

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: P1212105 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-1S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212105 (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: EPHESUS
Catalog Number: EPH-LS12-1000R-40-90-1S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 90 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

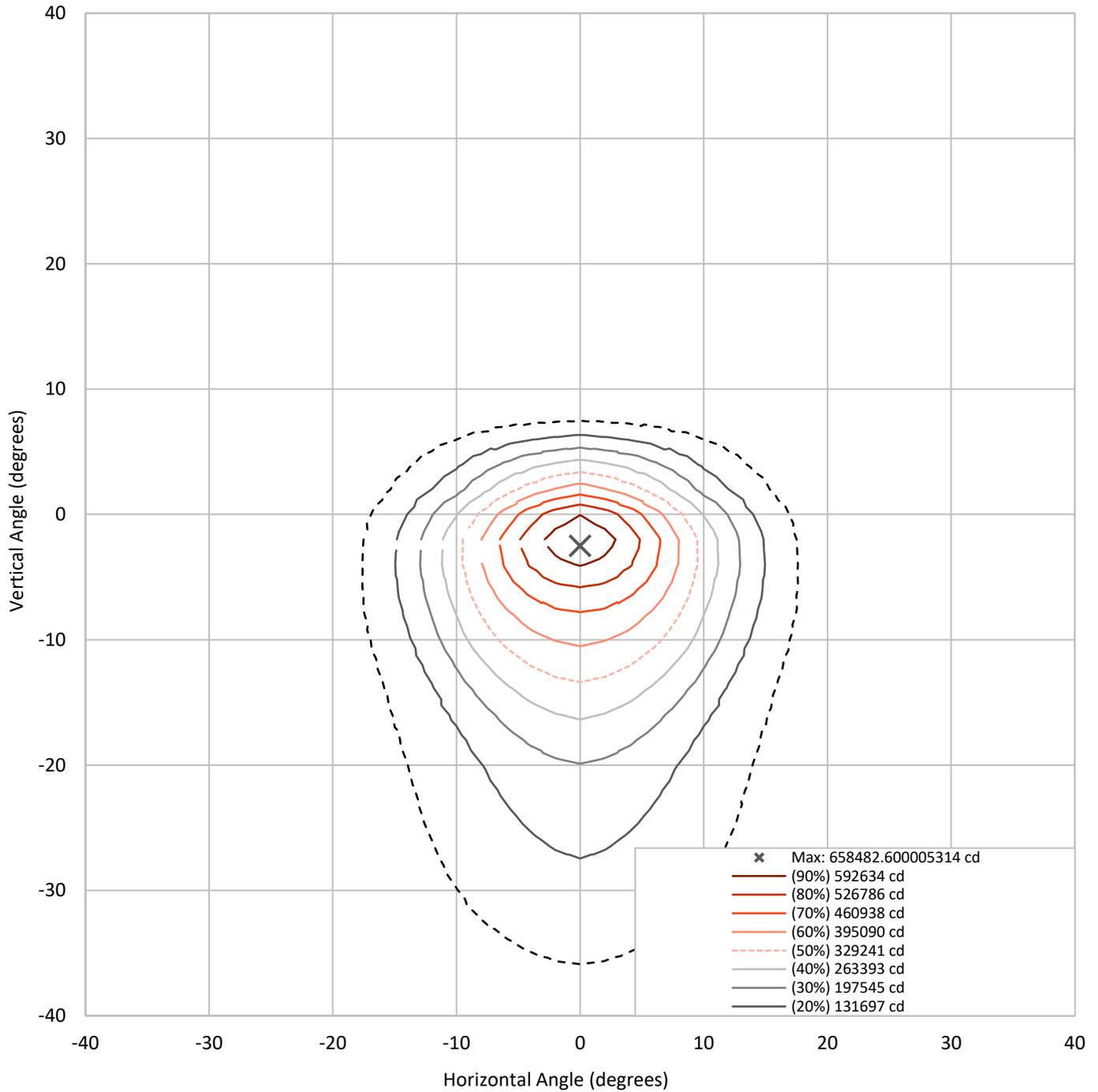
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	99728 lumens	Max Intensity:	658482.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	90.6 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:	33343.6 lumens	Field Lumens:	75038.1 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-40-90-1S-ECV

Iso-Candela Plot





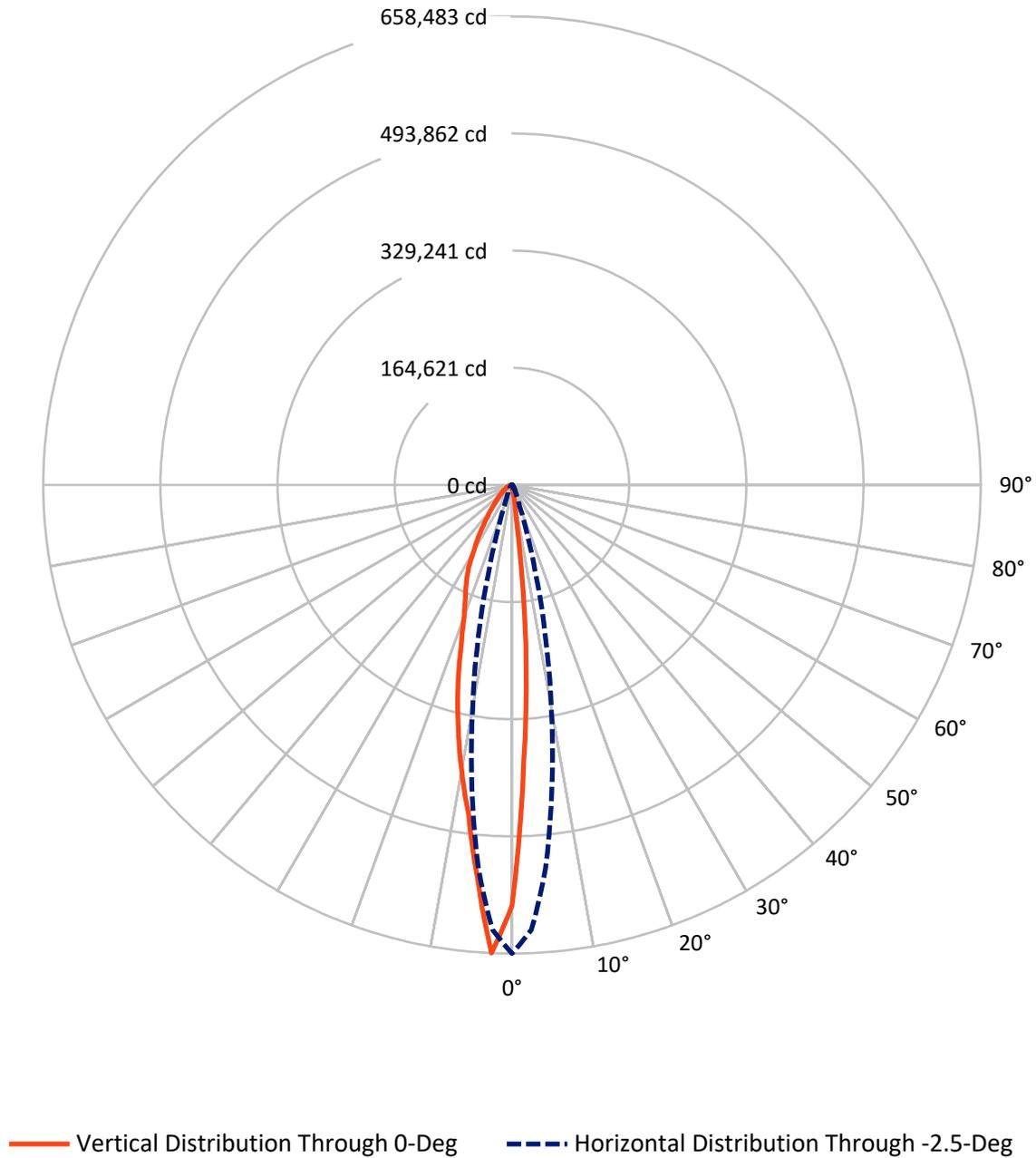
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Lumen Table

90	1.6		4.4		5.9		6.6		6.9		6.6		5.9		4.4		1.6		
80	1.6		4.4		5.9		6.6		6.9		6.6		5.9		4.4		1.6		
70	1.5	0.8	1.0	1.1	1.0	0.8	0.5	0.2	0.2	0.5	0.8	1.0	1.1	1.0	0.8	1.5			
60		0.9	1.1	1.1	1.0	0.8	0.5	0.2	0.2	0.5	0.8	1.0	1.1	1.1	0.9				
50	1.5	0.9	1.1	1.2	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.2	1.1	0.9	1.5			
40		0.9	1.2	1.3	1.3	1.1	0.8	0.3	0.3	0.8	1.1	1.3	1.3	1.2	0.9				
30	1.6	1.0	1.3	1.5	1.6	1.7	1.4	0.6	0.6	1.4	1.7	1.6	1.5	1.3	1.0	1.6			
20		1.1	1.6	2.4	3.4	5.2	4.8	5.2	5.2	4.8	5.2	3.4	2.4	1.6	1.1				
10	1.9	1.4	3.6	12.2	37.1	132.9	1328.7	5429.4	5429.4	1328.7	132.9	37.1	12.2	3.6	1.4	1.9			
0		2.5	14.7	53.4	153.5	471.8	3929.1	13520.0	13520.0	3929.1	471.8	153.5	53.4	14.7	2.5				
-10	2.5	4.5	26.0	93.8	229.3	567.1	2398.7	7417.9	7417.9	2398.7	567.1	229.3	93.8	26.0	4.5	2.5			
-20		6.0	28.6	93.3	235.1	543.4	1510.7	3770.9	3770.9	1510.7	543.4	235.1	93.3	28.6	6.0				
-30	3.0	6.2	27.2	77.8	202.4	450.5	985.6	1915.8	1915.8	985.6	450.5	202.4	77.8	27.2	6.2	3.0			
-40		5.8	23.2	63.4	145.0	307.0	597.5	898.6	898.6	597.5	307.0	145.0	63.4	23.2	5.8				
-50	3.1	4.8	17.3	46.1	98.6	187.7	330.3	449.4	449.4	330.3	187.7	98.6	46.1	17.3	4.8	3.1			
-60		3.8	10.6	27.4	56.0	100.6	161.1	205.1	205.1	161.1	100.6	56.0	27.4	10.6	3.8				
-70	2.8	3.8	10.6	27.4	56.0	100.6	161.1	205.1	205.1	161.1	100.6	56.0	27.4	10.6	3.8	2.8			
-80		17.3	57.2	154.4	235.8	154.4	57.2	17.3											
-90	2.8		17.3		57.2		154.4		235.8		154.4		57.2		17.3		2.8		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

