

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: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-3R-A**

Issue Date: 2/3/2026

**Test Information**

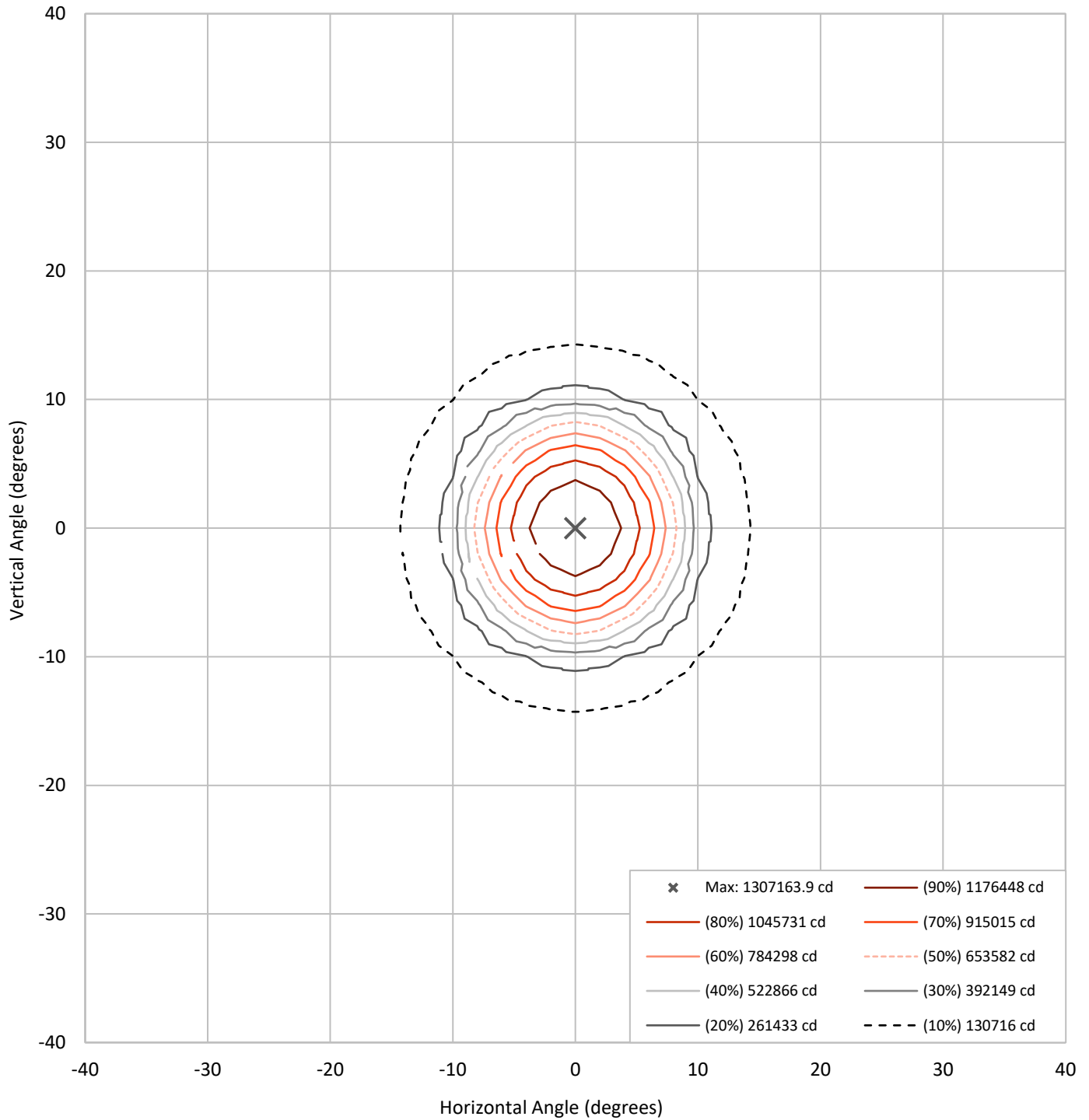
Test Method: LM-79-08  
Report Number: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200R-40-70-3R-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 70 CRI LEDS AND 3R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	165977.8 lumens	Max Intensity:	1307163.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.7 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	16.5°H x 16.5°V	Field Angle (10%):	28.4°H x 28.4°V
Beam Lumens:	60692.8 lumens	Field Lumens:	98662.9 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%
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





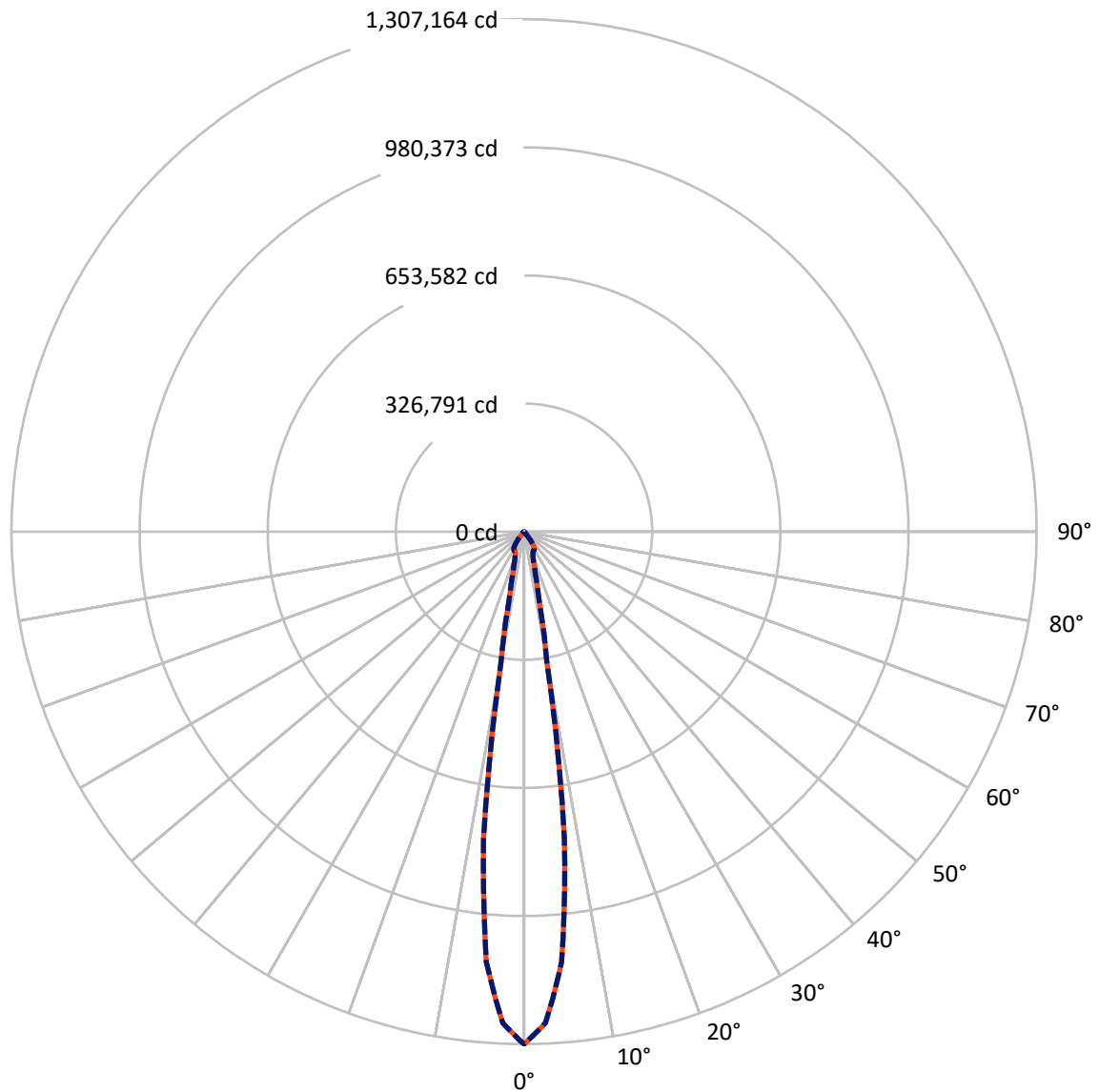
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### Lumen Table

