713.8	15938.5	13743.0	6585.2	4753.6
5°	139040.3	183471.7	208910.9	226119.0	208910.9	183471.7	139040.3	99473.9	60528.1	33563.2	19809.2
2.5°	232891.3	305792.1	357714.7	391128.1	357714.7	305792.1	232891.3	158125.6	108124.7	60563.4	29789.2
0°	365725.7	469268.2	557568.4	599314.6	557568.4	469268.2	365725.7	263757.7	179943.6	102161.1	52891.8
-2.5°	435855.2	548431.6	634146.3	667193.1	634146.3	548431.6	435855.2	322473.7	219301.0	127430.0	65215.3
-5°	407253.6	490148.1	544915.8	562434.7	544915.8	490148.1	407253.6	306015.7	211742.8	125926.1	64585.2
-7.5°	361400.2	423571.7	461053.4	472989.2	461053.4	423571.7	361400.2	274326.7	190733.8	114999.4	63905.1
-10°	314299.6	369770.3	399841.6	412452.0	399841.6	369770.3	314299.6	239902.0	164643.5	97396.1	55556.4
-12.5°	257872.6	311732.4	342676.4	352916.8	342676.4	311732.4	257872.6	196169.1	129613.6	82273.6	50251.3
-15°	205413.9	251568.4	283095.6	297102.6	283095.6	251568.4	205413.9	155051.3	107763.4	69087.9	44799.4
-17.5°	165431.0	204316.5	230241.8	240143.8	230241.8	204316.5	165431.0	125130.7	91920.0	61154.6	42251.1
-20°	138386.5	168867.5	189211.4	198354.7	189211.4	168867.5	138386.5	106544.5	80138.7	56798.3	40918.5



REPORT NUMBER: P1212213 (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°
-22.5°	121584.6	146024.3	165098.1	172992.9	165098.1	146024.3	121584.6	94438.4	72058.7	51818.2	39012.1
-25°	108713.1	128935.4	146124.6	153998.0	146124.6	128935.4	108713.1	86058.7	65922.7	48745.5	35994.1
-27.5°	94988.7	111304.8	126234.9	133875.7	126234.9	111304.8	94988.7	75982.0	58007.3	44972.7	33911.4
-30°	80926.1	93461.3	105572.9	108438.8	105572.9	93461.3	80926.1	65989.8	51618.4	40838.9	32030.0
-32.5°	67797.2	77139.1	85700.9	90040.2	85700.9	77139.1	67797.2	56684.1	45529.3	36386.9	29722.7
-35°	56139.9	63146.6	69229.6	71635.7	69229.6	63146.6	56139.9	48195.4	39786.4	32148.1	27082.8
-37.5°	46614.7	51996.1	56328.8	57593.4	56328.8	51996.1	46614.7	40786.6	34501.4	28710.6	24409.8
-40°	38697.4	42753.6	45950.2	46981.0	45950.2	42753.6	38697.4	34633.4	30070.9	25690.5	22047.4
-42.5°	32552.1	35118.6	37000.2	37663.7	37000.2	35118.6	32552.1	29914.5	26525.6	23191.2	20055.1
-45°	27903.8	29786.9	30980.1	31189.2	30980.1	29786.9	27903.8	25948.0	23384.2	20573.5	17778.0
-47.5°	23828.9	25305.0	26160.9	26311.6	26160.9	25305.0	23828.9	22239.1	20130.6	17608.5	15097.8
-50°	19790.4	20893.0	21506.0	21650.1	21506.0	20893.0	19790.4	18622.2	17147.3	15203.7	13299.1
-52.5°	16810.6	17620.0	17995.3	18045.9	17995.3	17620.0	16810.6	15922.6	14835.1	13225.8	11625.1