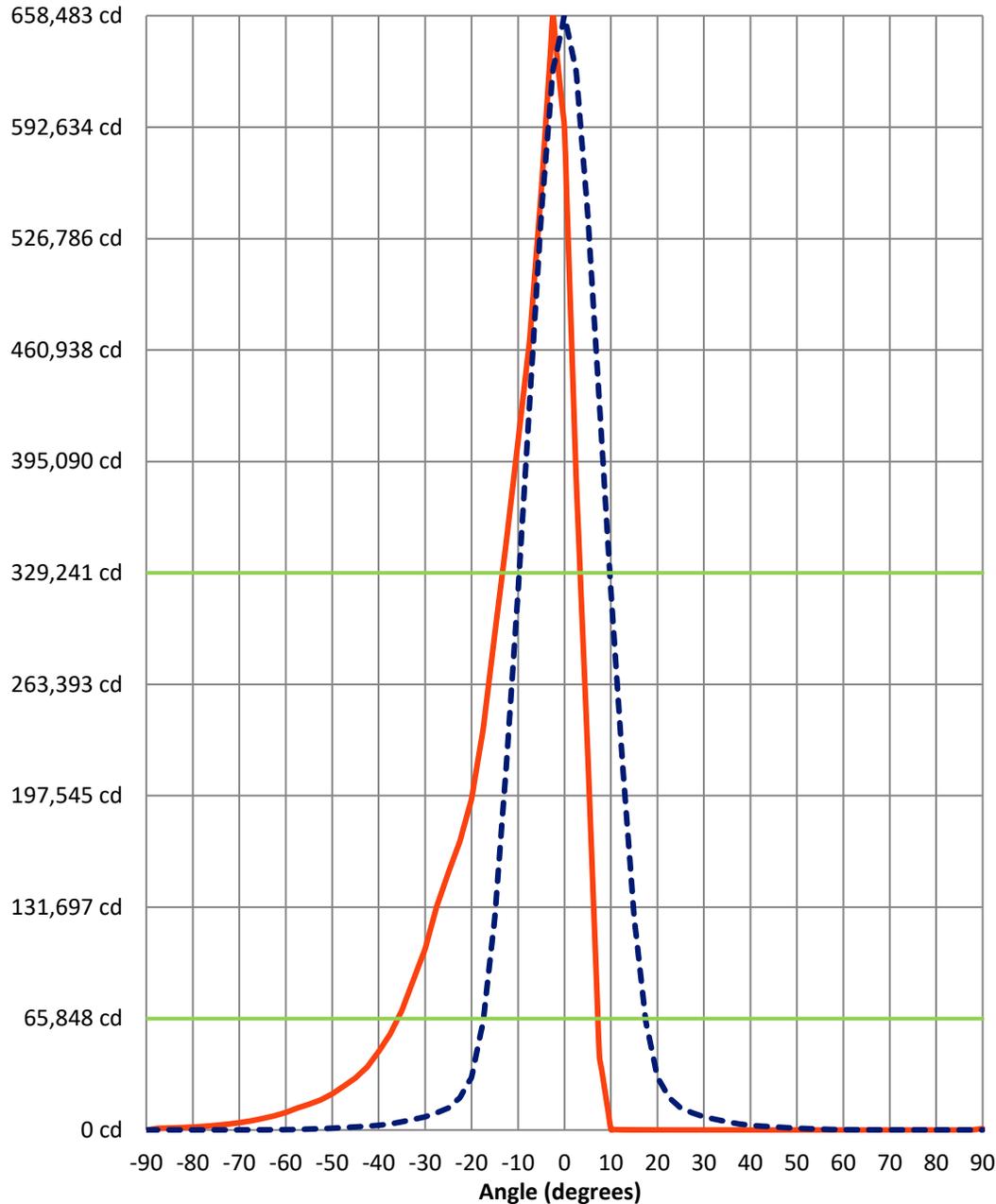
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CATALOG NUMBER: EPH-LS12-1000R-40-90-1S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 19.5°
 V Angle: 16.7°
 Lumens: 33343.6
 Efficiency: 33.4%

Field:
 H Angle: 34.9°
 V Angle: 43.1°
 Lumens: 75038.1
 Efficiency: 75.2%

Spill:
 Lumens: 24689.9
 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°	75.7	80.2	84.8	96.9	109.0	121.2	133.3	153.9	174.4	195.0	215.6
87.5°	75.7	75.3	74.9	73.9	72.9	71.8	70.8	69.4	67.9	66.5	65.0
85°	75.7	75.3	74.9	73.9	72.9	71.8	70.8	69.4	67.9	66.5	65.0
82.5°	75.7	75.3	74.9	73.9	72.9	71.9	70.9	69.4	68.0	66.6	65.1
80°	75.7	75.3	74.9	73.9	72.9	71.9	70.9	69.5	68.1	66.6	65.2
77.5°	75.7	75.3	74.9	73.9	72.9	71.9	70.9	69.6	68.2	66.7	65.3
75°	75.7	75.3	74.9	74.0	73.0	72.0	71.0	69.7	68.3	66.9	65.4
72.5°	75.7	75.3	74.9	74.0	73.0	72.1	71.1	69.8	68.4	67.0	65.6
70°	75.7	75.3	74.9	74.1	73.1	72.1	71.2	69.9	68.5	67.2	65.8
67.5°	75.7	75.3	75.0	74.1	73.2	72.2	71.2	70.1	68.7	67.4	66.0
65°	75.7	75.3	75.0	74.2	73.2	72.3	71.4	70.3	68.9	67.6	66.2
62.5°	75.7	75.3	75.0	74.2	73.3	72.4	71.5	70.4	69.1	67.8	66.5
60°	75.7	75.4	75.0	74.3	73.4	72.5	71.6	70.6	69.4	68.1	66.7
57.5°	75.7	75.4	75.0	74.4	73.5	72.6	71.7	70.8	69.6	68.3	67.0
55°	75.7	75.4	75.1	74.4	73.6	72.7	71.9	71.0	69.9	68.6	67.4
52.5°	75.7	75.4	75.1	74.5	73.7	72.9	72.0	71.2	70.2	68.9	67.7
50°	75.7	75.4	75.2	74.6	73.8	73.0	72.2	71.4	70.5	69.3	68.2
47.5°	75.7	75.4	75.3	74.7	73.9	73.1	72.4	71.7	70.8	69.7	68.8
45°	75.7	75.4	75.3	74.8	74.0	73.3	72.6	72.0	71.1	70.2	69.4
42.5°	75.7	75.4	75.4	74.9	74.2	73.5	72.9	72.3	71.5	70.8	70.0
40°	75.7	75.4	75.5	75.0	74.3	73.6	73.2	72.6	71.9	71.5	70.5
37.5°	75.7	75.5	75.6	75.2	74.4	73.8	73.5	73.0	72.6	72.2	71.0
35°	75.7	75.5	75.7	75.3	74.6	74.0	73.8	73.4	73.3	72.9	71.6
32.5°	75.7	75.5	75.8	75.5	74.7	74.3	74.2	73.8	74.1	73.5	72.5
30°	75.7	75.5	75.9	75.8	74.9	74.6	74.5	74.3	74.9	74.2	73.5
27.5°	75.7	75.5	76.0	76.0	75.3	74.9	74.9	75.0	75.7	75.0	74.7
25°	75.7	75.5	76.2	76.2	75.8	75.2	75.3	75.7	76.3	76.0	76.0
22.5°	75.7	75.5	76.3	76.5	76.4	75.6	75.7	76.4	77.0	77.1	77.6
20°	75.7	75.6	76.4	76.7	76.9	76.6	76.1	77.1	77.8	78.3	79.3
17.5°	75.7	75.6	76.5	77.0	77.6	77.6	77.2	77.9	78.5	79.5	81.0
15°	75.7	75.6	76.7	77.3	78.2	78.6	78.8	79.3	79.3	80.9	82.7
12.5°	75.7	75.6	76.8	77.6	78.9	79.6	80.4	81.6	81.4	82.2	84.5
10°	75.7	75.6	76.9	77.9	79.6	80.7	82.1	83.9	84.6	86.2	88.0
7.5°	75.7	75.6	77.0	78.2	80.3	81.7	83.8	86.2	87.9	90.6	95.1
5°	75.7	75.7	77.2	78.4	81.0	82.7	85.5	88.5	91.2	95.0	102.4
2.5°	75.7	75.7	77.3	78.7	81.6	83.8	87.2	90.8	94.6	99.4	109.7
0°	75.7	75.7	77.4	79.0	82.3	84.8	88.9	93.0	97.9	103.7	116.9
-2.5°	75.7	76.0	78.0	80.0	83.9	87.1	92.8	98.8	106.7	117.6	142.4
-5°	75.7	76.2	78.5	81.0	85.4	89.3	96.7	104.5	115.3	131.1	166.9
-7.5°	75.7	76.4	79.1	82.0	86.9	91.5	100.4	110.0	123.5	144.1	189.8
-10°	75.7	76.7	79.6	83.0	88.4	93.6	103.8	115.2	131.4	156.2	210.5
-12.5°	75.7	76.9	80.1	83.9	89.8	95.6	107.1	120.2	138.7	169.8	249.7
-15°	75.7	77.2	80.7	84.8	91.1	97.6	110.0	124.8	150.5	200.1	294.2
-17.5°	75.7	77.4	81.1	85.7	92.4	99.4	112.6	133.0	167.7	226.5	332.3
-20°	75.7	77.6	81.6	86.5	93.6	101.2	116.5	143.4	182.9	248.7	363.0



