

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: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-80-4R-A**

Issue Date: 2/3/2026

**Test Information**

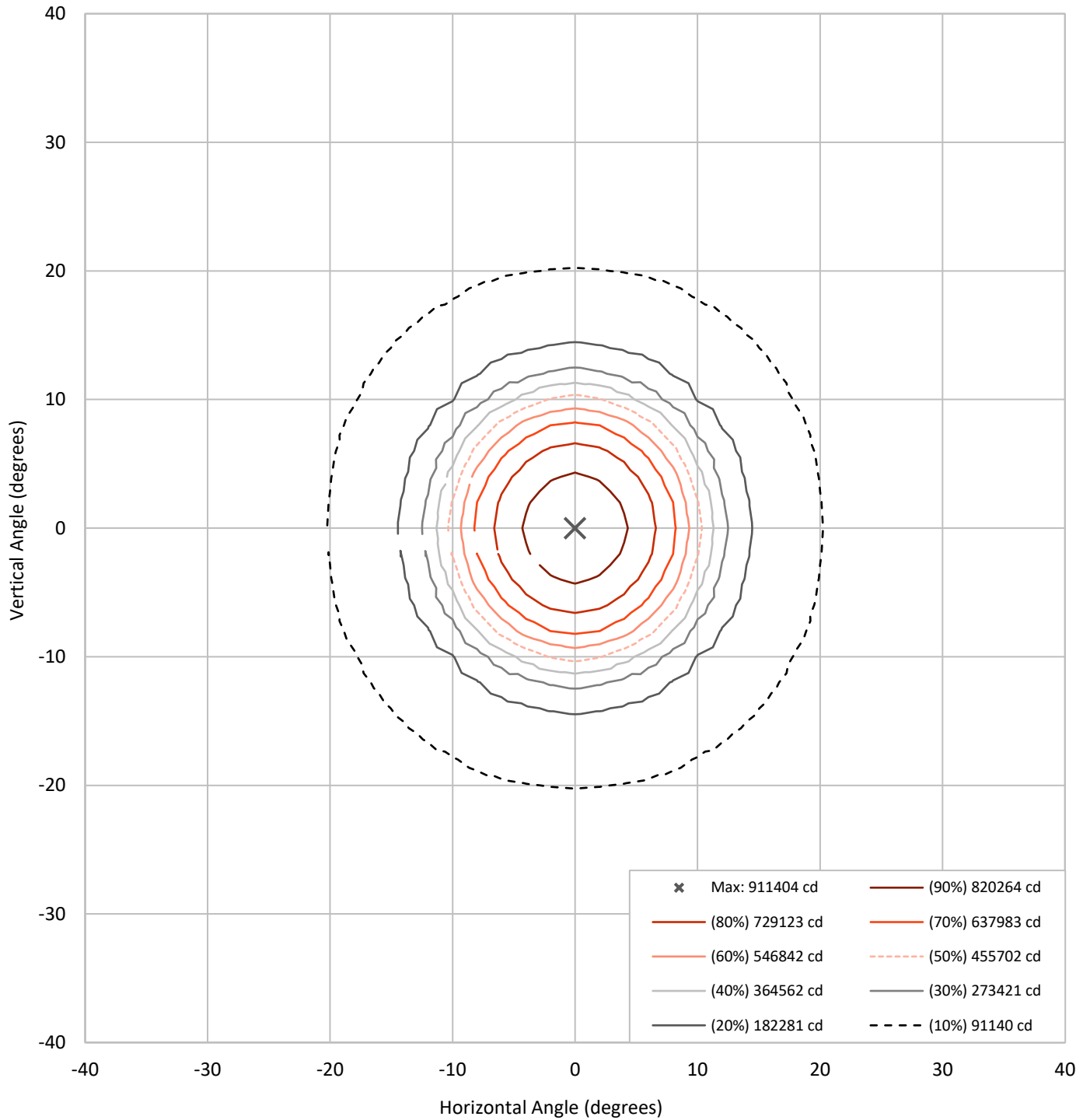
Test Method: LM-79-08  
Report Number: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS16-1200R-57-80-4R-A  
Description: EPHESUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 4R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	177350.4 lumens	Max Intensity:	911404 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	68084.7 lumens	Field Lumens:	120172.2 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1223		
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





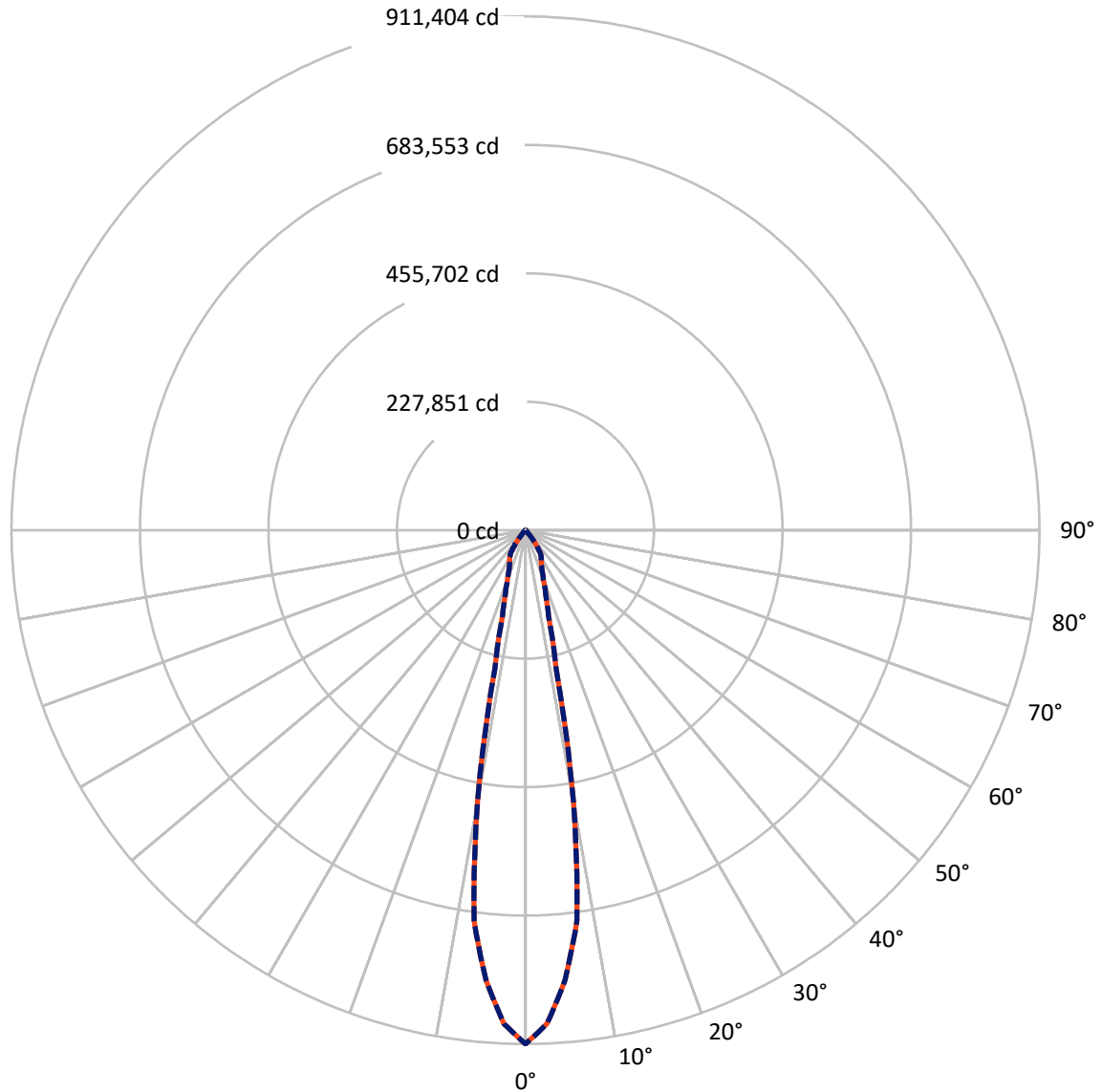
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### Lumen Table