-55°	14463.6	15263.3	15531.9	15450.8	15531.9	15263.3	14463.6	13606.9	12682.2	11318.2	9975.7
-57.5°	11972.5	12622.5	12985.7	13179.2	12985.7	12622.5	11972.5	11280.5	10557.3	9519.8	8471.9
-60°	9762.4	10250.8	10452.0	10510.6	10452.0	10250.8	9762.4	9244.9	8708.0	7964.2	7176.8
-62.5°	7914.6	8244.2	8404.0	8490.9	8404.0	8244.2	7914.6	7558.3	7178.0	6643.3	6031.5
-65°	6518.2	6790.1	6879.0	6906.5	6879.0	6790.1	6518.2	6226.3	5916.9	5506.1	5016.8
-67.5°	5299.5	5521.3	5534.5	5491.3	5534.5	5521.3	5299.5	5060.7	4806.7	4484.3	4085.5
-70°	4167.2	4336.0	4377.2	4388.9	4377.2	4336.0	4167.2	3986.6	3795.1	3558.8	3250.0
-72.5°	3341.2	3483.5	3516.5	3530.0	3516.5	3483.5	3341.2	3190.9	3033.3	2847.1	2597.0
-75°	2683.5	2807.4	2821.8	2821.1	2821.8	2807.4	2683.5	2553.2	2417.0	2264.4	2064.3
-77.5°	2076.0	2179.2	2200.1	2213.2	2200.1	2179.2	2076.0	1969.9	1861.2	1746.2	1603.0
-80°	1690.1	1776.2	1782.1	1782.9	1782.1	1776.2	1690.1	1602.2	1512.8	1420.2	1306.1
-82.5°	1378.8	1449.4	1462.3	1472.7	1462.3	1449.4	1378.8	1307.0	1234.4	1160.5	1074.3
-85°	1137.3	1196.4	1213.3	1229.2	1213.3	1196.4	1137.3	1077.9	1018.2	958.1	893.2
-87.5°	953.9	1000.1	1013.4	1026.5	1013.4	1000.1	953.9	907.6	861.2	814.6	763.4
-90°	8.1	5.8	4.1	2.5	4.1	5.8	8.1	10.4	12.7	15.0	17.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	622.1	582.9	543.7	515.2	486.6	458.1	429.5	410.9	392.4	373.8	355.2
87.5°	20.5	23.2	25.9	28.6	31.3	34.0	36.7	39.4	42.1	44.8	47.5
85°	20.5	23.3	26.0	28.7	31.4	34.1	36.8	39.5	42.2	44.9	47.6
82.5°	20.6	23.4	26.1	28.8	31.5	34.2	37.0	39.7	42.4	45.1	47.7
80°	20.8	23.5	26.3	29.0	31.7	34.4	37.1	39.9	42.6	45.3	47.9
77.5°	20.3	23.2	26.0	28.9	31.8	34.6	37.4	40.1	42.8	45.5	48.2
75°	20.6	23.5	26.3	29.1	31.9	34.8	37.7	40.4	43.2	45.9	48.5
72.5°	21.3	24.2	27.0	29.8	32.6	35.3	38.1	40.8	43.5	46.3	48.9
70°	21.6	24.5	27.4	30.2	33.0	35.8	38.5	41.3	44.0	46.7	49.3
67.5°	21.8	24.9	27.8	30.7	33.5	36.3	39.0	41.8	44.5	47.2	49.8
65°	22.0	25.2	28.3	31.2	34.0	36.8	39.6	42.4	45.1	47.8	50.3
62.5°	22.1	25.0	28.3	31.5	34.5	37.4	40.3	43.0	45.8	48.4	50.9
60°	22.6	25.7	28.9	32.0	35.2	38.1	41.0	43.8	46.5	49.1	51.6
57.5°	23.2	26.4	29.6	32.8	36.0	38.9	41.8	44.6	47.3	49.9	52.4
55°	23.9	27.1	30.4	33.7	36.9	39.8	42.7	45.5	48.2	50.7	53.2
52.5°	24.6	28.0	31.4	34.7	37.8	40.8	43.6	46.5	49.1	51.6	54.1
50°	25.5	29.0	32.4	35.8	39.0	41.9	44.7	47.5	50.1	52.6	55.0
47.5°	26.5	30.1	33.6	36.9	40.2	43.5	46.2	48.7	51.4	53.7	56.1
45°	27.6	31.3	34.8	38.2	41.3	44.5	47.9	50.5	52.9	55.2	57.2
42.5°	28.9	32.6	36.2	39.5	42.7	45.7	48.7	51.9	54.5	56.9	58.8