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CATALOG NUMBER: EPH-LS12-1000R-40-90-1S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	75.7	77.9	82.1	87.3	94.7	102.8	122.7	152.7	196.0	265.9	385.5
-25°	75.7	78.1	82.5	88.0	95.7	106.5	128.3	160.6	206.7	277.8	399.1
-27.5°	75.7	78.3	82.9	88.7	96.6	110.8	133.2	167.1	214.8	286.5	413.1
-30°	75.7	78.5	83.3	89.3	97.6	114.7	137.4	172.1	221.8	295.8	419.5
-32.5°	75.7	78.7	83.6	89.9	100.0	118.2	140.9	176.7	227.5	301.3	417.5
-35°	75.7	78.9	84.0	90.4	102.2	121.3	144.7	180.5	230.8	302.8	406.9
-37.5°	75.7	79.1	84.3	90.9	104.2	124.0	148.3	183.2	231.9	300.4	414.2
-40°	75.7	79.2	84.6	91.3	105.9	126.4	151.2	184.8	230.5	298.0	420.0
-42.5°	75.7	79.4	84.8	91.9	107.5	128.3	153.6	185.4	229.9	301.0	417.3
-45°	75.7	79.5	85.0	93.0	109.0	129.8	155.2	185.8	229.2	299.7	407.6
-47.5°	75.7	79.7	85.2	93.9	110.2	130.9	156.3	186.9	227.1	293.2	398.6
-50°	75.7	79.8	85.4	94.8	111.2	131.6	156.9	187.1	225.5	290.0	382.9
-52.5°	75.7	79.9	85.5	95.7	112.0	131.9	156.9	186.4	224.5	282.8	362.1
-55°	75.7	80.0	85.6	96.4	112.5	132.2	156.5	184.9	223.0	271.9	346.9
-57.5°	75.7	80.1	85.6	97.0	112.8	132.3	155.4	183.2	220.1	265.1	327.1
-60°	75.7	80.2	85.7	97.4	112.9	132.0	154.0	181.3	216.1	258.4	308.0
-62.5°	75.7	80.2	85.7	97.8	113.2	131.4	152.8	178.9	212.5	250.0	296.5
-65°	75.7	80.3	85.8	98.1	113.3	130.5	151.1	176.3	208.1	243.3	283.0
-67.5°	75.7	80.3	85.8	98.2	113.3	129.7	149.1	174.1	202.9	236.3	272.2
-70°	75.7	80.4	85.8	98.3	113.2	129.2	146.6	171.5	199.5	228.3	262.1
-72.5°	75.7	80.4	85.8	98.4	112.8	128.5	145.2	168.5	195.8	223.7	252.0
-75°	75.7	80.4	85.7	98.4	112.4	127.5	143.6	166.5	191.6	218.6	246.0
-77.5°	75.7	80.4	85.6	98.4	112.0	126.4	141.9	164.7	189.0	213.7	239.4
-80°	75.7	80.4	85.5	98.2	111.7	125.5	139.9	162.6	186.3	210.3	234.6
-82.5°	75.7	80.4	85.3	98.0	111.2	124.6	138.4	160.4	183.3	206.6	230.1
-85°	75.7	80.3	85.2	97.7	110.6	123.6	136.8	158.5	180.6	202.9	225.3
-87.5°	75.7	80.3	85.0	97.4	109.9	122.4	135.1	156.3	177.7	199.1	220.7
-90°	75.7	75.3	74.9	73.9	72.9	71.8	70.8	69.4	67.9	66.5	65.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	234.3	253.0	271.8	290.5	305.5	320.6	335.6	350.6	368.9	387.3	405.6
87.5°	63.0	60.9	58.9	56.8	54.4	51.9	49.4	46.9	44.3	41.6	38.9
85°	63.0	61.0	58.9	56.9	54.4	52.0	49.5	47.0	44.3	41.7	39.0
82.5°	63.1	61.1	59.0	57.0	54.6	52.1	49.6	47.1	44.5	41.8	39.1
80°	63.2	61.2	59.2	57.1	54.7	52.3	49.8	47.3	44.7	42.0	39.3
77.5°	63.4	61.4	59.4	57.3	55.0	52.5	50.1	47.6	45.0	42.3	39.6
75°	63.6	61.6	59.6	57.6	55.3	52.8	50.4	47.9	45.3	42.6	39.9
72.5°	63.8	61.9	59.8	57.8	55.6	53.2	50.7	48.2	45.7	43.0	40.3
70°	64.1	62.1	60.2	58.2	56.0	53.6	51.1	48.7	46.1	43.4	40.7
67.5°	64.4	62.5	60.5	58.5	56.5	54.0	51.6	49.1	46.6	44.0	41.2
65°	64.8	62.9	60.9	58.9	57.0	54.6	52.1	49.7	47.2	44.5	41.8
62.5°	65.1	63.3	61.3	59.4	57.4	55.2	52.7	50.3	47.8	45.2	42.5
60°	65.4	63.7	61.8	59.9	57.9	55.8	53.4	51.0	48.5	45.9	43.2
57.5°	65.8	64.2	62.3	60.4	58.5	56.5	54.1	51.7	49.2	46.7	44.0
55°	66.1	64.7	62.9	61.0	59.1	57.2	54.9	52.5	50.1	47.6	44.9
52.5°	66.6	65.3	63.5	61.7	59.8	57.9	55.8	53.4	51.0	48.5	45.9
50°	67.1	65.8	64.2	62.4	60.6	58.8	56.7	54.4	52.0	49.5	46.9
47.5°	67.6	66.3	64.9	63.2	61.6	59.7	57.6	55.4	53.0	50.7	48.1
45°	68.2	66.8	65.5	64.3	62.6	60.4	58.6	56.5	54.5	52.2	49.8
42.5°	68.7	67.4	66.4	65.5	63.2	61.4	59.7	58.1	56.1	53.7	51.1
40°	69.3	68.1	67.4	66.0	64.1	62.7	61.1	59.5	57.6	55.1	52.3
37.5°	69.9	69.0	68.3	66.7	65.4	64.0	62.4	60.8	58.9	56.6	53.9
35°	70.5	69.9	69.0	67.7	66.7	65.2	63.9	62.3	60.3	58.2	55.8
32.5°	71.3	70.9	70.0	68.9	67.8	66.5	65.5	63.7	61.9	60.0	58.2
30°	72.5	71.8	71.0	70.0	69.0	68.1	67.0	65.3	63.9	62.3	60.4
27.5°	74.1	72.9	72.1	71.2	70.4	69.8	68.6	67.4	66.0	64.6	62.9
25°	75.9	75.3	73.1	72.5	72.0	71.4	70.6	70.0	68.4	67.4	66.1
22.5°	77.9	78.0	76.2	73.9	73.5	73.3	73.3	73.0	72.1	71.0	69.5
20°	80.2	80.9	80.0	79.0	76.2	75.3	76.2	76.2	76.8	77.3	76.0
17.5°	82.7	84.0	84.4	85.3	85.5	83.1	79.4	79.8	82.3	85.6	89.8
15°	85.3	87.3	89.2	92.6	96.6	100.2	100.4	92.3	89.3	96.7	108.1
12.5°	88.1	90.8	94.3	100.7	109.2	120.2	130.2	138.9	141.6	131.3	133.4
10°	90.9	94.5	99.6	109.5	123.0	142.5	164.1	193.6	224.4	255.1	275.1
7.5°	101.2	106.2	109.8	118.5	137.4	166.3	200.6	254.1	316.4	394.8	475.6
5°	113.0	127.3	146.8	176.6	214.9	262.6	297.0	321.1	413.7	543.9	691.3
2.5°	124.9	148.9	185.0	243.9	334.8	475.9	649.1	828.8	1007.0	1235.9	1481.6
0°	136.6	170.4	223.0	311.1	455.1	690.5	1004.9	1340.7	1699.6	2183.5	2766.2
-2.5°	188.6	248.3	351.9	565.7	825.4	1077.5	1468.3	1870.2	2276.1	2814.4	3621.4
-5°	238.3	323.6	475.3	806.3	1180.1	1456.0	1911.7	2379.0	2872.2	3530.3	4542.5
-7.5°	284.2	394.5	589.2	1014.0	1477.5	1824.9	2377.2	2982.1	3636.7	4442.1	5541.1
-10°	328.4	476.3	708.2	1146.0	1689.5	2163.5	2805.8	3536.0	4332.2	5274.2	6450.6
-12.5°	393.6	566.3	817.6	1257.1	1859.3	2459.2	3172.3	4028.2	4941.3	6009.8	7158.7
-15°	451.5	646.8	912.2	1345.3	1979.3	2702.9	3465.7	4448.7	5363.4	6325.4	7387.5
-17.5°	500.9	716.3	990.1	1408.7	2042.8	2886.8	3627.1	4563.6	5517.7	6501.7	7579.4
-20°	541.1	773.6	1049.7	1445.8	2055.7	2887.5	3574.0	4491.2	5550.8	6625.1	7677.9



