

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: P1212177 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-1S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212177 (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-57-70-1S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

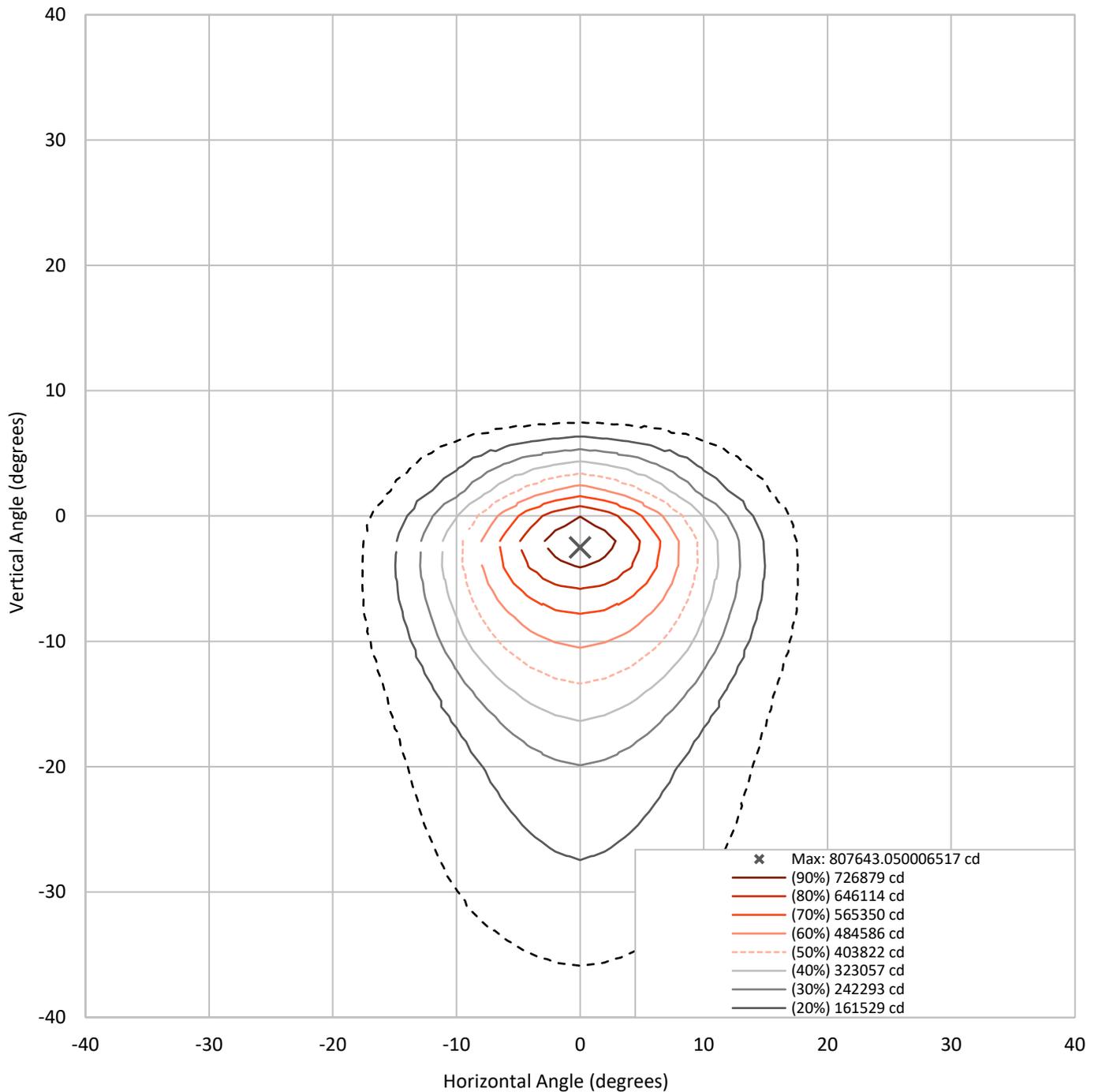
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	122318.6 lumens	Max Intensity:	807643.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	111.1 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:	40896.6 lumens	Field Lumens:	92035.8 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-57-70-1S-ECV

Iso-Candela Plot





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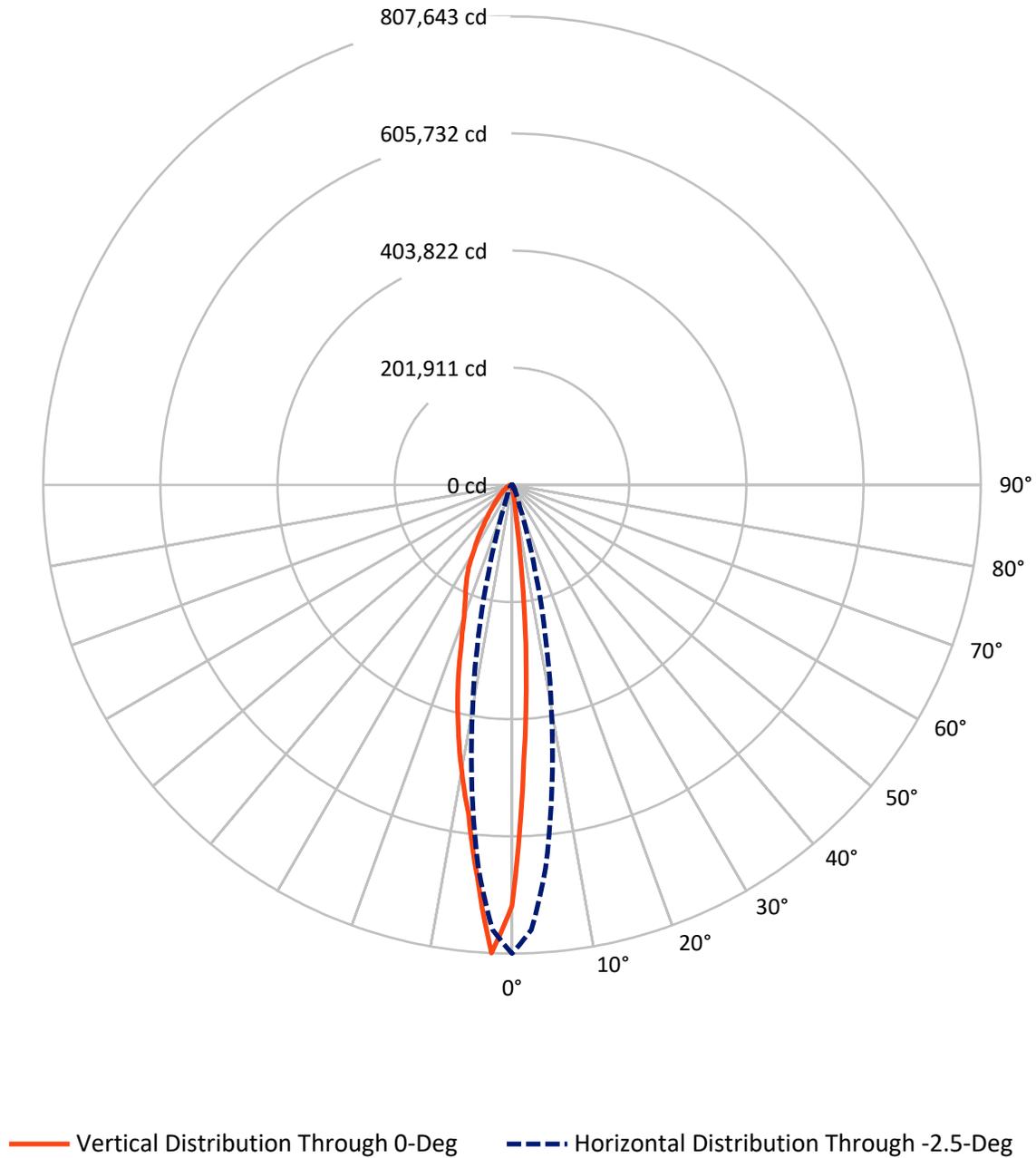
CATALOG NUMBER: EPH-LS12-1000R-57-70-1S-ECV

Lumen Table

90	1.9	5.4		7.3		8.1		8.5		8.1		7.3		5.4		1.9
80	1.9	1.0	1.3	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.3	1.0	1.9
70	1.9	1.1	1.3	1.4	1.3	1.0	0.6	0.2	0.2	0.6	1.0	1.3	1.4	1.3	1.1	1.9
60	1.9	1.1	1.4	1.5	1.4	1.2	0.7	0.2	0.2	0.7	1.2	1.4	1.5	1.4	1.1	1.9
50	1.9	1.1	1.4	1.6	1.6	1.4	0.9	0.3	0.3	0.9	1.4	1.6	1.6	1.4	1.1	1.9
40	1.9	1.2	1.6	1.8	2.0	2.1	1.7	0.8	0.8	1.7	2.1	2.0	1.8	1.6	1.2	2.0
30	2.0	1.3	2.0	3.0	4.2	6.4	5.9	6.4	6.4	5.9	6.4	4.2	3.0	2.0	1.3	2.0
20	2.0	1.7	4.4	15.0	45.5	163.1	1629.7	6659.3	6659.3	1629.7	163.1	45.5	15.0	4.4	1.7	2.3
10	2.3	3.1	18.0	65.6	188.3	578.7	4819.1	16582.6	16582.6	4819.1	578.7	188.3	65.6	18.0	3.1	2.3
0	2.3	5.5	31.9	115.0	281.2	695.6	2942.0	9098.2	9098.2	2942.0	695.6	281.2	115.0	31.9	5.5	3.1
-10	3.1	7.3	35.0	114.5	288.4	666.5	1852.9	4625.2	4625.2	1852.9	666.5	288.4	114.5	35.0	7.3	3.1
-20	3.1	7.6	33.4	95.4	248.3	552.5	1208.9	2349.8	2349.8	1208.9	552.5	248.3	95.4	33.4	7.6	3.7
-30	3.7	7.2	28.5	77.7	177.9	376.6	732.9	1102.1	1102.1	732.9	376.6	177.9	77.7	28.5	7.2	3.7
-40	3.7	7.2	28.5	77.7	177.9	376.6	732.9	1102.1	1102.1	732.9	376.6	177.9	77.7	28.5	7.2	3.7
-50	3.7	7.2	28.5	77.7	177.9	376.6	732.9	1102.1	1102.1	732.9	376.6	177.9	77.7	28.5	7.2	3.7
-60	3.8	5.9	21.3	56.6	120.9	230.2	405.1	551.2	551.2	405.1	230.2	120.9	56.6	21.3	5.9	3.8
-70	3.8	4.7	13.0	33.6	68.7	123.4	197.6	251.5	251.5	197.6	123.4	68.7	33.6	13.0	4.7	3.8
-80	3.8	4.7	13.0	33.6	68.7	123.4	197.6	251.5	251.5	197.6	123.4	68.7	33.6	13.0	4.7	3.8
-90	3.4	21.2		70.1		189.4		289.2		189.4		70.1		21.2		3.4

