

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

(formerly Eaton)

Brand: EPHESUS

Report Number: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-1R-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-47)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-70-1R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 1R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

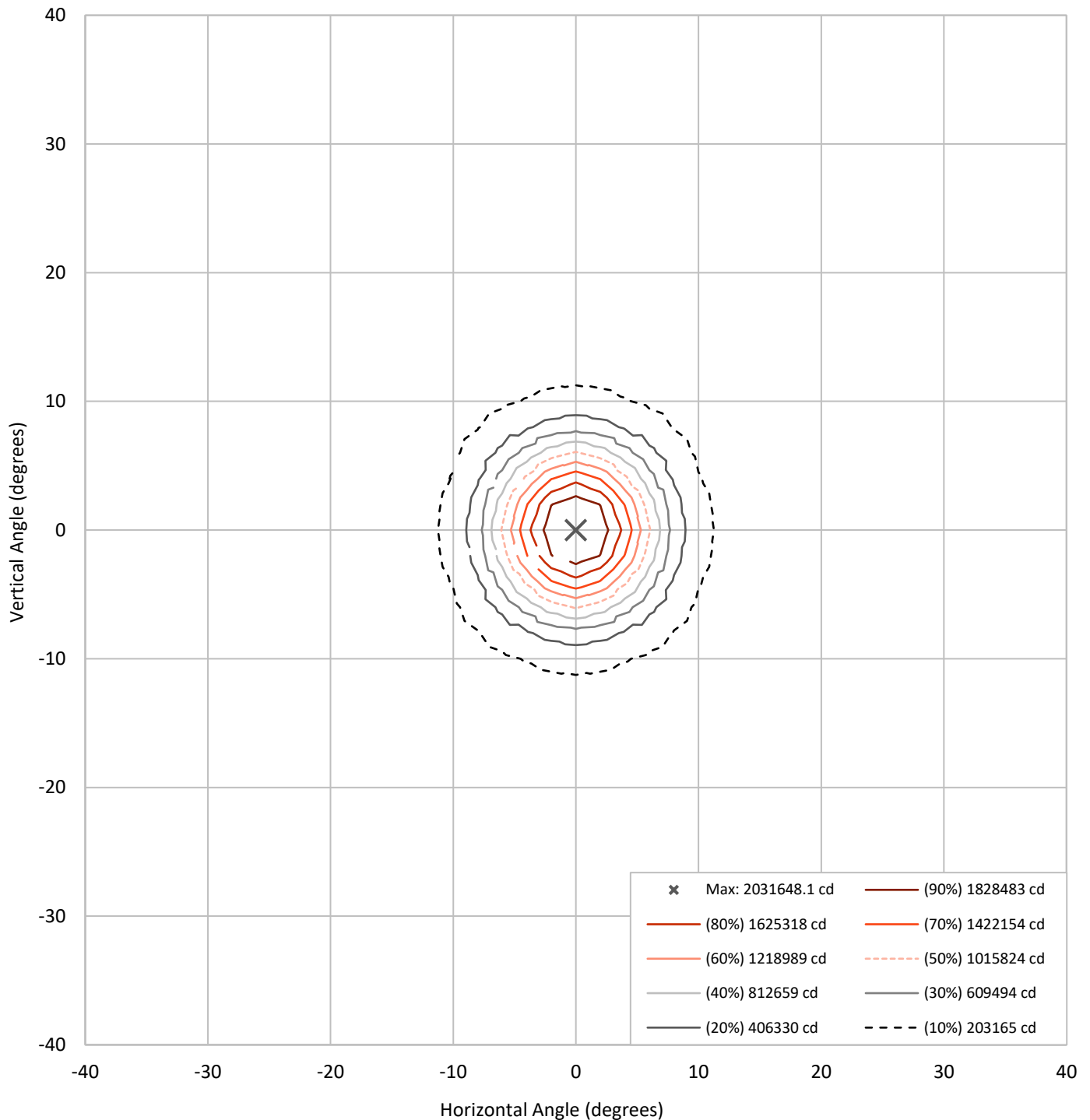
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	163579.7 lumens	Max Intensity:	2031648.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	12.1°H x 12.1°V	Field Angle (10%):	22.5°H x 22.5°V
Beam Lumens:	46748 lumens	Field Lumens:	88108.6 lumens
Beam Efficiency:	28.6%	Field Efficiency:	53.9%

Input Watts (W): 1290
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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Iso-Candela Plot





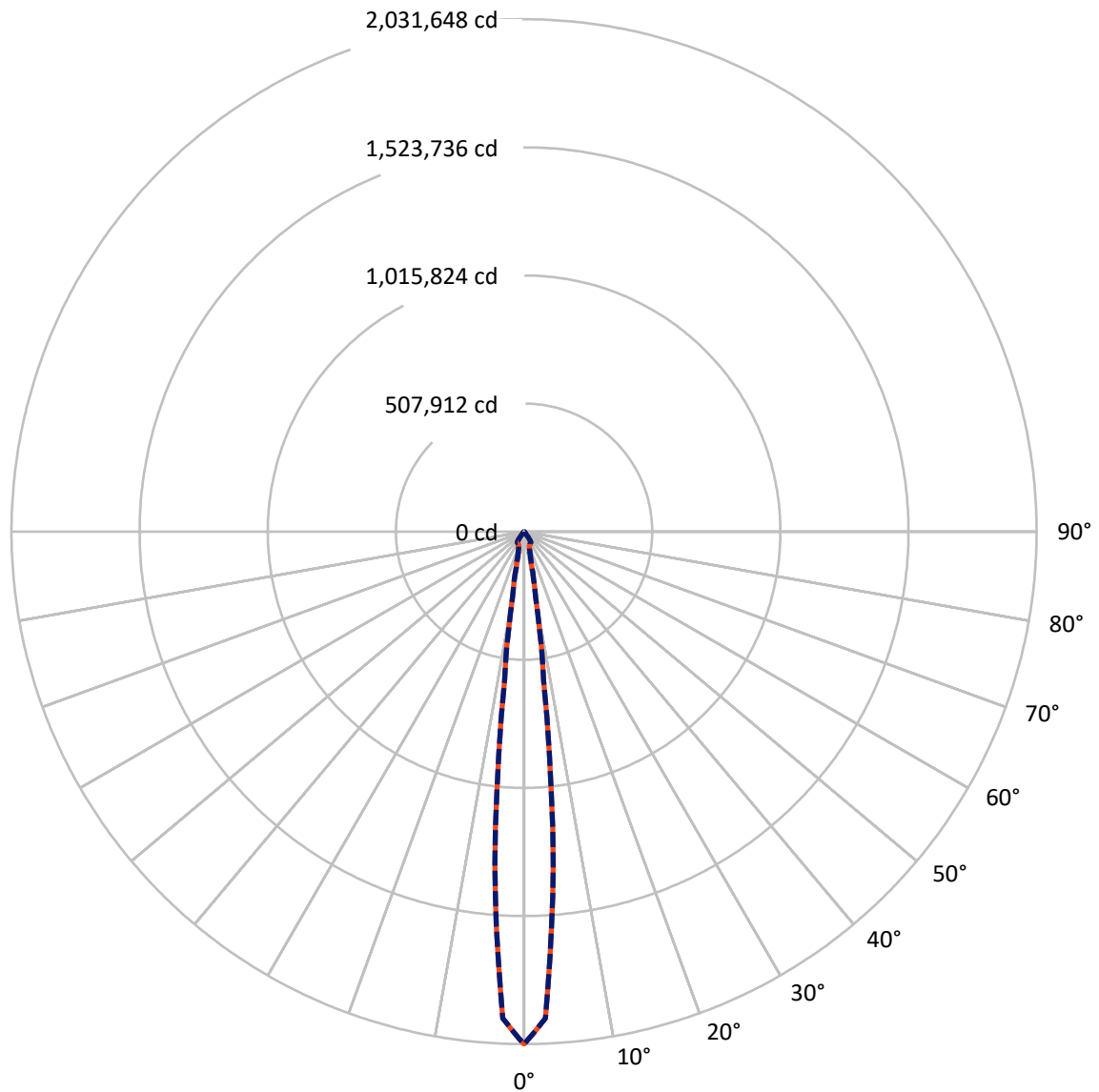
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Lumen Table