90	0.2	1.3		3.0		4.7		5.4		4.7		3.0		1.3		0.2
80	0.2	1.3		3.0		4.7		5.4		4.7		3.0		1.3		0.2
70	0.6	0.5	1.1	1.8	2.8	4.0	5.1	5.8	5.8	5.1	4.0	2.8	1.8	1.1	0.5	0.6
60		0.8	1.7	3.6	7.0	11.7	16.1	18.5	18.5	16.1	11.7	7.0	3.6	1.7	0.8	
50	0.9	1.1	2.9	7.7	16.1	29.6	67.9	113.7	113.7	67.9	29.6	16.1	7.7	2.9	1.1	0.9
40		1.5	4.9	14.0	43.3	257.0	727.8	1064.4	1064.4	727.8	257.0	43.3	14.0	4.9	1.5	
30	1.2	1.9	7.6	23.4	234.7	1036.2	1683.5	2035.3	2035.3	1683.5	1036.2	234.7	23.4	7.6	1.9	1.2
20		2.3	9.7	51.1	625.6	1582.0	2642.0	5082.8	5082.8	2642.0	1582.0	625.6	51.1	9.7	2.3	
10	1.3	2.5	10.8	83.5	885.8	1856.8	4949.2	19083.5	19083.5	4949.2	1856.8	885.8	83.5	10.8	2.5	1.3
0		2.5	10.8	83.5	885.8	1856.8	4949.2	19083.5	19083.5	4949.2	1856.8	885.8	83.5	10.8	2.5	
-10	1.2	2.3	9.7	51.1	625.6	1582.0	2642.0	5082.8	5082.8	2642.0	1582.0	625.6	51.1	9.7	2.3	1.2
-20		1.9	7.6	23.4	234.7	1036.2	1683.5	2035.3	2035.3	1683.5	1036.2	234.7	23.4	7.6	1.9	
-30	0.9	1.5	4.9	14.0	43.3	257.0	727.8	1064.4	1064.4	727.8	257.0	43.3	14.0	4.9	1.5	0.9
-40		1.1	2.9	7.7	16.1	29.6	67.9	113.7	113.7	67.9	29.6	16.1	7.7	2.9	1.1	
-50	0.6	0.8	1.7	3.6	7.0	11.7	16.1	18.5	18.5	16.1	11.7	7.0	3.6	1.7	0.8	0.6
-60		0.5	1.1	1.8	2.8	4.0	5.1	5.8	5.8	5.1	4.0	2.8	1.8	1.1	0.5	
-70	0.2	1.3		3.0		4.7		5.4		4.7		3.0		1.3		0.2
-80		1.3		3.0		4.7		5.4		4.7		3.0		1.3		
-90	0.2	1.3		3.0		4.7		5.4		4.7		3.0		1.3		0.2

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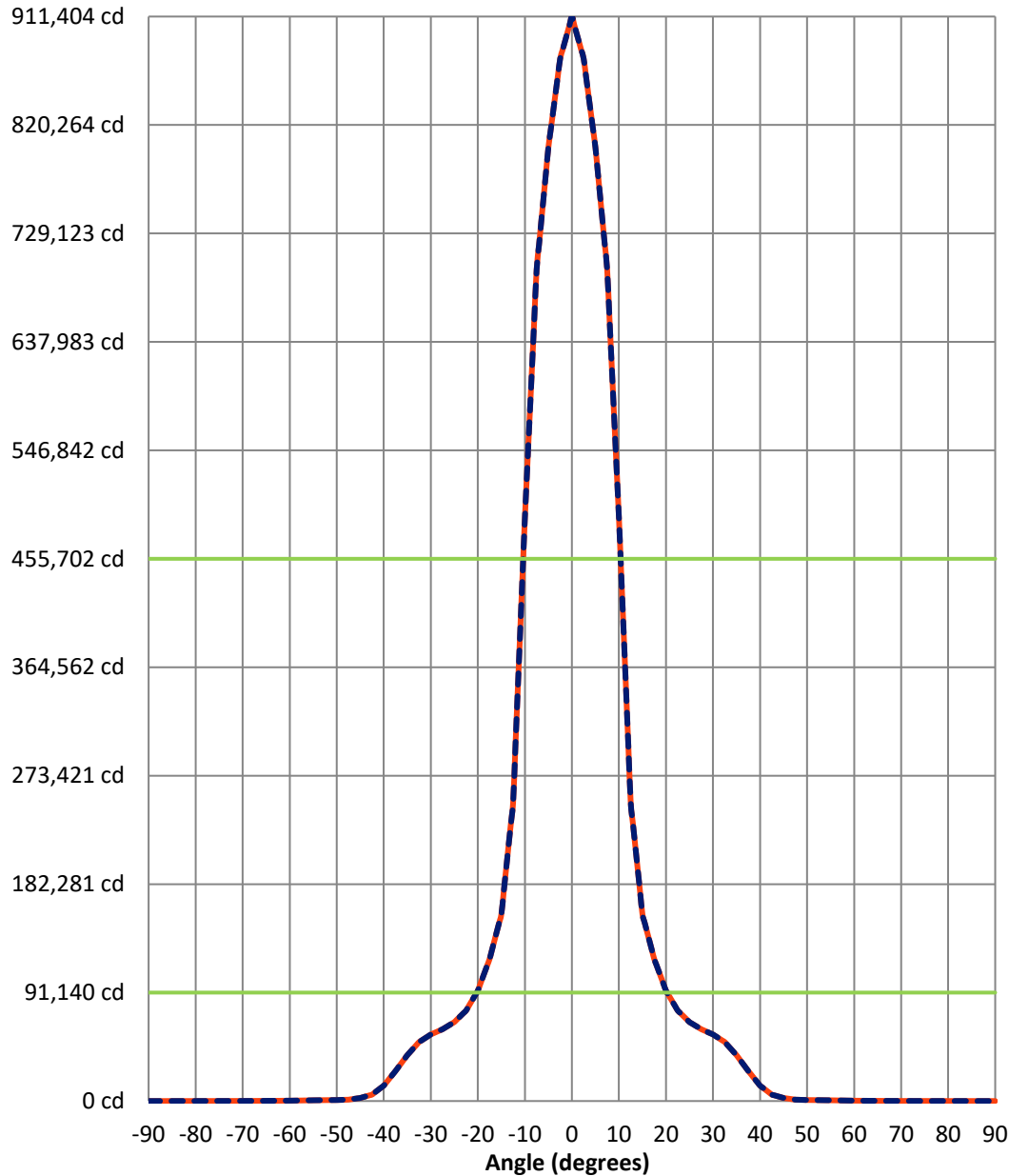
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 20.7°  
 V Angle: 20.7°  
 Lumens: 68084.7  
 Efficiency: 38.4%