40°	30.3	34.1	37.8	41.1	44.2	47.2	50.2	53.0	55.9	58.4	60.3
37.5°	32.0	35.8	39.6	43.1	46.1	49.0	51.9	54.7	57.4	59.7	61.6
35°	33.9	37.7	41.6	45.2	48.6	51.3	54.1	56.6	59.0	61.1	63.1
32.5°	36.4	40.5	44.1	47.6	50.7	53.7	56.4	59.0	60.8	62.8	64.5
30°	41.8	44.9	47.7	51.0	54.0	56.2	58.7	61.2	63.1	64.7	66.2
27.5°	50.9	51.9	53.6	55.1	58.3	60.1	61.7	63.8	65.5	66.9	68.2
25°	60.8	62.0	61.7	61.5	62.3	65.0	65.5	66.9	68.3	69.3	70.9
22.5°	69.9	73.0	71.7	69.8	68.5	69.4	70.2	70.5	71.9	73.0	73.9
20°	82.1	89.0	85.7	83.2	77.9	74.9	75.1	77.1	78.3	77.8	77.3
17.5°	94.8	107.1	116.8	109.3	94.3	83.8	90.7	91.0	86.8	83.4	80.9
15°	114.8	145.0	158.8	149.7	133.5	123.4	119.0	109.5	98.1	90.5	93.5
12.5°	192.4	197.0	213.4	263.6	227.4	184.5	157.9	135.1	133.1	143.5	140.7
10°	327.0	614.8	567.1	474.1	362.6	264.4	279.8	278.7	258.6	227.4	196.2
7.5°	3342.3	2075.3	1119.7	1018.8	967.8	802.7	592.7	481.8	400.0	320.6	257.5
5°	8248.5	5017.0	3467.9	2807.6	2036.1	1477.5	941.2	700.4	551.1	419.2	325.4
2.5°	13656.4	8797.4	6246.8	4861.7	3456.0	2662.7	1889.4	1501.1	1252.2	1020.2	839.7
0°	24989.9	15608.4	10646.6	8594.3	6345.2	5041.0	3709.2	2802.8	2212.4	1722.0	1358.4
-2.5°	31749.5	19477.5	13231.7	10334.2	7926.5	6403.1	4948.0	3669.3	2851.6	2306.1	1894.9
-5°	33987.4	21145.4	15469.2	12204.9	9546.9	7694.2	6049.5	4602.5	3577.1	2910.2	2410.5
-7.5°	35252.5	22649.6	17294.3	13782.5	10972.2	8835.8	7046.3	5614.4	4500.8	3684.9	3021.6
-10°	32543.7	23717.5	18582.1	14870.3	12072.2	9775.5	7967.5	6536.0	5343.9	4389.6	3582.8
-12.5°	32865.7	24522.9	19185.0	15494.9	12869.4	10535.7	8692.3	7253.4	6089.3	5006.7	4081.5
-15°	31840.1	24912.5	19918.3	16213.9	13485.5	11127.6	9131.2	7485.2	6409.1	5434.4	4507.5
-17.5°	31894.6	24814.7	20038.0	16624.4	13842.0	11436.7	9288.7	7679.7	6587.7	5590.7	4623.9
-20°	30449.1	24618.5	20107.7	16616.6	13838.4	11420.2	9186.8	7779.5	6712.8	5624.2	4550.6



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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°	29714.4	24083.4	19928.3	16382.0	13568.7	11189.1	9248.8	7892.1	6779.2	5520.6	4378.2
-25°	29000.4	23305.4	19472.5	16203.2	13242.1	10799.4	9273.6	8016.4	6662.2	5272.3	4128.9
-27.5°	27475.1	22581.8	18795.9	15699.5	12862.9	10776.1	9258.3	7978.0	6388.5	4964.1	3949.8
-30°	25478.3	21615.1	18053.2	14928.5	12693.1	10807.4	9250.6	7514.1	5928.9	4607.5	3813.3
-32.5°	24115.2	20267.9	17018.7	14472.0	12456.2	10802.6	8826.4	6848.1	5287.8	4454.9	3702.9
-35°	22463.6	18739.9	16089.0	13997.4	12235.4	10172.2	8126.6	6160.1	5012.7	4296.3	3565.3