90	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
80	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
70	0.5	0.5	1.0	1.6	2.3	3.7	5.4	6.4	6.4	5.4	3.7	2.3	1.6	1.0	0.5	0.5
60		0.7	1.5	3.6	7.9	11.2	13.8	15.3	15.3	13.8	11.2	7.9	3.6	1.5	0.7	
50	0.8	0.9	2.9	8.1	13.0	20.8	37.7	62.2	62.2	37.7	20.8	13.0	8.1	2.9	0.9	0.8
40		1.2	5.6	11.3	25.6	177.5	652.5	1002.7	1002.7	652.5	177.5	25.6	11.3	5.6	1.2	
30	1.0	1.8	7.1	16.3	162.4	986.4	1511.7	1660.5	1660.5	1511.7	986.4	162.4	16.3	7.1	1.8	1.0
20		2.5	8.3	28.2	562.7	1419.4	1822.4	2976.2	2976.2	1822.4	1419.4	562.7	28.2	8.3	2.5	
10	1.1	2.9	9.0	45.6	835.8	1512.0	2896.5	22317.1	22317.1	2896.5	1512.0	835.8	45.6	9.0	2.9	1.1
0		2.9	9.0	45.6	835.8	1512.0	2896.5	22317.1	22317.1	2896.5	1512.0	835.8	45.6	9.0	2.9	
-10	1.0	2.5	8.3	28.2	562.7	1419.4	1822.4	2976.2	2976.2	1822.4	1419.4	562.7	28.2	8.3	2.5	1.0
-20		1.8	7.1	16.3	162.4	986.4	1511.7	1660.5	1660.5	1511.7	986.4	162.4	16.3	7.1	1.8	
-30	0.8	1.2	5.6	11.3	25.6	177.5	652.5	1002.7	1002.7	652.5	177.5	25.6	11.3	5.6	1.2	0.8
-40		0.9	2.9	8.1	13.0	20.8	37.7	62.2	62.2	37.7	20.8	13.0	8.1	2.9	0.9	
-50	0.5	0.7	1.5	3.6	7.9	11.2	13.8	15.3	15.3	13.8	11.2	7.9	3.6	1.5	0.7	0.5
-60		0.5	1.0	1.6	2.3	3.7	5.4	6.4	6.4	5.4	3.7	2.3	1.6	1.0	0.5	
-70	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
-80		1.2		2.7		4.2		4.8		4.2		2.7		1.2		
-90	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2

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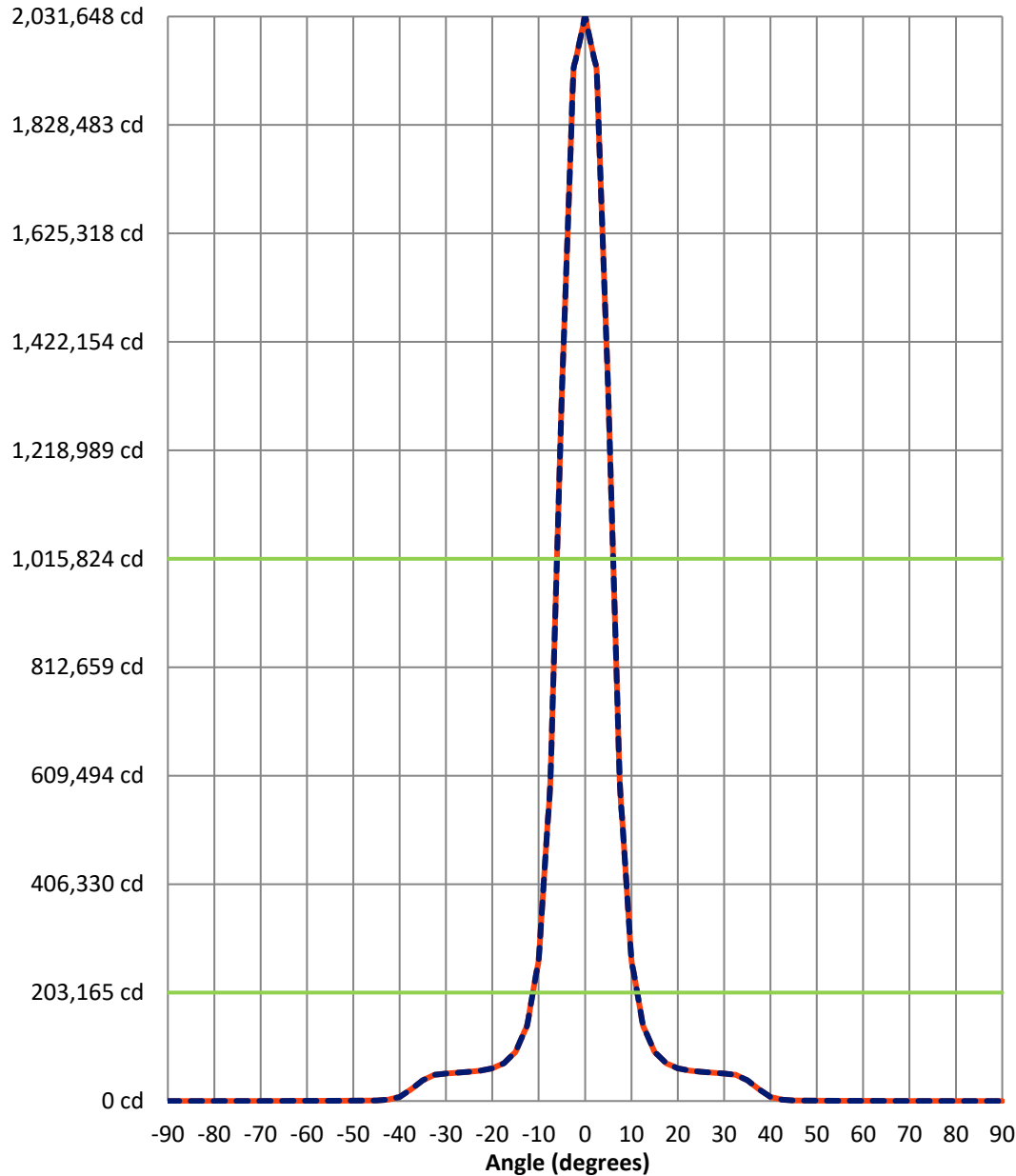
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 12.1°
 V Angle: 12.1°
 Lumens: 46748
 Efficiency: 28.6%

Field:
 H Angle: 22.5°
 V Angle: 22.5°
 Lumens: 88108.6
 Efficiency: 53.9%

Spill:
 Lumens: 75471.1
 Efficiency: 46.1%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	1.6	2.1	2.5	2.9	3.2	3.6	4.0
85°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
82.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.5	9.7	10.9	12.0
80°	0.0	1.6	3.3	4.9	6.6	8.2	9.8	11.4	12.9	14.4	15.9
77.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.1	16.1	18.0	19.8
75°	0.0	2.5	4.9	7.4	9.8	12.2	14.5	16.9	19.2	21.5	23.8
72.5°	0.0	2.9	5.7	8.5	11.4	14.1	16.9	19.6	22.3	25.0	27.6
70°	0.0	3.2	6.5	9.7	12.9	16.1	19.2	22.3	25.4	28.5	31.5
67.5°	0.0	3.6	7.3	10.9	14.4	18.0	21.5	25.0	28.5	31.9	35.3
65°	0.0	4.0	8.0	12.0	15.9	19.8	23.8	27.6	31.5	35.3	39.0
62.5°	0.0	4.4	8.8	13.1	17.4	21.7	26.0	30.2	34.4	38.6	42.7
60°	0.0	4.7	9.5	14.2	18.8	23.5	28.2	32.8	37.3	41.8	46.3
57.5°	0.0	5.1	10.2	15.2	20.2	25.3	30.3	35.2	40.1	45.0	49.7
55°	0.0	5.4	10.9	16.2	21.6	27.0	32.3	37.6	42.9	48.1	53.1
52.5°	0.0	5.8	11.5	17.2	23.0	28.7	34.3	40.0	45.6	51.1	56.5
50°	0.0	6.1	12.2	18.2	24.3	30.3	36.3	42.3	48.2	53.9	62.6
47.5°	0.0	6.4	12.8	19.1	25.5	31.9	38.2	44.4	50.6	56.7	68.9
45°	0.0	6.7	13.4	20.0	26.7	33.4	40.0	46.6	53.0	62.1	74.9
42.5°	0.0	7.0	14.0	20.9	27.9	34.8	41.7	48.6	55.3	67.4	78.3
40°	0.0	7.3	14.5	21.7	28.9	36.2	43.4	50.5	58.2	72.4	81.1
37.5°	0.0	7.5	15.0	22.5	30.0	37.5	44.9	52.3	62.5	76.5	83.7
35°	0.0	7.8	15.5	23.2	31.0	38.7	46.4	54.0	66.5	78.7	87.2
32.5°	0.0	8.0	15.9	23.9	31.9	39.9	47.8	55.6	70.2	80.9	92.0
30°	0.0	8.2	16.4	24.6	32.8	41.0	49.1	57.5	73.7	82.8	96.4
27.5°	0.0	8.4	16.8	25.2	33.6	42.0	50.3	60.4	76.4	84.7	100.5
25°	0.0	8.6	17.1	25.7	34.3	42.9	51.4	63.0	77.9	87.5	104.5
22.5°	0.0	8.8	17.5	26.2	35.0	43.7	52.4	65.4	79.3	90.6	111.5
20°	0.0	8.9	17.8	26.7	35.6	44.5	53.3	67.5	80.5	93.4	117.8
17.5°	0.0	9.1	18.0	27.1	36.1	45.2	54.1	69.5	81.6	95.9	123.4
15°	0.0	9.2	18.3	27.4	36.6	45.8	54.8	71.1	82.6	98.1	128.3
12.5°	0.0	9.3	18.5	27.7	37.0	46.3	55.4	72.5	83.4	100.0	132.5
10°	0.0	9.4	18.6	28.0	37.3	46.7	55.9	73.7	84.1	101.5	136.0
7.5°	0.0	9.4	18.7	28.2	37.6	47.0	56.3	74.6	84.6	102.7	138.6
5°	0.0	9.5	18.8	28.3	37.8	47.2	56.6	75.3	85.0	103.5	140.6
2.5°	0.0	9.5	18.9	28.4	37.9	47.4	56.7	75.7	85.2	104.0	141.7
0°	0.0	9.5	18.9	28.4	37.9	47.4	56.8	75.8	85.3	104.2	142.1
-2.5°	0.0	9.5	18.9	28.4	37.9	47.4	56.7	75.7	85.2	104.0	141.7
-5°	0.0	9.5	18.8	28.3	37.8	47.2	56.6	75.3	85.0	103.5	140.6
-7.5°	0.0	9.4	18.7	28.2	37.6	47.0	56.3	74.6	84.6	102.7	138.6
-10°	0.0	9.4	18.6	28.0	37.3	46.7	55.9	73.7	84.1	101.5	136.0
-12.5°	0.0	9.3	18.5	27.7	37.0	46.3	55.4	72.5	83.4	100.0	132.5
-15°	0.0	9.2	18.3	27.4	36.6	45.8	54.8	71.1	82.6	98.1	128.3
-17.5°	0.0	9.1	18.0	27.1	36.1	45.2	54.1	69.5	81.6	95.9	123.4
-20°	0.0	8.9	17.8	26.7	35.6	44.5	53.3	67.5	80.5	93.4	117.8