**Field:**  
 H Angle: 40.5°  
 V Angle: 40.5°  
 Lumens: 120172.2  
 Efficiency: 67.8%

**Spill:**  
 Lumens: 57178.1  
 Efficiency: 32.2%

- 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	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.2	15.9	16.7
80°	0.0	2.6	5.2	7.8	10.4	12.9	15.2	16.3	17.4	18.4	19.4
77.5°	0.0	3.2	6.5	9.7	12.9	15.5	16.8	18.2	19.5	20.9	22.3
75°	0.0	3.9	7.8	11.6	15.2	16.8	18.5	20.1	21.8	23.8	25.9
72.5°	0.0	4.5	9.0	13.5	16.3	18.2	20.1	22.1	24.6	27.0	29.3
70°	0.0	5.1	10.2	15.2	17.4	19.5	21.8	24.6	27.3	30.1	33.3
67.5°	0.0	5.7	11.5	15.9	18.4	20.9	23.8	27.0	30.1	33.8	37.4
65°	0.0	6.3	12.7	16.7	19.4	22.3	25.9	29.3	33.3	37.4	41.6
62.5°	0.0	6.9	13.8	17.5	20.5	24.0	27.8	32.0	36.5	41.1	45.9
60°	0.0	7.5	15.0	18.2	21.5	25.6	29.8	34.7	39.7	44.9	50.2
57.5°	0.0	8.1	15.5	19.0	22.7	27.2	32.0	37.4	42.9	48.7	55.0
55°	0.0	8.6	16.0	19.7	23.9	28.7	34.3	40.0	46.2	52.5	60.1
52.5°	0.0	9.1	16.4	20.3	25.1	30.3	36.4	42.8	49.3	56.9	65.0
50°	0.0	9.6	16.9	21.0	26.3	32.0	38.6	45.4	52.6	61.2	70.7
47.5°	0.0	10.1	17.3	21.7	27.4	33.7	40.6	48.0	56.3	65.4	76.2
45°	0.0	10.6	17.7	22.5	28.5	35.4	42.7	50.5	59.9	70.2	81.6
42.5°	0.0	11.1	18.1	23.3	29.5	36.9	44.8	53.2	63.3	74.9	87.8
40°	0.0	11.5	18.5	24.0	30.6	38.4	46.7	56.1	66.8	79.3	93.8
37.5°	0.0	11.9	18.8	24.7	31.7	39.8	48.6	58.8	70.5	83.8	99.6
35°	0.0	12.3	19.1	25.4	32.8	41.3	50.3	61.4	74.1	88.7	105.5
32.5°	0.0	12.6	19.5	26.0	33.8	42.6	52.1	63.8	77.4	93.4	111.6
30°	0.0	13.0	19.8	26.6	34.7	43.9	54.0	66.1	80.6	97.7	117.3
27.5°	0.0	13.3	20.0	27.1	35.6	45.1	55.8	68.7	83.7	101.7	122.7
25°	0.0	13.6	20.3	27.6	36.4	46.2	57.5	71.0	87.0	105.9	127.9
22.5°	0.0	13.9	20.5	28.0	37.1	47.2	59.0	73.1	90.0	109.9	139.3
20°	0.0	14.1	20.7	28.5	37.8	48.1	60.3	75.1	92.7	113.5	149.6
17.5°	0.0	14.3	20.9	28.8	38.4	48.9	61.5	76.8	95.1	116.7	158.8
15°	0.0	14.5	21.1	29.1	38.9	49.6	62.6	78.2	97.2	119.5	166.8
12.5°	0.0	14.6	21.2	29.4	39.3	50.2	63.5	79.5	98.9	121.9	173.6
10°	0.0	14.8	21.3	29.6	39.7	50.6	64.2	80.5	100.4	123.9	179.2
7.5°	0.0	14.9	21.4	29.8	39.9	51.0	64.8	81.4	101.5	125.4	183.6
5°	0.0	14.9	21.5	29.9	40.1	51.3	65.2	81.9	102.3	126.5	186.7
2.5°	0.0	15.0	21.5	30.0	40.3	51.4	65.4	82.3	102.8	127.2	188.6
0°	0.0	15.0	21.5	30.0	40.3	51.5	65.5	82.4	103.0	127.4	189.2
-2.5°	0.0	15.0	21.5	30.0	40.3	51.4	65.4	82.3	102.8	127.2	188.6
-5°	0.0	14.9	21.5	29.9	40.1	51.3	65.2	81.9	102.3	126.5	186.7
-7.5°	0.0	14.9	21.4	29.8	39.9	51.0	64.8	81.4	101.5	125.4	183.6
-10°	0.0	14.8	21.3	29.6	39.7	50.6	64.2	80.5	100.4	123.9	179.2
-12.5°	0.0	14.6	21.2	29.4	39.3	50.2	63.5	79.5	98.9	121.9	173.6
-15°	0.0	14.5	21.1	29.1	38.9	49.6	62.6	78.2	97.2	119.5	166.8
-17.5°	0.0	14.3	20.9	28.8	38.4	48.9	61.5	76.8	95.1	116.7	158.8
-20°	0.0	14.1	20.7	28.5	37.8	48.1	60.3	75.1	92.7	113.5	149.6