-37.5°	20693.8	17428.7	15296.5	13395.9	11265.2	9165.3	7108.6	5797.3	4897.1	4105.3	3426.3
-40°	19195.2	16595.4	14101.8	12041.0	9890.8	7774.6	6566.4	5614.8	4708.2	3894.1	3258.7
-42.5°	17459.5	14927.8	12374.8	10218.6	8403.3	7263.5	6235.9	5304.5	4455.4	3699.8	3077.9
-45°	15235.3	12797.1	10452.8	8981.3	7853.8	6794.4	5795.5	4931.7	4149.3	3478.4	2872.8
-47.5°	13021.5	11265.3	9649.6	8227.7	7202.0	6230.6	5325.6	4504.1	3840.0	3227.4	2710.3
-50°	11521.5	10072.5	8715.4	7476.4	6509.2	5636.0	4836.4	4110.3	3524.2	3008.0	2525.9
-52.5°	10057.8	8841.5	7726.1	6688.8	5803.9	5050.0	4348.5	3764.3	3242.6	2769.3	2330.5
-55°	8673.4	7646.1	6754.7	5895.9	5104.2	4508.0	3944.4	3422.1	2943.6	2510.1	2128.5
-57.5°	7461.1	6592.0	5882.7	5198.2	4544.0	4009.8	3523.6	3058.5	2635.3	2262.3	1915.4
-60°	6416.6	5711.5	5109.9	4535.7	3994.3	3514.8	3089.1	2692.3	2327.2	2007.2	1707.7
-62.5°	5421.8	4820.8	4336.8	3875.7	3422.6	2996.2	2643.9	2326.5	2027.6	1747.5	1489.1
-65°	4529.4	4048.5	3630.6	3241.7	2869.8	2519.9	2233.9	1967.7	1721.6	1491.5	1262.5
-67.5°	3686.3	3290.1	2944.3	2636.2	2347.3	2064.2	1827.1	1609.4	1414.9	1226.3	1036.1
-70°	2936.4	2619.6	2338.3	2090.5	1863.8	1648.6	1464.1	1294.6	1124.6	974.1	840.7
-72.5°	2347.1	2099.0	1876.3	1685.5	1493.4	1314.5	1165.6	1037.7	910.7	785.0	677.5
-75°	1864.9	1667.7	1486.2	1336.8	1191.4	1050.9	934.3	838.5	744.5	652.8	570.2
-77.5°	1459.6	1316.7	1182.0	1075.6	970.3	866.5	769.5	691.5	623.1	557.8	500.2
-80°	1192.7	1080.5	973.7	892.4	812.0	733.0	658.5	601.5	546.7	496.1	451.7
-82.5°	988.4	903.3	820.6	756.8	693.9	631.9	572.8	531.3	491.1	452.4	416.2
-85°	828.5	764.0	700.4	651.5	603.1	555.5	509.4	479.4	449.9	421.2	393.5
-87.5°	712.2	661.3	610.6	573.8	537.1	500.7	464.7	441.8	418.9	396.3	373.9
-90°	20.5	23.2	25.9	28.6	31.3	34.0	36.7	39.4	42.1	44.8	47.5



REPORT NUMBER: P1212213 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	340.0	324.8	309.6	294.4	275.4	256.4	237.5	218.5	197.6	176.8	155.9
87.5°	50.0	52.5	55.0	57.5	59.6	61.7	63.8	65.9	67.4	68.8	70.3
85°	50.1	52.6	55.1	57.6	59.7	61.8	63.9	65.9	67.4	68.8	70.3
82.5°	50.2	52.7	55.2	57.7	59.8	61.9	64.0	66.0	67.5	68.9	70.3
80°	50.4	52.9	55.4	57.8	59.9	62.0	64.1	66.1	67.5	69.0	70.4
77.5°	50.7	53.2	55.7	58.0	60.1	62.2	64.3	66.2	67.6	69.1	70.5
75°	51.0	53.5	56.0	58.3	60.4	62.4	64.5	66.3	67.8	69.2	70.6
72.5°	51.3	53.8	56.3	58.6	60.6	62.7	64.7	66.5	67.9	69.3	70.7
70°	51.8	54.2	56.7	58.9	60.9	63.0	65.0	66.7	68.1	69.4	70.8
67.5°	52.2	54.7	57.2	59.3	61.3	63.3	65.3	66.9	68.3	69.6	71.0
65°	52.8	55.2	57.7	59.7	61.7	63.7	65.7	67.1	68.5	69.8	71.2