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.8	17.5	26.2	35.0	43.7	52.4	65.4	79.3	90.6	111.5
-25°	0.0	8.6	17.1	25.7	34.3	42.9	51.4	63.0	77.9	87.5	104.5
-27.5°	0.0	8.4	16.8	25.2	33.6	42.0	50.3	60.4	76.4	84.7	100.5
-30°	0.0	8.2	16.4	24.6	32.8	41.0	49.1	57.5	73.7	82.8	96.4
-32.5°	0.0	8.0	15.9	23.9	31.9	39.9	47.8	55.6	70.2	80.9	92.0
-35°	0.0	7.8	15.5	23.2	31.0	38.7	46.4	54.0	66.5	78.7	87.2
-37.5°	0.0	7.5	15.0	22.5	30.0	37.5	44.9	52.3	62.5	76.5	83.7
-40°	0.0	7.3	14.5	21.7	28.9	36.2	43.4	50.5	58.2	72.4	81.1
-42.5°	0.0	7.0	14.0	20.9	27.9	34.8	41.7	48.6	55.3	67.4	78.3
-45°	0.0	6.7	13.4	20.0	26.7	33.4	40.0	46.6	53.0	62.1	74.9
-47.5°	0.0	6.4	12.8	19.1	25.5	31.9	38.2	44.4	50.6	56.7	68.9
-50°	0.0	6.1	12.2	18.2	24.3	30.3	36.3	42.3	48.2	53.9	62.6
-52.5°	0.0	5.8	11.5	17.2	23.0	28.7	34.3	40.0	45.6	51.1	56.5
-55°	0.0	5.4	10.9	16.2	21.6	27.0	32.3	37.6	42.9	48.1	53.1
-57.5°	0.0	5.1	10.2	15.2	20.2	25.3	30.3	35.2	40.1	45.0	49.7
-60°	0.0	4.7	9.5	14.2	18.8	23.5	28.2	32.8	37.3	41.8	46.3
-62.5°	0.0	4.4	8.8	13.1	17.4	21.7	26.0	30.2	34.4	38.6	42.7
-65°	0.0	4.0	8.0	12.0	15.9	19.8	23.8	27.6	31.5	35.3	39.0
-67.5°	0.0	3.6	7.3	10.9	14.4	18.0	21.5	25.0	28.5	31.9	35.3
-70°	0.0	3.2	6.5	9.7	12.9	16.1	19.2	22.3	25.4	28.5	31.5
-72.5°	0.0	2.9	5.7	8.5	11.4	14.1	16.9	19.6	22.3	25.0	27.6
-75°	0.0	2.5	4.9	7.4	9.8	12.2	14.5	16.9	19.2	21.5	23.8
-77.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.1	16.1	18.0	19.8
-80°	0.0	1.6	3.3	4.9	6.6	8.2	9.8	11.4	12.9	14.4	15.9
-82.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.5	9.7	10.9	12.0
-85°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
-87.5°	0.0	0.4	0.8	1.2	1.6	2.1	2.5	2.9	3.2	3.6	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.5
85°	8.8	9.5	10.2	10.9	11.5	12.2	12.8	13.4	14.0	14.5	15.0
82.5°	13.1	14.2	15.2	16.2	17.2	18.2	19.1	20.0	20.9	21.7	22.5
80°	17.4	18.8	20.2	21.6	23.0	24.3	25.5	26.7	27.9	28.9	30.0
77.5°	21.7	23.5	25.3	27.0	28.7	30.3	31.9	33.4	34.8	36.2	37.5
75°	26.0	28.2	30.3	32.3	34.3	36.3	38.2	40.0	41.7	43.4	44.9
72.5°	30.2	32.8	35.2	37.6	40.0	42.3	44.4	46.6	48.6	50.5	52.3
70°	34.4	37.3	40.1	42.9	45.6	48.2	50.6	53.0	55.3	58.2	62.5
67.5°	38.6	41.8	45.0	48.1	51.1	53.9	56.7	62.1	67.4	72.4	76.5
65°	42.7	46.3	49.7	53.1	56.5	62.6	68.9	74.9	78.3	81.1	83.7
62.5°	46.7	50.6	54.4	59.5	66.9	74.0	78.4	81.7	84.9	90.7	96.6
60°	50.6	54.8	61.2	69.5	76.6	80.5	84.3	90.6	97.6	104.5	117.4
57.5°	54.4	61.2	70.3	77.5	81.8	86.8	95.0	102.9	116.9	131.6	164.0
55°	59.5	69.5	77.5	82.3	88.6	97.7	108.7	125.8	143.7	242.9	338.0
52.5°	66.9	76.6	81.8	88.6	98.5	112.3	131.3	189.1	300.1	380.0	384.1
50°	74.0	80.5	86.8	97.7	112.3	133.1	212.0	334.8	381.9	386.5	390.9
47.5°	78.4	84.3	95.0	108.7	131.3	212.0	346.4	382.8	387.9	392.8	397.6
45°	81.7	90.6	102.9	125.8	189.1	334.8	382.8	388.4	393.8	408.0	453.2
42.5°	84.9	97.6	116.9	143.7	300.1	381.9	387.9	393.8	412.5	462.2	519.4
40°	90.7	104.5	131.6	242.9	380.0	386.5	392.8	408.0	462.2	525.5	593.5
37.5°	96.6	117.4	164.0	338.0	384.1	390.9	397.6	453.2	519.4	593.5	693.9
35°	102.1	129.6	247.4	380.9	388.1	395.1	435.4	501.1	581.0	684.9	786.1
32.5°	110.6	141.2	326.4	384.3	391.8	409.1	474.1	556.3	657.9	771.0	863.9
30°	120.4	204.5	379.8	387.6	395.3	443.1	519.9	613.6	737.3	840.7	948.3
27.5°	129.6	267.9	382.6	390.6	404.1	475.0	565.7	683.5	802.6	910.1	1033.8
25°	138.1	326.4	385.1	393.4	431.5	511.8	613.3	748.6	860.2	985.1	1667.8
22.5°	166.0	378.9	387.5	396.0	456.6	548.2	669.0	799.8	918.4	1083.6	2402.8
20°	209.9	380.9	389.6	401.8	479.5	581.3	719.8	844.9	977.7	1710.8	4061.0
17.5°	248.9	382.6	391.5	420.5	505.5	616.7	764.0	885.5	1030.9	2276.6	6022.2
15°	283.1	384.1	393.2	436.9	529.3	653.6	796.9	927.8	1311.3	3093.6	7853.6
12.5°	312.1	385.4	394.6	450.9	549.7	685.1	825.1	965.0	1708.4	4477.0	12132.2
10°	336.1	386.5	395.8	462.4	566.6	711.1	848.5	995.9	2037.8	5626.4	15695.1
7.5°	354.8	387.3	396.7	471.4	579.7	731.5	866.8	1020.1	2296.8	6531.8	18507.0
5°	368.2	387.9	397.4	477.9	589.2	746.1	879.9	1037.5	2483.4	7184.9	20538.1
2.5°	376.2	388.3	397.8	481.8	594.9	755.0	887.9	1048.0	2596.0	7579.3	21766.0
0°	378.9	388.4	397.9	483.1	596.8	757.9	890.5	1051.5	2633.6	7711.2	22176.9
-2.5°	376.2	388.3	397.8	481.8	594.9	755.0	887.9	1048.0	2596.0	7579.3	21766.0
-5°	368.2	387.9	397.4	477.9	589.2	746.1	879.9	1037.5	2483.4	7184.9	20538.1
-7.5°	354.8	387.3	396.7	471.4	579.7	731.5	866.8	1020.1	2296.8	6531.8	18507.0
-10°	336.1	386.5	395.8	462.4	566.6	711.1	848.5	995.9	2037.8	5626.4	15695.1
-12.5°	312.1	385.4	394.6	450.9	549.7	685.1	825.1	965.0	1708.4	4477.0	12132.2
-15°	283.1	384.1	393.2	436.9	529.3	653.6	796.9	927.8	1311.3	3093.6	7853.6
-17.5°	248.9	382.6	391.5	420.5	505.5	616.7	764.0	885.5	1030.9	2276.6	6022.2
-20°	209.9	380.9	389.6	401.8	479.5	581.3	719.8	844.9	977.7	1710.8	4061.0