90	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1			
80	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1			
70	0.4	0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4	0.4			
60		0.6	1.3	2.8	5.5	10.2	15.1	17.9	17.9	15.1	10.2	5.5	2.8	1.3	0.6				
50	0.6	0.8	2.3	6.4	15.7	25.6	52.5	87.3	87.3	52.5	25.6	15.7	6.4	2.3	0.8	0.6			
40		1.1	3.9	13.6	33.8	216.3	690.7	1030.4	1030.4	690.7	216.3	33.8	13.6	3.9	1.1				
30	0.8	1.5	6.6	20.1	197.8	1007.6	1526.8	1693.8	1693.8	1526.8	1007.6	197.8	20.1	6.6	1.5	0.8			
20		1.8	9.2	39.4	594.7	1433.6	1955.1	3522.0	3522.0	1955.1	1433.6	594.7	39.4	9.2	1.8				
10	0.9	2.0	10.6	64.2	858.2	1542.8	3429.2	21316.9	21316.9	3429.2	1542.8	858.2	64.2	10.6	2.0	0.9			
0		2.0	10.6	64.2	858.2	1542.8	3429.2	21316.9	21316.9	3429.2	1542.8	858.2	64.2	10.6	2.0				
-10	0.8	1.8	9.2	39.4	594.7	1433.6	1955.1	3522.0	3522.0	1955.1	1433.6	594.7	39.4	9.2	1.8	0.8			
-20		1.5	6.6	20.1	197.8	1007.6	1526.8	1693.8	1693.8	1526.8	1007.6	197.8	20.1	6.6	1.5				
-30	0.6	1.1	3.9	13.6	33.8	216.3	690.7	1030.4	1030.4	690.7	216.3	33.8	13.6	3.9	1.1	0.6			
-40		0.8	2.3	6.4	15.7	25.6	52.5	87.3	87.3	52.5	25.6	15.7	6.4	2.3	0.8				
-50	0.4	0.6	1.3	2.8	5.5	10.2	15.1	17.9	17.9	15.1	10.2	5.5	2.8	1.3	0.6	0.4			
-60		0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4				
-70	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1			
-80		0.8		2.0		3.3		3.8		3.3		2.0		0.8					
-90	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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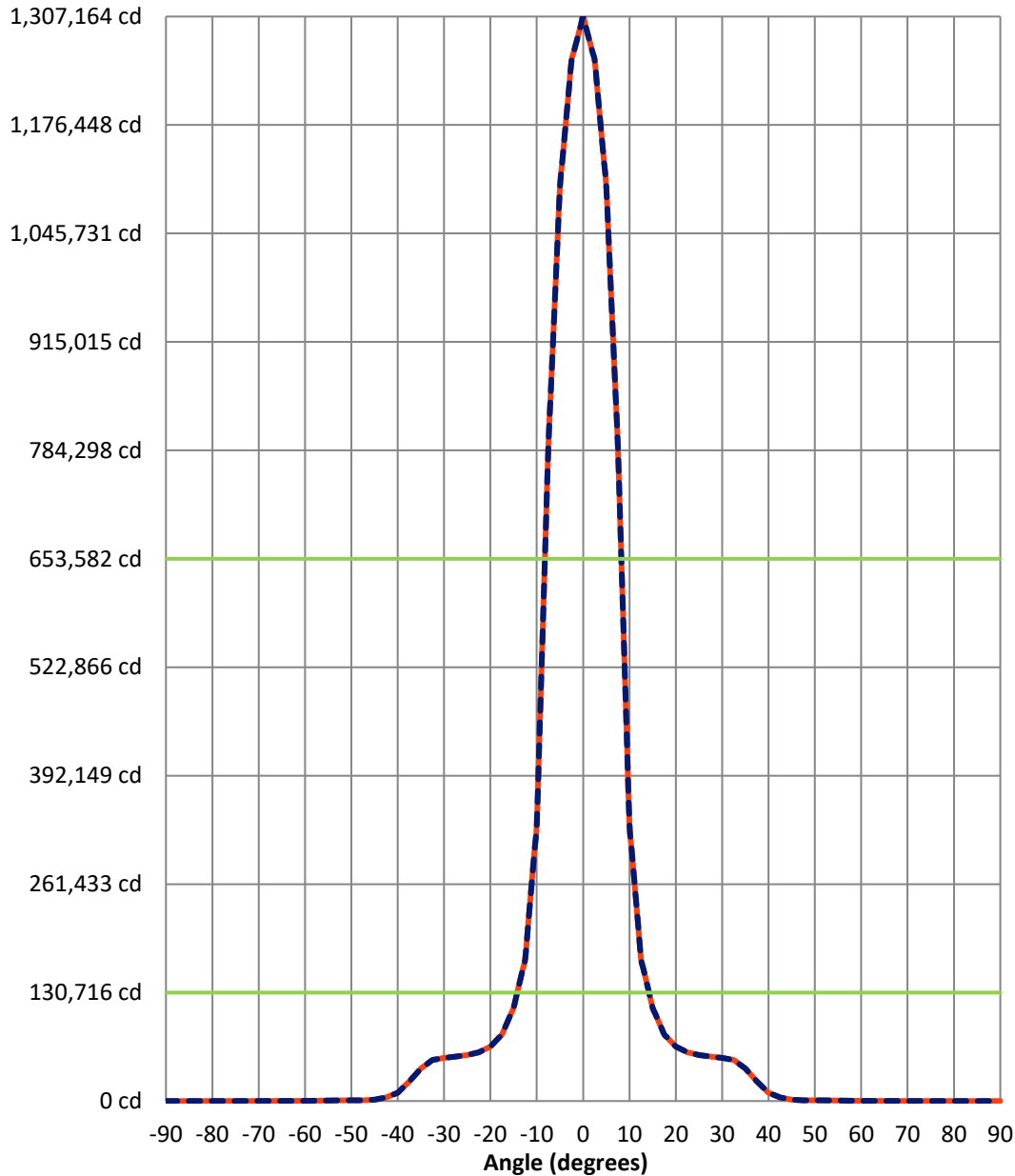
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 16.5°  
 V Angle: 16.5°  
 Lumens: 60692.8  
 Efficiency: 36.6%

**Field:**  
 H Angle: 28.4°  
 V Angle: 28.4°  
 Lumens: 98662.9  
 Efficiency: 59.4%

**Spill:**  
 Lumens: 67314.9  
 Efficiency: 40.6%

- 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	9.5	9.5	9.5
80°	0.0	1.6	3.3	4.9	6.6	8.2	9.5	9.5	9.5	9.5	9.5
77.5°	0.0	2.1	4.1	6.2	8.2	9.5	9.5	9.5	9.5	9.5	10.4
75°	0.0	2.5	4.9	7.4	9.5	9.5	9.5	9.5	9.8	12.1	14.3
72.5°	0.0	2.9	5.7	8.5	9.5	9.5	9.5	10.2	12.9	15.5	18.2
70°	0.0	3.2	6.5	9.5	9.5	9.5	9.8	12.9	16.0	19.0	22.0
67.5°	0.0	3.6	7.3	9.5	9.5	9.5	12.1	15.5	19.0	22.4	25.8
65°	0.0	4.0	8.0	9.5	9.5	10.4	14.3	18.2	22.0	25.8	29.5
62.5°	0.0	4.4	8.8	9.5	9.5	12.3	16.5	20.7	24.9	29.1	33.2
60°	0.0	4.7	9.5	9.5	9.5	14.1	18.7	23.3	27.8	32.3	36.8
57.5°	0.0	5.1	9.5	9.5	10.8	15.8	20.8	25.7	30.6	35.5	40.2
55°	0.0	5.4	9.5	9.5	12.2	17.5	22.8	28.1	33.4	38.6	43.6
52.5°	0.0	5.8	9.5	9.5	13.5	19.2	24.8	30.5	36.1	41.6	47.0
50°	0.0	6.1	9.5	9.5	14.8	20.8	26.8	32.8	38.7	44.4	53.1
47.5°	0.0	6.4	9.5	9.7	16.0	22.4	28.7	34.9	41.1	47.2	59.4
45°	0.0	6.7	9.5	10.6	17.2	23.9	30.5	37.1	43.5	52.6	65.4
42.5°	0.0	7.0	9.5	11.5	18.4	25.3	32.2	39.1	45.8	57.9	68.8
40°	0.0	7.3	9.5	12.3	19.4	26.7	33.9	41.0	48.7	62.9	71.5
37.5°	0.0	7.5	9.5	13.0	20.5	28.0	35.4	42.8	53.0	67.0	74.2
35°	0.0	7.8	9.5	13.8	21.5	29.2	36.9	44.5	57.0	69.2	78.6
32.5°	0.0	8.0	9.5	14.5	22.4	30.4	38.3	46.1	60.7	71.3	85.7
30°	0.0	8.2	9.5	15.1	23.3	31.5	39.6	48.0	64.2	73.3	92.4
27.5°	0.0	8.4	9.5	15.7	24.1	32.5	40.8	50.9	66.9	75.1	98.6
25°	0.0	8.6	9.5	16.2	24.8	33.4	41.9	53.5	68.4	79.0	104.5
22.5°	0.0	8.8	9.5	16.7	25.5	34.2	42.9	55.9	69.8	83.7	113.2
20°	0.0	8.9	9.5	17.2	26.1	35.0	43.8	58.0	71.0	87.9	121.1
17.5°	0.0	9.1	9.5	17.6	26.6	35.7	44.6	60.0	72.1	91.7	128.2
15°	0.0	9.2	9.5	17.9	27.1	36.3	45.3	61.6	73.0	94.9	134.3
12.5°	0.0	9.3	9.5	18.2	27.5	36.8	45.9	63.0	73.8	97.7	139.5
10°	0.0	9.4	9.5	18.5	27.8	37.2	46.4	64.2	74.5	100.0	143.8
7.5°	0.0	9.4	9.5	18.7	28.1	37.5	46.8	65.1	75.0	101.8	147.2
5°	0.0	9.5	9.5	18.8	28.3	37.7	47.1	65.8	75.4	103.1	149.6
2.5°	0.0	9.5	9.5	18.9	28.4	37.9	47.2	66.2	75.6	103.8	151.0
0°	0.0	9.5	9.5	18.9	28.4	37.9	47.3	66.3	75.7	104.1	151.5
-2.5°	0.0	9.5	9.5	18.9	28.4	37.9	47.2	66.2	75.6	103.8	151.0
-5°	0.0	9.5	9.5	18.8	28.3	37.7	47.1	65.8	75.4	103.1	149.6
-7.5°	0.0	9.4	9.5	18.7	28.1	37.5	46.8	65.1	75.0	101.8	147.2
-10°	0.0	9.4	9.5	18.5	27.8	37.2	46.4	64.2	74.5	100.0	143.8
-12.5°	0.0	9.3	9.5	18.2	27.5	36.8	45.9	63.0	73.8	97.7	139.5
-15°	0.0	9.2	9.5	17.9	27.1	36.3	45.3	61.6	73.0	94.9	134.3
-17.5°	0.0	9.1	9.5	17.6	26.6	35.7	44.6	60.0	72.1	91.7	128.2
-20°	0.0	8.9	9.5	17.2	26.1	35.0	43.8	58.0	71.0	87.9	121.1