REPORT NUMBER: P1212105 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-1S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	571.1	817.5	1098.9	1496.0	2048.4	2767.5	3488.7	4321.1	5448.5	6690.7	7789.1
-25°	593.9	848.6	1143.3	1523.8	2020.7	2642.6	3359.1	4075.0	5203.5	6575.3	7911.8
-27.5°	608.4	865.6	1170.8	1533.9	1982.2	2535.2	3202.8	3898.3	4899.3	6305.1	7873.9
-30°	610.3	872.1	1179.9	1532.3	1966.3	2476.1	3050.5	3763.5	4547.4	5851.5	7416.1
-32.5°	607.1	866.6	1175.2	1527.4	1940.0	2408.5	2958.6	3654.5	4396.7	5218.8	6758.7
-35°	605.6	859.8	1156.4	1500.0	1894.9	2354.5	2893.1	3518.7	4240.2	4947.2	6079.7
-37.5°	604.6	843.1	1121.9	1456.6	1842.1	2285.0	2787.8	3381.6	4051.7	4833.1	5721.6
-40°	594.5	816.7	1088.0	1401.9	1769.6	2192.6	2673.2	3216.2	3843.3	4646.7	5541.5
-42.5°	577.2	794.9	1047.9	1331.6	1691.1	2088.0	2525.6	3037.7	3651.5	4397.2	5235.2
-45°	563.5	762.8	999.2	1277.9	1599.3	1969.4	2382.5	2835.2	3433.0	4095.2	4867.3
-47.5°	539.4	723.5	950.4	1207.8	1506.3	1846.5	2222.3	2674.9	3185.2	3789.8	4445.3
-50°	508.9	681.5	890.5	1134.3	1407.1	1716.8	2065.0	2492.9	2968.7	3478.2	4056.7
-52.5°	480.6	627.6	825.9	1051.6	1303.1	1583.2	1913.0	2300.2	2733.2	3200.3	3715.2
-55°	444.6	579.6	751.2	960.7	1193.6	1448.0	1749.9	2100.8	2477.4	2905.2	3377.5
-57.5°	412.5	527.8	678.8	859.6	1074.0	1310.4	1587.9	1890.4	2232.9	2601.0	3018.6
-60°	381.3	477.5	605.0	762.2	942.6	1163.8	1412.8	1685.4	1981.0	2296.8	2657.2
-62.5°	349.1	431.5	535.0	662.7	820.8	1007.0	1228.8	1469.6	1724.7	2001.1	2296.2
-65°	331.6	386.8	469.3	574.6	694.4	856.9	1042.0	1246.1	1472.0	1699.1	1942.0
-67.5°	311.2	359.7	416.1	486.5	590.7	716.1	850.2	1022.6	1210.3	1396.5	1588.4
-70°	296.6	331.4	377.7	432.9	499.1	589.7	706.2	829.7	961.4	1109.9	1277.7
-72.5°	282.5	314.6	348.2	383.2	439.3	509.6	586.2	668.7	774.7	898.8	1024.1
-75°	271.9	297.3	327.3	359.1	398.5	444.4	495.2	562.8	644.3	734.8	827.5
-77.5°	264.0	288.3	312.8	337.5	369.0	408.3	449.9	493.7	550.6	615.0	682.5
-80°	256.7	278.8	302.0	325.6	352.5	381.9	413.0	445.8	489.6	539.5	593.6
-82.5°	251.1	272.2	293.4	314.9	337.3	360.4	384.4	410.8	446.5	484.7	524.4
-85°	245.3	265.1	285.3	305.6	325.7	346.3	367.1	388.3	415.7	444.1	473.1
-87.5°	240.0	259.3	278.6	297.9	315.4	333.1	350.9	369.0	391.1	413.5	436.0
-90°	63.0	60.9	58.9	56.8	54.3	51.9	49.4	46.9	44.2	41.6	38.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	423.9	452.1	480.3	508.4	536.6	575.3	614.0	652.6	691.3	729.0	766.7
87.5°	36.2	33.6	30.9	28.2	25.5	22.8	20.2	17.5	14.8	12.6	10.3
85°	36.3	33.6	31.0	28.3	25.6	22.9	20.2	17.5	14.9	12.4	9.9
82.5°	36.4	33.8	31.1	28.4	25.7	23.0	20.3	17.6	14.9	12.4	9.9
80°	36.6	34.0	31.3	28.6	25.9	23.2	20.5	17.7	15.0	12.5	10.0
77.5°	36.9	34.2	31.4	28.5	25.7	22.9	20.1	17.3	14.5	12.1	9.7
75°	37.2	34.4	31.5	28.7	25.9	23.1	20.3	17.5	14.6	12.1	9.8
72.5°	37.6	34.8	32.1	29.4	26.6	23.8	21.0	18.1	15.4	12.8	10.3
70°	38.0	35.3	32.5	29.8	27.0	24.2	21.3	18.3	15.3	12.6	10.1
67.5°	38.5	35.8	33.0	30.2	27.4	24.5	21.5	18.4	15.3	12.6	10.2
65°	39.1	36.3	33.5	30.7	27.9	24.8	21.7	18.6	15.6	12.9	10.4
62.5°	39.7	36.9	34.1	31.0	27.9	24.7	21.8	18.9	15.9	13.1	10.3
60°	40.4	37.6	34.7	31.6	28.5	25.3	22.3	19.4	16.3	13.4	10.8
57.5°	41.2	38.4	35.5	32.4	29.2	26.0	22.9	19.9	16.8	13.8	11.1
55°	42.1	39.3	36.4	33.3	30.0	26.8	23.6	20.5	17.3	14.2	11.4
52.5°	43.1	40.2	37.3	34.2	31.0	27.7	24.3	21.1	17.9	14.7	11.8
50°	44.1	41.3	38.4	35.3	32.0	28.6	25.2	21.9	18.6	15.2	12.1
47.5°	45.6	42.9	39.6	36.4	33.1	29.7	26.2	22.7	19.3	15.9	12.5
45°	47.3	43.9	40.7	37.7	34.4	30.9	27.3	23.7	20.2	16.6	13.1
42.5°	48.1	45.1	42.1	39.0	35.8	32.2	28.5	24.7	21.1	17.4	13.7
40°	49.5	46.6	43.6	40.5	37.3	33.7	29.9	26.0	22.2	18.4	14.4
37.5°	51.2	48.4	45.5	42.5	39.0	35.3	31.5	27.8	24.1	19.6	15.3
35°	53.4	50.6	47.9	44.5	41.0	37.2	33.5	29.5	24.8	20.8	16.4
32.5°	55.6	53.0	50.0	47.0	43.6	39.9	35.9	32.4	28.1	24.0	19.8
30°	57.9	55.5	53.3	50.3	47.1	44.3	41.2	38.5	35.4	31.2	26.6
27.5°	60.9	59.4	57.6	54.4	52.9	51.2	50.2	48.3	45.1	41.3	32.4
25°	64.7	64.2	61.5	60.7	60.9	61.2	60.0	58.0	50.4	41.6	30.1
22.5°	69.3	68.5	67.7	69.0	70.8	72.0	69.0	62.9	49.1	34.5	26.1
20°	74.1	73.9	76.9	82.2	84.6	87.8	81.1	64.8	48.0	45.6	44.9
17.5°	89.5	82.7	93.1	107.9	115.3	105.8	93.6	72.8	64.8	65.4	63.1
15°	117.4	121.8	131.8	147.8	156.7	143.1	113.3	106.7	100.6	106.8	112.9
12.5°	155.8	182.1	224.5	260.2	210.6	194.5	190.0	176.3	180.4	185.9	198.1
10°	276.2	261.0	357.9	467.9	559.6	606.8	322.8	467.4	612.0	676.3	466.3
7.5°	585.0	792.2	955.1	1005.4	1105.1	2048.2	3298.7	4691.5	6499.2	13563.6	15730.4
5°	928.9	1458.2	2009.5	2770.9	3422.7	4951.5	8140.8	19550.6	33125.0	59737.8	98175.2
2.5°	1864.7	2627.9	3410.9	4798.1	6165.3	8682.6	13478.0	29400.3	59772.7	106713.0	156061.2
0°	3660.8	4975.2	6262.4	8482.1	10507.6	15404.6	24663.6	52201.3	100827.3	177594.3	260314.3
-2.5°	4883.5	6319.5	7823.1	10199.3	13058.9	19223.2	31335.0	64363.9	125766.4	216438.0	318263.7
-5°	5970.5	7593.7	9422.2	12045.6	15267.2	20869.4	33543.7	63742.0	124282.1	208978.5	302020.5
-7.5°	6954.3	8720.4	10829.0	13602.5	17068.4	22353.9	34792.2	63070.7	113498.0	188243.7	270745.2
-10°	7863.4	9647.9	11914.6	14676.1	18339.5	23407.8	32118.9	54831.1	96124.6	162494.0	236770.0
-12.5°	8578.8	10398.2	12701.3	15292.6	18934.5	24202.7	32436.6	49595.2	81199.5	127921.5	193608.0
-15°	9012.0	10982.3	13309.3	16002.2	19658.3	24587.2	31424.5	44214.5	68185.9	106356.4	153027.0
-17.5°	9167.4	11287.4	13661.2	16407.4	19776.4	24490.7	31478.2	41699.5	60356.2	90719.9	123497.1
-20°	9066.9	11271.2	13657.7	16399.6	19845.3	24297.2	30051.5	40384.3	56056.8	79092.5	105153.6