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	166.0	378.9	387.5	396.0	456.6	548.2	669.0	799.8	918.4	1083.6	2402.8
-25°	138.1	326.4	385.1	393.4	431.5	511.8	613.3	748.6	860.2	985.1	1667.8
-27.5°	129.6	267.9	382.6	390.6	404.1	475.0	565.7	683.5	802.6	910.1	1033.8
-30°	120.4	204.5	379.8	387.6	395.3	443.1	519.9	613.6	737.3	840.7	948.3
-32.5°	110.6	141.2	326.4	384.3	391.8	409.1	474.1	556.3	657.9	771.0	863.9
-35°	102.1	129.6	247.4	380.9	388.1	395.1	435.4	501.1	581.0	684.9	786.1
-37.5°	96.6	117.4	164.0	338.0	384.1	390.9	397.6	453.2	519.4	593.5	693.9
-40°	90.7	104.5	131.6	242.9	380.0	386.5	392.8	408.0	462.2	525.5	593.5
-42.5°	84.9	97.6	116.9	143.7	300.1	381.9	387.9	393.8	412.5	462.2	519.4
-45°	81.7	90.6	102.9	125.8	189.1	334.8	382.8	388.4	393.8	408.0	453.2
-47.5°	78.4	84.3	95.0	108.7	131.3	212.0	346.4	382.8	387.9	392.8	397.6
-50°	74.0	80.5	86.8	97.7	112.3	133.1	212.0	334.8	381.9	386.5	390.9
-52.5°	66.9	76.6	81.8	88.6	98.5	112.3	131.3	189.1	300.1	380.0	384.1
-55°	59.5	69.5	77.5	82.3	88.6	97.7	108.7	125.8	143.7	242.9	338.0
-57.5°	54.4	61.2	70.3	77.5	81.8	86.8	95.0	102.9	116.9	131.6	164.0
-60°	50.6	54.8	61.2	69.5	76.6	80.5	84.3	90.6	97.6	104.5	117.4
-62.5°	46.7	50.6	54.4	59.5	66.9	74.0	78.4	81.7	84.9	90.7	96.6
-65°	42.7	46.3	49.7	53.1	56.5	62.6	68.9	74.9	78.3	81.1	83.7
-67.5°	38.6	41.8	45.0	48.1	51.1	53.9	56.7	62.1	67.4	72.4	76.5
-70°	34.4	37.3	40.1	42.9	45.6	48.2	50.6	53.0	55.3	58.2	62.5
-72.5°	30.2	32.8	35.2	37.6	40.0	42.3	44.4	46.6	48.6	50.5	52.3
-75°	26.0	28.2	30.3	32.3	34.3	36.3	38.2	40.0	41.7	43.4	44.9
-77.5°	21.7	23.5	25.3	27.0	28.7	30.3	31.9	33.4	34.8	36.2	37.5
-80°	17.4	18.8	20.2	21.6	23.0	24.3	25.5	26.7	27.9	28.9	30.0
-82.5°	13.1	14.2	15.2	16.2	17.2	18.2	19.1	20.0	20.9	21.7	22.5
-85°	8.8	9.5	10.2	10.9	11.5	12.2	12.8	13.4	14.0	14.5	15.0
-87.5°	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.4
85°	15.5	15.9	16.4	16.8	17.1	17.5	17.8	18.0	18.3	18.5	18.6
82.5°	23.2	23.9	24.6	25.2	25.7	26.2	26.7	27.1	27.4	27.7	28.0
80°	31.0	31.9	32.8	33.6	34.3	35.0	35.6	36.1	36.6	37.0	37.3
77.5°	38.7	39.9	41.0	42.0	42.9	43.7	44.5	45.2	45.8	46.3	46.7
75°	46.4	47.8	49.1	50.3	51.4	52.4	53.3	54.1	54.8	55.4	55.9
72.5°	54.0	55.6	57.5	60.4	63.0	65.4	67.5	69.5	71.1	72.5	73.7
70°	66.5	70.2	73.7	76.4	77.9	79.3	80.5	81.6	82.6	83.4	84.1
67.5°	78.7	80.9	82.8	84.7	87.5	90.6	93.4	95.9	98.1	100.0	101.5
65°	87.2	92.0	96.4	100.5	104.5	111.5	117.8	123.4	128.3	132.5	136.0
62.5°	102.1	110.6	120.4	129.6	138.1	166.0	209.9	248.9	283.1	312.1	336.1
60°	129.6	141.2	204.5	267.9	326.4	378.9	380.9	382.6	384.1	385.4	386.5
57.5°	247.4	326.4	379.8	382.6	385.1	387.5	389.6	391.5	393.2	394.6	395.8
55°	380.9	384.3	387.6	390.6	393.4	396.0	401.8	420.5	436.9	450.9	462.4
52.5°	388.1	391.8	395.3	404.1	431.5	456.6	479.5	505.5	529.3	549.7	566.6
50°	395.1	409.1	443.1	475.0	511.8	548.2	581.3	616.7	653.6	685.1	711.1
47.5°	435.4	474.1	519.9	565.7	613.3	669.0	719.8	764.0	796.9	825.1	848.5
45°	501.1	556.3	613.6	683.5	748.6	799.8	844.9	885.5	927.8	965.0	995.9
42.5°	581.0	657.9	737.3	802.6	860.2	918.4	977.7	1030.9	1311.3	1708.4	2037.8
40°	684.9	771.0	840.7	910.1	985.1	1083.6	1710.8	2276.6	3093.6	4477.0	5626.4
37.5°	786.1	863.9	948.3	1033.8	1667.8	2402.8	4061.0	6022.2	7853.6	12132.2	15695.1
35°	871.7	967.7	1169.6	2065.2	3520.3	6051.2	9629.6	15662.6	21028.6	26233.3	30731.5
32.5°	967.7	1267.6	2266.4	4514.0	7408.9	14577.6	21728.2	29207.1	35947.4	40685.5	43671.4
30°	1169.6	2266.4	4848.2	8811.7	17606.3	26469.1	35380.8	41737.0	46184.7	49361.6	50122.3
27.5°	2065.2	4514.0	8811.7	18626.3	28915.0	39082.9	44910.3	49408.6	50533.8	51520.7	52096.8
25°	3520.3	7408.9	17606.3	28915.0	39861.1	46527.8	49995.4	51344.2	52243.2	52987.0	53626.9
22.5°	6051.2	14577.6	26469.1	39082.9	46527.8	50193.9	51686.3	52690.5	53615.0	54444.2	55262.1
20°	9629.6	21728.2	35380.8	44910.3	49995.4	51686.3	52842.2	53939.7	54996.7	56212.9	57452.7
17.5°	15662.6	29207.1	41737.0	49408.6	51344.2	52690.5	53939.7	55229.2	56705.8	58952.0	61197.2
15°	21028.6	35947.4	46184.7	50533.8	52243.2	53615.0	54996.7	56705.8	59466.2	63503.2	69138.1
12.5°	26233.3	40685.5	49361.6	51520.7	52987.0	54444.2	56212.9	58952.0	63503.2	70506.7	83953.6
10°	30731.5	43671.4	50122.3	52096.8	53626.9	55262.1	57452.7	61197.2	69138.1	83953.6	105212.2
7.5°	34289.5	46039.6	50727.7	52556.1	54143.5	56028.7	59098.1	65191.2	77410.1	98726.5	142419.5
5°	36864.2	47757.2	51168.0	52891.3	54522.2	56593.9	60320.5	68314.0	85345.9	118066.1	192139.4
2.5°	38422.8	48798.5	51435.4	53095.4	54753.5	56940.6	61074.9	70256.8	90342.5	134679.0	245237.2
0°	38944.6	49147.4	51525.1	53164.0	54831.3	57057.5	61330.0	70916.9	92051.8	141753.4	265308.6
-2.5°	38422.8	48798.5	51435.4	53095.4	54753.5	56940.6	61074.9	70256.8	90342.5	134679.0	245237.2
-5°	36864.2	47757.2	51168.0	52891.3	54522.2	56593.9	60320.5	68314.0	85345.9	118066.1	192139.4
-7.5°	34289.5	46039.6	50727.7	52556.1	54143.5	56028.7	59098.1	65191.2	77410.1	98726.5	142419.5
-10°	30731.5	43671.4	50122.3	52096.8	53626.9	55262.1	57452.7	61197.2	69138.1	83953.6	105212.2
-12.5°	26233.3	40685.5	49361.6	51520.7	52987.0	54444.2	56212.9	58952.0	63503.2	70506.7	83953.6
-15°	21028.6	35947.4	46184.7	50533.8	52243.2	53615.0	54996.7	56705.8	59466.2	63503.2	69138.1
-17.5°	15662.6	29207.1	41737.0	49408.6	51344.2	52690.5	53939.7	55229.2	56705.8	58952.0	61197.2
-20°	9629.6	21728.2	35380.8	44910.3	49995.4	51686.3	52842.2	53939.7	54996.7	56212.9	57452.7