62.5°	53.4	55.8	58.1	60.2	62.1	64.1	66.0	67.4	68.7	70.0	71.3
60°	54.1	56.5	58.7	60.7	62.6	64.6	66.3	67.6	69.0	70.3	71.5
57.5°	54.8	57.2	59.3	61.2	63.2	65.1	66.7	67.9	69.2	70.5	71.7
55°	55.6	57.9	59.9	61.8	63.8	65.6	67.0	68.3	69.5	70.8	71.9
52.5°	56.5	58.7	60.6	62.5	64.4	66.2	67.5	68.6	69.8	71.1	72.1
50°	57.4	59.5	61.4	63.2	65.0	66.7	68.1	69.1	70.2	71.4	72.3
47.5°	58.3	60.4	62.4	64.0	65.8	67.2	68.6	69.7	70.6	71.7	72.6
45°	59.3	61.2	63.4	65.2	66.4	67.8	69.1	70.4	71.2	72.0	72.9
42.5°	60.5	62.2	64.1	66.4	67.3	68.4	69.7	70.9	71.8	72.4	73.2
40°	61.9	63.5	64.9	66.9	68.3	69.0	70.3	71.5	72.5	72.9	73.6
37.5°	63.2	64.9	66.3	67.6	69.2	70.0	70.9	72.0	73.2	73.6	74.0
35°	64.7	66.1	67.6	68.6	70.0	70.9	71.5	72.6	73.9	74.3	74.4
32.5°	66.3	67.4	68.7	69.8	70.9	71.9	72.3	73.5	74.5	75.1	74.8
30°	67.8	69.0	70.0	70.9	72.0	72.8	73.5	74.5	75.3	75.9	75.3
27.5°	69.5	70.6	71.4	72.2	73.1	73.9	75.1	75.7	76.0	76.7	76.0
25°	71.6	72.3	72.9	73.5	74.1	76.4	76.9	77.1	77.0	77.4	76.8
22.5°	74.2	74.2	74.5	74.9	77.3	79.1	79.0	78.7	78.1	78.1	77.5
20°	77.3	76.4	77.2	80.1	81.1	82.0	81.3	80.3	79.3	78.8	78.2
17.5°	80.5	84.3	86.7	86.5	85.6	85.1	83.8	82.1	80.6	79.6	79.0
15°	101.7	101.5	97.9	93.8	90.4	88.5	86.5	83.9	82.0	80.4	80.4
12.5°	132.0	121.8	110.7	102.1	95.6	92.0	89.2	85.7	83.3	82.5	82.7
10°	166.2	144.4	124.6	110.9	100.9	95.7	92.0	89.2	87.4	85.7	85.0
7.5°	203.3	168.4	139.2	120.1	111.3	107.6	102.5	96.4	91.8	89.1	87.3
5°	300.9	266.0	217.7	178.9	148.8	129.0	114.4	103.7	96.3	92.4	89.7
2.5°	657.7	482.2	339.3	247.1	187.5	150.9	126.5	111.1	100.7	95.8	92.0
0°	1018.2	699.7	461.2	315.2	226.0	172.6	138.4	118.4	105.1	99.2	94.2
-2.5°	1487.8	1091.8	836.4	573.2	356.6	251.5	191.0	144.2	119.2	108.1	100.1
-5°	1937.0	1475.3	1195.8	816.9	481.5	327.8	241.5	169.1	132.9	116.8	105.9
-7.5°	2408.7	1849.0	1497.1	1027.4	596.9	399.6	287.9	192.3	146.0	125.2	111.4
-10°	2842.9	2192.1	1711.9	1161.2	717.5	482.5	332.7	213.2	158.3	133.1	116.8
-12.5°	3214.2	2491.7	1884.0	1273.8	828.4	573.8	398.8	253.0	172.1	140.5	121.8
-15°	3511.5	2738.7	2005.6	1363.1	924.3	655.3	457.4	298.1	202.7	152.5	126.5
-17.5°	3675.0	2925.0	2069.9	1427.3	1003.2	725.7	507.5	336.7	229.5	169.9	134.8
-20°	3621.2	2925.7	2083.0	1464.9	1063.5	783.8	548.2	367.8	252.0	185.3	145.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3534.8	2804.2	2075.6	1515.7	1113.4	828.3	578.6	390.6	269.4	198.6	154.7
-25°	3403.5	2677.7	2047.5	1544.0	1158.4	859.8	601.7	404.4	281.5	209.5	162.8
-27.5°	3245.1	2568.8	2008.4	1554.2	1186.3	877.0	616.4	418.6	290.3	217.7	169.3