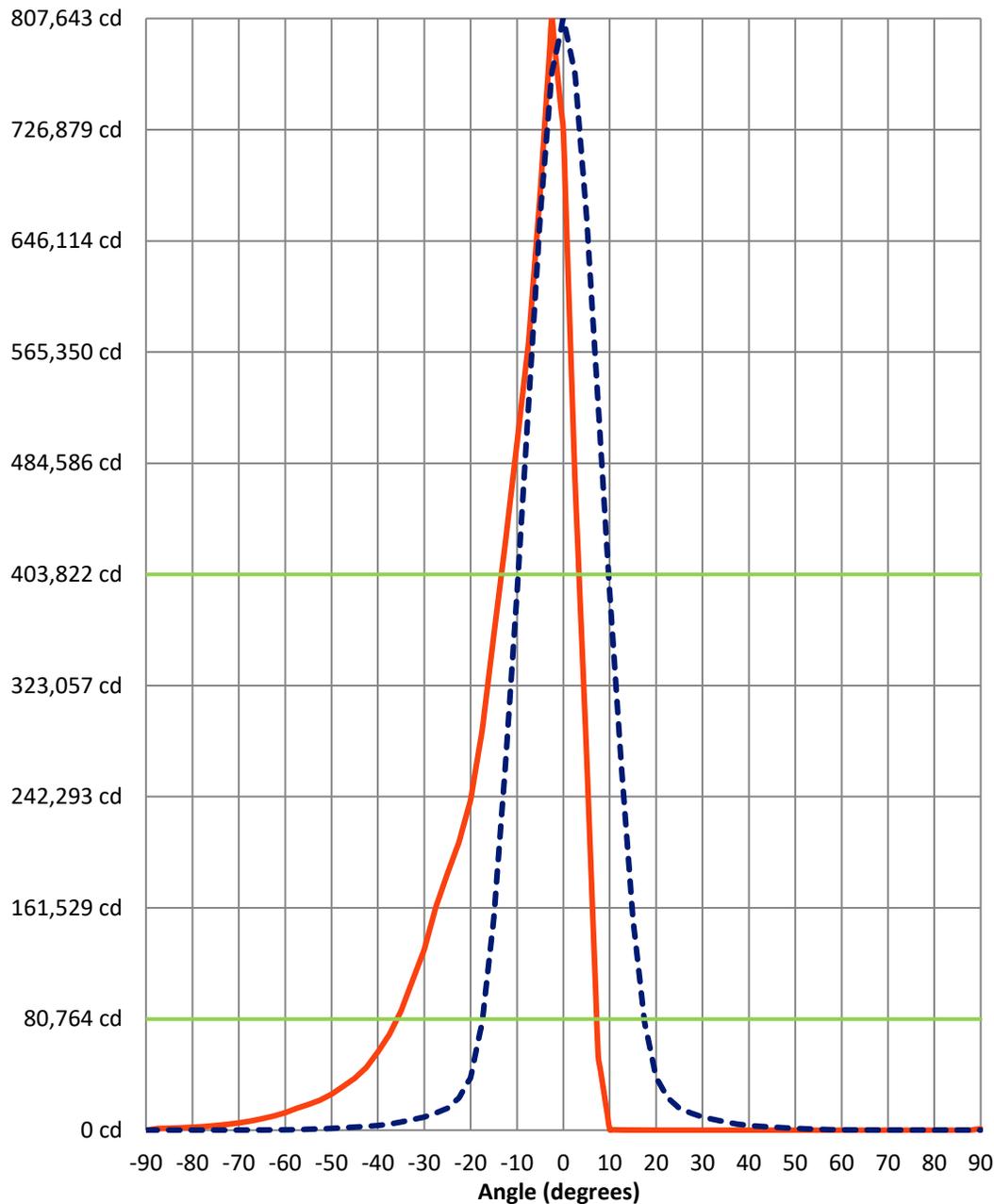
REPORT NUMBER: P1212177 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS12-1000R-57-70-1S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 19.5°
 V Angle: 16.7°
 Lumens: 40896.6
 Efficiency: 33.4%

Field:
 H Angle: 34.9°
 V Angle: 43.1°
 Lumens: 92035.8
 Efficiency: 75.2%

Spill:
 Lumens: 30282.7
 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°	92.9	98.4	104.0	118.9	133.7	148.6	163.5	188.7	214.0	239.2	264.5
87.5°	92.9	92.4	91.9	90.6	89.4	88.1	86.8	85.0	83.3	81.5	79.7
85°	92.9	92.4	91.9	90.6	89.4	88.1	86.8	85.1	83.3	81.5	79.8
82.5°	92.9	92.4	91.9	90.7	89.4	88.1	86.9	85.1	83.4	81.6	79.8
80°	92.9	92.4	91.9	90.7	89.4	88.2	86.9	85.2	83.4	81.7	79.9
77.5°	92.9	92.4	91.9	90.7	89.5	88.2	87.0	85.3	83.6	81.8	80.1
75°	92.9	92.4	91.9	90.8	89.5	88.3	87.0	85.4	83.7	82.0	80.2
72.5°	92.9	92.4	91.9	90.8	89.6	88.4	87.1	85.6	83.9	82.1	80.4
70°	92.9	92.4	92.0	90.9	89.7	88.4	87.2	85.7	84.0	82.3	80.6
67.5°	92.9	92.4	92.0	90.9	89.7	88.5	87.4	85.9	84.3	82.6	80.9
65°	92.9	92.4	92.0	91.0	89.8	88.7	87.5	86.1	84.5	82.8	81.2
62.5°	92.9	92.5	92.0	91.1	89.9	88.8	87.6	86.4	84.7	83.1	81.5
60°	92.9	92.5	92.0	91.1	90.0	88.9	87.8	86.6	85.0	83.4	81.8
57.5°	92.9	92.5	92.1	91.2	90.1	89.0	88.0	86.9	85.3	83.8	82.2
55°	92.9	92.5	92.1	91.3	90.3	89.2	88.1	87.1	85.7	84.1	82.6
52.5°	92.9	92.5	92.2	91.4	90.4	89.4	88.3	87.3	86.0	84.5	83.0
50°	92.9	92.5	92.3	91.5	90.5	89.5	88.5	87.6	86.4	85.0	83.7
47.5°	92.9	92.5	92.3	91.6	90.7	89.7	88.8	87.9	86.8	85.4	84.4
45°	92.9	92.5	92.4	91.7	90.8	89.9	89.1	88.3	87.2	86.1	85.1
42.5°	92.9	92.6	92.5	91.9	91.0	90.1	89.4	88.7	87.6	86.9	85.8
40°	92.9	92.6	92.6	92.0	91.2	90.3	89.8	89.1	88.2	87.7	86.4
37.5°	92.9	92.6	92.7	92.2	91.3	90.5	90.1	89.5	89.0	88.6	87.1
35°	92.9	92.6	92.9	92.4	91.5	90.8	90.6	90.0	89.9	89.3	87.8
32.5°	92.9	92.6	93.0	92.7	91.7	91.2	91.0	90.6	90.9	90.2	88.9
30°	92.9	92.6	93.1	92.9	91.9	91.5	91.4	91.2	91.9	91.0	90.1
27.5°	92.9	92.7	93.3	93.2	92.4	91.9	91.9	92.0	92.8	92.0	91.6
25°	92.9	92.7	93.4	93.5	93.0	92.2	92.4	92.9	93.6	93.2	93.3
22.5°	92.9	92.7	93.6	93.8	93.7	92.8	92.9	93.8	94.5	94.5	95.2
20°	92.9	92.7	93.7	94.1	94.4	94.0	93.4	94.6	95.4	96.0	97.2
17.5°	92.9	92.7	93.9	94.5	95.1	95.2	94.7	95.5	96.3	97.6	99.3
15°	92.9	92.8	94.0	94.8	95.9	96.4	96.6	97.3	97.2	99.2	101.5
12.5°	92.9	92.8	94.2	95.2	96.8	97.7	98.6	100.1	99.8	100.9	103.7
10°	92.9	92.8	94.3	95.5	97.6	98.9	100.7	102.9	103.7	105.8	108.0
7.5°	92.9	92.8	94.5	95.9	98.4	100.2	102.8	105.7	107.8	111.2	116.6
5°	92.9	92.9	94.6	96.2	99.3	101.5	104.9	108.6	111.9	116.6	125.5
2.5°	92.9	92.9	94.8	96.6	100.1	102.8	107.0	111.4	116.0	121.9	134.5
0°	92.9	92.9	94.9	96.9	100.9	104.0	109.0	114.1	120.1	127.2	143.3
-2.5°	92.9	93.2	95.6	98.2	102.8	106.8	113.8	121.2	130.9	144.2	174.5
-5°	92.9	93.5	96.3	99.4	104.8	109.5	118.6	128.2	141.4	160.8	204.6
-7.5°	92.9	93.8	97.0	100.6	106.6	112.2	123.1	134.9	151.5	176.7	232.7
-10°	92.9	94.1	97.6	101.8	108.4	114.8	127.4	141.4	161.1	191.6	258.1
-12.5°	92.9	94.4	98.3	103.0	110.1	117.3	131.4	147.5	170.1	208.3	306.3
-15°	92.9	94.7	98.9	104.1	111.8	119.7	135.0	153.1	184.6	245.4	360.8
-17.5°	92.9	95.0	99.5	105.1	113.3	122.0	138.2	163.2	205.7	277.9	407.5
-20°	92.9	95.3	100.1	106.1	114.8	124.1	143.0	176.0	224.4	305.0	445.2