REPORT NUMBER: P1212105 (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°	9128.1	11043.1	13391.6	16168.1	19668.2	23769.0	29326.5	38502.8	51141.7	71117.9	93205.5
-25°	9152.5	10658.5	13069.3	15991.7	19218.2	23001.1	28621.8	35524.1	48109.2	65062.1	84935.2
-27.5°	9137.4	10635.4	12694.9	15494.6	18550.5	22286.9	27116.4	33468.7	44385.5	57250.0	74990.0
-30°	9129.9	10666.3	12527.4	14733.6	17817.4	21332.9	25145.6	31611.8	40305.7	50944.5	65128.3
-32.5°	8711.2	10661.6	12293.5	14283.0	16796.5	20003.3	23800.4	29334.6	35911.8	44934.9	55944.1
-35°	8020.6	10039.4	12075.6	13814.6	15878.9	18495.3	22170.3	26729.2	31728.3	39267.0	47566.1
-37.5°	7015.8	9045.7	11118.1	13221.0	15096.8	17201.2	20423.6	24091.1	28335.7	34051.0	40254.2
-40°	6480.7	7673.1	9761.7	11883.9	13917.7	16378.7	18944.6	21759.5	25355.1	29678.3	34181.2
-42.5°	6154.5	7168.7	8293.6	10085.2	12213.3	14733.0	17231.5	19793.4	22888.5	26179.2	29523.9
-45°	5719.8	6705.7	7751.3	8864.0	10316.3	12630.0	15036.4	17545.9	20304.9	23078.9	25609.2
-47.5°	5256.0	6149.3	7108.0	8120.3	9523.6	11118.2	12851.5	14900.7	17378.6	19867.8	21948.7
-50°	4773.2	5562.4	6424.2	7378.7	8601.6	9941.0	11371.1	13125.5	15005.2	16923.5	18379.1
-52.5°	4291.8	4984.1	5728.2	6601.5	7625.3	8726.1	9926.5	11473.3	13053.2	14641.5	15714.8
-55°	3892.9	4449.2	5037.6	5819.0	6666.5	7546.2	8560.1	9845.5	11170.5	12516.7	13429.2
-57.5°	3477.6	3957.5	4484.7	5130.3	5805.9	6505.9	7363.6	8361.3	9395.6	10419.6	11133.3
-60°	3048.9	3469.0	3942.2	4476.4	5043.2	5636.9	6332.8	7083.0	7860.2	8594.3	9124.3
-62.5°	2609.4	2957.2	3378.0	3825.1	4280.2	4757.8	5351.0	5952.7	6556.5	7084.3	7459.6
-65°	2204.8	2487.0	2832.4	3199.4	3583.2	3995.7	4470.3	4951.3	5434.2	5839.7	6144.9
-67.5°	1803.2	2037.2	2316.7	2601.8	2905.9	3247.1	3638.1	4032.1	4425.7	4743.9	4994.6
-70°	1445.0	1627.0	1839.4	2063.1	2307.7	2585.4	2898.1	3207.5	3512.3	3745.5	3934.5
-72.5°	1150.4	1297.4	1473.9	1663.5	1851.8	2071.6	2316.5	2563.1	2809.9	2993.7	3149.3
-75°	922.1	1037.2	1175.8	1319.4	1466.8	1645.9	1840.5	2037.3	2234.8	2385.5	2519.9
-77.5°	759.4	855.2	957.6	1061.5	1166.5	1299.4	1440.5	1582.0	1723.4	1837.0	1944.2
-80°	649.9	723.4	801.4	880.7	961.0	1066.3	1177.1	1289.0	1401.6	1493.0	1581.3
-82.5°	565.4	623.7	684.8	747.0	809.9	891.5	975.5	1060.3	1145.4	1218.3	1290.0
-85°	502.8	548.3	595.3	643.0	691.2	754.0	817.7	881.6	945.7	1004.9	1063.9
-87.5°	458.7	494.3	530.2	566.4	602.7	652.7	703.0	753.4	803.9	849.9	895.7
-90°	36.2	33.5	30.9	28.2	25.5	22.8	20.2	17.5	14.8	12.6	10.3



REPORT NUMBER: P1212105 (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°	804.3	842.0	853.9	865.8	853.9	842.0	804.3	766.7	729.0	691.3	652.6
87.5°	8.1	5.8	3.7	1.6	3.7	5.8	8.1	10.3	12.6	14.8	17.5
85°	7.4	4.9	3.3	1.6	3.3	4.9	7.4	9.9	12.4	14.9	17.5
82.5°	7.4	4.9	3.3	1.6	3.3	4.9	7.4	9.9	12.4	14.9	17.6
80°	7.5	5.0	3.3	1.6	3.3	5.0	7.5	10.0	12.5	15.0	17.7
77.5°	7.3	5.0	3.3	1.6	3.3	5.0	7.3	9.7	12.1	14.5	17.3
75°	7.4	5.1	2.9	0.8	2.9	5.1	7.4	9.8	12.1	14.6	17.5
72.5°	7.7	5.1	3.8	2.5	3.8	5.1	7.7	10.3	12.8	15.4	18.1
70°	7.6	5.2	3.4	1.6	3.4	5.2	7.6	10.1	12.6	15.3	18.3
67.5°	7.7	5.3	3.4	1.6	3.4	5.3	7.7	10.2	12.6	15.3	18.4
65°	7.9	5.4	3.1	0.8	3.1	5.4	7.9	10.4	12.9	15.6	18.6
62.5°	7.6	4.8	2.7	0.8	2.7	4.8	7.6	10.3	13.1	15.9	18.9
60°	8.2	5.6	3.5	1.6	3.5	5.6	8.2	10.8	13.4	16.3	19.4
57.5°	8.4	5.7	3.2	0.8	3.2	5.7	8.4	11.1	13.8	16.8	19.9
55°	8.7	5.9	3.3	0.8	3.3	5.9	8.7	11.4	14.2	17.3	20.5
52.5°	8.9	6.1	3.4	0.8	3.4	6.1	8.9	11.8	14.7	17.9	21.1
50°	9.2	6.3	3.2	0.0	3.2	6.3	9.2	12.1	15.2	18.6	21.9
47.5°	9.2	5.9	3.0	0.8	3.0	5.9	9.2	12.5	15.9	19.3	22.7
45°	9.9	6.7	3.7	0.8	3.7	6.7	9.9	13.1	16.6	20.2	23.7
42.5°	10.4	7.1	3.6	0.0	3.6	7.1	10.4	13.7	17.4	21.1	24.7
40°	10.9	7.4	4.0	0.8	4.0	7.4	10.9	14.4	18.4	22.2	26.0
37.5°	11.5	7.8	4.2	0.8	4.2	7.8	11.5	15.3	19.6	24.1	27.8
35°	12.1	8.2	4.3	0.0	4.3	8.2	12.1	16.4	20.8	24.8	29.5
32.5°	14.9	10.0	4.6	0.8	4.6	10.0	14.9	19.8	24.0	28.1	32.4
30°	20.7	14.5	7.3	0.0	7.3	14.5	20.7	26.6	31.2	35.4	38.5
27.5°	23.9	16.6	9.6	0.0	9.6	16.6	23.9	32.4	41.3	45.1	48.3
25°	20.4	14.3	11.0	4.9	11.0	14.3	20.4	30.1	41.6	50.4	58.0
22.5°	27.4	26.2	21.1	17.3	21.1	26.2	27.4	26.1	34.5	49.1	62.9
20°	43.7	41.0	39.0	35.4	39.0	41.0	43.7	44.9	45.6	48.0	64.8
17.5°	68.8	69.2	66.6	63.4	66.6	69.2	68.8	63.1	65.4	64.8	72.8
15°	117.8	116.3	110.6	106.2	110.6	116.3	117.8	112.9	106.8	100.6	106.7
12.5°	192.5	188.2	180.0	174.1	180.0	188.2	192.5	198.1	185.9	180.4	176.3
10°	723.3	759.8	540.9	330.9	540.9	759.8	723.3	466.3	676.3	612.0	467.4
7.5°	22417.2	30569.3	38205.2	44474.7	38205.2	30569.3	22417.2	15730.4	13563.6	6499.2	4691.5
5°	137225.1	181076.4	206183.5	223167.0	206183.5	181076.4	137225.1	98175.2	59737.8	33125.0	19550.6
2.5°	229850.8	301799.9	353044.6	386021.7	353044.6	301799.9	229850.8	156061.2	106713.0	59772.7	29400.3
0°	360951.1	463141.8	550289.2	591490.3	550289.2	463141.8	360951.1	260314.3	177594.3	100827.3	52201.3
-2.5°	430165.0	541271.7	625867.3	658482.6	625867.3	541271.7	430165.0	318263.7	216438.0	125766.4	64363.9
-5°	401936.8	483749.0	537801.7	555092.0	537801.7	483749.0	401936.8	302020.5	208978.5	124282.1	63742.0
-7.5°	356681.9	418041.8	455034.1	466814.1	455034.1	418041.8	356681.9	270745.2	188243.7	113498.0	63070.7
-10°	310196.3	364942.8	394621.6	407067.3	394621.6	364942.8	310196.3	236770.0	162494.0	96124.6	54831.1
-12.5°	254506.0	307662.6	338202.6	348309.4	338202.6	307662.6	254506.0	193608.0	127921.5	81199.5	49595.2
-15°	202732.1	248284.1	279399.7	293223.8	279399.7	248284.1	202732.1	153027.0	106356.4	68185.9	44214.5
-17.5°	163271.3	201649.1	227236.0	237008.6	227236.0	201649.1	163271.3	123497.1	90719.9	60356.2	41699.5
-20°	136579.8	166662.8	186741.2	195765.1	186741.2	166662.8	136579.8	105153.6	79092.5	56056.8	40384.3