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 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-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	9.5	16.7	25.5	34.2	42.9	55.9	69.8	83.7	113.2
-25°	0.0	8.6	9.5	16.2	24.8	33.4	41.9	53.5	68.4	79.0	104.5
-27.5°	0.0	8.4	9.5	15.7	24.1	32.5	40.8	50.9	66.9	75.1	98.6
-30°	0.0	8.2	9.5	15.1	23.3	31.5	39.6	48.0	64.2	73.3	92.4
-32.5°	0.0	8.0	9.5	14.5	22.4	30.4	38.3	46.1	60.7	71.3	85.7
-35°	0.0	7.8	9.5	13.8	21.5	29.2	36.9	44.5	57.0	69.2	78.6
-37.5°	0.0	7.5	9.5	13.0	20.5	28.0	35.4	42.8	53.0	67.0	74.2
-40°	0.0	7.3	9.5	12.3	19.4	26.7	33.9	41.0	48.7	62.9	71.5
-42.5°	0.0	7.0	9.5	11.5	18.4	25.3	32.2	39.1	45.8	57.9	68.8
-45°	0.0	6.7	9.5	10.6	17.2	23.9	30.5	37.1	43.5	52.6	65.4
-47.5°	0.0	6.4	9.5	9.7	16.0	22.4	28.7	34.9	41.1	47.2	59.4
-50°	0.0	6.1	9.5	9.5	14.8	20.8	26.8	32.8	38.7	44.4	53.1
-52.5°	0.0	5.8	9.5	9.5	13.5	19.2	24.8	30.5	36.1	41.6	47.0
-55°	0.0	5.4	9.5	9.5	12.2	17.5	22.8	28.1	33.4	38.6	43.6
-57.5°	0.0	5.1	9.5	9.5	10.8	15.8	20.8	25.7	30.6	35.5	40.2
-60°	0.0	4.7	9.5	9.5	9.5	14.1	18.7	23.3	27.8	32.3	36.8
-62.5°	0.0	4.4	8.8	9.5	9.5	12.3	16.5	20.7	24.9	29.1	33.2
-65°	0.0	4.0	8.0	9.5	9.5	10.4	14.3	18.2	22.0	25.8	29.5
-67.5°	0.0	3.6	7.3	9.5	9.5	9.5	12.1	15.5	19.0	22.4	25.8
-70°	0.0	3.2	6.5	9.5	9.5	9.5	9.8	12.9	16.0	19.0	22.0
-72.5°	0.0	2.9	5.7	8.5	9.5	9.5	9.5	10.2	12.9	15.5	18.2
-75°	0.0	2.5	4.9	7.4	9.5	9.5	9.5	9.5	9.8	12.1	14.3
-77.5°	0.0	2.1	4.1	6.2	8.2	9.5	9.5	9.5	9.5	9.5	10.4
-80°	0.0	1.6	3.3	4.9	6.6	8.2	9.5	9.5	9.5	9.5	9.5
-82.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.5	9.5	9.5	9.5
-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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**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	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.7	10.6	11.5	12.3	13.0
80°	9.5	9.5	10.8	12.2	13.5	14.8	16.0	17.2	18.4	19.4	20.5
77.5°	12.3	14.1	15.8	17.5	19.2	20.8	22.4	23.9	25.3	26.7	28.0
75°	16.5	18.7	20.8	22.8	24.8	26.8	28.7	30.5	32.2	33.9	35.4
72.5°	20.7	23.3	25.7	28.1	30.5	32.8	34.9	37.1	39.1	41.0	42.8
70°	24.9	27.8	30.6	33.4	36.1	38.7	41.1	43.5	45.8	48.7	53.0
67.5°	29.1	32.3	35.5	38.6	41.6	44.4	47.2	52.6	57.9	62.9	67.0
65°	33.2	36.8	40.2	43.6	47.0	53.1	59.4	65.4	68.8	71.5	74.2
62.5°	37.2	41.1	44.9	50.0	57.4	64.5	68.8	72.2	75.3	83.8	92.6
60°	41.1	45.3	51.7	60.0	67.1	71.0	74.7	83.7	94.2	104.5	120.6
57.5°	44.9	51.7	60.8	68.0	72.3	78.0	90.3	102.2	120.0	138.3	154.1
55°	50.0	60.0	68.0	72.7	80.7	94.3	109.8	131.2	151.7	163.6	175.0
52.5°	57.4	67.1	72.3	80.7	95.6	114.3	137.9	157.1	170.5	188.9	221.7
50°	64.5	71.0	78.0	94.3	114.3	140.2	159.9	174.6	203.8	240.4	295.7
47.5°	68.8	74.7	90.3	109.8	137.9	159.9	176.0	211.3	251.8	326.3	401.7
45°	72.2	83.7	102.2	131.2	157.1	174.6	211.3	255.6	341.8	433.0	548.6
42.5°	75.3	94.2	120.0	151.7	170.5	203.8	251.8	341.8	444.3	571.5	685.3
40°	83.8	104.5	138.3	163.6	188.9	240.4	326.3	433.0	571.5	695.5	808.7
37.5°	92.6	120.6	154.1	175.0	221.7	295.7	401.7	548.6	685.3	808.7	859.9
35°	101.0	135.9	164.1	195.8	252.9	363.0	503.0	654.9	788.0	855.7	886.0
32.5°	112.1	150.4	173.6	223.2	309.7	435.7	601.8	746.9	843.0	888.1	874.9
30°	124.4	159.0	186.9	249.1	365.7	522.6	686.2	822.2	880.3	878.2	1156.8
27.5°	135.9	166.6	209.1	290.9	423.0	604.1	762.5	855.0	883.6	967.7	1579.1
25°	146.6	173.6	229.6	335.7	493.0	672.7	822.0	885.6	875.4	1338.5	2728.6
22.5°	154.4	180.3	248.4	376.8	557.2	733.3	848.2	884.0	1009.2	1721.8	3995.5
20°	159.6	195.8	275.3	417.1	615.6	788.4	872.1	877.6	1301.6	2802.7	5966.2
17.5°	164.3	209.6	305.7	464.9	662.2	823.7	889.1	871.8	1564.8	3777.9	8127.5
15°	168.4	221.7	332.2	506.8	701.9	841.0	884.4	1055.5	2114.2	4900.1	10122.9
12.5°	171.9	231.9	354.9	542.5	735.9	855.8	880.4	1239.3	2798.6	6424.7	14149.9
10°	174.8	240.4	373.6	572.0	763.9	868.0	877.1	1391.6	3366.3	7691.4	17503.4
7.5°	177.0	247.0	388.2	595.1	785.9	877.6	874.5	1511.1	3812.7	8689.2	20150.0
5°	178.6	251.8	398.7	611.6	801.6	884.5	872.6	1597.2	4134.3	9408.9	22061.6
2.5°	179.6	254.6	405.0	621.6	811.1	888.6	871.5	1649.1	4328.3	9843.5	23217.4
0°	179.9	255.6	407.1	624.9	814.3	890.0	871.1	1666.4	4393.2	9988.9	23604.1
-2.5°	179.6	254.6	405.0	621.6	811.1	888.6	871.5	1649.1	4328.3	9843.5	23217.4
-5°	178.6	251.8	398.7	611.6	801.6	884.5	872.6	1597.2	4134.3	9408.9	22061.6
-7.5°	177.0	247.0	388.2	595.1	785.9	877.6	874.5	1511.1	3812.7	8689.2	20150.0
-10°	174.8	240.4	373.6	572.0	763.9	868.0	877.1	1391.6	3366.3	7691.4	17503.4
-12.5°	171.9	231.9	354.9	542.5	735.9	855.8	880.4	1239.3	2798.6	6424.7	14149.9
-15°	168.4	221.7	332.2	506.8	701.9	841.0	884.4	1055.5	2114.2	4900.1	10122.9
-17.5°	164.3	209.6	305.7	464.9	662.2	823.7	889.1	871.8	1564.8	3777.9	8127.5
-20°	159.6	195.8	275.3	417.1	615.6	788.4	872.1	877.6	1301.6	2802.7	5966.2