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.9	20.5	28.0	37.1	47.2	59.0	73.1	90.0	109.9	139.3
-25°	0.0	13.6	20.3	27.6	36.4	46.2	57.5	71.0	87.0	105.9	127.9
-27.5°	0.0	13.3	20.0	27.1	35.6	45.1	55.8	68.7	83.7	101.7	122.7
-30°	0.0	13.0	19.8	26.6	34.7	43.9	54.0	66.1	80.6	97.7	117.3
-32.5°	0.0	12.6	19.5	26.0	33.8	42.6	52.1	63.8	77.4	93.4	111.6
-35°	0.0	12.3	19.1	25.4	32.8	41.3	50.3	61.4	74.1	88.7	105.5
-37.5°	0.0	11.9	18.8	24.7	31.7	39.8	48.6	58.8	70.5	83.8	99.6
-40°	0.0	11.5	18.5	24.0	30.6	38.4	46.7	56.1	66.8	79.3	93.8
-42.5°	0.0	11.1	18.1	23.3	29.5	36.9	44.8	53.2	63.3	74.9	87.8
-45°	0.0	10.6	17.7	22.5	28.5	35.4	42.7	50.5	59.9	70.2	81.6
-47.5°	0.0	10.1	17.3	21.7	27.4	33.7	40.6	48.0	56.3	65.4	76.2
-50°	0.0	9.6	16.9	21.0	26.3	32.0	38.6	45.4	52.6	61.2	70.7
-52.5°	0.0	9.1	16.4	20.3	25.1	30.3	36.4	42.8	49.3	56.9	65.0
-55°	0.0	8.6	16.0	19.7	23.9	28.7	34.3	40.0	46.2	52.5	60.1
-57.5°	0.0	8.1	15.5	19.0	22.7	27.2	32.0	37.4	42.9	48.7	55.0
-60°	0.0	7.5	15.0	18.2	21.5	25.6	29.8	34.7	39.7	44.9	50.2
-62.5°	0.0	6.9	13.8	17.5	20.5	24.0	27.8	32.0	36.5	41.1	45.9
-65°	0.0	6.3	12.7	16.7	19.4	22.3	25.9	29.3	33.3	37.4	41.6
-67.5°	0.0	5.7	11.5	15.9	18.4	20.9	23.8	27.0	30.1	33.8	37.4
-70°	0.0	5.1	10.2	15.2	17.4	19.5	21.8	24.6	27.3	30.1	33.3
-72.5°	0.0	4.5	9.0	13.5	16.3	18.2	20.1	22.1	24.6	27.0	29.3
-75°	0.0	3.9	7.8	11.6	15.2	16.8	18.5	20.1	21.8	23.8	25.9
-77.5°	0.0	3.2	6.5	9.7	12.9	15.5	16.8	18.2	19.5	20.9	22.3
-80°	0.0	2.6	5.2	7.8	10.4	12.9	15.2	16.3	17.4	18.4	19.4
-82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.2	15.9	16.7
-85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
-87.5°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
-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°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
85°	13.8	15.0	15.5	16.0	16.4	16.9	17.3	17.7	18.1	18.5	18.8
82.5°	17.5	18.2	19.0	19.7	20.3	21.0	21.7	22.5	23.3	24.0	24.7
80°	20.5	21.5	22.7	23.9	25.1	26.3	27.4	28.5	29.5	30.6	31.7
77.5°	24.0	25.6	27.2	28.7	30.3	32.0	33.7	35.4	36.9	38.4	39.8
75°	27.8	29.8	32.0	34.3	36.4	38.6	40.6	42.7	44.8	46.7	48.6
72.5°	32.0	34.7	37.4	40.0	42.8	45.4	48.0	50.5	53.2	56.1	58.8
70°	36.5	39.7	42.9	46.2	49.3	52.6	56.3	59.9	63.3	66.8	70.5
67.5°	41.1	44.9	48.7	52.5	56.9	61.2	65.4	70.2	74.9	79.3	83.8
65°	45.9	50.2	55.0	60.1	65.0	70.7	76.2	81.6	87.8	93.8	99.6
62.5°	50.7	56.3	61.9	67.9	74.5	80.8	88.0	95.2	102.2	110.0	117.5
60°	56.3	62.6	69.4	76.8	84.2	92.7	100.9	109.9	118.9	127.9	148.9
57.5°	61.9	69.4	77.5	86.1	95.5	105.0	115.5	125.7	148.1	172.0	194.0
55°	67.9	76.8	86.1	96.5	107.3	119.0	134.8	162.7	189.5	211.1	231.8
52.5°	74.5	84.2	95.5	107.3	120.1	140.6	171.5	199.4	223.6	251.0	288.7
50°	80.8	92.7	105.0	119.0	140.6	174.5	204.4	231.1	268.1	310.3	368.6
47.5°	88.0	100.9	115.5	134.8	171.5	204.4	233.6	276.8	323.3	399.9	476.8
45°	95.2	109.9	125.7	162.7	199.4	231.1	276.8	327.7	415.6	501.7	588.1
42.5°	102.2	118.9	148.1	189.5	223.6	268.1	323.3	415.6	510.2	605.3	683.4
40°	110.0	127.9	172.0	211.1	251.0	310.3	399.9	501.7	605.3	689.9	761.6
37.5°	117.5	148.9	194.0	231.8	288.7	368.6	476.8	588.1	683.4	761.6	819.8
35°	124.7	168.9	212.1	258.9	324.6	437.3	554.1	664.2	748.4	814.7	926.3
32.5°	137.8	187.8	229.3	290.5	382.9	503.7	628.0	722.4	799.6	888.5	1120.1
30°	153.9	202.8	248.7	320.2	440.0	568.7	684.0	774.6	844.3	1062.3	1698.5
27.5°	168.9	216.6	274.2	363.7	494.2	629.6	732.3	813.9	967.2	1359.7	2455.3
25°	182.7	229.3	297.8	409.4	546.5	675.5	774.4	850.7	1110.9	2024.1	3698.3
22.5°	194.4	241.1	319.4	451.4	594.6	713.8	805.8	960.3	1433.9	2668.3	4994.4
20°	203.9	258.9	347.8	489.8	638.2	748.7	834.4	1072.9	1958.0	3774.2	7528.0
17.5°	212.4	274.8	378.8	525.5	668.8	776.3	871.1	1174.1	2429.6	4771.8	10450.1
15°	219.9	288.7	405.9	556.8	694.0	797.1	953.2	1516.9	3069.8	6086.7	13087.8
12.5°	226.2	300.5	429.0	583.6	715.5	814.8	1023.5	1846.3	3770.0	8147.8	16727.5
10°	231.4	310.3	448.1	605.6	733.2	829.5	1081.7	2119.2	4350.7	9860.5	19758.4
7.5°	235.4	317.9	463.0	622.9	747.1	841.0	1127.3	2333.4	4807.4	11209.5	22150.4
5°	238.4	323.3	473.7	635.3	757.1	849.3	1160.1	2487.6	5136.4	12182.5	23878.2
2.5°	240.1	326.6	480.2	642.7	763.1	854.2	1179.9	2580.6	5334.9	12770.2	24922.8
0°	240.7	327.7	482.3	645.2	765.1	855.9	1186.5	2611.7	5401.3	12966.7	25272.3
-2.5°	240.1	326.6	480.2	642.7	763.1	854.2	1179.9	2580.6	5334.9	12770.2	24922.8
-5°	238.4	323.3	473.7	635.3	757.1	849.3	1160.1	2487.6	5136.4	12182.5	23878.2
-7.5°	235.4	317.9	463.0	622.9	747.1	841.0	1127.3	2333.4	4807.4	11209.5	22150.4
-10°	231.4	310.3	448.1	605.6	733.2	829.5	1081.7	2119.2	4350.7	9860.5	19758.4
-12.5°	226.2	300.5	429.0	583.6	715.5	814.8	1023.5	1846.3	3770.0	8147.8	16727.5
-15°	219.9	288.7	405.9	556.8	694.0	797.1	953.2	1516.9	3069.8	6086.7	13087.8
-17.5°	212.4	274.8	378.8	525.5	668.8	776.3	871.1	1174.1	2429.6	4771.8	10450.1
-20°	203.9	258.9	347.8	489.8	638.2	748.7	834.4	1072.9	1958.0	3774.2	7528.0