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-1S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	92.9	95.6	100.7	107.1	116.2	126.2	150.6	187.3	240.4	326.2	472.8
-25°	92.9	95.8	101.2	108.0	117.4	130.7	157.4	197.0	253.5	340.7	489.6
-27.5°	92.9	96.1	101.7	108.8	118.5	135.9	163.4	205.0	263.5	351.4	506.7
-30°	92.9	96.3	102.2	109.6	119.7	140.7	168.6	211.1	272.1	362.8	514.5
-32.5°	92.9	96.6	102.6	110.3	122.8	145.0	172.9	216.7	279.0	369.5	512.0
-35°	92.9	96.8	103.0	110.9	125.5	148.9	177.5	221.4	283.2	371.4	499.1
-37.5°	92.9	97.0	103.4	111.5	127.9	152.2	181.9	224.7	284.4	368.4	508.0
-40°	92.9	97.2	103.7	112.0	130.0	155.0	185.5	226.7	282.8	365.5	515.2
-42.5°	92.9	97.4	104.0	112.7	131.9	157.4	188.4	227.4	282.0	369.2	511.9
-45°	92.9	97.6	104.3	114.0	133.7	159.2	190.4	228.0	281.1	367.6	499.9
-47.5°	92.9	97.7	104.5	115.2	135.2	160.6	191.7	229.3	278.6	359.7	488.9
-50°	92.9	97.9	104.7	116.3	136.4	161.4	192.4	229.5	276.7	355.7	469.7
-52.5°	92.9	98.0	104.9	117.3	137.4	161.8	192.5	228.6	275.3	346.9	444.2
-55°	92.9	98.2	105.0	118.2	138.0	162.2	191.9	226.8	273.6	333.5	425.5
-57.5°	92.9	98.3	105.1	118.9	138.3	162.2	190.7	224.7	270.0	325.1	401.2
-60°	92.9	98.4	105.1	119.5	138.4	161.9	188.9	222.4	265.1	317.0	377.7
-62.5°	92.9	98.4	105.2	120.0	138.8	161.2	187.4	219.4	260.7	306.7	363.7
-65°	92.9	98.5	105.3	120.3	139.0	160.0	185.4	216.2	255.3	298.4	347.2
-67.5°	92.9	98.6	105.3	120.5	139.0	159.1	182.8	213.5	248.8	289.8	333.9
-70°	92.9	98.6	105.3	120.6	138.8	158.5	179.8	210.3	244.7	280.0	321.4
-72.5°	92.9	98.6	105.2	120.7	138.4	157.6	178.1	206.7	240.1	274.3	309.1
-75°	92.9	98.6	105.1	120.8	137.9	156.5	176.2	204.3	235.0	268.1	301.7
-77.5°	92.9	98.6	105.0	120.7	137.5	155.1	174.0	202.1	231.9	262.1	293.6
-80°	92.9	98.6	104.9	120.5	137.0	154.0	171.6	199.4	228.5	258.0	287.7
-82.5°	92.9	98.6	104.7	120.2	136.4	152.9	169.8	196.8	224.8	253.3	282.1
-85°	92.9	98.6	104.5	119.9	135.6	151.6	167.9	194.5	221.5	248.8	276.4
-87.5°	92.9	98.5	104.3	119.4	134.7	150.2	165.8	191.8	218.0	244.3	270.7
-90°	92.9	92.4	91.9	90.6	89.4	88.1	86.8	85.0	83.3	81.5	79.7



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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°	287.4	310.4	333.3	356.3	374.7	393.2	411.6	430.0	452.5	475.0	497.4
87.5°	77.2	74.7	72.2	69.7	66.7	63.6	60.6	57.5	54.3	51.0	47.7
85°	77.3	74.8	72.3	69.8	66.8	63.7	60.7	57.6	54.4	51.1	47.8
82.5°	77.4	74.9	72.4	69.9	66.9	63.9	60.8	57.8	54.5	51.3	48.0
80°	77.6	75.1	72.6	70.1	67.2	64.1	61.1	58.0	54.8	51.5	48.2
77.5°	77.8	75.3	72.8	70.3	67.5	64.4	61.4	58.3	55.1	51.8	48.5
75°	78.0	75.6	73.1	70.6	67.8	64.8	61.8	58.7	55.5	52.2	48.9
72.5°	78.3	75.9	73.4	71.0	68.2	65.2	62.2	59.2	56.0	52.7	49.4
70°	78.6	76.2	73.8	71.4	68.7	65.7	62.7	59.7	56.6	53.3	49.9
67.5°	79.0	76.6	74.2	71.8	69.3	66.3	63.3	60.3	57.2	53.9	50.6
65°	79.4	77.1	74.7	72.3	69.9	67.0	64.0	60.9	57.9	54.6	51.3
62.5°	79.9	77.6	75.2	72.9	70.5	67.7	64.7	61.7	58.6	55.4	52.1
60°	80.2	78.1	75.8	73.5	71.1	68.5	65.5	62.5	59.5	56.3	53.0
57.5°	80.6	78.7	76.5	74.1	71.8	69.4	66.4	63.4	60.4	57.3	54.0
55°	81.1	79.4	77.1	74.9	72.5	70.2	67.4	64.4	61.4	58.3	55.0
52.5°	81.7	80.0	77.9	75.6	73.4	71.1	68.5	65.5	62.5	59.5	56.2
50°	82.3	80.6	78.7	76.5	74.4	72.2	69.6	66.7	63.7	60.7	57.6
47.5°	82.9	81.3	79.5	77.5	75.6	73.2	70.7	68.0	65.0	62.2	59.0
45°	83.6	82.0	80.3	78.9	76.8	74.1	71.9	69.4	66.9	64.0	61.1
42.5°	84.3	82.7	81.5	80.4	77.6	75.3	73.3	71.3	68.9	65.9	62.7
40°	85.0	83.5	82.7	81.0	78.6	76.9	75.0	73.0	70.6	67.6	64.2
37.5°	85.7	84.6	83.8	81.8	80.3	78.6	76.6	74.6	72.3	69.4	66.2
35°	86.5	85.8	84.7	83.0	81.9	80.1	78.4	76.4	74.0	71.5	68.5
32.5°	87.5	87.0	85.8	84.5	83.2	81.7	80.4	78.2	76.0	73.7	71.5
30°	88.9	88.1	87.1	85.9	84.7	83.6	82.2	80.2	78.3	76.4	74.1
27.5°	90.9	89.5	88.5	87.4	86.4	85.6	84.2	82.6	81.0	79.3	77.2
25°	93.1	92.4	89.7	89.0	88.3	87.6	86.7	85.9	84.0	82.7	81.0
22.5°	95.6	95.7	93.5	90.7	90.2	89.9	89.9	89.5	88.4	87.0	85.3
20°	98.4	99.2	98.2	96.9	93.5	92.4	93.5	93.5	94.1	94.7	93.3
17.5°	101.4	103.0	103.6	104.7	104.9	102.0	97.4	97.8	100.9	105.0	110.2
15°	104.7	107.1	109.4	113.6	118.6	122.9	123.1	113.2	109.5	118.7	132.7
12.5°	108.0	111.4	115.7	123.6	134.0	147.5	159.7	170.3	173.7	161.1	163.7
10°	111.4	115.9	122.2	134.3	150.8	174.8	201.2	237.4	275.2	313.0	337.4
7.5°	124.1	130.3	134.7	145.4	168.5	203.9	246.1	311.6	388.0	484.2	583.3
5°	138.6	156.1	180.2	216.6	263.5	322.0	364.3	393.8	507.4	667.1	847.9
2.5°	153.2	182.7	227.0	299.2	410.7	583.6	796.2	1016.5	1235.0	1515.8	1817.1
0°	167.6	209.0	273.6	381.6	558.2	846.9	1232.6	1644.4	2084.5	2678.1	3392.8
-2.5°	231.3	304.6	431.7	693.9	1012.4	1321.5	1801.0	2293.9	2791.6	3451.9	4441.8
-5°	292.3	396.9	583.0	988.9	1447.6	1785.9	2344.7	2917.9	3522.8	4330.1	5571.4
-7.5°	348.5	483.8	722.6	1243.6	1812.2	2238.3	2915.7	3657.7	4460.5	5448.3	6796.3
-10°	402.8	584.2	868.6	1405.6	2072.2	2653.6	3441.4	4337.0	5313.6	6468.9	7911.8
-12.5°	482.8	694.6	1002.8	1541.9	2280.5	3016.2	3890.8	4940.7	6060.6	7371.2	8780.3
-15°	553.7	793.3	1118.9	1650.0	2427.7	3315.2	4250.8	5456.4	6578.4	7758.3	9060.9
-17.5°	614.4	878.6	1214.4	1727.8	2505.6	3540.8	4448.6	5597.3	6767.5	7974.4	9296.3
-20°	663.6	948.8	1287.4	1773.3	2521.5	3541.6	4383.6	5508.5	6808.1	8125.8	9417.1