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6051.2	14577.6	26469.1	39082.9	46527.8	50193.9	51686.3	52690.5	53615.0	54444.2	55262.1
-25°	3520.3	7408.9	17606.3	28915.0	39861.1	46527.8	49995.4	51344.2	52243.2	52987.0	53626.9
-27.5°	2065.2	4514.0	8811.7	18626.3	28915.0	39082.9	44910.3	49408.6	50533.8	51520.7	52096.8
-30°	1169.6	2266.4	4848.2	8811.7	17606.3	26469.1	35380.8	41737.0	46184.7	49361.6	50122.3
-32.5°	967.7	1267.6	2266.4	4514.0	7408.9	14577.6	21728.2	29207.1	35947.4	40685.5	43671.4
-35°	871.7	967.7	1169.6	2065.2	3520.3	6051.2	9629.6	15662.6	21028.6	26233.3	30731.5
-37.5°	786.1	863.9	948.3	1033.8	1667.8	2402.8	4061.0	6022.2	7853.6	12132.2	15695.1
-40°	684.9	771.0	840.7	910.1	985.1	1083.6	1710.8	2276.6	3093.6	4477.0	5626.4
-42.5°	581.0	657.9	737.3	802.6	860.2	918.4	977.7	1030.9	1311.3	1708.4	2037.8
-45°	501.1	556.3	613.6	683.5	748.6	799.8	844.9	885.5	927.8	965.0	995.9
-47.5°	435.4	474.1	519.9	565.7	613.3	669.0	719.8	764.0	796.9	825.1	848.5
-50°	395.1	409.1	443.1	475.0	511.8	548.2	581.3	616.7	653.6	685.1	711.1
-52.5°	388.1	391.8	395.3	404.1	431.5	456.6	479.5	505.5	529.3	549.7	566.6
-55°	380.9	384.3	387.6	390.6	393.4	396.0	401.8	420.5	436.9	450.9	462.4
-57.5°	247.4	326.4	379.8	382.6	385.1	387.5	389.6	391.5	393.2	394.6	395.8
-60°	129.6	141.2	204.5	267.9	326.4	378.9	380.9	382.6	384.1	385.4	386.5
-62.5°	102.1	110.6	120.4	129.6	138.1	166.0	209.9	248.9	283.1	312.1	336.1
-65°	87.2	92.0	96.4	100.5	104.5	111.5	117.8	123.4	128.3	132.5	136.0
-67.5°	78.7	80.9	82.8	84.7	87.5	90.6	93.4	95.9	98.1	100.0	101.5
-70°	66.5	70.2	73.7	76.4	77.9	79.3	80.5	81.6	82.6	83.4	84.1
-72.5°	54.0	55.6	57.5	60.4	63.0	65.4	67.5	69.5	71.1	72.5	73.7
-75°	46.4	47.8	49.1	50.3	51.4	52.4	53.3	54.1	54.8	55.4	55.9
-77.5°	38.7	39.9	41.0	42.0	42.9	43.7	44.5	45.2	45.8	46.3	46.7
-80°	31.0	31.9	32.8	33.6	34.3	35.0	35.6	36.1	36.6	37.0	37.3
-82.5°	23.2	23.9	24.6	25.2	25.7	26.2	26.7	27.1	27.4	27.7	28.0
-85°	15.5	15.9	16.4	16.8	17.1	17.5	17.8	18.0	18.3	18.5	18.6
-87.5°	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
85°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.6	18.5	18.3	18.0
82.5°	28.2	28.3	28.4	28.4	28.4	28.3	28.2	28.0	27.7	27.4	27.1
80°	37.6	37.8	37.9	37.9	37.9	37.8	37.6	37.3	37.0	36.6	36.1
77.5°	47.0	47.2	47.4	47.4	47.4	47.2	47.0	46.7	46.3	45.8	45.2
75°	56.3	56.6	56.7	56.8	56.7	56.6	56.3	55.9	55.4	54.8	54.1
72.5°	74.6	75.3	75.7	75.8	75.7	75.3	74.6	73.7	72.5	71.1	69.5
70°	84.6	85.0	85.2	85.3	85.2	85.0	84.6	84.1	83.4	82.6	81.6
67.5°	102.7	103.5	104.0	104.2	104.0	103.5	102.7	101.5	100.0	98.1	95.9
65°	138.6	140.6	141.7	142.1	141.7	140.6	138.6	136.0	132.5	128.3	123.4
62.5°	354.8	368.2	376.2	378.9	376.2	368.2	354.8	336.1	312.1	283.1	248.9
60°	387.3	387.9	388.3	388.4	388.3	387.9	387.3	386.5	385.4	384.1	382.6
57.5°	396.7	397.4	397.8	397.9	397.8	397.4	396.7	395.8	394.6	393.2	391.5
55°	471.4	477.9	481.8	483.1	481.8	477.9	471.4	462.4	450.9	436.9	420.5
52.5°	579.7	589.2	594.9	596.8	594.9	589.2	579.7	566.6	549.7	529.3	505.5
50°	731.5	746.1	755.0	757.9	755.0	746.1	731.5	711.1	685.1	653.6	616.7
47.5°	866.8	879.9	887.9	890.5	887.9	879.9	866.8	848.5	825.1	796.9	764.0
45°	1020.1	1037.5	1048.0	1051.5	1048.0	1037.5	1020.1	995.9	965.0	927.8	885.5
42.5°	2296.8	2483.4	2596.0	2633.6	2596.0	2483.4	2296.8	2037.8	1708.4	1311.3	1030.9
40°	6531.8	7184.9	7579.3	7711.2	7579.3	7184.9	6531.8	5626.4	4477.0	3093.6	2276.6
37.5°	18507.0	20538.1	21766.0	22176.9	21766.0	20538.1	18507.0	15695.1	12132.2	7853.6	6022.2
35°	34289.5	36864.2	38422.8	38944.6	38422.8	36864.2	34289.5	30731.5	26233.3	21028.6	15662.6
32.5°	46039.6	47757.2	48798.5	49147.4	48798.5	47757.2	46039.6	43671.4	40685.5	35947.4	29207.1
30°	50727.7	51168.0	51435.4	51525.1	51435.4	51168.0	50727.7	50122.3	49361.6	46184.7	41737.0
27.5°	52556.1	52891.3	53095.4	53164.0	53095.4	52891.3	52556.1	52096.8	51520.7	50533.8	49408.6
25°	54143.5	54522.2	54753.5	54831.3	54753.5	54522.2	54143.5	53626.9	52987.0	52243.2	51344.2
22.5°	56028.7	56593.9	56940.6	57057.5	56940.6	56593.9	56028.7	55262.1	54444.2	53615.0	52690.5
20°	59098.1	60320.5	61074.9	61330.0	61074.9	60320.5	59098.1	57452.7	56212.9	54996.7	53939.7
17.5°	65191.2	68314.0	70256.8	70916.9	70256.8	68314.0	65191.2	61197.2	58952.0	56705.8	55229.2
15°	77410.1	85345.9	90342.5	92051.8	90342.5	85345.9	77410.1	69138.1	63503.2	59466.2	56705.8
12.5°	98726.5	118066.1	134679.0	141753.4	134679.0	118066.1	98726.5	83953.6	70506.7	63503.2	58952.0
10°	142419.5	192139.4	245237.2	265308.6	245237.2	192139.4	142419.5	105212.2	83953.6	69138.1	61197.2
7.5°	226348.1	362708.5	517887.5	595745.9	517887.5	362708.5	226348.1	142419.5	98726.5	77410.1	65191.2
5°	362708.5	679392.5	#####	#####	#####	679392.5	362708.5	192139.4	118066.1	85345.9	68314.0
2.5°	517887.5	#####	#####	#####	#####	#####	517887.5	245237.2	134679.0	90342.5	70256.8
0°	595745.9	#####	#####	#####	#####	#####	595745.9	265308.6	141753.4	92051.8	70916.9
-2.5°	517887.5	#####	#####	#####	#####	#####	517887.5	245237.2	134679.0	90342.5	70256.8
-5°	362708.5	679392.5	#####	#####	#####	679392.5	362708.5	192139.4	118066.1	85345.9	68314.0
-7.5°	226348.1	362708.5	517887.5	595745.9	517887.5	362708.5	226348.1	142419.5	98726.5	77410.1	65191.2
-10°	142419.5	192139.4	245237.2	265308.6	245237.2	192139.4	142419.5	105212.2	83953.6	69138.1	61197.2
-12.5°	98726.5	118066.1	134679.0	141753.4	134679.0	118066.1	98726.5	83953.6	70506.7	63503.2	58952.0
-15°	77410.1	85345.9	90342.5	92051.8	90342.5	85345.9	77410.1	69138.1	63503.2	59466.2	56705.8
-17.5°	65191.2	68314.0	70256.8	70916.9	70256.8	68314.0	65191.2	61197.2	58952.0	56705.8	55229.2
-20°	59098.1	60320.5	61074.9	61330.0	61074.9	60320.5	59098.1	57452.7	56212.9	54996.7	53939.7