REPORT NUMBER: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-4R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	194.4	241.1	319.4	451.4	594.6	713.8	805.8	960.3	1433.9	2668.3	4994.4
-25°	182.7	229.3	297.8	409.4	546.5	675.5	774.4	850.7	1110.9	2024.1	3698.3
-27.5°	168.9	216.6	274.2	363.7	494.2	629.6	732.3	813.9	967.2	1359.7	2455.3
-30°	153.9	202.8	248.7	320.2	440.0	568.7	684.0	774.6	844.3	1062.3	1698.5
-32.5°	137.8	187.8	229.3	290.5	382.9	503.7	628.0	722.4	799.6	888.5	1120.1
-35°	124.7	168.9	212.1	258.9	324.6	437.3	554.1	664.2	748.4	814.7	926.3
-37.5°	117.5	148.9	194.0	231.8	288.7	368.6	476.8	588.1	683.4	761.6	819.8
-40°	110.0	127.9	172.0	211.1	251.0	310.3	399.9	501.7	605.3	689.9	761.6
-42.5°	102.2	118.9	148.1	189.5	223.6	268.1	323.3	415.6	510.2	605.3	683.4
-45°	95.2	109.9	125.7	162.7	199.4	231.1	276.8	327.7	415.6	501.7	588.1
-47.5°	88.0	100.9	115.5	134.8	171.5	204.4	233.6	276.8	323.3	399.9	476.8
-50°	80.8	92.7	105.0	119.0	140.6	174.5	204.4	231.1	268.1	310.3	368.6
-52.5°	74.5	84.2	95.5	107.3	120.1	140.6	171.5	199.4	223.6	251.0	288.7
-55°	67.9	76.8	86.1	96.5	107.3	119.0	134.8	162.7	189.5	211.1	231.8
-57.5°	61.9	69.4	77.5	86.1	95.5	105.0	115.5	125.7	148.1	172.0	194.0
-60°	56.3	62.6	69.4	76.8	84.2	92.7	100.9	109.9	118.9	127.9	148.9
-62.5°	50.7	56.3	61.9	67.9	74.5	80.8	88.0	95.2	102.2	110.0	117.5
-65°	45.9	50.2	55.0	60.1	65.0	70.7	76.2	81.6	87.8	93.8	99.6
-67.5°	41.1	44.9	48.7	52.5	56.9	61.2	65.4	70.2	74.9	79.3	83.8
-70°	36.5	39.7	42.9	46.2	49.3	52.6	56.3	59.9	63.3	66.8	70.5
-72.5°	32.0	34.7	37.4	40.0	42.8	45.4	48.0	50.5	53.2	56.1	58.8
-75°	27.8	29.8	32.0	34.3	36.4	38.6	40.6	42.7	44.8	46.7	48.6
-77.5°	24.0	25.6	27.2	28.7	30.3	32.0	33.7	35.4	36.9	38.4	39.8
-80°	20.5	21.5	22.7	23.9	25.1	26.3	27.4	28.5	29.5	30.6	31.7
-82.5°	17.5	18.2	19.0	19.7	20.3	21.0	21.7	22.5	23.3	24.0	24.7
-85°	13.8	15.0	15.5	16.0	16.4	16.9	17.3	17.7	18.1	18.5	18.8
-87.5°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
-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: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-4R-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°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
85°	19.1	19.5	19.8	20.0	20.3	20.5	20.7	20.9	21.1	21.2	21.3
82.5°	25.4	26.0	26.6	27.1	27.6	28.0	28.5	28.8	29.1	29.4	29.6
80°	32.8	33.8	34.7	35.6	36.4	37.1	37.8	38.4	38.9	39.3	39.7
77.5°	41.3	42.6	43.9	45.1	46.2	47.2	48.1	48.9	49.6	50.2	50.6
75°	50.3	52.1	54.0	55.8	57.5	59.0	60.3	61.5	62.6	63.5	64.2
72.5°	61.4	63.8	66.1	68.7	71.0	73.1	75.1	76.8	78.2	79.5	80.5
70°	74.1	77.4	80.6	83.7	87.0	90.0	92.7	95.1	97.2	98.9	100.4
67.5°	88.7	93.4	97.7	101.7	105.9	109.9	113.5	116.7	119.5	121.9	123.9
65°	105.5	111.6	117.3	122.7	127.9	139.3	149.6	158.8	166.8	173.6	179.2
62.5°	124.7	137.8	153.9	168.9	182.7	194.4	203.9	212.4	219.9	226.2	231.4
60°	168.9	187.8	202.8	216.6	229.3	241.1	258.9	274.8	288.7	300.5	310.3
57.5°	212.1	229.3	248.7	274.2	297.8	319.4	347.8	378.8	405.9	429.0	448.1
55°	258.9	290.5	320.2	363.7	409.4	451.4	489.8	525.5	556.8	583.6	605.6
52.5°	324.6	382.9	440.0	494.2	546.5	594.6	638.2	668.8	694.0	715.5	733.2
50°	437.3	503.7	568.7	629.6	675.5	713.8	748.7	776.3	797.1	814.8	829.5
47.5°	554.1	628.0	684.0	732.3	774.4	805.8	834.4	871.1	953.2	1023.5	1081.7
45°	664.2	722.4	774.6	813.9	850.7	960.3	1072.9	1174.1	1516.9	1846.3	2119.2
42.5°	748.4	799.6	844.3	967.2	1110.9	1433.9	1958.0	2429.6	3069.8	3770.0	4350.7
40°	814.7	888.5	1062.3	1359.7	2024.1	2668.3	3774.2	4771.8	6086.7	8147.8	9860.5
37.5°	926.3	1120.1	1698.5	2455.3	3698.3	4994.4	7528.0	10450.1	13087.8	16727.5	19758.4
35°	1139.6	1869.8	2820.0	4399.1	6722.5	10493.4	14598.6	19730.7	24295.5	28483.9	32045.4
32.5°	1869.8	2992.8	4753.9	8203.0	12516.3	18807.7	24890.6	30838.4	36175.0	40428.8	43654.2
30°	2820.0	4753.9	8701.0	13902.9	21384.2	28670.7	35726.5	41564.6	46369.4	50144.0	52183.0
27.5°	4399.1	8203.0	13902.9	22251.9	30607.2	38697.5	44992.7	50270.0	53286.0	55931.4	57489.3
25°	6722.5	12516.3	21384.2	30607.2	39538.1	46739.9	51843.0	55458.4	57885.2	59896.6	62035.7
22.5°	10493.4	18807.7	28670.7	38697.5	46739.9	52374.8	56379.0	59094.8	61993.2	64967.6	68231.5
20°	14598.6	24890.6	35726.5	44992.7	51843.0	56379.0	59505.0	63157.8	67076.4	72370.5	77592.9
17.5°	19730.7	30838.4	41564.6	50270.0	55458.4	59094.8	63157.8	68088.3	74516.4	83456.1	92236.6
15°	24295.5	36175.0	46369.4	53286.0	57885.2	61993.2	67076.4	74516.4	85467.1	98799.5	114469.5
12.5°	28483.9	40428.8	50144.0	55931.4	59896.6	64967.6	72370.5	83456.1	98799.5	118275.4	142545.7
10°	32045.4	43654.2	52183.0	57489.3	62035.7	68231.5	77592.9	92236.6	114469.5	142545.7	178281.1
7.5°	34862.5	46212.6	53805.8	58731.4	63888.9	71568.7	84027.6	103493.6	130936.3	167750.7	252591.7
5°	36901.0	48068.0	54985.9	59637.9	65247.2	74029.0	88808.3	112177.8	145016.0	201218.5	360844.0
2.5°	38134.9	49192.9	55702.7	60189.9	66077.0	75538.4	91758.2	117580.4	153880.9	234847.9	455290.4
0°	<b>38548.1</b>	<b>49569.8</b>	<b>55943.2</b>	<b>60375.3</b>	<b>66356.2</b>	<b>76047.3</b>	<b>92756.0</b>	<b>119416.1</b>	<b>156913.5</b>	<b>251064.8</b>	<b>489860.5</b>
-2.5°	38134.9	49192.9	55702.7	60189.9	66077.0	75538.4	91758.2	117580.4	153880.9	234847.9	455290.4
-5°	36901.0	48068.0	54985.9	59637.9	65247.2	74029.0	88808.3	112177.8	145016.0	201218.5	360844.0
-7.5°	34862.5	46212.6	53805.8	58731.4	63888.9	71568.7	84027.6	103493.6	130936.3	167750.7	252591.7
-10°	32045.4	43654.2	52183.0	57489.3	62035.7	68231.5	77592.9	92236.6	114469.5	142545.7	178281.1
-12.5°	28483.9	40428.8	50144.0	55931.4	59896.6	64967.6	72370.5	83456.1	98799.5	118275.4	142545.7
-15°	24295.5	36175.0	46369.4	53286.0	57885.2	61993.2	67076.4	74516.4	85467.1	98799.5	114469.5
-17.5°	19730.7	30838.4	41564.6	50270.0	55458.4	59094.8	63157.8	68088.3	74516.4	83456.1	92236.6
-20°	14598.6	24890.6	35726.5	44992.7	51843.0	56379.0	59505.0	63157.8	67076.4	72370.5	77592.9