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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°	119997.2	144117.8	162942.7	170734.4	162942.7	144117.8	119997.2	93205.5	71117.9	51141.7	38502.8
-25°	107293.8	127252.1	144216.9	151987.5	144216.9	127252.1	107293.8	84935.2	65062.1	48109.2	35524.1
-27.5°	93748.6	109851.6	124586.9	132127.9	124586.9	109851.6	93748.6	74990.0	57250.0	44385.5	33468.7
-30°	79869.6	92241.1	104194.6	107023.1	104194.6	92241.1	79869.6	65128.3	50944.5	40305.7	31611.8
-32.5°	66912.1	76132.0	84582.1	88864.7	84582.1	76132.0	66912.1	55944.1	44934.9	35911.8	29334.6
-35°	55406.9	62322.2	68325.7	70700.5	68325.7	62322.2	55406.9	47566.1	39267.0	31728.3	26729.2
-37.5°	46006.1	51317.3	55593.5	56841.5	55593.5	51317.3	46006.1	40254.2	34051.0	28335.7	24091.1
-40°	38192.2	42195.4	45350.4	46367.7	45350.4	42195.4	38192.2	34181.2	29678.3	25355.1	21759.5
-42.5°	32127.1	34660.1	36517.1	37172.0	36517.1	34660.1	32127.1	29523.9	26179.2	22888.5	19793.4
-45°	27539.5	29398.0	30575.7	30782.0	30575.7	29398.0	27539.5	25609.2	23078.9	20304.9	17545.9
-47.5°	23517.8	24974.6	25819.4	25968.1	25819.4	24974.6	23517.8	21948.7	19867.8	17378.6	14900.7
-50°	19532.0	20620.3	21225.2	21367.4	21225.2	20620.3	19532.0	18379.1	16923.5	15005.2	13125.5
-52.5°	16591.2	17390.0	17760.3	17810.3	17760.3	17390.0	16591.2	15714.8	14641.5	13053.2	11473.3
-55°	14274.8	15064.0	15329.1	15249.0	15329.1	15064.0	14274.8	13429.2	12516.7	11170.5	9845.5
-57.5°	11816.2	12457.7	12816.1	13007.1	12816.1	12457.7	11816.2	11133.3	10419.6	9395.6	8361.3
-60°	9635.0	10117.1	10315.6	10373.4	10315.6	10117.1	9635.0	9124.3	8594.3	7860.2	7083.0
-62.5°	7811.3	8136.5	8294.3	8380.1	8294.3	8136.5	7811.3	7459.6	7084.3	6556.5	5952.7
-65°	6433.0	6701.3	6789.2	6816.3	6789.2	6701.3	6433.0	6144.9	5839.7	5434.2	4951.3
-67.5°	5230.3	5449.2	5462.3	5419.6	5462.3	5449.2	5230.3	4994.6	4743.9	4425.7	4032.1
-70°	4112.8	4279.3	4320.0	4331.6	4320.0	4279.3	4112.8	3934.5	3745.5	3512.3	3207.5
-72.5°	3297.6	3438.0	3470.5	3483.9	3470.5	3438.0	3297.6	3149.3	2993.7	2809.9	2563.1
-75°	2648.5	2770.7	2784.9	2784.3	2784.9	2770.7	2648.5	2519.9	2385.5	2234.8	2037.3
-77.5°	2049.0	2150.8	2171.3	2184.3	2171.3	2150.8	2049.0	1944.2	1837.0	1723.4	1582.0
-80°	1668.1	1753.1	1758.8	1759.6	1758.8	1753.1	1668.1	1581.3	1493.0	1401.6	1289.0
-82.5°	1360.7	1430.5	1443.2	1453.5	1443.2	1430.5	1360.7	1290.0	1218.3	1145.4	1060.3
-85°	1122.5	1180.8	1197.5	1213.1	1197.5	1180.8	1122.5	1063.9	1004.9	945.7	881.6
-87.5°	941.4	987.0	1000.2	1013.1	1000.2	987.0	941.4	895.7	849.9	803.9	753.4
-90°	8.0	5.8	4.1	2.5	4.1	5.8	8.1	10.3	12.6	14.8	17.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	614.0	575.3	536.6	508.4	480.3	452.1	423.9	405.6	387.3	368.9	350.6
87.5°	20.2	22.8	25.5	28.2	30.9	33.6	36.2	38.9	41.6	44.3	46.9
85°	20.2	22.9	25.6	28.3	31.0	33.6	36.3	39.0	41.7	44.3	47.0
82.5°	20.3	23.0	25.7	28.4	31.1	33.8	36.4	39.1	41.8	44.5	47.1
80°	20.5	23.2	25.9	28.6	31.3	34.0	36.6	39.3	42.0	44.7	47.3
77.5°	20.1	22.9	25.7	28.5	31.4	34.2	36.9	39.6	42.3	45.0	47.6
75°	20.3	23.1	25.9	28.7	31.5	34.4	37.2	39.9	42.6	45.3	47.9
72.5°	21.0	23.8	26.6	29.4	32.1	34.8	37.6	40.3	43.0	45.7	48.2
70°	21.3	24.2	27.0	29.8	32.5	35.3	38.0	40.7	43.4	46.1	48.7
67.5°	21.5	24.5	27.4	30.2	33.0	35.8	38.5	41.2	44.0	46.6	49.1
65°	21.7	24.8	27.9	30.7	33.5	36.3	39.1	41.8	44.5	47.2	49.7
62.5°	21.8	24.7	27.9	31.0	34.1	36.9	39.7	42.5	45.2	47.8	50.3
60°	22.3	25.3	28.5	31.6	34.7	37.6	40.4	43.2	45.9	48.5	51.0
57.5°	22.9	26.0	29.2	32.4	35.5	38.4	41.2	44.0	46.7	49.2	51.7
55°	23.6	26.8	30.0	33.3	36.4	39.3	42.1	44.9	47.6	50.1	52.5
52.5°	24.3	27.7	31.0	34.2	37.3	40.2	43.1	45.9	48.5	51.0	53.4
50°	25.2	28.6	32.0	35.3	38.4	41.3	44.1	46.9	49.5	52.0	54.4
47.5°	26.2	29.7	33.1	36.4	39.6	42.9	45.6	48.1	50.7	53.0	55.4
45°	27.3	30.9	34.4	37.7	40.7	43.9	47.3	49.8	52.2	54.5	56.5
42.5°	28.5	32.2	35.8	39.0	42.1	45.1	48.1	51.1	53.7	56.1	58.1
40°	29.9	33.7	37.3	40.5	43.6	46.6	49.5	52.3	55.1	57.6	59.5
37.5°	31.5	35.3	39.0	42.5	45.5	48.4	51.2	53.9	56.6	58.9	60.8
35°	33.5	37.2	41.0	44.5	47.9	50.6	53.4	55.8	58.2	60.3	62.3
32.5°	35.9	39.9	43.6	47.0	50.0	53.0	55.6	58.2	60.0	61.9	63.7
30°	41.2	44.3	47.1	50.3	53.3	55.5	57.9	60.4	62.3	63.9	65.3
27.5°	50.2	51.2	52.9	54.4	57.6	59.4	60.9	62.9	64.6	66.0	67.4
25°	60.0	61.2	60.9	60.7	61.5	64.2	64.7	66.1	67.4	68.4	70.0
22.5°	69.0	72.0	70.8	69.0	67.7	68.5	69.3	69.5	71.0	72.1	73.0
20°	81.1	87.8	84.6	82.2	76.9	73.9	74.1	76.0	77.3	76.8	76.2
17.5°	93.6	105.8	115.3	107.9	93.1	82.7	89.5	89.8	85.6	82.3	79.8
15°	113.3	143.1	156.7	147.8	131.8	121.8	117.4	108.1	96.7	89.3	92.3
12.5°	190.0	194.5	210.6	260.2	224.5	182.1	155.8	133.4	131.3	141.6	138.9
10°	322.8	606.8	559.6	467.9	357.9	261.0	276.2	275.1	255.1	224.4	193.6
7.5°	3298.7	2048.2	1105.1	1005.4	955.1	792.2	585.0	475.6	394.8	316.4	254.1
5°	8140.8	4951.5	3422.7	2770.9	2009.5	1458.2	928.9	691.3	543.9	413.7	321.1
2.5°	13478.0	8682.6	6165.3	4798.1	3410.9	2627.9	1864.7	1481.6	1235.9	1007.0	828.8
0°	24663.6	15404.6	10507.6	8482.1	6262.4	4975.2	3660.8	2766.2	2183.5	1699.6	1340.7
-2.5°	31335.0	19223.2	13058.9	10199.3	7823.1	6319.5	4883.5	3621.4	2814.4	2276.1	1870.2
-5°	33543.7	20869.4	15267.2	12045.6	9422.2	7593.7	5970.5	4542.5	3530.3	2872.2	2379.0
-7.5°	34792.2	22353.9	17068.4	13602.5	10829.0	8720.4	6954.3	5541.1	4442.1	3636.7	2982.1
-10°	32118.9	23407.8	18339.5	14676.1	11914.6	9647.9	7863.4	6450.6	5274.2	4332.2	3536.0
-12.5°	32436.6	24202.7	18934.5	15292.6	12701.3	10398.2	8578.8	7158.7	6009.8	4941.3	4028.2
-15°	31424.5	24587.2	19658.3	16002.2	13309.3	10982.3	9012.0	7387.5	6325.4	5363.4	4448.7
-17.5°	31478.2	24490.7	19776.4	16407.4	13661.2	11287.4	9167.4	7579.4	6501.7	5517.7	4563.6
-20°	30051.5	24297.2	19845.3	16399.6	13657.7	11271.2	9066.9	7677.9	6625.1	5550.8	4491.2