REPORT NUMBER: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	154.4	180.3	248.4	376.8	557.2	733.3	848.2	884.0	1009.2	1721.8	3995.5
-25°	146.6	173.6	229.6	335.7	493.0	672.7	822.0	885.6	875.4	1338.5	2728.6
-27.5°	135.9	166.6	209.1	290.9	423.0	604.1	762.5	855.0	883.6	967.7	1579.1
-30°	124.4	159.0	186.9	249.1	365.7	522.6	686.2	822.2	880.3	878.2	1156.8
-32.5°	112.1	150.4	173.6	223.2	309.7	435.7	601.8	746.9	843.0	888.1	874.9
-35°	101.0	135.9	164.1	195.8	252.9	363.0	503.0	654.9	788.0	855.7	886.0
-37.5°	92.6	120.6	154.1	175.0	221.7	295.7	401.7	548.6	685.3	808.7	859.9
-40°	83.8	104.5	138.3	163.6	188.9	240.4	326.3	433.0	571.5	695.5	808.7
-42.5°	75.3	94.2	120.0	151.7	170.5	203.8	251.8	341.8	444.3	571.5	685.3
-45°	72.2	83.7	102.2	131.2	157.1	174.6	211.3	255.6	341.8	433.0	548.6
-47.5°	68.8	74.7	90.3	109.8	137.9	159.9	176.0	211.3	251.8	326.3	401.7
-50°	64.5	71.0	78.0	94.3	114.3	140.2	159.9	174.6	203.8	240.4	295.7
-52.5°	57.4	67.1	72.3	80.7	95.6	114.3	137.9	157.1	170.5	188.9	221.7
-55°	50.0	60.0	68.0	72.7	80.7	94.3	109.8	131.2	151.7	163.6	175.0
-57.5°	44.9	51.7	60.8	68.0	72.3	78.0	90.3	102.2	120.0	138.3	154.1
-60°	41.1	45.3	51.7	60.0	67.1	71.0	74.7	83.7	94.2	104.5	120.6
-62.5°	37.2	41.1	44.9	50.0	57.4	64.5	68.8	72.2	75.3	83.8	92.6
-65°	33.2	36.8	40.2	43.6	47.0	53.1	59.4	65.4	68.8	71.5	74.2
-67.5°	29.1	32.3	35.5	38.6	41.6	44.4	47.2	52.6	57.9	62.9	67.0
-70°	24.9	27.8	30.6	33.4	36.1	38.7	41.1	43.5	45.8	48.7	53.0
-72.5°	20.7	23.3	25.7	28.1	30.5	32.8	34.9	37.1	39.1	41.0	42.8
-75°	16.5	18.7	20.8	22.8	24.8	26.8	28.7	30.5	32.2	33.9	35.4
-77.5°	12.3	14.1	15.8	17.5	19.2	20.8	22.4	23.9	25.3	26.7	28.0
-80°	9.5	9.5	10.8	12.2	13.5	14.8	16.0	17.2	18.4	19.4	20.5
-82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.7	10.6	11.5	12.3	13.0
-85°	8.8	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-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: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	13.8	14.5	15.1	15.7	16.2	16.7	17.2	17.6	17.9	18.2	18.5
80°	21.5	22.4	23.3	24.1	24.8	25.5	26.1	26.6	27.1	27.5	27.8
77.5°	29.2	30.4	31.5	32.5	33.4	34.2	35.0	35.7	36.3	36.8	37.2
75°	36.9	38.3	39.6	40.8	41.9	42.9	43.8	44.6	45.3	45.9	46.4
72.5°	44.5	46.1	48.0	50.9	53.5	55.9	58.0	60.0	61.6	63.0	64.2
70°	57.0	60.7	64.2	66.9	68.4	69.8	71.0	72.1	73.0	73.8	74.5
67.5°	69.2	71.3	73.3	75.1	79.0	83.7	87.9	91.7	94.9	97.7	100.0
65°	78.6	85.7	92.4	98.6	104.5	113.2	121.1	128.2	134.3	139.5	143.8
62.5°	101.0	112.1	124.4	135.9	146.6	154.4	159.6	164.3	168.4	171.9	174.8
60°	135.9	150.4	159.0	166.6	173.6	180.3	195.8	209.6	221.7	231.9	240.4
57.5°	164.1	173.6	186.9	209.1	229.6	248.4	275.3	305.7	332.2	354.9	373.6
55°	195.8	223.2	249.1	290.9	335.7	376.8	417.1	464.9	506.8	542.5	572.0
52.5°	252.9	309.7	365.7	423.0	493.0	557.2	615.6	662.2	701.9	735.9	763.9
50°	363.0	435.7	522.6	604.1	672.7	733.3	788.4	823.7	841.0	855.8	868.0
47.5°	503.0	601.8	686.2	762.5	822.0	848.2	872.1	889.1	884.4	880.4	877.1
45°	654.9	746.9	822.2	855.0	885.6	884.0	877.6	871.8	1055.5	1239.3	1391.6
42.5°	788.0	843.0	880.3	883.6	875.4	1009.2	1301.6	1564.8	2114.2	2798.6	3366.3
40°	855.7	888.1	878.2	967.7	1338.5	1721.8	2802.7	3777.9	4900.1	6424.7	7691.4
37.5°	886.0	874.9	1156.8	1579.1	2728.6	3995.5	5966.2	8127.5	10122.9	14149.9	17503.4
35°	873.8	1252.4	1870.0	3413.6	5370.4	8159.6	11794.5	17472.8	22523.3	27374.3	31555.1
32.5°	1252.4	2038.9	3760.4	6465.5	9655.8	16451.6	23181.8	30138.3	36402.9	40948.0	43965.5
30°	1870.0	3760.4	6833.8	11024.7	19302.2	27593.5	35876.4	42010.7	46505.5	49725.6	50528.3
27.5°	3413.6	6465.5	11024.7	20262.2	29866.7	39328.5	45217.6	49775.1	50962.5	52004.0	52556.9
25°	5370.4	9655.8	19302.2	29866.7	40114.9	46852.1	50394.4	51817.7	52697.3	53410.5	54106.0
22.5°	8159.6	16451.6	27593.5	39328.5	46852.1	50603.8	52163.2	53126.2	54092.5	55034.2	56107.8
20°	11794.5	23181.8	35876.4	45217.6	50394.4	52163.2	53271.7	54461.3	55717.4	57507.0	59391.9
17.5°	17472.8	30138.3	42010.7	49775.1	51817.7	53126.2	54461.3	56059.4	58232.4	61827.2	65474.4
15°	22523.3	36402.9	46505.5	50962.5	52697.3	54092.5	55717.4	58232.4	62662.6	69001.8	77588.7
12.5°	27374.3	40948.0	49725.6	52004.0	53410.5	55034.2	57507.0	61827.2	69001.8	79674.3	100121.2
10°	31555.1	43965.5	50528.3	52556.9	54106.0	56107.8	59391.9	65474.4	77588.7	100121.2	129887.4
7.5°	34862.1	46358.8	51167.1	52997.4	54692.7	57235.9	62064.6	71574.1	90172.1	121286.1	171772.6
5°	37255.1	48094.6	51631.7	53318.8	55122.8	58067.6	64050.3	76332.9	102238.2	145099.3	228687.9
2.5°	38703.7	49146.9	51913.9	53514.6	55385.5	58577.9	65275.6	79293.5	109835.4	163614.8	304290.3
0°	<b>39188.7</b>	<b>49499.5</b>	<b>52008.6</b>	<b>53580.3</b>	<b>55473.9</b>	<b>58749.9</b>	<b>65690.1</b>	<b>80299.4</b>	<b>112434.3</b>	<b>171070.7</b>	<b>333648.3</b>
-2.5°	38703.7	49146.9	51913.9	53514.6	55385.5	58577.9	65275.6	79293.5	109835.4	163614.8	304290.3
-5°	37255.1	48094.6	51631.7	53318.8	55122.8	58067.6	64050.3	76332.9	102238.2	145099.3	228687.9
-7.5°	34862.1	46358.8	51167.1	52997.4	54692.7	57235.9	62064.6	71574.1	90172.1	121286.1	171772.6
-10°	31555.1	43965.5	50528.3	52556.9	54106.0	56107.8	59391.9	65474.4	77588.7	100121.2	129887.4
-12.5°	27374.3	40948.0	49725.6	52004.0	53410.5	55034.2	57507.0	61827.2	69001.8	79674.3	100121.2
-15°	22523.3	36402.9	46505.5	50962.5	52697.3	54092.5	55717.4	58232.4	62662.6	69001.8	77588.7
-17.5°	17472.8	30138.3	42010.7	49775.1	51817.7	53126.2	54461.3	56059.4	58232.4	61827.2	65474.4
-20°	11794.5	23181.8	35876.4	45217.6	50394.4	52163.2	53271.7	54461.3	55717.4	57507.0	59391.9