REPORT NUMBER: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-4R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10493.4	18807.7	28670.7	38697.5	46739.9	52374.8	56379.0	59094.8	61993.2	64967.6	68231.5
-25°	6722.5	12516.3	21384.2	30607.2	39538.1	46739.9	51843.0	55458.4	57885.2	59896.6	62035.7
-27.5°	4399.1	8203.0	13902.9	22251.9	30607.2	38697.5	44992.7	50270.0	53286.0	55931.4	57489.3
-30°	2820.0	4753.9	8701.0	13902.9	21384.2	28670.7	35726.5	41564.6	46369.4	50144.0	52183.0
-32.5°	1869.8	2992.8	4753.9	8203.0	12516.3	18807.7	24890.6	30838.4	36175.0	40428.8	43654.2
-35°	1139.6	1869.8	2820.0	4399.1	6722.5	10493.4	14598.6	19730.7	24295.5	28483.9	32045.4
-37.5°	926.3	1120.1	1698.5	2455.3	3698.3	4994.4	7528.0	10450.1	13087.8	16727.5	19758.4
-40°	814.7	888.5	1062.3	1359.7	2024.1	2668.3	3774.2	4771.8	6086.7	8147.8	9860.5
-42.5°	748.4	799.6	844.3	967.2	1110.9	1433.9	1958.0	2429.6	3069.8	3770.0	4350.7
-45°	664.2	722.4	774.6	813.9	850.7	960.3	1072.9	1174.1	1516.9	1846.3	2119.2
-47.5°	554.1	628.0	684.0	732.3	774.4	805.8	834.4	871.1	953.2	1023.5	1081.7
-50°	437.3	503.7	568.7	629.6	675.5	713.8	748.7	776.3	797.1	814.8	829.5
-52.5°	324.6	382.9	440.0	494.2	546.5	594.6	638.2	668.8	694.0	715.5	733.2
-55°	258.9	290.5	320.2	363.7	409.4	451.4	489.8	525.5	556.8	583.6	605.6
-57.5°	212.1	229.3	248.7	274.2	297.8	319.4	347.8	378.8	405.9	429.0	448.1
-60°	168.9	187.8	202.8	216.6	229.3	241.1	258.9	274.8	288.7	300.5	310.3
-62.5°	124.7	137.8	153.9	168.9	182.7	194.4	203.9	212.4	219.9	226.2	231.4
-65°	105.5	111.6	117.3	122.7	127.9	139.3	149.6	158.8	166.8	173.6	179.2
-67.5°	88.7	93.4	97.7	101.7	105.9	109.9	113.5	116.7	119.5	121.9	123.9
-70°	74.1	77.4	80.6	83.7	87.0	90.0	92.7	95.1	97.2	98.9	100.4
-72.5°	61.4	63.8	66.1	68.7	71.0	73.1	75.1	76.8	78.2	79.5	80.5
-75°	50.3	52.1	54.0	55.8	57.5	59.0	60.3	61.5	62.6	63.5	64.2
-77.5°	41.3	42.6	43.9	45.1	46.2	47.2	48.1	48.9	49.6	50.2	50.6
-80°	32.8	33.8	34.7	35.6	36.4	37.1	37.8	38.4	38.9	39.3	39.7
-82.5°	25.4	26.0	26.6	27.1	27.6	28.0	28.5	28.8	29.1	29.4	29.6
-85°	19.1	19.5	19.8	20.0	20.3	20.5	20.7	20.9	21.1	21.2	21.3
-87.5°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
-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: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-4R-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°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
85°	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3	21.2	21.1	20.9
82.5°	29.8	29.9	30.0	30.0	30.0	29.9	29.8	29.6	29.4	29.1	28.8
80°	39.9	40.1	40.3	40.3	40.3	40.1	39.9	39.7	39.3	38.9	38.4
77.5°	51.0	51.3	51.4	51.5	51.4	51.3	51.0	50.6	50.2	49.6	48.9
75°	64.8	65.2	65.4	65.5	65.4	65.2	64.8	64.2	63.5	62.6	61.5
72.5°	81.4	81.9	82.3	82.4	82.3	81.9	81.4	80.5	79.5	78.2	76.8
70°	101.5	102.3	102.8	103.0	102.8	102.3	101.5	100.4	98.9	97.2	95.1
67.5°	125.4	126.5	127.2	127.4	127.2	126.5	125.4	123.9	121.9	119.5	116.7
65°	183.6	186.7	188.6	189.2	188.6	186.7	183.6	179.2	173.6	166.8	158.8
62.5°	235.4	238.4	240.1	240.7	240.1	238.4	235.4	231.4	226.2	219.9	212.4
60°	317.9	323.3	326.6	327.7	326.6	323.3	317.9	310.3	300.5	288.7	274.8
57.5°	463.0	473.7	480.2	482.3	480.2	473.7	463.0	448.1	429.0	405.9	378.8
55°	622.9	635.3	642.7	645.2	642.7	635.3	622.9	605.6	583.6	556.8	525.5
52.5°	747.1	757.1	763.1	765.1	763.1	757.1	747.1	733.2	715.5	694.0	668.8
50°	841.0	849.3	854.2	855.9	854.2	849.3	841.0	829.5	814.8	797.1	776.3
47.5°	1127.3	1160.1	1179.9	1186.5	1179.9	1160.1	1127.3	1081.7	1023.5	953.2	871.1
45°	2333.4	2487.6	2580.6	2611.7	2580.6	2487.6	2333.4	2119.2	1846.3	1516.9	1174.1
42.5°	4807.4	5136.4	5334.9	5401.3	5334.9	5136.4	4807.4	4350.7	3770.0	3069.8	2429.6
40°	11209.5	12182.5	12770.2	12966.7	12770.2	12182.5	11209.5	9860.5	8147.8	6086.7	4771.8
37.5°	22150.4	23878.2	24922.8	25272.3	24922.8	23878.2	22150.4	19758.4	16727.5	13087.8	10450.1
35°	34862.5	36901.0	38134.9	38548.1	38134.9	36901.0	34862.5	32045.4	28483.9	24295.5	19730.7
32.5°	46212.6	48068.0	49192.9	49569.8	49192.9	48068.0	46212.6	43654.2	40428.8	36175.0	30838.4
30°	53805.8	54985.9	55702.7	55943.2	55702.7	54985.9	53805.8	52183.0	50144.0	46369.4	41564.6
27.5°	58731.4	59637.9	60189.9	60375.3	60189.9	59637.9	58731.4	57489.3	55931.4	53286.0	50270.0
25°	63888.9	65247.2	66077.0	66356.2	66077.0	65247.2	63888.9	62035.7	59896.6	57885.2	55458.4
22.5°	71568.7	74029.0	75538.4	76047.3	75538.4	74029.0	71568.7	68231.5	64967.6	61993.2	59094.8
20°	84027.6	88808.3	91758.2	92756.0	91758.2	88808.3	84027.6	77592.9	72370.5	67076.4	63157.8
17.5°	103493.6	112177.8	117580.4	119416.1	117580.4	112177.8	103493.6	92236.6	83456.1	74516.4	68088.3
15°	130936.3	145016.0	153880.9	156913.5	153880.9	145016.0	130936.3	114469.5	98799.5	85467.1	74516.4
12.5°	167750.7	201218.5	234847.9	251064.8	234847.9	201218.5	167750.7	142545.7	118275.4	98799.5	83456.1
10°	252591.7	360844.0	455290.4	489860.5	455290.4	360844.0	252591.7	178281.1	142545.7	114469.5	92236.6
7.5°	422756.6	598095.9	678022.4	698689.2	678022.4	598095.9	422756.6	252591.7	167750.7	130936.3	103493.6
5°	598095.9	720892.4	780217.1	801414.9	780217.1	720892.4	598095.9	360844.0	201218.5	145016.0	112177.8
2.5°	678022.4	780217.1	847859.9	876018.7	847859.9	780217.1	678022.4	455290.4	234847.9	153880.9	117580.4
0°	698689.2	801414.9	876018.7	911404.0	876018.7	801414.9	698689.2	489860.5	251064.8	156913.5	119416.1
-2.5°	678022.4	780217.1	847859.9	876018.7	847859.9	780217.1	678022.4	455290.4	234847.9	153880.9	117580.4
-5°	598095.9	720892.4	780217.1	801414.9	780217.1	720892.4	598095.9	360844.0	201218.5	145016.0	112177.8
-7.5°	422756.6	598095.9	678022.4	698689.2	678022.4	598095.9	422756.6	252591.7	167750.7	130936.3	103493.6
-10°	252591.7	360844.0	455290.4	489860.5	455290.4	360844.0	252591.7	178281.1	142545.7	114469.5	92236.6
-12.5°	167750.7	201218.5	234847.9	251064.8	234847.9	201218.5	167750.7	142545.7	118275.4	98799.5	83456.1
-15°	130936.3	145016.0	153880.9	156913.5	153880.9	145016.0	130936.3	114469.5	98799.5	85467.1	74516.4
-17.5°	103493.6	112177.8	117580.4	119416.1	117580.4	112177.8	103493.6	92236.6	83456.1	74516.4	68088.3
-20°	84027.6	88808.3	91758.2	92756.0	91758.2	88808.3	84027.6	77592.9	72370.5	67076.4	63157.8