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	56028.7	56593.9	56940.6	57057.5	56940.6	56593.9	56028.7	55262.1	54444.2	53615.0	52690.5
-25°	54143.5	54522.2	54753.5	54831.3	54753.5	54522.2	54143.5	53626.9	52987.0	52243.2	51344.2
-27.5°	52556.1	52891.3	53095.4	53164.0	53095.4	52891.3	52556.1	52096.8	51520.7	50533.8	49408.6
-30°	50727.7	51168.0	51435.4	51525.1	51435.4	51168.0	50727.7	50122.3	49361.6	46184.7	41737.0
-32.5°	46039.6	47757.2	48798.5	49147.4	48798.5	47757.2	46039.6	43671.4	40685.5	35947.4	29207.1
-35°	34289.5	36864.2	38422.8	38944.6	38422.8	36864.2	34289.5	30731.5	26233.3	21028.6	15662.6
-37.5°	18507.0	20538.1	21766.0	22176.9	21766.0	20538.1	18507.0	15695.1	12132.2	7853.6	6022.2
-40°	6531.8	7184.9	7579.3	7711.2	7579.3	7184.9	6531.8	5626.4	4477.0	3093.6	2276.6
-42.5°	2296.8	2483.4	2596.0	2633.6	2596.0	2483.4	2296.8	2037.8	1708.4	1311.3	1030.9
-45°	1020.1	1037.5	1048.0	1051.5	1048.0	1037.5	1020.1	995.9	965.0	927.8	885.5
-47.5°	866.8	879.9	887.9	890.5	887.9	879.9	866.8	848.5	825.1	796.9	764.0
-50°	731.5	746.1	755.0	757.9	755.0	746.1	731.5	711.1	685.1	653.6	616.7
-52.5°	579.7	589.2	594.9	596.8	594.9	589.2	579.7	566.6	549.7	529.3	505.5
-55°	471.4	477.9	481.8	483.1	481.8	477.9	471.4	462.4	450.9	436.9	420.5
-57.5°	396.7	397.4	397.8	397.9	397.8	397.4	396.7	395.8	394.6	393.2	391.5
-60°	387.3	387.9	388.3	388.4	388.3	387.9	387.3	386.5	385.4	384.1	382.6
-62.5°	354.8	368.2	376.2	378.9	376.2	368.2	354.8	336.1	312.1	283.1	248.9
-65°	138.6	140.6	141.7	142.1	141.7	140.6	138.6	136.0	132.5	128.3	123.4
-67.5°	102.7	103.5	104.0	104.2	104.0	103.5	102.7	101.5	100.0	98.1	95.9
-70°	84.6	85.0	85.2	85.3	85.2	85.0	84.6	84.1	83.4	82.6	81.6
-72.5°	74.6	75.3	75.7	75.8	75.7	75.3	74.6	73.7	72.5	71.1	69.5
-75°	56.3	56.6	56.7	56.8	56.7	56.6	56.3	55.9	55.4	54.8	54.1
-77.5°	47.0	47.2	47.4	47.4	47.4	47.2	47.0	46.7	46.3	45.8	45.2
-80°	37.6	37.8	37.9	37.9	37.9	37.8	37.6	37.3	37.0	36.6	36.1
-82.5°	28.2	28.3	28.4	28.4	28.4	28.3	28.2	28.0	27.7	27.4	27.1
-85°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.6	18.5	18.3	18.0
-87.5°	9.4	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0	6.7
85°	17.8	17.5	17.1	16.8	16.4	15.9	15.5	15.0	14.5	14.0	13.4
82.5°	26.7	26.2	25.7	25.2	24.6	23.9	23.2	22.5	21.7	20.9	20.0
80°	35.6	35.0	34.3	33.6	32.8	31.9	31.0	30.0	28.9	27.9	26.7
77.5°	44.5	43.7	42.9	42.0	41.0	39.9	38.7	37.5	36.2	34.8	33.4
75°	53.3	52.4	51.4	50.3	49.1	47.8	46.4	44.9	43.4	41.7	40.0
72.5°	67.5	65.4	63.0	60.4	57.5	55.6	54.0	52.3	50.5	48.6	46.6
70°	80.5	79.3	77.9	76.4	73.7	70.2	66.5	62.5	58.2	55.3	53.0
67.5°	93.4	90.6	87.5	84.7	82.8	80.9	78.7	76.5	72.4	67.4	62.1
65°	117.8	111.5	104.5	100.5	96.4	92.0	87.2	83.7	81.1	78.3	74.9
62.5°	209.9	166.0	138.1	129.6	120.4	110.6	102.1	96.6	90.7	84.9	81.7
60°	380.9	378.9	326.4	267.9	204.5	141.2	129.6	117.4	104.5	97.6	90.6
57.5°	389.6	387.5	385.1	382.6	379.8	326.4	247.4	164.0	131.6	116.9	102.9
55°	401.8	396.0	393.4	390.6	387.6	384.3	380.9	338.0	242.9	143.7	125.8
52.5°	479.5	456.6	431.5	404.1	395.3	391.8	388.1	384.1	380.0	300.1	189.1
50°	581.3	548.2	511.8	475.0	443.1	409.1	395.1	390.9	386.5	381.9	334.8
47.5°	719.8	669.0	613.3	565.7	519.9	474.1	435.4	397.6	392.8	387.9	382.8
45°	844.9	799.8	748.6	683.5	613.6	556.3	501.1	453.2	408.0	393.8	388.4
42.5°	977.7	918.4	860.2	802.6	737.3	657.9	581.0	519.4	462.2	412.5	393.8
40°	1710.8	1083.6	985.1	910.1	840.7	771.0	684.9	593.5	525.5	462.2	408.0
37.5°	4061.0	2402.8	1667.8	1033.8	948.3	863.9	786.1	693.9	593.5	519.4	453.2
35°	9629.6	6051.2	3520.3	2065.2	1169.6	967.7	871.7	786.1	684.9	581.0	501.1
32.5°	21728.2	14577.6	7408.9	4514.0	2266.4	1267.6	967.7	863.9	771.0	657.9	556.3
30°	35380.8	26469.1	17606.3	8811.7	4848.2	2266.4	1169.6	948.3	840.7	737.3	613.6
27.5°	44910.3	39082.9	28915.0	18626.3	8811.7	4514.0	2065.2	1033.8	910.1	802.6	683.5
25°	49995.4	46527.8	39861.1	28915.0	17606.3	7408.9	3520.3	1667.8	985.1	860.2	748.6
22.5°	51686.3	50193.9	46527.8	39082.9	26469.1	14577.6	6051.2	2402.8	1083.6	918.4	799.8
20°	52842.2	51686.3	49995.4	44910.3	35380.8	21728.2	9629.6	4061.0	1710.8	977.7	844.9
17.5°	53939.7	52690.5	51344.2	49408.6	41737.0	29207.1	15662.6	6022.2	2276.6	1030.9	885.5
15°	54996.7	53615.0	52243.2	50533.8	46184.7	35947.4	21028.6	7853.6	3093.6	1311.3	927.8
12.5°	56212.9	54444.2	52987.0	51520.7	49361.6	40685.5	26233.3	12132.2	4477.0	1708.4	965.0
10°	57452.7	55262.1	53626.9	52096.8	50122.3	43671.4	30731.5	15695.1	5626.4	2037.8	995.9
7.5°	59098.1	56028.7	54143.5	52556.1	50727.7	46039.6	34289.5	18507.0	6531.8	2296.8	1020.1
5°	60320.5	56593.9	54522.2	52891.3	51168.0	47757.2	36864.2	20538.1	7184.9	2483.4	1037.5
2.5°	61074.9	56940.6	54753.5	53095.4	51435.4	48798.5	38422.8	21766.0	7579.3	2596.0	1048.0
0°	61330.0	57057.5	54831.3	53164.0	51525.1	49147.4	38944.6	22176.9	7711.2	2633.6	1051.5
-2.5°	61074.9	56940.6	54753.5	53095.4	51435.4	48798.5	38422.8	21766.0	7579.3	2596.0	1048.0
-5°	60320.5	56593.9	54522.2	52891.3	51168.0	47757.2	36864.2	20538.1	7184.9	2483.4	1037.5
-7.5°	59098.1	56028.7	54143.5	52556.1	50727.7	46039.6	34289.5	18507.0	6531.8	2296.8	1020.1
-10°	57452.7	55262.1	53626.9	52096.8	50122.3	43671.4	30731.5	15695.1	5626.4	2037.8	995.9
-12.5°	56212.9	54444.2	52987.0	51520.7	49361.6	40685.5	26233.3	12132.2	4477.0	1708.4	965.0
-15°	54996.7	53615.0	52243.2	50533.8	46184.7	35947.4	21028.6	7853.6	3093.6	1311.3	927.8
-17.5°	53939.7	52690.5	51344.2	49408.6	41737.0	29207.1	15662.6	6022.2	2276.6	1030.9	885.5
-20°	52842.2	51686.3	49995.4	44910.3	35380.8	21728.2	9629.6	4061.0	1710.8	977.7	844.9