REPORT NUMBER: P1212177 (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°	700.4	1002.7	1347.8	1834.8	2512.5	3394.4	4278.9	5299.9	6682.7	8206.2	9553.5
-25°	728.3	1040.8	1402.3	1869.0	2478.5	3241.3	4120.0	4998.1	6382.2	8064.7	9703.9
-27.5°	746.2	1061.7	1436.0	1881.3	2431.2	3109.5	3928.2	4781.2	6009.1	7733.3	9657.4
-30°	748.5	1069.7	1447.2	1879.3	2411.6	3037.0	3741.5	4615.9	5577.5	7177.0	9095.9
-32.5°	744.6	1062.9	1441.5	1873.3	2379.4	2954.0	3628.8	4482.3	5392.6	6400.9	8289.7
-35°	742.8	1054.5	1418.4	1839.7	2324.1	2887.9	3548.5	4315.8	5200.7	6067.9	7456.9
-37.5°	741.5	1034.1	1376.1	1786.5	2259.4	2802.5	3419.2	4147.6	4969.6	5927.9	7017.7
-40°	729.1	1001.7	1334.5	1719.5	2170.4	2689.3	3278.7	3944.7	4713.9	5699.3	6796.8
-42.5°	707.9	974.9	1285.2	1633.3	2074.1	2560.9	3097.7	3725.8	4478.6	5393.3	6421.1
-45°	691.2	935.6	1225.5	1567.4	1961.6	2415.5	2922.2	3477.5	4210.7	5022.8	5969.8
-47.5°	661.6	887.4	1165.6	1481.4	1847.6	2264.8	2725.7	3280.9	3906.8	4648.3	5452.2
-50°	624.2	835.9	1092.2	1391.2	1725.8	2105.7	2532.8	3057.6	3641.2	4266.1	4975.6
-52.5°	589.5	769.9	1013.1	1289.8	1598.2	1941.8	2346.4	2821.2	3352.3	3925.3	4556.7
-55°	545.4	711.0	921.4	1178.3	1464.0	1776.1	2146.3	2576.6	3038.6	3563.2	4142.6
-57.5°	506.0	647.4	832.6	1054.3	1317.3	1607.3	1947.6	2318.7	2738.6	3190.1	3702.3
-60°	467.7	585.8	742.1	934.9	1156.1	1427.4	1732.9	2067.2	2429.7	2817.1	3259.1
-62.5°	428.2	529.3	656.2	812.8	1006.7	1235.1	1507.1	1802.6	2115.4	2454.5	2816.3
-65°	406.7	474.5	575.7	704.8	851.7	1050.9	1278.0	1528.3	1805.5	2084.0	2381.9
-67.5°	381.8	441.2	510.4	596.7	724.5	878.3	1042.8	1254.2	1484.4	1712.8	1948.2
-70°	363.8	406.5	463.3	531.0	612.2	723.3	866.2	1017.7	1179.2	1361.3	1567.1
-72.5°	346.5	385.9	427.1	470.0	538.8	625.0	719.0	820.1	950.2	1102.4	1256.1
-75°	333.4	364.6	401.5	440.5	488.8	545.0	607.4	690.3	790.2	901.2	1015.0
-77.5°	323.7	353.5	383.6	414.0	452.6	500.8	551.8	605.4	675.3	754.2	837.1
-80°	314.8	341.9	370.5	399.3	432.4	468.4	506.5	546.7	600.5	661.7	728.1
-82.5°	308.0	333.8	359.9	386.2	413.7	442.0	471.5	503.8	547.6	594.4	643.1
-85°	300.8	325.2	349.9	374.8	399.5	424.7	450.3	476.3	509.9	544.7	580.3
-87.5°	294.3	318.0	341.7	365.4	386.8	408.5	430.4	452.6	479.7	507.1	534.8
-90°	77.2	74.7	72.2	69.7	66.7	63.6	60.6	57.5	54.2	51.0	47.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	519.9	554.5	589.1	623.6	658.2	705.6	753.1	800.5	847.9	894.1	940.3
87.5°	44.4	41.2	37.9	34.6	31.3	28.1	24.8	21.5	18.2	15.4	12.7
85°	44.5	41.3	38.0	34.7	31.4	28.1	24.8	21.6	18.3	15.2	12.2
82.5°	44.7	41.4	38.1	34.8	31.5	28.3	25.0	21.7	18.4	15.3	12.3
80°	44.9	41.6	38.3	35.0	31.7	28.4	25.1	21.8	18.5	15.4	12.3
77.5°	45.2	41.9	38.5	35.0	31.5	28.1	24.6	21.2	17.8	14.8	12.0
75°	45.6	42.2	38.6	35.2	31.8	28.4	25.0	21.5	17.9	14.9	12.0
72.5°	46.1	42.7	39.4	36.1	32.7	29.2	25.7	22.3	18.9	15.7	12.7
70°	46.6	43.3	39.9	36.5	33.1	29.7	26.1	22.5	18.7	15.4	12.4
67.5°	47.2	43.9	40.5	37.1	33.6	30.1	26.4	22.6	18.9	15.5	12.5
65°	47.9	44.5	41.1	37.7	34.2	30.5	26.7	22.9	19.2	15.8	12.8
62.5°	48.7	45.3	41.8	38.1	34.2	30.3	26.8	23.2	19.6	16.0	12.7
60°	49.6	46.2	42.6	38.8	35.0	31.1	27.4	23.8	20.1	16.5	13.2
57.5°	50.6	47.1	43.5	39.7	35.9	31.9	28.1	24.4	20.6	16.9	13.7
55°	51.6	48.2	44.6	40.8	36.9	32.9	28.9	25.1	21.3	17.4	14.0
52.5°	52.8	49.3	45.8	42.0	38.0	33.9	29.8	25.9	22.0	18.0	14.5
50°	54.1	50.7	47.1	43.3	39.2	35.1	30.9	26.9	22.8	18.7	14.9
47.5°	55.9	52.6	48.6	44.7	40.6	36.4	32.1	27.9	23.7	19.5	15.4
45°	57.9	53.8	49.9	46.2	42.1	37.9	33.5	29.0	24.7	20.4	16.1
42.5°	59.0	55.3	51.6	47.8	43.9	39.5	35.0	30.3	25.9	21.3	16.8
40°	60.7	57.2	53.5	49.7	45.7	41.3	36.7	31.9	27.3	22.6	17.7
37.5°	62.9	59.3	55.8	52.1	47.9	43.3	38.7	34.2	29.5	24.1	18.8
35°	65.5	62.1	58.7	54.6	50.3	45.6	41.1	36.1	30.4	25.5	20.1
32.5°	68.3	65.0	61.4	57.6	53.4	49.0	44.0	39.8	34.5	29.5	24.3
30°	71.1	68.1	65.3	61.7	57.8	54.3	50.6	47.3	43.5	38.3	32.7
27.5°	74.7	72.8	70.6	66.7	64.9	62.8	61.6	59.2	55.3	50.7	39.8
25°	79.3	78.7	75.4	74.5	74.7	75.0	73.6	71.1	61.8	51.0	36.9
22.5°	85.0	84.0	82.9	84.5	86.8	88.3	84.6	77.1	60.2	42.4	32.1
20°	90.9	90.6	94.3	100.8	103.7	107.7	99.5	79.5	59.0	56.0	55.1
17.5°	109.7	101.4	114.1	132.3	141.4	129.7	114.8	89.2	79.5	80.2	77.3
15°	144.0	149.4	161.6	181.3	192.2	175.5	139.0	130.8	123.4	131.0	138.5
12.5°	191.1	223.3	275.3	319.1	258.3	238.5	232.9	216.2	221.3	228.1	243.0
10°	338.8	320.1	439.0	573.9	686.4	744.2	395.8	573.3	750.6	829.5	572.0
7.5°	717.5	971.7	1171.5	1233.2	1355.4	2512.2	4045.9	5754.3	7971.5	16636.1	19293.7
5°	1139.3	1788.5	2464.7	3398.6	4198.0	6073.1	9984.9	23979.3	40628.5	73269.8	120414.0
2.5°	2287.1	3223.2	4183.6	5885.1	7561.8	10649.4	16531.1	36060.1	73312.4	130885.8	191412.4
0°	4490.1	6102.2	7681.0	10403.5	12887.8	18894.1	30250.5	64026.0	123666.9	217823.3	319281.0
-2.5°	5989.7	7751.0	9595.2	12509.6	16017.1	23577.6	38433.1	78943.7	154255.2	265465.8	390357.3
-5°	7322.9	9313.9	11556.6	14774.2	18725.6	25596.8	41142.0	78180.9	152434.7	256316.5	370434.7
-7.5°	8529.6	10695.8	13281.9	16683.8	20934.9	27417.5	42673.4	77357.6	139207.8	230884.9	332074.9
-10°	9644.7	11833.3	14613.5	18000.6	22493.8	28710.1	39394.5	67251.5	117898.8	199302.4	290403.5
-12.5°	10522.1	12753.6	15578.5	18756.8	23223.6	29685.2	39784.2	60829.6	99592.9	156898.5	237464.4
-15°	11053.4	13470.1	16324.2	19627.1	24111.3	30156.7	38542.8	54230.1	83631.4	130448.5	187691.0
-17.5°	11244.0	13844.2	16755.8	20124.0	24256.2	30038.4	38608.7	51145.3	74028.2	111270.0	151471.9
-20°	11120.7	13824.3	16751.5	20114.6	24340.7	29801.0	36858.8	49532.2	68754.8	97008.6	128973.1