REPORT NUMBER: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8159.6	16451.6	27593.5	39328.5	46852.1	50603.8	52163.2	53126.2	54092.5	55034.2	56107.8
-25°	5370.4	9655.8	19302.2	29866.7	40114.9	46852.1	50394.4	51817.7	52697.3	53410.5	54106.0
-27.5°	3413.6	6465.5	11024.7	20262.2	29866.7	39328.5	45217.6	49775.1	50962.5	52004.0	52556.9
-30°	1870.0	3760.4	6833.8	11024.7	19302.2	27593.5	35876.4	42010.7	46505.5	49725.6	50528.3
-32.5°	1252.4	2038.9	3760.4	6465.5	9655.8	16451.6	23181.8	30138.3	36402.9	40948.0	43965.5
-35°	873.8	1252.4	1870.0	3413.6	5370.4	8159.6	11794.5	17472.8	22523.3	27374.3	31555.1
-37.5°	886.0	874.9	1156.8	1579.1	2728.6	3995.5	5966.2	8127.5	10122.9	14149.9	17503.4
-40°	855.7	888.1	878.2	967.7	1338.5	1721.8	2802.7	3777.9	4900.1	6424.7	7691.4
-42.5°	788.0	843.0	880.3	883.6	875.4	1009.2	1301.6	1564.8	2114.2	2798.6	3366.3
-45°	654.9	746.9	822.2	855.0	885.6	884.0	877.6	871.8	1055.5	1239.3	1391.6
-47.5°	503.0	601.8	686.2	762.5	822.0	848.2	872.1	889.1	884.4	880.4	877.1
-50°	363.0	435.7	522.6	604.1	672.7	733.3	788.4	823.7	841.0	855.8	868.0
-52.5°	252.9	309.7	365.7	423.0	493.0	557.2	615.6	662.2	701.9	735.9	763.9
-55°	195.8	223.2	249.1	290.9	335.7	376.8	417.1	464.9	506.8	542.5	572.0
-57.5°	164.1	173.6	186.9	209.1	229.6	248.4	275.3	305.7	332.2	354.9	373.6
-60°	135.9	150.4	159.0	166.6	173.6	180.3	195.8	209.6	221.7	231.9	240.4
-62.5°	101.0	112.1	124.4	135.9	146.6	154.4	159.6	164.3	168.4	171.9	174.8
-65°	78.6	85.7	92.4	98.6	104.5	113.2	121.1	128.2	134.3	139.5	143.8
-67.5°	69.2	71.3	73.3	75.1	79.0	83.7	87.9	91.7	94.9	97.7	100.0
-70°	57.0	60.7	64.2	66.9	68.4	69.8	71.0	72.1	73.0	73.8	74.5
-72.5°	44.5	46.1	48.0	50.9	53.5	55.9	58.0	60.0	61.6	63.0	64.2
-75°	36.9	38.3	39.6	40.8	41.9	42.9	43.8	44.6	45.3	45.9	46.4
-77.5°	29.2	30.4	31.5	32.5	33.4	34.2	35.0	35.7	36.3	36.8	37.2
-80°	21.5	22.4	23.3	24.1	24.8	25.5	26.1	26.6	27.1	27.5	27.8
-82.5°	13.8	14.5	15.1	15.7	16.2	16.7	17.2	17.6	17.9	18.2	18.5
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-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: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.2	17.9	17.6
80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
77.5°	37.5	37.7	37.9	37.9	37.9	37.7	37.5	37.2	36.8	36.3	35.7
75°	46.8	47.1	47.2	47.3	47.2	47.1	46.8	46.4	45.9	45.3	44.6
72.5°	65.1	65.8	66.2	66.3	66.2	65.8	65.1	64.2	63.0	61.6	60.0
70°	75.0	75.4	75.6	75.7	75.6	75.4	75.0	74.5	73.8	73.0	72.1
67.5°	101.8	103.1	103.8	104.1	103.8	103.1	101.8	100.0	97.7	94.9	91.7
65°	147.2	149.6	151.0	151.5	151.0	149.6	147.2	143.8	139.5	134.3	128.2
62.5°	177.0	178.6	179.6	179.9	179.6	178.6	177.0	174.8	171.9	168.4	164.3
60°	247.0	251.8	254.6	255.6	254.6	251.8	247.0	240.4	231.9	221.7	209.6
57.5°	388.2	398.7	405.0	407.1	405.0	398.7	388.2	373.6	354.9	332.2	305.7
55°	595.1	611.6	621.6	624.9	621.6	611.6	595.1	572.0	542.5	506.8	464.9
52.5°	785.9	801.6	811.1	814.3	811.1	801.6	785.9	763.9	735.9	701.9	662.2
50°	877.6	884.5	888.6	890.0	888.6	884.5	877.6	868.0	855.8	841.0	823.7
47.5°	874.5	872.6	871.5	871.1	871.5	872.6	874.5	877.1	880.4	884.4	889.1
45°	1511.1	1597.2	1649.1	1666.4	1649.1	1597.2	1511.1	1391.6	1239.3	1055.5	871.8
42.5°	3812.7	4134.3	4328.3	4393.2	4328.3	4134.3	3812.7	3366.3	2798.6	2114.2	1564.8
40°	8689.2	9408.9	9843.5	9988.9	9843.5	9408.9	8689.2	7691.4	6424.7	4900.1	3777.9
37.5°	20150.0	22061.6	23217.4	23604.1	23217.4	22061.6	20150.0	17503.4	14149.9	10122.9	8127.5
35°	34862.1	37255.1	38703.7	39188.7	38703.7	37255.1	34862.1	31555.1	27374.3	22523.3	17472.8
32.5°	46358.8	48094.6	49146.9	49499.5	49146.9	48094.6	46358.8	43965.5	40948.0	36402.9	30138.3
30°	51167.1	51631.7	51913.9	52008.6	51913.9	51631.7	51167.1	50528.3	49725.6	46505.5	42010.7
27.5°	52997.4	53318.8	53514.6	53580.3	53514.6	53318.8	52997.4	52556.9	52004.0	50962.5	49775.1
25°	54692.7	55122.8	55385.5	55473.9	55385.5	55122.8	54692.7	54106.0	53410.5	52697.3	51817.7
22.5°	57235.9	58067.6	58577.9	58749.9	58577.9	58067.6	57235.9	56107.8	55034.2	54092.5	53126.2
20°	62064.6	64050.3	65275.6	65690.1	65275.6	64050.3	62064.6	59391.9	57507.0	55717.4	54461.3
17.5°	71574.1	76332.9	79293.5	80299.4	79293.5	76332.9	71574.1	65474.4	61827.2	58232.4	56059.4
15°	90172.1	102238.2	109835.4	112434.3	109835.4	102238.2	90172.1	77588.7	69001.8	62662.6	58232.4
12.5°	121286.1	145099.3	163614.8	171070.7	163614.8	145099.3	121286.1	100121.2	79674.3	69001.8	61827.2
10°	171772.6	228687.9	304290.3	333648.3	304290.3	228687.9	171772.6	129887.4	100121.2	77588.7	65474.4
7.5°	276661.5	494507.1	716007.1	789251.2	716007.1	494507.1	276661.5	171772.6	121286.1	90172.1	71574.1
5°	494507.1	867940.4	#####	#####	#####	867940.4	494507.1	228687.9	145099.3	102238.2	76332.9
2.5°	716007.1	#####	#####	#####	#####	#####	716007.1	304290.3	163614.8	109835.4	79293.5
0°	789251.2	#####	#####	#####	#####	#####	789251.2	333648.3	171070.7	112434.3	80299.4
-2.5°	716007.1	#####	#####	#####	#####	#####	716007.1	304290.3	163614.8	109835.4	79293.5
-5°	494507.1	867940.4	#####	#####	#####	867940.4	494507.1	228687.9	145099.3	102238.2	76332.9
-7.5°	276661.5	494507.1	716007.1	789251.2	716007.1	494507.1	276661.5	171772.6	121286.1	90172.1	71574.1
-10°	171772.6	228687.9	304290.3	333648.3	304290.3	228687.9	171772.6	129887.4	100121.2	77588.7	65474.4
-12.5°	121286.1	145099.3	163614.8	171070.7	163614.8	145099.3	121286.1	100121.2	79674.3	69001.8	61827.2
-15°	90172.1	102238.2	109835.4	112434.3	109835.4	102238.2	90172.1	77588.7	69001.8	62662.6	58232.4
-17.5°	71574.1	76332.9	79293.5	80299.4	79293.5	76332.9	71574.1	65474.4	61827.2	58232.4	56059.4
-20°	62064.6	64050.3	65275.6	65690.1	65275.6	64050.3	62064.6	59391.9	57507.0	55717.4	54461.3