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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°	29326.5	23769.0	19668.2	16168.1	13391.6	11043.1	9128.1	7789.1	6690.7	5448.5	4321.1
-25°	28621.8	23001.1	19218.2	15991.7	13069.3	10658.5	9152.5	7911.8	6575.3	5203.5	4075.0
-27.5°	27116.4	22286.9	18550.5	15494.6	12694.9	10635.4	9137.4	7873.9	6305.1	4899.3	3898.3
-30°	25145.6	21332.9	17817.4	14733.6	12527.4	10666.3	9129.9	7416.1	5851.5	4547.4	3763.5
-32.5°	23800.4	20003.3	16796.5	14283.0	12293.5	10661.6	8711.2	6758.7	5218.8	4396.7	3654.5
-35°	22170.3	18495.3	15878.9	13814.6	12075.6	10039.4	8020.6	6079.7	4947.2	4240.2	3518.7
-37.5°	20423.6	17201.2	15096.8	13221.0	11118.1	9045.7	7015.8	5721.6	4833.1	4051.7	3381.6
-40°	18944.6	16378.7	13917.7	11883.9	9761.7	7673.1	6480.7	5541.5	4646.7	3843.3	3216.2
-42.5°	17231.5	14733.0	12213.3	10085.2	8293.6	7168.7	6154.5	5235.2	4397.2	3651.5	3037.7
-45°	15036.4	12630.0	10316.3	8864.0	7751.3	6705.7	5719.8	4867.3	4095.2	3433.0	2835.2
-47.5°	12851.5	11118.2	9523.6	8120.3	7108.0	6149.3	5256.0	4445.3	3789.8	3185.2	2674.9
-50°	11371.1	9941.0	8601.6	7378.7	6424.2	5562.4	4773.2	4056.7	3478.2	2968.7	2492.9
-52.5°	9926.5	8726.1	7625.3	6601.5	5728.2	4984.1	4291.8	3715.2	3200.3	2733.2	2300.2
-55°	8560.1	7546.2	6666.5	5819.0	5037.6	4449.2	3892.9	3377.5	2905.2	2477.4	2100.8
-57.5°	7363.6	6505.9	5805.9	5130.3	4484.7	3957.5	3477.6	3018.6	2601.0	2232.9	1890.4
-60°	6332.8	5636.9	5043.2	4476.4	3942.2	3469.0	3048.9	2657.2	2296.8	1981.0	1685.4
-62.5°	5351.0	4757.8	4280.2	3825.1	3378.0	2957.2	2609.4	2296.2	2001.1	1724.7	1469.6
-65°	4470.3	3995.7	3583.2	3199.4	2832.4	2487.0	2204.8	1942.0	1699.1	1472.0	1246.1
-67.5°	3638.1	3247.1	2905.9	2601.8	2316.7	2037.2	1803.2	1588.4	1396.5	1210.3	1022.6
-70°	2898.1	2585.4	2307.7	2063.1	1839.4	1627.0	1445.0	1277.7	1109.9	961.4	829.7
-72.5°	2316.5	2071.6	1851.8	1663.5	1473.9	1297.4	1150.4	1024.1	898.8	774.7	668.7
-75°	1840.5	1645.9	1466.8	1319.4	1175.8	1037.2	922.1	827.5	734.8	644.3	562.8
-77.5°	1440.5	1299.4	1166.5	1061.5	957.6	855.2	759.4	682.5	615.0	550.6	493.7
-80°	1177.1	1066.3	961.0	880.7	801.4	723.4	649.9	593.6	539.5	489.6	445.8
-82.5°	975.5	891.5	809.9	747.0	684.8	623.7	565.4	524.4	484.7	446.5	410.8
-85°	817.7	754.0	691.2	643.0	595.3	548.3	502.8	473.1	444.1	415.7	388.3
-87.5°	703.0	652.7	602.7	566.4	530.2	494.3	458.7	436.0	413.5	391.1	369.0
-90°	20.2	22.8	25.5	28.2	30.9	33.5	36.2	38.9	41.6	44.2	46.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	335.6	320.6	305.5	290.5	271.8	253.0	234.3	215.6	195.0	174.4	153.9
87.5°	49.4	51.9	54.4	56.8	58.9	60.9	63.0	65.0	66.5	67.9	69.4
85°	49.5	52.0	54.4	56.9	58.9	61.0	63.0	65.0	66.5	67.9	69.4
82.5°	49.6	52.1	54.6	57.0	59.0	61.1	63.1	65.1	66.6	68.0	69.4
80°	49.8	52.3	54.7	57.1	59.2	61.2	63.2	65.2	66.6	68.1	69.5
77.5°	50.1	52.5	55.0	57.3	59.4	61.4	63.4	65.3	66.7	68.2	69.6
75°	50.4	52.8	55.3	57.6	59.6	61.6	63.6	65.4	66.9	68.3	69.7
72.5°	50.7	53.2	55.6	57.8	59.8	61.9	63.8	65.6	67.0	68.4	69.8
70°	51.1	53.6	56.0	58.2	60.2	62.1	64.1	65.8	67.2	68.5	69.9
67.5°	51.6	54.0	56.5	58.5	60.5	62.5	64.4	66.0	67.4	68.7	70.1
65°	52.1	54.6	57.0	58.9	60.9	62.9	64.8	66.2	67.6	68.9	70.3
62.5°	52.7	55.2	57.4	59.4	61.3	63.3	65.1	66.5	67.8	69.1	70.4
60°	53.4	55.8	57.9	59.9	61.8	63.7	65.4	66.7	68.1	69.4	70.6
57.5°	54.1	56.5	58.5	60.4	62.3	64.2	65.8	67.0	68.3	69.6	70.8
55°	54.9	57.2	59.1	61.0	62.9	64.7	66.1	67.4	68.6	69.9	71.0
52.5°	55.8	57.9	59.8	61.7	63.5	65.3	66.6	67.7	68.9	70.2	71.2
50°	56.7	58.8	60.6	62.4	64.2	65.8	67.1	68.2	69.3	70.5	71.4
47.5°	57.6	59.7	61.6	63.2	64.9	66.3	67.6	68.8	69.7	70.8	71.7
45°	58.6	60.4	62.6	64.3	65.5	66.8	68.2	69.4	70.2	71.1	72.0
42.5°	59.7	61.4	63.2	65.5	66.4	67.4	68.7	70.0	70.8	71.5	72.3
40°	61.1	62.7	64.1	66.0	67.4	68.1	69.3	70.5	71.5	71.9	72.6
37.5°	62.4	64.0	65.4	66.7	68.3	69.0	69.9	71.0	72.2	72.6	73.0
35°	63.9	65.2	66.7	67.7	69.0	69.9	70.5	71.6	72.9	73.3	73.4
32.5°	65.5	66.5	67.8	68.9	70.0	70.9	71.3	72.5	73.5	74.1	73.8
30°	67.0	68.1	69.0	70.0	71.0	71.8	72.5	73.5	74.2	74.9	74.3
27.5°	68.6	69.8	70.4	71.2	72.1	72.9	74.1	74.7	75.0	75.7	75.0
25°	70.6	71.4	72.0	72.5	73.1	75.3	75.9	76.0	76.0	76.3	75.7
22.5°	73.3	73.3	73.5	73.9	76.2	78.0	77.9	77.6	77.1	77.0	76.4
20°	76.2	75.3	76.2	79.0	80.0	80.9	80.2	79.3	78.3	77.8	77.1
17.5°	79.4	83.1	85.5	85.3	84.4	84.0	82.7	81.0	79.5	78.5	77.9
15°	100.4	100.2	96.6	92.6	89.2	87.3	85.3	82.7	80.9	79.3	79.3
12.5°	130.2	120.2	109.2	100.7	94.3	90.8	88.1	84.5	82.2	81.4	81.6
10°	164.1	142.5	123.0	109.5	99.6	94.5	90.9	88.0	86.2	84.6	83.9
7.5°	200.6	166.3	137.4	118.5	109.8	106.2	101.2	95.1	90.6	87.9	86.2
5°	297.0	262.6	214.9	176.6	146.8	127.3	113.0	102.4	95.0	91.2	88.5
2.5°	649.1	475.9	334.8	243.9	185.0	148.9	124.9	109.7	99.4	94.6	90.8
0°	1004.9	690.5	455.1	311.1	223.0	170.4	136.6	116.9	103.7	97.9	93.0
-2.5°	1468.3	1077.5	825.4	565.7	351.9	248.3	188.6	142.4	117.6	106.7	98.8
-5°	1911.7	1456.0	1180.1	806.3	475.3	323.6	238.3	166.9	131.1	115.3	104.5
-7.5°	2377.2	1824.9	1477.5	1014.0	589.2	394.5	284.2	189.8	144.1	123.5	110.0
-10°	2805.8	2163.5	1689.5	1146.0	708.2	476.3	328.4	210.5	156.2	131.4	115.2
-12.5°	3172.3	2459.2	1859.3	1257.1	817.6	566.3	393.6	249.7	169.8	138.7	120.2
-15°	3465.7	2702.9	1979.3	1345.3	912.2	646.8	451.5	294.2	200.1	150.5	124.8
-17.5°	3627.1	2886.8	2042.8	1408.7	990.1	716.3	500.9	332.3	226.5	167.7	133.0
-20°	3574.0	2887.5	2055.7	1445.8	1049.7	773.6	541.1	363.0	248.7	182.9	143.4