REPORT NUMBER: P1212177 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-70-1S-ECV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11195.8	13544.6	16425.0	19830.6	24123.5	29153.2	35969.5	47224.5	62726.4	87227.6	114318.6
-25°	11225.8	13072.9	16029.8	19614.2	23571.6	28211.3	35105.3	43571.2	59006.9	79800.0	104174.8
-27.5°	11207.3	13044.6	15570.6	19004.4	22752.6	27335.4	33258.8	41050.0	54439.8	70218.4	91976.8
-30°	11198.0	13082.5	15365.2	18071.1	21853.5	26165.3	30841.7	38772.6	49435.8	62484.5	79881.2
-32.5°	10684.4	13076.7	15078.3	17518.5	20601.3	24534.5	29191.7	35979.6	44046.7	55113.6	68616.6
-35°	9837.4	12313.5	14811.0	16943.9	19475.8	22684.8	27192.4	32784.0	38915.6	48161.8	58340.9
-37.5°	8605.0	11094.7	13636.6	16215.9	18516.5	21097.6	25050.0	29548.3	34754.4	41764.3	49372.6
-40°	7948.6	9411.2	11972.9	14575.8	17070.3	20088.9	23236.0	26688.5	31098.6	36401.1	41924.0
-42.5°	7548.6	8792.5	10172.2	12369.7	14979.8	18070.3	21134.9	24277.0	28073.2	32109.4	36211.6
-45°	7015.4	8224.6	9507.1	10872.0	12653.3	15491.0	18442.5	21520.4	24904.3	28306.8	31410.3
-47.5°	6446.6	7542.2	8718.1	9959.7	11681.0	13636.8	15762.7	18276.1	21315.3	24368.3	26920.6
-50°	5854.5	6822.4	7879.4	9050.2	10550.1	12192.9	13946.9	16098.7	18404.2	20757.0	22542.4
-52.5°	5264.0	6113.1	7025.8	8097.0	9352.6	10702.8	12175.1	14072.3	16010.0	17958.0	19274.5
-55°	4774.7	5457.0	6178.8	7137.1	8176.7	9255.7	10499.2	12075.7	13700.8	15352.0	16471.2
-57.5°	4265.4	4853.9	5500.6	6292.5	7121.1	7979.7	9031.7	10255.4	11523.9	12779.8	13655.3
-60°	3739.4	4254.7	4835.2	5490.5	6185.6	6913.8	7767.3	8687.5	9640.7	10541.1	11191.1
-62.5°	3200.5	3627.0	4143.1	4691.6	5249.8	5835.6	6563.1	7301.2	8041.7	8689.0	9149.3
-65°	2704.2	3050.4	3474.0	3924.1	4394.9	4900.8	5482.9	6072.8	6665.1	7162.5	7536.9
-67.5°	2211.7	2498.7	2841.5	3191.1	3564.1	3982.7	4462.2	4945.5	5428.3	5818.5	6125.9
-70°	1772.3	1995.6	2256.1	2530.5	2830.5	3171.0	3554.6	3934.1	4307.9	4594.0	4825.9
-72.5°	1411.0	1591.3	1807.8	2040.4	2271.3	2540.9	2841.3	3143.8	3446.4	3671.9	3862.7
-75°	1131.0	1272.1	1442.2	1618.3	1799.1	2018.8	2257.5	2498.9	2741.1	2925.9	3090.7
-77.5°	931.5	1049.0	1174.6	1302.0	1430.8	1593.8	1766.8	1940.4	2113.8	2253.1	2384.6
-80°	797.1	887.2	982.9	1080.2	1178.7	1307.9	1443.7	1581.0	1719.1	1831.2	1939.5
-82.5°	693.4	764.9	839.9	916.2	993.4	1093.4	1196.5	1300.4	1404.8	1494.3	1582.2
-85°	616.7	672.5	730.1	788.6	847.9	924.8	1002.9	1081.3	1159.9	1232.5	1304.8
-87.5°	562.6	606.2	650.3	694.6	739.2	800.5	862.2	924.1	986.1	1042.5	1098.7
-90°	44.4	41.1	37.9	34.6	31.3	28.0	24.8	21.5	18.2	15.4	12.7



REPORT NUMBER: P1212177 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-1S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	986.5	1032.7	1047.4	1062.0	1047.4	1032.7	986.5	940.3	894.1	847.9	800.5
87.5°	9.9	7.1	4.6	2.0	4.6	7.1	9.9	12.7	15.4	18.2	21.5
85°	9.2	6.1	4.1	2.0	4.1	6.1	9.2	12.2	15.2	18.3	21.6
82.5°	9.2	6.2	4.1	2.0	4.1	6.2	9.2	12.3	15.3	18.4	21.7
80°	9.3	6.2	4.1	2.0	4.1	6.2	9.3	12.3	15.4	18.5	21.8
77.5°	9.1	6.2	4.1	2.0	4.1	6.2	9.1	12.0	14.8	17.8	21.2
75°	9.2	6.3	3.6	1.0	3.6	6.3	9.2	12.0	14.9	17.9	21.5
72.5°	9.5	6.4	4.6	3.0	4.6	6.4	9.5	12.7	15.7	18.9	22.3
70°	9.4	6.5	4.2	2.0	4.2	6.5	9.4	12.4	15.4	18.7	22.5
67.5°	9.6	6.6	4.2	2.0	4.2	6.6	9.6	12.5	15.5	18.9	22.6
65°	9.7	6.7	3.8	1.0	3.8	6.7	9.7	12.8	15.8	19.2	22.9
62.5°	9.3	5.8	3.3	1.0	3.3	5.8	9.3	12.7	16.0	19.6	23.2
60°	10.1	6.9	4.4	2.0	4.4	6.9	10.1	13.2	16.5	20.1	23.8
57.5°	10.4	7.1	4.0	1.0	4.0	7.1	10.4	13.7	16.9	20.6	24.4
55°	10.7	7.3	4.1	1.0	4.1	7.3	10.7	14.0	17.4	21.3	25.1
52.5°	11.0	7.5	4.2	1.0	4.2	7.5	11.0	14.5	18.0	22.0	25.9
50°	11.4	7.8	4.0	0.0	4.0	7.8	11.4	14.9	18.7	22.8	26.9
47.5°	11.3	7.2	3.7	1.0	3.7	7.2	11.3	15.4	19.5	23.7	27.9
45°	12.2	8.3	4.6	1.0	4.6	8.3	12.2	16.1	20.4	24.7	29.0
42.5°	12.8	8.7	4.5	0.0	4.5	8.7	12.8	16.8	21.3	25.9	30.3
40°	13.4	9.2	5.0	1.0	5.0	9.2	13.4	17.7	22.6	27.3	31.9
37.5°	14.1	9.6	5.2	1.0	5.2	9.6	14.1	18.8	24.1	29.5	34.2
35°	14.9	10.2	5.3	0.0	5.3	10.2	14.9	20.1	25.5	30.4	36.1
32.5°	18.3	12.3	5.7	1.0	5.7	12.3	18.3	24.3	29.5	34.5	39.8
30°	25.5	17.8	9.0	0.0	9.0	17.8	25.5	32.7	38.3	43.5	47.3
27.5°	29.4	20.3	11.7	0.0	11.7	20.3	29.4	39.8	50.7	55.3	59.2
25°	25.0	17.5	13.5	6.1	13.5	17.5	25.0	36.9	51.0	61.8	71.1
22.5°	33.6	32.2	25.8	21.2	25.8	32.2	33.6	32.1	42.4	60.2	77.1
20°	53.6	50.3	47.7	43.4	47.7	50.3	53.6	55.1	56.0	59.0	79.5
17.5°	84.5	84.9	81.6	77.7	81.6	84.9	84.5	77.3	80.2	79.5	89.2
15°	144.5	142.7	135.7	130.2	135.7	142.7	144.5	138.5	131.0	123.4	130.8
12.5°	236.1	230.8	220.7	213.5	220.7	230.8	236.1	243.0	228.1	221.3	216.2
10°	887.2	931.9	663.5	405.8	663.5	931.9	887.2	572.0	829.5	750.6	573.3
7.5°	27495.2	37493.8	46859.5	54549.2	46859.5	37493.8	27495.2	19293.7	16636.1	7971.5	5754.3
5°	168309.5	222094.1	252888.5	273719.1	252888.5	222094.1	168309.5	120414.0	73269.8	40628.5	23979.3
2.5°	281916.9	370164.0	433016.8	473463.9	433016.8	370164.0	281916.9	191412.4	130885.8	73312.4	36060.1
0°	442714.2	568053.3	674941.5	725475.6	674941.5	568053.3	442714.2	319281.0	217823.3	123666.9	64026.0
-2.5°	527606.6	663881.4	767639.8	807643.1	767639.8	663881.4	527606.6	390357.3	265465.8	154255.2	78943.7
-5°	492984.2	593328.5	659625.4	680832.2	659625.4	593328.5	492984.2	370434.7	256316.5	152434.7	78180.9
-7.5°	437478.1	512737.2	558109.2	572557.5	558109.2	512737.2	437478.1	332074.9	230884.9	139207.8	77357.6
-10°	380462.4	447610.2	484011.8	499276.8	484011.8	447610.2	380462.4	290403.5	199302.4	117898.8	67251.5
-12.5°	312157.1	377354.8	414812.8	427208.9	414812.8	377354.8	312157.1	237464.4	156898.5	99592.9	60829.6
-15°	248655.3	304525.8	342689.7	359645.3	342689.7	304525.8	248655.3	187691.0	130448.5	83631.4	54230.1
-17.5°	200255.8	247327.0	278709.8	290696.2	278709.8	247327.0	200255.8	151471.9	111270.0	74028.2	51145.3
-20°	167518.1	204415.6	229042.1	240110.1	229042.1	204415.6	167518.1	128973.1	97008.6	68754.8	49532.2