-30°	3090.9	2508.9	1992.2	1552.5	1195.5	883.6	618.3	425.0	299.7	224.8	174.4
-32.5°	2997.8	2440.3	1965.6	1547.5	1190.8	878.0	615.1	423.0	305.2	230.5	179.0
-35°	2931.4	2385.6	1920.0	1519.8	1171.8	871.1	613.6	412.3	306.8	233.9	182.9
-37.5°	2824.6	2315.2	1866.5	1475.9	1136.8	854.3	612.6	419.6	304.3	234.9	185.6
-40°	2708.5	2221.6	1793.0	1420.5	1102.4	827.5	602.3	425.6	301.9	233.6	187.3
-42.5°	2559.0	2115.6	1713.4	1349.3	1061.7	805.4	584.8	422.8	304.9	232.9	187.8
-45°	2414.0	1995.4	1620.4	1294.8	1012.4	772.9	570.9	412.9	303.6	232.2	188.3
-47.5°	2251.7	1870.9	1526.3	1223.8	962.9	733.0	546.5	403.8	297.1	230.1	189.3
-50°	2092.3	1739.5	1425.7	1149.3	902.2	690.5	515.6	388.0	293.8	228.5	189.5
-52.5°	1938.3	1604.1	1320.3	1065.5	836.8	635.9	486.9	366.9	286.5	227.4	188.8
-55°	1773.0	1467.2	1209.4	973.4	761.1	587.3	450.5	351.4	275.5	226.0	187.3
-57.5°	1608.9	1327.8	1088.1	870.9	687.8	534.8	418.0	331.4	268.6	223.0	185.6
-60°	1431.5	1179.1	955.0	772.2	613.0	483.9	386.3	312.0	261.9	218.9	183.7
-62.5°	1245.0	1020.3	831.6	671.5	542.1	437.2	353.8	300.4	253.4	215.4	181.3
-65°	1055.8	868.2	703.6	582.2	475.6	392.0	336.0	286.8	246.5	210.9	178.7
-67.5°	861.4	725.6	598.5	492.9	421.7	364.4	315.4	275.8	239.4	205.6	176.4
-70°	715.5	597.6	505.8	438.6	382.7	335.8	300.6	265.5	231.4	202.2	173.8
-72.5°	593.9	516.3	445.1	388.2	352.8	318.8	286.3	255.4	226.6	198.4	170.7
-75°	501.7	450.2	403.8	363.9	331.7	301.2	275.5	249.2	221.5	194.1	168.7
-77.5°	455.9	413.7	373.9	342.0	317.0	292.1	267.5	242.5	216.5	191.6	166.9
-80°	418.5	386.9	357.2	329.9	306.1	282.5	260.1	237.7	213.1	188.8	164.8
-82.5°	389.5	365.2	341.8	319.1	297.3	275.8	254.4	233.1	209.3	185.7	162.6
-85°	372.0	350.9	330.1	309.6	289.0	268.6	248.5	228.3	205.6	183.0	160.7
-87.5°	355.6	337.5	319.6	301.8	282.3	262.7	243.2	223.6	201.8	180.1	158.4
-90°	50.0	52.5	55.0	57.5	59.6	61.7	63.8	65.9	67.4	68.8	70.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	135.1	122.8	110.5	98.2	85.9	81.3	76.7
87.5°	71.7	72.8	73.8	74.9	75.9	76.3	76.7
85°	71.7	72.8	73.8	74.9	75.9	76.3	76.7
82.5°	71.8	72.8	73.8	74.9	75.9	76.3	76.7
80°	71.8	72.8	73.9	74.9	75.9	76.3	76.7
77.5°	71.8	72.9	73.9	74.9	75.9	76.3	76.7
75°	71.9	72.9	73.9	75.0	75.9	76.3	76.7
72.5°	72.0	73.0	74.0	75.0	75.9	76.3	76.7
70°	72.1	73.1	74.0	75.0	75.9	76.3	76.7
67.5°	72.2	73.1	74.1	75.1	76.0	76.3	76.7
65°	72.3	73.2	74.2	75.1	76.0	76.3	76.7
62.5°	72.4	73.3	74.3	75.2	76.0	76.3	76.7
60°	72.5	73.4	74.4	75.3	76.0	76.4	76.7
57.5°	72.7	73.6	74.4	75.3	76.0	76.4	76.7
55°	72.8	73.7	74.5	75.4	76.1	76.4	76.7