REPORT NUMBER: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	57235.9	58067.6	58577.9	58749.9	58577.9	58067.6	57235.9	56107.8	55034.2	54092.5	53126.2
-25°	54692.7	55122.8	55385.5	55473.9	55385.5	55122.8	54692.7	54106.0	53410.5	52697.3	51817.7
-27.5°	52997.4	53318.8	53514.6	53580.3	53514.6	53318.8	52997.4	52556.9	52004.0	50962.5	49775.1
-30°	51167.1	51631.7	51913.9	52008.6	51913.9	51631.7	51167.1	50528.3	49725.6	46505.5	42010.7
-32.5°	46358.8	48094.6	49146.9	49499.5	49146.9	48094.6	46358.8	43965.5	40948.0	36402.9	30138.3
-35°	34862.1	37255.1	38703.7	39188.7	38703.7	37255.1	34862.1	31555.1	27374.3	22523.3	17472.8
-37.5°	20150.0	22061.6	23217.4	23604.1	23217.4	22061.6	20150.0	17503.4	14149.9	10122.9	8127.5
-40°	8689.2	9408.9	9843.5	9988.9	9843.5	9408.9	8689.2	7691.4	6424.7	4900.1	3777.9
-42.5°	3812.7	4134.3	4328.3	4393.2	4328.3	4134.3	3812.7	3366.3	2798.6	2114.2	1564.8
-45°	1511.1	1597.2	1649.1	1666.4	1649.1	1597.2	1511.1	1391.6	1239.3	1055.5	871.8
-47.5°	874.5	872.6	871.5	871.1	871.5	872.6	874.5	877.1	880.4	884.4	889.1
-50°	877.6	884.5	888.6	890.0	888.6	884.5	877.6	868.0	855.8	841.0	823.7
-52.5°	785.9	801.6	811.1	814.3	811.1	801.6	785.9	763.9	735.9	701.9	662.2
-55°	595.1	611.6	621.6	624.9	621.6	611.6	595.1	572.0	542.5	506.8	464.9
-57.5°	388.2	398.7	405.0	407.1	405.0	398.7	388.2	373.6	354.9	332.2	305.7
-60°	247.0	251.8	254.6	255.6	254.6	251.8	247.0	240.4	231.9	221.7	209.6
-62.5°	177.0	178.6	179.6	179.9	179.6	178.6	177.0	174.8	171.9	168.4	164.3
-65°	147.2	149.6	151.0	151.5	151.0	149.6	147.2	143.8	139.5	134.3	128.2
-67.5°	101.8	103.1	103.8	104.1	103.8	103.1	101.8	100.0	97.7	94.9	91.7
-70°	75.0	75.4	75.6	75.7	75.6	75.4	75.0	74.5	73.8	73.0	72.1
-72.5°	65.1	65.8	66.2	66.3	66.2	65.8	65.1	64.2	63.0	61.6	60.0
-75°	46.8	47.1	47.2	47.3	47.2	47.1	46.8	46.4	45.9	45.3	44.6
-77.5°	37.5	37.7	37.9	37.9	37.9	37.7	37.5	37.2	36.8	36.3	35.7
-80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
-82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.2	17.9	17.6
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-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: P1306505 (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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.0	12.3	11.5	10.6
80°	26.1	25.5	24.8	24.1	23.3	22.4	21.5	20.5	19.4	18.4	17.2
77.5°	35.0	34.2	33.4	32.5	31.5	30.4	29.2	28.0	26.7	25.3	23.9
75°	43.8	42.9	41.9	40.8	39.6	38.3	36.9	35.4	33.9	32.2	30.5
72.5°	58.0	55.9	53.5	50.9	48.0	46.1	44.5	42.8	41.0	39.1	37.1
70°	71.0	69.8	68.4	66.9	64.2	60.7	57.0	53.0	48.7	45.8	43.5
67.5°	87.9	83.7	79.0	75.1	73.3	71.3	69.2	67.0	62.9	57.9	52.6
65°	121.1	113.2	104.5	98.6	92.4	85.7	78.6	74.2	71.5	68.8	65.4
62.5°	159.6	154.4	146.6	135.9	124.4	112.1	101.0	92.6	83.8	75.3	72.2
60°	195.8	180.3	173.6	166.6	159.0	150.4	135.9	120.6	104.5	94.2	83.7
57.5°	275.3	248.4	229.6	209.1	186.9	173.6	164.1	154.1	138.3	120.0	102.2
55°	417.1	376.8	335.7	290.9	249.1	223.2	195.8	175.0	163.6	151.7	131.2
52.5°	615.6	557.2	493.0	423.0	365.7	309.7	252.9	221.7	188.9	170.5	157.1
50°	788.4	733.3	672.7	604.1	522.6	435.7	363.0	295.7	240.4	203.8	174.6
47.5°	872.1	848.2	822.0	762.5	686.2	601.8	503.0	401.7	326.3	251.8	211.3
45°	877.6	884.0	885.6	855.0	822.2	746.9	654.9	548.6	433.0	341.8	255.6
42.5°	1301.6	1009.2	875.4	883.6	880.3	843.0	788.0	685.3	571.5	444.3	341.8
40°	2802.7	1721.8	1338.5	967.7	878.2	888.1	855.7	808.7	695.5	571.5	433.0
37.5°	5966.2	3995.5	2728.6	1579.1	1156.8	874.9	886.0	859.9	808.7	685.3	548.6
35°	11794.5	8159.6	5370.4	3413.6	1870.0	1252.4	873.8	886.0	855.7	788.0	654.9
32.5°	23181.8	16451.6	9655.8	6465.5	3760.4	2038.9	1252.4	874.9	888.1	843.0	746.9
30°	35876.4	27593.5	19302.2	11024.7	6833.8	3760.4	1870.0	1156.8	878.2	880.3	822.2
27.5°	45217.6	39328.5	29866.7	20262.2	11024.7	6465.5	3413.6	1579.1	967.7	883.6	855.0
25°	50394.4	46852.1	40114.9	29866.7	19302.2	9655.8	5370.4	2728.6	1338.5	875.4	885.6
22.5°	52163.2	50603.8	46852.1	39328.5	27593.5	16451.6	8159.6	3995.5	1721.8	1009.2	884.0
20°	53271.7	52163.2	50394.4	45217.6	35876.4	23181.8	11794.5	5966.2	2802.7	1301.6	877.6
17.5°	54461.3	53126.2	51817.7	49775.1	42010.7	30138.3	17472.8	8127.5	3777.9	1564.8	871.8
15°	55717.4	54092.5	52697.3	50962.5	46505.5	36402.9	22523.3	10122.9	4900.1	2114.2	1055.5
12.5°	57507.0	55034.2	53410.5	52004.0	49725.6	40948.0	27374.3	14149.9	6424.7	2798.6	1239.3
10°	59391.9	56107.8	54106.0	52556.9	50528.3	43965.5	31555.1	17503.4	7691.4	3366.3	1391.6
7.5°	62064.6	57235.9	54692.7	52997.4	51167.1	46358.8	34862.1	20150.0	8689.2	3812.7	1511.1
5°	64050.3	58067.6	55122.8	53318.8	51631.7	48094.6	37255.1	22061.6	9408.9	4134.3	1597.2
2.5°	65275.6	58577.9	55385.5	53514.6	51913.9	49146.9	38703.7	23217.4	9843.5	4328.3	1649.1
0°	65690.1	58749.9	55473.9	53580.3	52008.6	49499.5	39188.7	23604.1	9988.9	4393.2	1666.4
-2.5°	65275.6	58577.9	55385.5	53514.6	51913.9	49146.9	38703.7	23217.4	9843.5	4328.3	1649.1
-5°	64050.3	58067.6	55122.8	53318.8	51631.7	48094.6	37255.1	22061.6	9408.9	4134.3	1597.2
-7.5°	62064.6	57235.9	54692.7	52997.4	51167.1	46358.8	34862.1	20150.0	8689.2	3812.7	1511.1
-10°	59391.9	56107.8	54106.0	52556.9	50528.3	43965.5	31555.1	17503.4	7691.4	3366.3	1391.6
-12.5°	57507.0	55034.2	53410.5	52004.0	49725.6	40948.0	27374.3	14149.9	6424.7	2798.6	1239.3
-15°	55717.4	54092.5	52697.3	50962.5	46505.5	36402.9	22523.3	10122.9	4900.1	2114.2	1055.5
-17.5°	54461.3	53126.2	51817.7	49775.1	42010.7	30138.3	17472.8	8127.5	3777.9	1564.8	871.8
-20°	53271.7	52163.2	50394.4	45217.6	35876.4	23181.8	11794.5	5966.2	2802.7	1301.6	877.6