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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°	147179.2	176763.7	199852.7	209409.4	199852.7	176763.7	147179.2	114318.6	87227.6	62726.4	47224.5
-25°	131598.2	156077.4	176885.1	186415.9	176885.1	156077.4	131598.2	104174.8	79800.0	59006.9	43571.2
-27.5°	114984.6	134735.4	152808.5	162057.7	152808.5	134735.4	114984.6	91976.8	70218.4	54439.8	41050.0
-30°	97961.7	113135.7	127797.0	131266.1	127797.0	113135.7	97961.7	79881.2	62484.5	49435.8	38772.6
-32.5°	82069.0	93377.5	103741.7	108994.4	103741.7	93377.5	82069.0	68616.6	55113.6	44046.7	35979.6
-35°	67957.8	76439.5	83803.0	86715.6	83803.0	76439.5	67957.8	58340.9	48161.8	38915.6	32784.0
-37.5°	56427.6	62941.7	68186.6	69717.3	68186.6	62941.7	56427.6	49372.6	41764.3	34754.4	29548.3
-40°	46843.5	51753.6	55623.2	56870.9	55623.2	51753.6	46843.5	41924.0	36401.1	31098.6	26688.5
-42.5°	39404.5	42511.4	44789.1	45592.3	44789.1	42511.4	39404.5	36211.6	32109.4	28073.2	24277.0
-45°	33777.8	36057.3	37501.7	37754.8	37501.7	36057.3	33777.8	31410.3	28306.8	24904.3	21520.4
-47.5°	28845.1	30631.9	31668.0	31850.5	31668.0	30631.9	28845.1	26920.6	24368.3	21315.3	18276.1
-50°	23956.4	25291.2	26033.1	26207.6	26033.1	25291.2	23956.4	22542.4	20757.0	18404.2	16098.7
-52.5°	20349.4	21329.2	21783.4	21844.7	21783.4	21329.2	20349.4	19274.5	17958.0	16010.0	14072.3
-55°	17508.3	18476.3	18801.4	18703.3	18801.4	18476.3	17508.3	16471.2	15352.0	13700.8	12075.7
-57.5°	14492.8	15279.7	15719.3	15953.5	15719.3	15279.7	14492.8	13655.3	12779.8	11523.9	10255.4
-60°	11817.5	12408.8	12652.2	12723.2	12652.2	12408.8	11817.5	11191.1	10541.1	9640.7	8687.5
-62.5°	9580.7	9979.7	10173.1	10278.3	10173.1	9979.7	9580.7	9149.3	8689.0	8041.7	7301.2
-65°	7890.3	8219.4	8327.1	8360.3	8327.1	8219.4	7890.3	7536.9	7162.5	6665.1	6072.8
-67.5°	6415.1	6683.5	6699.6	6647.3	6699.6	6683.5	6415.1	6125.9	5818.5	5428.3	4945.5
-70°	5044.5	5248.8	5298.6	5312.8	5298.6	5248.8	5044.5	4825.9	4594.0	4307.9	3934.1
-72.5°	4044.6	4216.8	4256.7	4273.0	4256.7	4216.8	4044.6	3862.7	3671.9	3446.4	3143.8
-75°	3248.4	3398.4	3415.8	3415.0	3415.8	3398.4	3248.4	3090.7	2925.9	2741.1	2498.9
-77.5°	2513.1	2638.0	2663.2	2679.1	2663.2	2638.0	2513.1	2384.6	2253.1	2113.8	1940.4
-80°	2045.9	2150.1	2157.2	2158.2	2157.2	2150.1	2045.9	1939.5	1831.2	1719.1	1581.0
-82.5°	1669.0	1754.6	1770.1	1782.7	1770.1	1754.6	1669.0	1582.2	1494.3	1404.8	1300.4
-85°	1376.8	1448.3	1468.7	1487.9	1468.7	1448.3	1376.8	1304.8	1232.5	1159.9	1081.3
-87.5°	1154.8	1210.6	1226.8	1242.6	1226.8	1210.6	1154.8	1098.7	1042.5	986.1	924.1
-90°	9.9	7.1	5.0	3.0	5.0	7.1	9.9	12.7	15.4	18.2	21.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	753.1	705.6	658.2	623.6	589.1	554.5	519.9	497.4	475.0	452.5	430.0
87.5°	24.8	28.1	31.3	34.6	37.9	41.2	44.4	47.7	51.0	54.3	57.5
85°	24.8	28.1	31.4	34.7	38.0	41.3	44.5	47.8	51.1	54.4	57.6
82.5°	25.0	28.3	31.5	34.8	38.1	41.4	44.7	48.0	51.3	54.5	57.8
80°	25.1	28.4	31.7	35.0	38.3	41.6	44.9	48.2	51.5	54.8	58.0
77.5°	24.6	28.1	31.5	35.0	38.5	41.9	45.2	48.5	51.8	55.1	58.3
75°	25.0	28.4	31.8	35.2	38.6	42.2	45.6	48.9	52.2	55.5	58.7
72.5°	25.7	29.2	32.7	36.1	39.4	42.7	46.1	49.4	52.7	56.0	59.2
70°	26.1	29.7	33.1	36.5	39.9	43.3	46.6	49.9	53.3	56.6	59.7
67.5°	26.4	30.1	33.6	37.1	40.5	43.9	47.2	50.6	53.9	57.2	60.3
65°	26.7	30.5	34.2	37.7	41.1	44.5	47.9	51.3	54.6	57.9	60.9
62.5°	26.8	30.3	34.2	38.1	41.8	45.3	48.7	52.1	55.4	58.6	61.7
60°	27.4	31.1	35.0	38.8	42.6	46.2	49.6	53.0	56.3	59.5	62.5
57.5°	28.1	31.9	35.9	39.7	43.5	47.1	50.6	54.0	57.3	60.4	63.4
55°	28.9	32.9	36.9	40.8	44.6	48.2	51.6	55.0	58.3	61.4	64.4
52.5°	29.8	33.9	38.0	42.0	45.8	49.3	52.8	56.2	59.5	62.5	65.5
50°	30.9	35.1	39.2	43.3	47.1	50.7	54.1	57.6	60.7	63.7	66.7
47.5°	32.1	36.4	40.6	44.7	48.6	52.6	55.9	59.0	62.2	65.0	68.0
45°	33.5	37.9	42.1	46.2	49.9	53.8	57.9	61.1	64.0	66.9	69.4
42.5°	35.0	39.5	43.9	47.8	51.6	55.3	59.0	62.7	65.9	68.9	71.3
40°	36.7	41.3	45.7	49.7	53.5	57.2	60.7	64.2	67.6	70.6	73.0
37.5°	38.7	43.3	47.9	52.1	55.8	59.3	62.9	66.2	69.4	72.3	74.6
35°	41.1	45.6	50.3	54.6	58.7	62.1	65.5	68.5	71.5	74.0	76.4
32.5°	44.0	49.0	53.4	57.6	61.4	65.0	68.3	71.5	73.7	76.0	78.2
30°	50.6	54.3	57.8	61.7	65.3	68.1	71.1	74.1	76.4	78.3	80.2
27.5°	61.6	62.8	64.9	66.7	70.6	72.8	74.7	77.2	79.3	81.0	82.6
25°	73.6	75.0	74.7	74.5	75.4	78.7	79.3	81.0	82.7	84.0	85.9
22.5°	84.6	88.3	86.8	84.5	82.9	84.0	85.0	85.3	87.0	88.4	89.5
20°	99.5	107.7	103.7	100.8	94.3	90.6	90.9	93.3	94.7	94.1	93.5
17.5°	114.8	129.7	141.4	132.3	114.1	101.4	109.7	110.2	105.0	100.9	97.8
15°	139.0	175.5	192.2	181.3	161.6	149.4	144.0	132.7	118.7	109.5	113.2
12.5°	232.9	238.5	258.3	319.1	275.3	223.3	191.1	163.7	161.1	173.7	170.3
10°	395.8	744.2	686.4	573.9	439.0	320.1	338.8	337.4	313.0	275.2	237.4
7.5°	4045.9	2512.2	1355.4	1233.2	1171.5	971.7	717.5	583.3	484.2	388.0	311.6
5°	9984.9	6073.1	4198.0	3398.6	2464.7	1788.5	1139.3	847.9	667.1	507.4	393.8
2.5°	16531.1	10649.4	7561.8	5885.1	4183.6	3223.2	2287.1	1817.1	1515.8	1235.0	1016.5
0°	30250.5	18894.1	12887.8	10403.5	7681.0	6102.2	4490.1	3392.8	2678.1	2084.5	1644.4
-2.5°	38433.1	23577.6	16017.1	12509.6	9595.2	7751.0	5989.7	4441.8	3451.9	2791.6	2293.9
-5°	41142.0	25596.8	18725.6	14774.2	11556.6	9313.9	7322.9	5571.4	4330.1	3522.8	2917.9
-7.5°	42673.4	27417.5	20934.9	16683.8	13281.9	10695.8	8529.6	6796.3	5448.3	4460.5	3657.7
-10°	39394.5	28710.1	22493.8	18000.6	14613.5	11833.3	9644.7	7911.8	6468.9	5313.6	4337.0
-12.5°	39784.2	29685.2	23223.6	18756.8	15578.5	12753.6	10522.1	8780.3	7371.2	6060.6	4940.7
-15°	38542.8	30156.7	24111.3	19627.1	16324.2	13470.1	11053.4	9060.9	7758.3	6578.4	5456.4
-17.5°	38608.7	30038.4	24256.2	20124.0	16755.8	13844.2	11244.0	9296.3	7974.4	6767.5	5597.3
-20°	36858.8	29801.0	24340.7	20114.6	16751.5	13824.3	11120.7	9417.1	8125.8	6808.1	5508.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35969.5	29153.2	24123.5	19830.6	16425.0	13544.6	11195.8	9553.5	8206.2	6682.7	5299.9
-25°	35105.3	28211.3	23571.6	19614.2	16029.8	13072.9	11225.8	9703.9	8064.7	6382.2	4998.1
-27.5°	33258.8	27335.4	22752.6	19004.4	15570.6	13044.6	11207.3	9657.4	7733.3	6009.1	4781.2
-30°	30841.7	26165.3	21853.5	18071.1	15365.2	13082.5	11198.0	9095.9	7177.0	5577.5	4615.9
-32.5°	29191.7	24534.5	20601.3	17518.5	15078.3	13076.7	10684.4	8289.7	6400.9	5392.6	4482.3
-35°	27192.4	22684.8	19475.8	16943.9	14811.0	12313.5	9837.4	7456.9	6067.9	5200.7	4315.8
-37.5°	25050.0	21097.6	18516.5	16215.9	13636.6	11094.7	8605.0	7017.7	5927.9	4969.6	4147.6
-40°	23236.0	20088.9	17070.3	14575.8	11972.9	9411.2	7948.6	6796.8	5699.3	4713.9	3944.7
-42.5°	21134.9	18070.3	14979.8	12369.7	10172.2	8792.5	7548.6	6421.1	5393.3	4478.6	3725.8
-45°	18442.5	15491.0	12653.3	10872.0	9507.1	8224.6	7015.4	5969.8	5022.8	4210.7	3477.5
-47.5°	15762.7	13636.8	11681.0	9959.7	8718.1	7542.2	6446.6	5452.2	4648.3	3906.8	3280.9
-50°	13946.9	12192.9	10550.1	9050.2	7879.4	6822.4	5854.5	4975.6	4266.1	3641.2	3057.6
-52.5°	12175.1	10702.8	9352.6	8097.0	7025.8	6113.1	5264.0	4556.7	3925.3	3352.3	2821.2
-55°	10499.2	9255.7	8176.7	7137.1	6178.8	5457.0	4774.7	4142.6	3563.2	3038.6	2576.6
-57.5°	9031.7	7979.7	7121.1	6292.5	5500.6	4853.9	4265.4	3702.3	3190.1	2738.6	2318.7
-60°	7767.3	6913.8	6185.6	5490.5	4835.2	4254.7	3739.4	3259.1	2817.1	2429.7	2067.2
-62.5°	6563.1	5835.6	5249.8	4691.6	4143.1	3627.0	3200.5	2816.3	2454.5	2115.4	1802.6
-65°	5482.9	4900.8	4394.9	3924.1	3474.0	3050.4	2704.2	2381.9	2084.0	1805.5	1528.3
-67.5°	4462.2	3982.7	3564.1	3191.1	2841.5	2498.7	2211.7	1948.2	1712.8	1484.4	1254.2
-70°	3554.6	3171.0	2830.5	2530.5	2256.1	1995.6	1772.3	1567.1	1361.3	1179.2	1017.7
-72.5°	2841.3	2540.9	2271.3	2040.4	1807.8	1591.3	1411.0	1256.1	1102.4	950.2	820.1
-75°	2257.5	2018.8	1799.1	1618.3	1442.2	1272.1	1131.0	1015.0	901.2	790.2	690.3
-77.5°	1766.8	1593.8	1430.8	1302.0	1174.6	1049.0	931.5	837.1	754.2	675.3	605.4
-80°	1443.7	1307.9	1178.7	1080.2	982.9	887.2	797.1	728.1	661.7	600.5	546.7
-82.5°	1196.5	1093.4	993.4	916.2	839.9	764.9	693.4	643.1	594.4	547.6	503.8
-85°	1002.9	924.8	847.9	788.6	730.1	672.5	616.7	580.3	544.7	509.9	476.3
-87.5°	862.2	800.5	739.2	694.6	650.3	606.2	562.6	534.8	507.1	479.7	452.6
-90°	24.8	28.0	31.3	34.6	37.9	41.1	44.4	47.7	51.0	54.2	57.5