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	51686.3	50193.9	46527.8	39082.9	26469.1	14577.6	6051.2	2402.8	1083.6	918.4	799.8
-25°	49995.4	46527.8	39861.1	28915.0	17606.3	7408.9	3520.3	1667.8	985.1	860.2	748.6
-27.5°	44910.3	39082.9	28915.0	18626.3	8811.7	4514.0	2065.2	1033.8	910.1	802.6	683.5
-30°	35380.8	26469.1	17606.3	8811.7	4848.2	2266.4	1169.6	948.3	840.7	737.3	613.6
-32.5°	21728.2	14577.6	7408.9	4514.0	2266.4	1267.6	967.7	863.9	771.0	657.9	556.3
-35°	9629.6	6051.2	3520.3	2065.2	1169.6	967.7	871.7	786.1	684.9	581.0	501.1
-37.5°	4061.0	2402.8	1667.8	1033.8	948.3	863.9	786.1	693.9	593.5	519.4	453.2
-40°	1710.8	1083.6	985.1	910.1	840.7	771.0	684.9	593.5	525.5	462.2	408.0
-42.5°	977.7	918.4	860.2	802.6	737.3	657.9	581.0	519.4	462.2	412.5	393.8
-45°	844.9	799.8	748.6	683.5	613.6	556.3	501.1	453.2	408.0	393.8	388.4
-47.5°	719.8	669.0	613.3	565.7	519.9	474.1	435.4	397.6	392.8	387.9	382.8
-50°	581.3	548.2	511.8	475.0	443.1	409.1	395.1	390.9	386.5	381.9	334.8
-52.5°	479.5	456.6	431.5	404.1	395.3	391.8	388.1	384.1	380.0	300.1	189.1
-55°	401.8	396.0	393.4	390.6	387.6	384.3	380.9	338.0	242.9	143.7	125.8
-57.5°	389.6	387.5	385.1	382.6	379.8	326.4	247.4	164.0	131.6	116.9	102.9
-60°	380.9	378.9	326.4	267.9	204.5	141.2	129.6	117.4	104.5	97.6	90.6
-62.5°	209.9	166.0	138.1	129.6	120.4	110.6	102.1	96.6	90.7	84.9	81.7
-65°	117.8	111.5	104.5	100.5	96.4	92.0	87.2	83.7	81.1	78.3	74.9
-67.5°	93.4	90.6	87.5	84.7	82.8	80.9	78.7	76.5	72.4	67.4	62.1
-70°	80.5	79.3	77.9	76.4	73.7	70.2	66.5	62.5	58.2	55.3	53.0
-72.5°	67.5	65.4	63.0	60.4	57.5	55.6	54.0	52.3	50.5	48.6	46.6
-75°	53.3	52.4	51.4	50.3	49.1	47.8	46.4	44.9	43.4	41.7	40.0
-77.5°	44.5	43.7	42.9	42.0	41.0	39.9	38.7	37.5	36.2	34.8	33.4
-80°	35.6	35.0	34.3	33.6	32.8	31.9	31.0	30.0	28.9	27.9	26.7
-82.5°	26.7	26.2	25.7	25.2	24.6	23.9	23.2	22.5	21.7	20.9	20.0
-85°	17.8	17.5	17.1	16.8	16.4	15.9	15.5	15.0	14.5	14.0	13.4
-87.5°	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1R-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.9
85°	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
82.5°	19.1	18.2	17.2	16.2	15.2	14.2	13.1	12.0	10.9	9.7	8.5
80°	25.5	24.3	23.0	21.6	20.2	18.8	17.4	15.9	14.4	12.9	11.4
77.5°	31.9	30.3	28.7	27.0	25.3	23.5	21.7	19.8	18.0	16.1	14.1
75°	38.2	36.3	34.3	32.3	30.3	28.2	26.0	23.8	21.5	19.2	16.9
72.5°	44.4	42.3	40.0	37.6	35.2	32.8	30.2	27.6	25.0	22.3	19.6
70°	50.6	48.2	45.6	42.9	40.1	37.3	34.4	31.5	28.5	25.4	22.3
67.5°	56.7	53.9	51.1	48.1	45.0	41.8	38.6	35.3	31.9	28.5	25.0
65°	68.9	62.6	56.5	53.1	49.7	46.3	42.7	39.0	35.3	31.5	27.6
62.5°	78.4	74.0	66.9	59.5	54.4	50.6	46.7	42.7	38.6	34.4	30.2
60°	84.3	80.5	76.6	69.5	61.2	54.8	50.6	46.3	41.8	37.3	32.8
57.5°	95.0	86.8	81.8	77.5	70.3	61.2	54.4	49.7	45.0	40.1	35.2
55°	108.7	97.7	88.6	82.3	77.5	69.5	59.5	53.1	48.1	42.9	37.6
52.5°	131.3	112.3	98.5	88.6	81.8	76.6	66.9	56.5	51.1	45.6	40.0
50°	212.0	133.1	112.3	97.7	86.8	80.5	74.0	62.6	53.9	48.2	42.3
47.5°	346.4	212.0	131.3	108.7	95.0	84.3	78.4	68.9	56.7	50.6	44.4
45°	382.8	334.8	189.1	125.8	102.9	90.6	81.7	74.9	62.1	53.0	46.6
42.5°	387.9	381.9	300.1	143.7	116.9	97.6	84.9	78.3	67.4	55.3	48.6
40°	392.8	386.5	380.0	242.9	131.6	104.5	90.7	81.1	72.4	58.2	50.5
37.5°	397.6	390.9	384.1	338.0	164.0	117.4	96.6	83.7	76.5	62.5	52.3
35°	435.4	395.1	388.1	380.9	247.4	129.6	102.1	87.2	78.7	66.5	54.0
32.5°	474.1	409.1	391.8	384.3	326.4	141.2	110.6	92.0	80.9	70.2	55.6
30°	519.9	443.1	395.3	387.6	379.8	204.5	120.4	96.4	82.8	73.7	57.5
27.5°	565.7	475.0	404.1	390.6	382.6	267.9	129.6	100.5	84.7	76.4	60.4
25°	613.3	511.8	431.5	393.4	385.1	326.4	138.1	104.5	87.5	77.9	63.0
22.5°	669.0	548.2	456.6	396.0	387.5	378.9	166.0	111.5	90.6	79.3	65.4
20°	719.8	581.3	479.5	401.8	389.6	380.9	209.9	117.8	93.4	80.5	67.5
17.5°	764.0	616.7	505.5	420.5	391.5	382.6	248.9	123.4	95.9	81.6	69.5
15°	796.9	653.6	529.3	436.9	393.2	384.1	283.1	128.3	98.1	82.6	71.1
12.5°	825.1	685.1	549.7	450.9	394.6	385.4	312.1	132.5	100.0	83.4	72.5
10°	848.5	711.1	566.6	462.4	395.8	386.5	336.1	136.0	101.5	84.1	73.7
7.5°	866.8	731.5	579.7	471.4	396.7	387.3	354.8	138.6	102.7	84.6	74.6
5°	879.9	746.1	589.2	477.9	397.4	387.9	368.2	140.6	103.5	85.0	75.3
2.5°	887.9	755.0	594.9	481.8	397.8	388.3	376.2	141.7	104.0	85.2	75.7
0°	890.5	757.9	596.8	483.1	397.9	388.4	378.9	142.1	104.2	85.3	75.8
-2.5°	887.9	755.0	594.9	481.8	397.8	388.3	376.2	141.7	104.0	85.2	75.7
-5°	879.9	746.1	589.2	477.9	397.4	387.9	368.2	140.6	103.5	85.0	75.3
-7.5°	866.8	731.5	579.7	471.4	396.7	387.3	354.8	138.6	102.7	84.6	74.6
-10°	848.5	711.1	566.6	462.4	395.8	386.5	336.1	136.0	101.5	84.1	73.7
-12.5°	825.1	685.1	549.7	450.9	394.6	385.4	312.1	132.5	100.0	83.4	72.5
-15°	796.9	653.6	529.3	436.9	393.2	384.1	283.1	128.3	98.1	82.6	71.1
-17.5°	764.0	616.7	505.5	420.5	391.5	382.6	248.9	123.4	95.9	81.6	69.5