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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°	3488.7	2767.5	2048.4	1496.0	1098.9	817.5	571.1	385.5	265.9	196.0	152.7
-25°	3359.1	2642.6	2020.7	1523.8	1143.3	848.6	593.9	399.1	277.8	206.7	160.6
-27.5°	3202.8	2535.2	1982.2	1533.9	1170.8	865.6	608.4	413.1	286.5	214.8	167.1
-30°	3050.5	2476.1	1966.3	1532.3	1179.9	872.1	610.3	419.5	295.8	221.8	172.1
-32.5°	2958.6	2408.5	1940.0	1527.4	1175.2	866.6	607.1	417.5	301.3	227.5	176.7
-35°	2893.1	2354.5	1894.9	1500.0	1156.4	859.8	605.6	406.9	302.8	230.8	180.5
-37.5°	2787.8	2285.0	1842.1	1456.6	1121.9	843.1	604.6	414.2	300.4	231.9	183.2
-40°	2673.2	2192.6	1769.6	1401.9	1088.0	816.7	594.5	420.0	298.0	230.5	184.8
-42.5°	2525.6	2088.0	1691.1	1331.6	1047.9	794.9	577.2	417.3	301.0	229.9	185.4
-45°	2382.5	1969.4	1599.3	1277.9	999.2	762.8	563.5	407.6	299.7	229.2	185.8
-47.5°	2222.3	1846.5	1506.3	1207.8	950.4	723.5	539.4	398.6	293.2	227.1	186.9
-50°	2065.0	1716.8	1407.1	1134.3	890.5	681.5	508.9	382.9	290.0	225.5	187.1
-52.5°	1913.0	1583.2	1303.1	1051.6	825.9	627.6	480.6	362.1	282.8	224.5	186.4
-55°	1749.9	1448.0	1193.6	960.7	751.2	579.6	444.6	346.9	271.9	223.0	184.9
-57.5°	1587.9	1310.4	1074.0	859.6	678.8	527.8	412.5	327.1	265.1	220.1	183.2
-60°	1412.8	1163.8	942.6	762.2	605.0	477.5	381.3	308.0	258.4	216.1	181.3
-62.5°	1228.8	1007.0	820.8	662.7	535.0	431.5	349.1	296.5	250.0	212.5	178.9
-65°	1042.0	856.9	694.4	574.6	469.3	386.8	331.6	283.0	243.3	208.1	176.3
-67.5°	850.2	716.1	590.7	486.5	416.1	359.7	311.2	272.2	236.3	202.9	174.1
-70°	706.2	589.7	499.1	432.9	377.7	331.4	296.6	262.1	228.3	199.5	171.5
-72.5°	586.2	509.6	439.3	383.2	348.2	314.6	282.5	252.0	223.7	195.8	168.5
-75°	495.2	444.4	398.5	359.1	327.3	297.3	271.9	246.0	218.6	191.6	166.5
-77.5°	449.9	408.3	369.0	337.5	312.8	288.3	264.0	239.4	213.7	189.0	164.7
-80°	413.0	381.9	352.5	325.6	302.0	278.8	256.7	234.6	210.3	186.3	162.6
-82.5°	384.4	360.4	337.3	314.9	293.4	272.2	251.1	230.1	206.6	183.3	160.4
-85°	367.1	346.3	325.7	305.6	285.3	265.1	245.3	225.3	202.9	180.6	158.5
-87.5°	350.9	333.1	315.4	297.9	278.6	259.3	240.0	220.7	199.1	177.7	156.3
-90°	49.4	51.9	54.3	56.8	58.9	60.9	63.0	65.0	66.5	67.9	69.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	133.3	121.2	109.0	96.9	84.8	80.2	75.7
87.5°	70.8	71.8	72.9	73.9	74.9	75.3	75.7
85°	70.8	71.8	72.9	73.9	74.9	75.3	75.7
82.5°	70.9	71.9	72.9	73.9	74.9	75.3	75.7
80°	70.9	71.9	72.9	73.9	74.9	75.3	75.7
77.5°	70.9	71.9	72.9	73.9	74.9	75.3	75.7
75°	71.0	72.0	73.0	74.0	74.9	75.3	75.7
72.5°	71.1	72.1	73.0	74.0	74.9	75.3	75.7
70°	71.2	72.1	73.1	74.1	74.9	75.3	75.7
67.5°	71.2	72.2	73.2	74.1	75.0	75.3	75.7
65°	71.4	72.3	73.2	74.2	75.0	75.3	75.7
62.5°	71.5	72.4	73.3	74.2	75.0	75.3	75.7
60°	71.6	72.5	73.4	74.3	75.0	75.4	75.7
57.5°	71.7	72.6	73.5	74.4	75.0	75.4	75.7
55°	71.9	72.7	73.6	74.4	75.1	75.4	75.7
52.5°	72.0	72.9	73.7	74.5	75.1	75.4	75.7
50°	72.2	73.0	73.8	74.6	75.2	75.4	75.7
47.5°	72.4	73.1	73.9	74.7	75.3	75.4	75.7
45°	72.6	73.3	74.0	74.8	75.3	75.4	75.7
42.5°	72.9	73.5	74.2	74.9	75.4	75.4	75.7
40°	73.2	73.6	74.3	75.0	75.5	75.4	75.7
37.5°	73.5	73.8	74.4	75.2	75.6	75.5	75.7
35°	73.8	74.0	74.6	75.3	75.7	75.5	75.7
32.5°	74.2	74.3	74.7	75.5	75.8	75.5	75.7
30°	74.5	74.6	74.9	75.8	75.9	75.5	75.7
27.5°	74.9	74.9	75.3	76.0	76.0	75.5	75.7
25°	75.3	75.2	75.8	76.2	76.2	75.5	75.7
22.5°	75.7	75.6	76.4	76.5	76.3	75.5	75.7
20°	76.1	76.6	76.9	76.7	76.4	75.6	75.7
17.5°	77.2	77.6	77.6	77.0	76.5	75.6	75.7
15°	78.8	78.6	78.2	77.3	76.7	75.6	75.7
12.5°	80.4	79.6	78.9	77.6	76.8	75.6	75.7
10°	82.1	80.7	79.6	77.9	76.9	75.6	75.7
7.5°	83.8	81.7	80.3	78.2	77.0	75.6	75.7
5°	85.5	82.7	81.0	78.4	77.2	75.7	75.7
2.5°	87.2	83.8	81.6	78.7	77.3	75.7	75.7
0°	88.9	84.8	82.3	79.0	77.4	75.7	75.7
-2.5°	92.8	87.1	83.9	80.0	78.0	76.0	75.7
-5°	96.7	89.3	85.4	81.0	78.5	76.2	75.7
-7.5°	100.4	91.5	86.9	82.0	79.1	76.4	75.7
-10°	103.8	93.6	88.4	83.0	79.6	76.7	75.7
-12.5°	107.1	95.6	89.8	83.9	80.1	76.9	75.7
-15°	110.0	97.6	91.1	84.8	80.7	77.2	75.7
-17.5°	112.6	99.4	92.4	85.7	81.1	77.4	75.7
-20°	116.5	101.2	93.6	86.5	81.6	77.6	75.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	122.7	102.8	94.7	87.3	82.1	77.9	75.7
-25°	128.3	106.5	95.7	88.0	82.5	78.1	75.7
-27.5°	133.2	110.8	96.6	88.7	82.9	78.3	75.7
-30°	137.4	114.7	97.6	89.3	83.3	78.5	75.7
-32.5°	140.9	118.2	100.0	89.9	83.6	78.7	75.7
-35°	144.7	121.3	102.2	90.4	84.0	78.9	75.7
-37.5°	148.3	124.0	104.2	90.9	84.3	79.1	75.7
-40°	151.2	126.4	105.9	91.3	84.6	79.2	75.7
-42.5°	153.6	128.3	107.5	91.9	84.8	79.4	75.7
-45°	155.2	129.8	109.0	93.0	85.0	79.5	75.7
-47.5°	156.3	130.9	110.2	93.9	85.2	79.7	75.7
-50°	156.9	131.6	111.2	94.8	85.4	79.8	75.7
-52.5°	156.9	131.9	112.0	95.7	85.5	79.9	75.7
-55°	156.5	132.2	112.5	96.4	85.6	80.0	75.7
-57.5°	155.4	132.3	112.8	97.0	85.6	80.1	75.7
-60°	154.0	132.0	112.9	97.4	85.7	80.2	75.7
-62.5°	152.8	131.4	113.2	97.8	85.7	80.2	75.7
-65°	151.1	130.5	113.3	98.1	85.8	80.3	75.7
-67.5°	149.1	129.7	113.3	98.2	85.8	80.3	75.7
-70°	146.6	129.2	113.2	98.3	85.8	80.4	75.7
-72.5°	145.2	128.5	112.8	98.4	85.8	80.4	75.7
-75°	143.6	127.5	112.4	98.4	85.7	80.4	75.7
-77.5°	141.9	126.4	112.0	98.4	85.6	80.4	75.7
-80°	139.9	125.5	111.7	98.2	85.5	80.4	75.7
-82.5°	138.4	124.6	111.2	98.0	85.3	80.4	75.7
-85°	136.8	123.6	110.6	97.7	85.2	80.3	75.7
-87.5°	135.1	122.4	109.9	97.4	85.0	80.3	75.7
-90°	70.8	71.8	72.9	73.9	74.9	75.3	75.7

(END OF REPORT)