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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°	411.6	393.2	374.7	356.3	333.3	310.4	287.4	264.5	239.2	214.0	188.7
87.5°	60.6	63.6	66.7	69.7	72.2	74.7	77.2	79.7	81.5	83.3	85.0
85°	60.7	63.7	66.8	69.8	72.3	74.8	77.3	79.8	81.5	83.3	85.1
82.5°	60.8	63.9	66.9	69.9	72.4	74.9	77.4	79.8	81.6	83.4	85.1
80°	61.1	64.1	67.2	70.1	72.6	75.1	77.6	79.9	81.7	83.4	85.2
77.5°	61.4	64.4	67.5	70.3	72.8	75.3	77.8	80.1	81.8	83.6	85.3
75°	61.8	64.8	67.8	70.6	73.1	75.6	78.0	80.2	82.0	83.7	85.4
72.5°	62.2	65.2	68.2	71.0	73.4	75.9	78.3	80.4	82.1	83.9	85.6
70°	62.7	65.7	68.7	71.4	73.8	76.2	78.6	80.6	82.3	84.0	85.7
67.5°	63.3	66.3	69.3	71.8	74.2	76.6	79.0	80.9	82.6	84.3	85.9
65°	64.0	67.0	69.9	72.3	74.7	77.1	79.4	81.2	82.8	84.5	86.1
62.5°	64.7	67.7	70.5	72.9	75.2	77.6	79.9	81.5	83.1	84.7	86.4
60°	65.5	68.5	71.1	73.5	75.8	78.1	80.2	81.8	83.4	85.0	86.6
57.5°	66.4	69.4	71.8	74.1	76.5	78.7	80.6	82.2	83.8	85.3	86.9
55°	67.4	70.2	72.5	74.9	77.1	79.4	81.1	82.6	84.1	85.7	87.1
52.5°	68.5	71.1	73.4	75.6	77.9	80.0	81.7	83.0	84.5	86.0	87.3
50°	69.6	72.2	74.4	76.5	78.7	80.6	82.3	83.7	85.0	86.4	87.6
47.5°	70.7	73.2	75.6	77.5	79.5	81.3	82.9	84.4	85.4	86.8	87.9
45°	71.9	74.1	76.8	78.9	80.3	82.0	83.6	85.1	86.1	87.2	88.3
42.5°	73.3	75.3	77.6	80.4	81.5	82.7	84.3	85.8	86.9	87.6	88.7
40°	75.0	76.9	78.6	81.0	82.7	83.5	85.0	86.4	87.7	88.2	89.1
37.5°	76.6	78.6	80.3	81.8	83.8	84.6	85.7	87.1	88.6	89.0	89.5
35°	78.4	80.1	81.9	83.0	84.7	85.8	86.5	87.8	89.3	89.9	90.0
32.5°	80.4	81.7	83.2	84.5	85.8	87.0	87.5	88.9	90.2	90.9	90.6
30°	82.2	83.6	84.7	85.9	87.1	88.1	88.9	90.1	91.0	91.9	91.2
27.5°	84.2	85.6	86.4	87.4	88.5	89.5	90.9	91.6	92.0	92.8	92.0
25°	86.7	87.6	88.3	89.0	89.7	92.4	93.1	93.3	93.2	93.6	92.9
22.5°	89.9	89.9	90.2	90.7	93.5	95.7	95.6	95.2	94.5	94.5	93.8
20°	93.5	92.4	93.5	96.9	98.2	99.2	98.4	97.2	96.0	95.4	94.6
17.5°	97.4	102.0	104.9	104.7	103.6	103.0	101.4	99.3	97.6	96.3	95.5
15°	123.1	122.9	118.6	113.6	109.4	107.1	104.7	101.5	99.2	97.2	97.3
12.5°	159.7	147.5	134.0	123.6	115.7	111.4	108.0	103.7	100.9	99.8	100.1
10°	201.2	174.8	150.8	134.3	122.2	115.9	111.4	108.0	105.8	103.7	102.9
7.5°	246.1	203.9	168.5	145.4	134.7	130.3	124.1	116.6	111.2	107.8	105.7
5°	364.3	322.0	263.5	216.6	180.2	156.1	138.6	125.5	116.6	111.9	108.6
2.5°	796.2	583.6	410.7	299.2	227.0	182.7	153.2	134.5	121.9	116.0	111.4
0°	1232.6	846.9	558.2	381.6	273.6	209.0	167.6	143.3	127.2	120.1	114.1
-2.5°	1801.0	1321.5	1012.4	693.9	431.7	304.6	231.3	174.5	144.2	130.9	121.2
-5°	2344.7	1785.9	1447.6	988.9	583.0	396.9	292.3	204.6	160.8	141.4	128.2
-7.5°	2915.7	2238.3	1812.2	1243.6	722.6	483.8	348.5	232.7	176.7	151.5	134.9
-10°	3441.4	2653.6	2072.2	1405.6	868.6	584.2	402.8	258.1	191.6	161.1	141.4
-12.5°	3890.8	3016.2	2280.5	1541.9	1002.8	694.6	482.8	306.3	208.3	170.1	147.5
-15°	4250.8	3315.2	2427.7	1650.0	1118.9	793.3	553.7	360.8	245.4	184.6	153.1
-17.5°	4448.6	3540.8	2505.6	1727.8	1214.4	878.6	614.4	407.5	277.9	205.7	163.2
-20°	4383.6	3541.6	2521.5	1773.3	1287.4	948.8	663.6	445.2	305.0	224.4	176.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4278.9	3394.4	2512.5	1834.8	1347.8	1002.7	700.4	472.8	326.2	240.4	187.3
-25°	4120.0	3241.3	2478.5	1869.0	1402.3	1040.8	728.3	489.6	340.7	253.5	197.0
-27.5°	3928.2	3109.5	2431.2	1881.3	1436.0	1061.7	746.2	506.7	351.4	263.5	205.0
-30°	3741.5	3037.0	2411.6	1879.3	1447.2	1069.7	748.5	514.5	362.8	272.1	211.1
-32.5°	3628.8	2954.0	2379.4	1873.3	1441.5	1062.9	744.6	512.0	369.5	279.0	216.7
-35°	3548.5	2887.9	2324.1	1839.7	1418.4	1054.5	742.8	499.1	371.4	283.2	221.4
-37.5°	3419.2	2802.5	2259.4	1786.5	1376.1	1034.1	741.5	508.0	368.4	284.4	224.7
-40°	3278.7	2689.3	2170.4	1719.5	1334.5	1001.7	729.1	515.2	365.5	282.8	226.7
-42.5°	3097.7	2560.9	2074.1	1633.3	1285.2	974.9	707.9	511.9	369.2	282.0	227.4
-45°	2922.2	2415.5	1961.6	1567.4	1225.5	935.6	691.2	499.9	367.6	281.1	228.0
-47.5°	2725.7	2264.8	1847.6	1481.4	1165.6	887.4	661.6	488.9	359.7	278.6	229.3
-50°	2532.8	2105.7	1725.8	1391.2	1092.2	835.9	624.2	469.7	355.7	276.7	229.5
-52.5°	2346.4	1941.8	1598.2	1289.8	1013.1	769.9	589.5	444.2	346.9	275.3	228.6
-55°	2146.3	1776.1	1464.0	1178.3	921.4	711.0	545.4	425.5	333.5	273.6	226.8
-57.5°	1947.6	1607.3	1317.3	1054.3	832.6	647.4	506.0	401.2	325.1	270.0	224.7