-20°	719.8	581.3	479.5	401.8	389.6	380.9	209.9	117.8	93.4	80.5	67.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	669.0	548.2	456.6	396.0	387.5	378.9	166.0	111.5	90.6	79.3	65.4
-25°	613.3	511.8	431.5	393.4	385.1	326.4	138.1	104.5	87.5	77.9	63.0
-27.5°	565.7	475.0	404.1	390.6	382.6	267.9	129.6	100.5	84.7	76.4	60.4
-30°	519.9	443.1	395.3	387.6	379.8	204.5	120.4	96.4	82.8	73.7	57.5
-32.5°	474.1	409.1	391.8	384.3	326.4	141.2	110.6	92.0	80.9	70.2	55.6
-35°	435.4	395.1	388.1	380.9	247.4	129.6	102.1	87.2	78.7	66.5	54.0
-37.5°	397.6	390.9	384.1	338.0	164.0	117.4	96.6	83.7	76.5	62.5	52.3
-40°	392.8	386.5	380.0	242.9	131.6	104.5	90.7	81.1	72.4	58.2	50.5
-42.5°	387.9	381.9	300.1	143.7	116.9	97.6	84.9	78.3	67.4	55.3	48.6
-45°	382.8	334.8	189.1	125.8	102.9	90.6	81.7	74.9	62.1	53.0	46.6
-47.5°	346.4	212.0	131.3	108.7	95.0	84.3	78.4	68.9	56.7	50.6	44.4
-50°	212.0	133.1	112.3	97.7	86.8	80.5	74.0	62.6	53.9	48.2	42.3
-52.5°	131.3	112.3	98.5	88.6	81.8	76.6	66.9	56.5	51.1	45.6	40.0
-55°	108.7	97.7	88.6	82.3	77.5	69.5	59.5	53.1	48.1	42.9	37.6
-57.5°	95.0	86.8	81.8	77.5	70.3	61.2	54.4	49.7	45.0	40.1	35.2
-60°	84.3	80.5	76.6	69.5	61.2	54.8	50.6	46.3	41.8	37.3	32.8
-62.5°	78.4	74.0	66.9	59.5	54.4	50.6	46.7	42.7	38.6	34.4	30.2
-65°	68.9	62.6	56.5	53.1	49.7	46.3	42.7	39.0	35.3	31.5	27.6
-67.5°	56.7	53.9	51.1	48.1	45.0	41.8	38.6	35.3	31.9	28.5	25.0
-70°	50.6	48.2	45.6	42.9	40.1	37.3	34.4	31.5	28.5	25.4	22.3
-72.5°	44.4	42.3	40.0	37.6	35.2	32.8	30.2	27.6	25.0	22.3	19.6
-75°	38.2	36.3	34.3	32.3	30.3	28.2	26.0	23.8	21.5	19.2	16.9
-77.5°	31.9	30.3	28.7	27.0	25.3	23.5	21.7	19.8	18.0	16.1	14.1
-80°	25.5	24.3	23.0	21.6	20.2	18.8	17.4	15.9	14.4	12.9	11.4
-82.5°	19.1	18.2	17.2	16.2	15.2	14.2	13.1	12.0	10.9	9.7	8.5
-85°	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
-87.5°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	2.1	1.6	1.2	0.8	0.4	0.0
85°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
82.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
80°	9.8	8.2	6.6	4.9	3.3	1.6	0.0
77.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
75°	14.5	12.2	9.8	7.4	4.9	2.5	0.0
72.5°	16.9	14.1	11.4	8.5	5.7	2.9	0.0
70°	19.2	16.1	12.9	9.7	6.5	3.2	0.0
67.5°	21.5	18.0	14.4	10.9	7.3	3.6	0.0
65°	23.8	19.8	15.9	12.0	8.0	4.0	0.0
62.5°	26.0	21.7	17.4	13.1	8.8	4.4	0.0
60°	28.2	23.5	18.8	14.2	9.5	4.7	0.0
57.5°	30.3	25.3	20.2	15.2	10.2	5.1	0.0
55°	32.3	27.0	21.6	16.2	10.9	5.4	0.0
52.5°	34.3	28.7	23.0	17.2	11.5	5.8	0.0
50°	36.3	30.3	24.3	18.2	12.2	6.1	0.0
47.5°	38.2	31.9	25.5	19.1	12.8	6.4	0.0
45°	40.0	33.4	26.7	20.0	13.4	6.7	0.0
42.5°	41.7	34.8	27.9	20.9	14.0	7.0	0.0
40°	43.4	36.2	28.9	21.7	14.5	7.3	0.0
37.5°	44.9	37.5	30.0	22.5	15.0	7.5	0.0
35°	46.4	38.7	31.0	23.2	15.5	7.8	0.0
32.5°	47.8	39.9	31.9	23.9	15.9	8.0	0.0
30°	49.1	41.0	32.8	24.6	16.4	8.2	0.0
27.5°	50.3	42.0	33.6	25.2	16.8	8.4	0.0
25°	51.4	42.9	34.3	25.7	17.1	8.6	0.0
22.5°	52.4	43.7	35.0	26.2	17.5	8.8	0.0
20°	53.3	44.5	35.6	26.7	17.8	8.9	0.0
17.5°	54.1	45.2	36.1	27.1	18.0	9.1	0.0
15°	54.8	45.8	36.6	27.4	18.3	9.2	0.0
12.5°	55.4	46.3	37.0	27.7	18.5	9.3	0.0
10°	55.9	46.7	37.3	28.0	18.6	9.4	0.0
7.5°	56.3	47.0	37.6	28.2	18.7	9.4	0.0
5°	56.6	47.2	37.8	28.3	18.8	9.5	0.0
2.5°	56.7	47.4	37.9	28.4	18.9	9.5	0.0
0°	56.8	47.4	37.9	28.4	18.9	9.5	0.0
-2.5°	56.7	47.4	37.9	28.4	18.9	9.5	0.0
-5°	56.6	47.2	37.8	28.3	18.8	9.5	0.0
-7.5°	56.3	47.0	37.6	28.2	18.7	9.4	0.0
-10°	55.9	46.7	37.3	28.0	18.6	9.4	0.0
-12.5°	55.4	46.3	37.0	27.7	18.5	9.3	0.0
-15°	54.8	45.8	36.6	27.4	18.3	9.2	0.0
-17.5°	54.1	45.2	36.1	27.1	18.0	9.1	0.0
-20°	53.3	44.5	35.6	26.7	17.8	8.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.4	43.7	35.0	26.2	17.5	8.8	0.0
-25°	51.4	42.9	34.3	25.7	17.1	8.6	0.0
-27.5°	50.3	42.0	33.6	25.2	16.8	8.4	0.0
-30°	49.1	41.0	32.8	24.6	16.4	8.2	0.0
-32.5°	47.8	39.9	31.9	23.9	15.9	8.0	0.0
-35°	46.4	38.7	31.0	23.2	15.5	7.8	0.0
-37.5°	44.9	37.5	30.0	22.5	15.0	7.5	0.0
-40°	43.4	36.2	28.9	21.7	14.5	7.3	0.0
-42.5°	41.7	34.8	27.9	20.9	14.0	7.0	0.0
-45°	40.0	33.4	26.7	20.0	13.4	6.7	0.0
-47.5°	38.2	31.9	25.5	19.1	12.8	6.4	0.0
-50°	36.3	30.3	24.3	18.2	12.2	6.1	0.0
-52.5°	34.3	28.7	23.0	17.2	11.5	5.8	0.0
-55°	32.3	27.0	21.6	16.2	10.9	5.4	0.0
-57.5°	30.3	25.3	20.2	15.2	10.2	5.1	0.0
-60°	28.2	23.5	18.8	14.2	9.5	4.7	0.0
-62.5°	26.0	21.7	17.4	13.1	8.8	4.4	0.0
-65°	23.8	19.8	15.9	12.0	8.0	4.0	0.0
-67.5°	21.5	18.0	14.4	10.9	7.3	3.6	0.0
-70°	19.2	16.1	12.9	9.7	6.5	3.2	0.0
-72.5°	16.9	14.1	11.4	8.5	5.7	2.9	0.0
-75°	14.5	12.2	9.8	7.4	4.9	2.5	0.0
-77.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
-80°	9.8	8.2	6.6	4.9	3.3	1.6	0.0
-82.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
-85°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.6	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)