REPORT NUMBER: P1306572 (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°	71568.7	74029.0	75538.4	76047.3	75538.4	74029.0	71568.7	68231.5	64967.6	61993.2	59094.8
-25°	63888.9	65247.2	66077.0	66356.2	66077.0	65247.2	63888.9	62035.7	59896.6	57885.2	55458.4
-27.5°	58731.4	59637.9	60189.9	60375.3	60189.9	59637.9	58731.4	57489.3	55931.4	53286.0	50270.0
-30°	53805.8	54985.9	55702.7	55943.2	55702.7	54985.9	53805.8	52183.0	50144.0	46369.4	41564.6
-32.5°	46212.6	48068.0	49192.9	49569.8	49192.9	48068.0	46212.6	43654.2	40428.8	36175.0	30838.4
-35°	34862.5	36901.0	38134.9	38548.1	38134.9	36901.0	34862.5	32045.4	28483.9	24295.5	19730.7
-37.5°	22150.4	23878.2	24922.8	25272.3	24922.8	23878.2	22150.4	19758.4	16727.5	13087.8	10450.1
-40°	11209.5	12182.5	12770.2	12966.7	12770.2	12182.5	11209.5	9860.5	8147.8	6086.7	4771.8
-42.5°	4807.4	5136.4	5334.9	5401.3	5334.9	5136.4	4807.4	4350.7	3770.0	3069.8	2429.6
-45°	2333.4	2487.6	2580.6	2611.7	2580.6	2487.6	2333.4	2119.2	1846.3	1516.9	1174.1
-47.5°	1127.3	1160.1	1179.9	1186.5	1179.9	1160.1	1127.3	1081.7	1023.5	953.2	871.1
-50°	841.0	849.3	854.2	855.9	854.2	849.3	841.0	829.5	814.8	797.1	776.3
-52.5°	747.1	757.1	763.1	765.1	763.1	757.1	747.1	733.2	715.5	694.0	668.8
-55°	622.9	635.3	642.7	645.2	642.7	635.3	622.9	605.6	583.6	556.8	525.5
-57.5°	463.0	473.7	480.2	482.3	480.2	473.7	463.0	448.1	429.0	405.9	378.8
-60°	317.9	323.3	326.6	327.7	326.6	323.3	317.9	310.3	300.5	288.7	274.8
-62.5°	235.4	238.4	240.1	240.7	240.1	238.4	235.4	231.4	226.2	219.9	212.4
-65°	183.6	186.7	188.6	189.2	188.6	186.7	183.6	179.2	173.6	166.8	158.8
-67.5°	125.4	126.5	127.2	127.4	127.2	126.5	125.4	123.9	121.9	119.5	116.7
-70°	101.5	102.3	102.8	103.0	102.8	102.3	101.5	100.4	98.9	97.2	95.1
-72.5°	81.4	81.9	82.3	82.4	82.3	81.9	81.4	80.5	79.5	78.2	76.8
-75°	64.8	65.2	65.4	65.5	65.4	65.2	64.8	64.2	63.5	62.6	61.5
-77.5°	51.0	51.3	51.4	51.5	51.4	51.3	51.0	50.6	50.2	49.6	48.9
-80°	39.9	40.1	40.3	40.3	40.3	40.1	39.9	39.7	39.3	38.9	38.4
-82.5°	29.8	29.9	30.0	30.0	30.0	29.9	29.8	29.6	29.4	29.1	28.8
-85°	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3	21.2	21.1	20.9
-87.5°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
-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):**