-60°	1732.9	1427.4	1156.1	934.9	742.1	585.8	467.7	377.7	317.0	265.1	222.4
-62.5°	1507.1	1235.1	1006.7	812.8	656.2	529.3	428.2	363.7	306.7	260.7	219.4
-65°	1278.0	1050.9	851.7	704.8	575.7	474.5	406.7	347.2	298.4	255.3	216.2
-67.5°	1042.8	878.3	724.5	596.7	510.4	441.2	381.8	333.9	289.8	248.8	213.5
-70°	866.2	723.3	612.2	531.0	463.3	406.5	363.8	321.4	280.0	244.7	210.3
-72.5°	719.0	625.0	538.8	470.0	427.1	385.9	346.5	309.1	274.3	240.1	206.7
-75°	607.4	545.0	488.8	440.5	401.5	364.6	333.4	301.7	268.1	235.0	204.3
-77.5°	551.8	500.8	452.6	414.0	383.6	353.5	323.7	293.6	262.1	231.9	202.1
-80°	506.5	468.4	432.4	399.3	370.5	341.9	314.8	287.7	258.0	228.5	199.4
-82.5°	471.5	442.0	413.7	386.2	359.9	333.8	308.0	282.1	253.3	224.8	196.8
-85°	450.3	424.7	399.5	374.8	349.9	325.2	300.8	276.4	248.8	221.5	194.5
-87.5°	430.4	408.5	386.8	365.4	341.7	318.0	294.3	270.7	244.3	218.0	191.8
-90°	60.6	63.6	66.7	69.7	72.2	74.7	77.2	79.7	81.5	83.3	85.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	163.5	148.6	133.7	118.9	104.0	98.4	92.9
87.5°	86.8	88.1	89.4	90.6	91.9	92.4	92.9
85°	86.8	88.1	89.4	90.6	91.9	92.4	92.9
82.5°	86.9	88.1	89.4	90.7	91.9	92.4	92.9
80°	86.9	88.2	89.4	90.7	91.9	92.4	92.9
77.5°	87.0	88.2	89.5	90.7	91.9	92.4	92.9
75°	87.0	88.3	89.5	90.8	91.9	92.4	92.9
72.5°	87.1	88.4	89.6	90.8	91.9	92.4	92.9
70°	87.2	88.4	89.7	90.9	92.0	92.4	92.9
67.5°	87.4	88.5	89.7	90.9	92.0	92.4	92.9
65°	87.5	88.7	89.8	91.0	92.0	92.4	92.9
62.5°	87.6	88.8	89.9	91.1	92.0	92.5	92.9
60°	87.8	88.9	90.0	91.1	92.0	92.5	92.9
57.5°	88.0	89.0	90.1	91.2	92.1	92.5	92.9
55°	88.1	89.2	90.3	91.3	92.1	92.5	92.9
52.5°	88.3	89.4	90.4	91.4	92.2	92.5	92.9
50°	88.5	89.5	90.5	91.5	92.3	92.5	92.9
47.5°	88.8	89.7	90.7	91.6	92.3	92.5	92.9
45°	89.1	89.9	90.8	91.7	92.4	92.5	92.9
42.5°	89.4	90.1	91.0	91.9	92.5	92.6	92.9
40°	89.8	90.3	91.2	92.0	92.6	92.6	92.9
37.5°	90.1	90.5	91.3	92.2	92.7	92.6	92.9
35°	90.6	90.8	91.5	92.4	92.9	92.6	92.9
32.5°	91.0	91.2	91.7	92.7	93.0	92.6	92.9
30°	91.4	91.5	91.9	92.9	93.1	92.6	92.9
27.5°	91.9	91.9	92.4	93.2	93.3	92.7	92.9
25°	92.4	92.2	93.0	93.5	93.4	92.7	92.9
22.5°	92.9	92.8	93.7	93.8	93.6	92.7	92.9
20°	93.4	94.0	94.4	94.1	93.7	92.7	92.9
17.5°	94.7	95.2	95.1	94.5	93.9	92.7	92.9
15°	96.6	96.4	95.9	94.8	94.0	92.8	92.9
12.5°	98.6	97.7	96.8	95.2	94.2	92.8	92.9
10°	100.7	98.9	97.6	95.5	94.3	92.8	92.9
7.5°	102.8	100.2	98.4	95.9	94.5	92.8	92.9
5°	104.9	101.5	99.3	96.2	94.6	92.9	92.9
2.5°	107.0	102.8	100.1	96.6	94.8	92.9	92.9
0°	109.0	104.0	100.9	96.9	94.9	92.9	92.9
-2.5°	113.8	106.8	102.8	98.2	95.6	93.2	92.9
-5°	118.6	109.5	104.8	99.4	96.3	93.5	92.9
-7.5°	123.1	112.2	106.6	100.6	97.0	93.8	92.9
-10°	127.4	114.8	108.4	101.8	97.6	94.1	92.9
-12.5°	131.4	117.3	110.1	103.0	98.3	94.4	92.9
-15°	135.0	119.7	111.8	104.1	98.9	94.7	92.9
-17.5°	138.2	122.0	113.3	105.1	99.5	95.0	92.9
-20°	143.0	124.1	114.8	106.1	100.1	95.3	92.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	150.6	126.2	116.2	107.1	100.7	95.6	92.9
-25°	157.4	130.7	117.4	108.0	101.2	95.8	92.9
-27.5°	163.4	135.9	118.5	108.8	101.7	96.1	92.9
-30°	168.6	140.7	119.7	109.6	102.2	96.3	92.9
-32.5°	172.9	145.0	122.8	110.3	102.6	96.6	92.9
-35°	177.5	148.9	125.5	110.9	103.0	96.8	92.9
-37.5°	181.9	152.2	127.9	111.5	103.4	97.0	92.9
-40°	185.5	155.0	130.0	112.0	103.7	97.2	92.9
-42.5°	188.4	157.4	131.9	112.7	104.0	97.4	92.9
-45°	190.4	159.2	133.7	114.0	104.3	97.6	92.9
-47.5°	191.7	160.6	135.2	115.2	104.5	97.7	92.9
-50°	192.4	161.4	136.4	116.3	104.7	97.9	92.9
-52.5°	192.5	161.8	137.4	117.3	104.9	98.0	92.9
-55°	191.9	162.2	138.0	118.2	105.0	98.2	92.9
-57.5°	190.7	162.2	138.3	118.9	105.1	98.3	92.9
-60°	188.9	161.9	138.4	119.5	105.1	98.4	92.9
-62.5°	187.4	161.2	138.8	120.0	105.2	98.4	92.9
-65°	185.4	160.0	139.0	120.3	105.3	98.5	92.9
-67.5°	182.8	159.1	139.0	120.5	105.3	98.6	92.9
-70°	179.8	158.5	138.8	120.6	105.3	98.6	92.9
-72.5°	178.1	157.6	138.4	120.7	105.2	98.6	92.9
-75°	176.2	156.5	137.9	120.8	105.1	98.6	92.9
-77.5°	174.0	155.1	137.5	120.7	105.0	98.6	92.9
-80°	171.6	154.0	137.0	120.5	104.9	98.6	92.9
-82.5°	169.8	152.9	136.4	120.2	104.7	98.6	92.9
-85°	167.9	151.6	135.6	119.9	104.5	98.6	92.9
-87.5°	165.8	150.2	134.7	119.4	104.3	98.5	92.9
-90°	86.8	88.1	89.4	90.6	91.9	92.4	92.9

(END OF REPORT)