REPORT NUMBER: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	52163.2	50603.8	46852.1	39328.5	27593.5	16451.6	8159.6	3995.5	1721.8	1009.2	884.0
-25°	50394.4	46852.1	40114.9	29866.7	19302.2	9655.8	5370.4	2728.6	1338.5	875.4	885.6
-27.5°	45217.6	39328.5	29866.7	20262.2	11024.7	6465.5	3413.6	1579.1	967.7	883.6	855.0
-30°	35876.4	27593.5	19302.2	11024.7	6833.8	3760.4	1870.0	1156.8	878.2	880.3	822.2
-32.5°	23181.8	16451.6	9655.8	6465.5	3760.4	2038.9	1252.4	874.9	888.1	843.0	746.9
-35°	11794.5	8159.6	5370.4	3413.6	1870.0	1252.4	873.8	886.0	855.7	788.0	654.9
-37.5°	5966.2	3995.5	2728.6	1579.1	1156.8	874.9	886.0	859.9	808.7	685.3	548.6
-40°	2802.7	1721.8	1338.5	967.7	878.2	888.1	855.7	808.7	695.5	571.5	433.0
-42.5°	1301.6	1009.2	875.4	883.6	880.3	843.0	788.0	685.3	571.5	444.3	341.8
-45°	877.6	884.0	885.6	855.0	822.2	746.9	654.9	548.6	433.0	341.8	255.6
-47.5°	872.1	848.2	822.0	762.5	686.2	601.8	503.0	401.7	326.3	251.8	211.3
-50°	788.4	733.3	672.7	604.1	522.6	435.7	363.0	295.7	240.4	203.8	174.6
-52.5°	615.6	557.2	493.0	423.0	365.7	309.7	252.9	221.7	188.9	170.5	157.1
-55°	417.1	376.8	335.7	290.9	249.1	223.2	195.8	175.0	163.6	151.7	131.2
-57.5°	275.3	248.4	229.6	209.1	186.9	173.6	164.1	154.1	138.3	120.0	102.2
-60°	195.8	180.3	173.6	166.6	159.0	150.4	135.9	120.6	104.5	94.2	83.7
-62.5°	159.6	154.4	146.6	135.9	124.4	112.1	101.0	92.6	83.8	75.3	72.2
-65°	121.1	113.2	104.5	98.6	92.4	85.7	78.6	74.2	71.5	68.8	65.4
-67.5°	87.9	83.7	79.0	75.1	73.3	71.3	69.2	67.0	62.9	57.9	52.6
-70°	71.0	69.8	68.4	66.9	64.2	60.7	57.0	53.0	48.7	45.8	43.5
-72.5°	58.0	55.9	53.5	50.9	48.0	46.1	44.5	42.8	41.0	39.1	37.1
-75°	43.8	42.9	41.9	40.8	39.6	38.3	36.9	35.4	33.9	32.2	30.5
-77.5°	35.0	34.2	33.4	32.5	31.5	30.4	29.2	28.0	26.7	25.3	23.9
-80°	26.1	25.5	24.8	24.1	23.3	22.4	21.5	20.5	19.4	18.4	17.2
-82.5°	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.0	12.3	11.5	10.6
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-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: P1306505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3R-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°	9.5	9.5	9.5	9.5	9.5	9.5	8.8	8.0	7.3	6.5	5.7
82.5°	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5
80°	16.0	14.8	13.5	12.2	10.8	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	22.4	20.8	19.2	17.5	15.8	14.1	12.3	10.4	9.5	9.5	9.5
75°	28.7	26.8	24.8	22.8	20.8	18.7	16.5	14.3	12.1	9.8	9.5
72.5°	34.9	32.8	30.5	28.1	25.7	23.3	20.7	18.2	15.5	12.9	10.2
70°	41.1	38.7	36.1	33.4	30.6	27.8	24.9	22.0	19.0	16.0	12.9
67.5°	47.2	44.4	41.6	38.6	35.5	32.3	29.1	25.8	22.4	19.0	15.5
65°	59.4	53.1	47.0	43.6	40.2	36.8	33.2	29.5	25.8	22.0	18.2
62.5°	68.8	64.5	57.4	50.0	44.9	41.1	37.2	33.2	29.1	24.9	20.7
60°	74.7	71.0	67.1	60.0	51.7	45.3	41.1	36.8	32.3	27.8	23.3
57.5°	90.3	78.0	72.3	68.0	60.8	51.7	44.9	40.2	35.5	30.6	25.7
55°	109.8	94.3	80.7	72.7	68.0	60.0	50.0	43.6	38.6	33.4	28.1
52.5°	137.9	114.3	95.6	80.7	72.3	67.1	57.4	47.0	41.6	36.1	30.5
50°	159.9	140.2	114.3	94.3	78.0	71.0	64.5	53.1	44.4	38.7	32.8
47.5°	176.0	159.9	137.9	109.8	90.3	74.7	68.8	59.4	47.2	41.1	34.9
45°	211.3	174.6	157.1	131.2	102.2	83.7	72.2	65.4	52.6	43.5	37.1
42.5°	251.8	203.8	170.5	151.7	120.0	94.2	75.3	68.8	57.9	45.8	39.1
40°	326.3	240.4	188.9	163.6	138.3	104.5	83.8	71.5	62.9	48.7	41.0
37.5°	401.7	295.7	221.7	175.0	154.1	120.6	92.6	74.2	67.0	53.0	42.8
35°	503.0	363.0	252.9	195.8	164.1	135.9	101.0	78.6	69.2	57.0	44.5
32.5°	601.8	435.7	309.7	223.2	173.6	150.4	112.1	85.7	71.3	60.7	46.1
30°	686.2	522.6	365.7	249.1	186.9	159.0	124.4	92.4	73.3	64.2	48.0
27.5°	762.5	604.1	423.0	290.9	209.1	166.6	135.9	98.6	75.1	66.9	50.9
25°	822.0	672.7	493.0	335.7	229.6	173.6	146.6	104.5	79.0	68.4	53.5
22.5°	848.2	733.3	557.2	376.8	248.4	180.3	154.4	113.2	83.7	69.8	55.9
20°	872.1	788.4	615.6	417.1	275.3	195.8	159.6	121.1	87.9	71.0	58.0
17.5°	889.1	823.7	662.2	464.9	305.7	209.6	164.3	128.2	91.7	72.1	60.0
15°	884.4	841.0	701.9	506.8	332.2	221.7	168.4	134.3	94.9	73.0	61.6
12.5°	880.4	855.8	735.9	542.5	354.9	231.9	171.9	139.5	97.7	73.8	63.0
10°	877.1	868.0	763.9	572.0	373.6	240.4	174.8	143.8	100.0	74.5	64.2
7.5°	874.5	877.6	785.9	595.1	388.2	247.0	177.0	147.2	101.8	75.0	65.1
5°	872.6	884.5	801.6	611.6	398.7	251.8	178.6	149.6	103.1	75.4	65.8
2.5°	871.5	888.6	811.1	621.6	405.0	254.6	179.6	151.0	103.8	75.6	66.2
0°	871.1	890.0	814.3	624.9	407.1	255.6	179.9	151.5	104.1	75.7	66.3
-2.5°	871.5	888.6	811.1	621.6	405.0	254.6	179.6	151.0	103.8	75.6	66.2
-5°	872.6	884.5	801.6	611.6	398.7	251.8	178.6	149.6	103.1	75.4	65.8
-7.5°	874.5	877.6	785.9	595.1	388.2	247.0	177.0	147.2	101.8	75.0	65.1
-10°	877.1	868.0	763.9	572.0	373.6	240.4	174.8	143.8	100.0	74.5	64.2
-12.5°	880.4	855.8	735.9	542.5	354.9	231.9	171.9	139.5	97.7	73.8	63.0
-15°	884.4	841.0	701.9	506.8	332.2	221.7	168.4	134.3	94.9	73.0	61.6
-17.5°	889.1	823.7	662.2	464.9	305.7	209.6	164.3	128.2	91.7	72.1	60.0
-20°	872.1	788.4	615.6	417.1	275.3	195.8	159.6	121.1	87.9	71.0	58.0