52.5°	73.0	73.8	74.7	75.5	76.1	76.4	76.7
50°	73.1	74.0	74.8	75.6	76.2	76.4	76.7
47.5°	73.3	74.1	74.9	75.7	76.3	76.4	76.7
45°	73.6	74.3	75.0	75.8	76.3	76.4	76.7
42.5°	73.8	74.4	75.1	75.9	76.4	76.4	76.7
40°	74.1	74.6	75.3	76.0	76.5	76.4	76.7
37.5°	74.4	74.8	75.4	76.2	76.6	76.5	76.7
35°	74.8	75.0	75.6	76.3	76.7	76.5	76.7
32.5°	75.1	75.3	75.7	76.5	76.8	76.5	76.7
30°	75.5	75.6	75.9	76.8	76.9	76.5	76.7
27.5°	75.9	75.9	76.3	77.0	77.0	76.5	76.7
25°	76.3	76.2	76.8	77.3	77.2	76.5	76.7
22.5°	76.7	76.6	77.4	77.5	77.3	76.5	76.7
20°	77.1	77.6	78.0	77.8	77.4	76.6	76.7
17.5°	78.3	78.6	78.6	78.1	77.5	76.6	76.7
15°	79.9	79.6	79.3	78.4	77.7	76.6	76.7
12.5°	81.5	80.7	79.9	78.6	77.8	76.6	76.7
10°	83.2	81.7	80.6	78.9	77.9	76.6	76.7
7.5°	84.9	82.8	81.3	79.2	78.0	76.6	76.7
5°	86.7	83.8	82.0	79.5	78.2	76.7	76.7
2.5°	88.4	84.9	82.7	79.8	78.3	76.7	76.7
0°	90.1	85.9	83.4	80.1	78.4	76.7	76.7
-2.5°	94.1	88.2	85.0	81.1	79.0	77.0	76.7
-5°	98.0	90.4	86.6	82.2	79.5	77.2	76.7
-7.5°	101.7	92.7	88.1	83.2	80.1	77.5	76.7
-10°	105.2	94.8	89.6	84.1	80.7	77.7	76.7
-12.5°	108.5	96.9	91.0	85.1	81.2	78.0	76.7
-15°	111.5	98.8	92.3	86.0	81.7	78.2	76.7
-17.5°	114.1	100.7	93.6	86.9	82.2	78.4	76.7
-20°	118.1	102.5	94.8	87.7	82.7	78.7	76.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	124.4	104.2	95.9	88.5	83.1	78.9	76.7
-25°	130.0	107.9	96.9	89.2	83.6	79.1	76.7
-27.5°	135.0	112.2	97.9	89.9	84.0	79.3	76.7
-30°	139.2	116.2	98.9	90.6	84.4	79.5	76.7
-32.5°	142.8	119.7	101.4	91.1	84.8	79.7	76.7
-35°	146.6	122.9	103.6	91.6	85.1	79.9	76.7
-37.5°	150.2	125.7	105.6	92.1	85.4	80.1	76.7
-40°	153.2	128.0	107.4	92.5	85.7	80.3	76.7
-42.5°	155.6	130.0	109.0	93.1	85.9	80.4	76.7
-45°	157.3	131.5	110.5	94.2	86.2	80.6	76.7
-47.5°	158.3	132.6	111.7	95.2	86.3	80.7	76.7
-50°	158.9	133.3	112.7	96.1	86.5	80.8	76.7
-52.5°	159.0	133.7	113.5	96.9	86.6	81.0	76.7
-55°	158.6	134.0	114.0	97.7	86.7	81.1	76.7
-57.5°	157.5	134.0	114.3	98.3	86.8	81.1	76.7
-60°	156.1	133.8	114.4	98.8	86.8	81.2	76.7
-62.5°	154.8	133.1	114.7	99.1	86.9	81.3	76.7
-65°	153.2	132.2	114.9	99.4	87.0	81.3	76.7
-67.5°	151.1	131.4	114.8	99.6	87.0	81.4	76.7
-70°	148.6	130.9	114.7	99.6	87.0	81.4	76.7
-72.5°	147.1	130.2	114.4	99.7	86.9	81.4	76.7
-75°	145.5	129.3	113.9	99.8	86.8	81.5	76.7
-77.5°	143.8	128.1	113.6	99.7	86.7	81.5	76.7
-80°	141.7	127.2	113.2	99.6	86.6	81.4	76.7
-82.5°	140.3	126.3	112.7	99.3	86.5	81.4	76.7
-85°	138.7	125.3	112.0	99.0	86.3	81.4	76.7
-87.5°	137.0	124.1	111.3	98.7	86.1	81.4	76.7
-90°	71.7	72.8	73.8	74.9	75.9	76.3	76.7

(END OF REPORT)