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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°	848.2	733.3	557.2	376.8	248.4	180.3	154.4	113.2	83.7	69.8	55.9
-25°	822.0	672.7	493.0	335.7	229.6	173.6	146.6	104.5	79.0	68.4	53.5
-27.5°	762.5	604.1	423.0	290.9	209.1	166.6	135.9	98.6	75.1	66.9	50.9
-30°	686.2	522.6	365.7	249.1	186.9	159.0	124.4	92.4	73.3	64.2	48.0
-32.5°	601.8	435.7	309.7	223.2	173.6	150.4	112.1	85.7	71.3	60.7	46.1
-35°	503.0	363.0	252.9	195.8	164.1	135.9	101.0	78.6	69.2	57.0	44.5
-37.5°	401.7	295.7	221.7	175.0	154.1	120.6	92.6	74.2	67.0	53.0	42.8
-40°	326.3	240.4	188.9	163.6	138.3	104.5	83.8	71.5	62.9	48.7	41.0
-42.5°	251.8	203.8	170.5	151.7	120.0	94.2	75.3	68.8	57.9	45.8	39.1
-45°	211.3	174.6	157.1	131.2	102.2	83.7	72.2	65.4	52.6	43.5	37.1
-47.5°	176.0	159.9	137.9	109.8	90.3	74.7	68.8	59.4	47.2	41.1	34.9
-50°	159.9	140.2	114.3	94.3	78.0	71.0	64.5	53.1	44.4	38.7	32.8
-52.5°	137.9	114.3	95.6	80.7	72.3	67.1	57.4	47.0	41.6	36.1	30.5
-55°	109.8	94.3	80.7	72.7	68.0	60.0	50.0	43.6	38.6	33.4	28.1
-57.5°	90.3	78.0	72.3	68.0	60.8	51.7	44.9	40.2	35.5	30.6	25.7
-60°	74.7	71.0	67.1	60.0	51.7	45.3	41.1	36.8	32.3	27.8	23.3
-62.5°	68.8	64.5	57.4	50.0	44.9	41.1	37.2	33.2	29.1	24.9	20.7
-65°	59.4	53.1	47.0	43.6	40.2	36.8	33.2	29.5	25.8	22.0	18.2
-67.5°	47.2	44.4	41.6	38.6	35.5	32.3	29.1	25.8	22.4	19.0	15.5
-70°	41.1	38.7	36.1	33.4	30.6	27.8	24.9	22.0	19.0	16.0	12.9
-72.5°	34.9	32.8	30.5	28.1	25.7	23.3	20.7	18.2	15.5	12.9	10.2
-75°	28.7	26.8	24.8	22.8	20.8	18.7	16.5	14.3	12.1	9.8	9.5
-77.5°	22.4	20.8	19.2	17.5	15.8	14.1	12.3	10.4	9.5	9.5	9.5
-80°	16.0	14.8	13.5	12.2	10.8	9.5	9.5	9.5	9.5	9.5	9.5
-82.5°	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5
-85°	9.5	9.5	9.5	9.5	9.5	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°	9.5	8.2	6.6	4.9	3.3	1.6	0.0
77.5°	9.5	9.5	8.2	6.2	4.1	2.1	0.0
75°	9.5	9.5	9.5	7.4	4.9	2.5	0.0
72.5°	9.5	9.5	9.5	8.5	5.7	2.9	0.0
70°	9.8	9.5	9.5	9.5	6.5	3.2	0.0
67.5°	12.1	9.5	9.5	9.5	7.3	3.6	0.0
65°	14.3	10.4	9.5	9.5	8.0	4.0	0.0
62.5°	16.5	12.3	9.5	9.5	8.8	4.4	0.0
60°	18.7	14.1	9.5	9.5	9.5	4.7	0.0
57.5°	20.8	15.8	10.8	9.5	9.5	5.1	0.0
55°	22.8	17.5	12.2	9.5	9.5	5.4	0.0
52.5°	24.8	19.2	13.5	9.5	9.5	5.8	0.0
50°	26.8	20.8	14.8	9.5	9.5	6.1	0.0
47.5°	28.7	22.4	16.0	9.7	9.5	6.4	0.0
45°	30.5	23.9	17.2	10.6	9.5	6.7	0.0
42.5°	32.2	25.3	18.4	11.5	9.5	7.0	0.0
40°	33.9	26.7	19.4	12.3	9.5	7.3	0.0
37.5°	35.4	28.0	20.5	13.0	9.5	7.5	0.0
35°	36.9	29.2	21.5	13.8	9.5	7.8	0.0
32.5°	38.3	30.4	22.4	14.5	9.5	8.0	0.0
30°	39.6	31.5	23.3	15.1	9.5	8.2	0.0
27.5°	40.8	32.5	24.1	15.7	9.5	8.4	0.0
25°	41.9	33.4	24.8	16.2	9.5	8.6	0.0
22.5°	42.9	34.2	25.5	16.7	9.5	8.8	0.0
20°	43.8	35.0	26.1	17.2	9.5	8.9	0.0
17.5°	44.6	35.7	26.6	17.6	9.5	9.1	0.0
15°	45.3	36.3	27.1	17.9	9.5	9.2	0.0
12.5°	45.9	36.8	27.5	18.2	9.5	9.3	0.0
10°	46.4	37.2	27.8	18.5	9.5	9.4	0.0
7.5°	46.8	37.5	28.1	18.7	9.5	9.4	0.0
5°	47.1	37.7	28.3	18.8	9.5	9.5	0.0
2.5°	47.2	37.9	28.4	18.9	9.5	9.5	0.0
0°	47.3	37.9	28.4	18.9	9.5	9.5	0.0
-2.5°	47.2	37.9	28.4	18.9	9.5	9.5	0.0
-5°	47.1	37.7	28.3	18.8	9.5	9.5	0.0
-7.5°	46.8	37.5	28.1	18.7	9.5	9.4	0.0
-10°	46.4	37.2	27.8	18.5	9.5	9.4	0.0
-12.5°	45.9	36.8	27.5	18.2	9.5	9.3	0.0
-15°	45.3	36.3	27.1	17.9	9.5	9.2	0.0
-17.5°	44.6	35.7	26.6	17.6	9.5	9.1	0.0
-20°	43.8	35.0	26.1	17.2	9.5	8.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	42.9	34.2	25.5	16.7	9.5	8.8	0.0
-25°	41.9	33.4	24.8	16.2	9.5	8.6	0.0
-27.5°	40.8	32.5	24.1	15.7	9.5	8.4	0.0
-30°	39.6	31.5	23.3	15.1	9.5	8.2	0.0
-32.5°	38.3	30.4	22.4	14.5	9.5	8.0	0.0
-35°	36.9	29.2	21.5	13.8	9.5	7.8	0.0
-37.5°	35.4	28.0	20.5	13.0	9.5	7.5	0.0
-40°	33.9	26.7	19.4	12.3	9.5	7.3	0.0
-42.5°	32.2	25.3	18.4	11.5	9.5	7.0	0.0
-45°	30.5	23.9	17.2	10.6	9.5	6.7	0.0
-47.5°	28.7	22.4	16.0	9.7	9.5	6.4	0.0
-50°	26.8	20.8	14.8	9.5	9.5	6.1	0.0
-52.5°	24.8	19.2	13.5	9.5	9.5	5.8	0.0
-55°	22.8	17.5	12.2	9.5	9.5	5.4	0.0
-57.5°	20.8	15.8	10.8	9.5	9.5	5.1	0.0
-60°	18.7	14.1	9.5	9.5	9.5	4.7	0.0
-62.5°	16.5	12.3	9.5	9.5	8.8	4.4	0.0
-65°	14.3	10.4	9.5	9.5	8.0	4.0	0.0
-67.5°	12.1	9.5	9.5	9.5	7.3	3.6	0.0
-70°	9.8	9.5	9.5	9.5	6.5	3.2	0.0
-72.5°	9.5	9.5	9.5	8.5	5.7	2.9	0.0
-75°	9.5	9.5	9.5	7.4	4.9	2.5	0.0
-77.5°	9.5	9.5	8.2	6.2	4.1	2.1	0.0
-80°	9.5	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)