	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°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.6
85°	20.7	20.5	20.3	20.0	19.8	19.5	19.1	18.8	18.5	18.1	17.7
82.5°	28.5	28.0	27.6	27.1	26.6	26.0	25.4	24.7	24.0	23.3	22.5
80°	37.8	37.1	36.4	35.6	34.7	33.8	32.8	31.7	30.6	29.5	28.5
77.5°	48.1	47.2	46.2	45.1	43.9	42.6	41.3	39.8	38.4	36.9	35.4
75°	60.3	59.0	57.5	55.8	54.0	52.1	50.3	48.6	46.7	44.8	42.7
72.5°	75.1	73.1	71.0	68.7	66.1	63.8	61.4	58.8	56.1	53.2	50.5
70°	92.7	90.0	87.0	83.7	80.6	77.4	74.1	70.5	66.8	63.3	59.9
67.5°	113.5	109.9	105.9	101.7	97.7	93.4	88.7	83.8	79.3	74.9	70.2
65°	149.6	139.3	127.9	122.7	117.3	111.6	105.5	99.6	93.8	87.8	81.6
62.5°	203.9	194.4	182.7	168.9	153.9	137.8	124.7	117.5	110.0	102.2	95.2
60°	258.9	241.1	229.3	216.6	202.8	187.8	168.9	148.9	127.9	118.9	109.9
57.5°	347.8	319.4	297.8	274.2	248.7	229.3	212.1	194.0	172.0	148.1	125.7
55°	489.8	451.4	409.4	363.7	320.2	290.5	258.9	231.8	211.1	189.5	162.7
52.5°	638.2	594.6	546.5	494.2	440.0	382.9	324.6	288.7	251.0	223.6	199.4
50°	748.7	713.8	675.5	629.6	568.7	503.7	437.3	368.6	310.3	268.1	231.1
47.5°	834.4	805.8	774.4	732.3	684.0	628.0	554.1	476.8	399.9	323.3	276.8
45°	1072.9	960.3	850.7	813.9	774.6	722.4	664.2	588.1	501.7	415.6	327.7
42.5°	1958.0	1433.9	1110.9	967.2	844.3	799.6	748.4	683.4	605.3	510.2	415.6
40°	3774.2	2668.3	2024.1	1359.7	1062.3	888.5	814.7	761.6	689.9	605.3	501.7
37.5°	7528.0	4994.4	3698.3	2455.3	1698.5	1120.1	926.3	819.8	761.6	683.4	588.1
35°	14598.6	10493.4	6722.5	4399.1	2820.0	1869.8	1139.6	926.3	814.7	748.4	664.2
32.5°	24890.6	18807.7	12516.3	8203.0	4753.9	2992.8	1869.8	1120.1	888.5	799.6	722.4
30°	35726.5	28670.7	21384.2	13902.9	8701.0	4753.9	2820.0	1698.5	1062.3	844.3	774.6
27.5°	44992.7	38697.5	30607.2	22251.9	13902.9	8203.0	4399.1	2455.3	1359.7	967.2	813.9
25°	51843.0	46739.9	39538.1	30607.2	21384.2	12516.3	6722.5	3698.3	2024.1	1110.9	850.7
22.5°	56379.0	52374.8	46739.9	38697.5	28670.7	18807.7	10493.4	4994.4	2668.3	1433.9	960.3
20°	59505.0	56379.0	51843.0	44992.7	35726.5	24890.6	14598.6	7528.0	3774.2	1958.0	1072.9
17.5°	63157.8	59094.8	55458.4	50270.0	41564.6	30838.4	19730.7	10450.1	4771.8	2429.6	1174.1
15°	67076.4	61993.2	57885.2	53286.0	46369.4	36175.0	24295.5	13087.8	6086.7	3069.8	1516.9
12.5°	72370.5	64967.6	59896.6	55931.4	50144.0	40428.8	28483.9	16727.5	8147.8	3770.0	1846.3
10°	77592.9	68231.5	62035.7	57489.3	52183.0	43654.2	32045.4	19758.4	9860.5	4350.7	2119.2
7.5°	84027.6	71568.7	63888.9	58731.4	53805.8	46212.6	34862.5	22150.4	11209.5	4807.4	2333.4
5°	88808.3	74029.0	65247.2	59637.9	54985.9	48068.0	36901.0	23878.2	12182.5	5136.4	2487.6
2.5°	91758.2	75538.4	66077.0	60189.9	55702.7	49192.9	38134.9	24922.8	12770.2	5334.9	2580.6
0°	92756.0	76047.3	66356.2	60375.3	55943.2	49569.8	38548.1	25272.3	12966.7	5401.3	2611.7
-2.5°	91758.2	75538.4	66077.0	60189.9	55702.7	49192.9	38134.9	24922.8	12770.2	5334.9	2580.6
-5°	88808.3	74029.0	65247.2	59637.9	54985.9	48068.0	36901.0	23878.2	12182.5	5136.4	2487.6
-7.5°	84027.6	71568.7	63888.9	58731.4	53805.8	46212.6	34862.5	22150.4	11209.5	4807.4	2333.4
-10°	77592.9	68231.5	62035.7	57489.3	52183.0	43654.2	32045.4	19758.4	9860.5	4350.7	2119.2
-12.5°	72370.5	64967.6	59896.6	55931.4	50144.0	40428.8	28483.9	16727.5	8147.8	3770.0	1846.3
-15°	67076.4	61993.2	57885.2	53286.0	46369.4	36175.0	24295.5	13087.8	6086.7	3069.8	1516.9
-17.5°	63157.8	59094.8	55458.4	50270.0	41564.6	30838.4	19730.7	10450.1	4771.8	2429.6	1174.1
-20°	59505.0	56379.0	51843.0	44992.7	35726.5	24890.6	14598.6	7528.0	3774.2	1958.0	1072.9



REPORT NUMBER: P1306572 (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°
-22.5°	56379.0	52374.8	46739.9	38697.5	28670.7	18807.7	10493.4	4994.4	2668.3	1433.9	960.3
-25°	51843.0	46739.9	39538.1	30607.2	21384.2	12516.3	6722.5	3698.3	2024.1	1110.9	850.7
-27.5°	44992.7	38697.5	30607.2	22251.9	13902.9	8203.0	4399.1	2455.3	1359.7	967.2	813.9
-30°	35726.5	28670.7	21384.2	13902.9	8701.0	4753.9	2820.0	1698.5	1062.3	844.3	774.6
-32.5°	24890.6	18807.7	12516.3	8203.0	4753.9	2992.8	1869.8	1120.1	888.5	799.6	722.4
-35°	14598.6	10493.4	6722.5	4399.1	2820.0	1869.8	1139.6	926.3	814.7	748.4	664.2
-37.5°	7528.0	4994.4	3698.3	2455.3	1698.5	1120.1	926.3	819.8	761.6	683.4	588.1
-40°	3774.2	2668.3	2024.1	1359.7	1062.3	888.5	814.7	761.6	689.9	605.3	501.7
-42.5°	1958.0	1433.9	1110.9	967.2	844.3	799.6	748.4	683.4	605.3	510.2	415.6
-45°	1072.9	960.3	850.7	813.9	774.6	722.4	664.2	588.1	501.7	415.6	327.7
-47.5°	834.4	805.8	774.4	732.3	684.0	628.0	554.1	476.8	399.9	323.3	276.8
-50°	748.7	713.8	675.5	629.6	568.7	503.7	437.3	368.6	310.3	268.1	231.1
-52.5°	638.2	594.6	546.5	494.2	440.0	382.9	324.6	288.7	251.0	223.6	199.4
-55°	489.8	451.4	409.4	363.7	320.2	290.5	258.9	231.8	211.1	189.5	162.7
-57.5°	347.8	319.4	297.8	274.2	248.7	229.3	212.1	194.0	172.0	148.1	125.7
-60°	258.9	241.1	229.3	216.6	202.8	187.8	168.9	148.9	127.9	118.9	109.9
-62.5°	203.9	194.4	182.7	168.9	153.9	137.8	124.7	117.5	110.0	102.2	95.2
-65°	149.6	139.3	127.9	122.7	117.3	111.6	105.5	99.6	93.8	87.8	81.6
-67.5°	113.5	109.9	105.9	101.7	97.7	93.4	88.7	83.8	79.3	74.9	70.2
-70°	92.7	90.0	87.0	83.7	80.6	77.4	74.1	70.5	66.8	63.3	59.9
-72.5°	75.1	73.1	71.0	68.7	66.1	63.8	61.4	58.8	56.1	53.2	50.5
-75°	60.3	59.0	57.5	55.8	54.0	52.1	50.3	48.6	46.7	44.8	42.7
-77.5°	48.1	47.2	46.2	45.1	43.9	42.6	41.3	39.8	38.4	36.9	35.4
-80°	37.8	37.1	36.4	35.6	34.7	33.8	32.8	31.7	30.6	29.5	28.5
-82.5°	28.5	28.0	27.6	27.1	26.6	26.0	25.4	24.7	24.0	23.3	22.5
-85°	20.7	20.5	20.3	20.0	19.8	19.5	19.1	18.8	18.5	18.1	17.7
-87.5°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.6
-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: P1306572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-4R-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°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
85°	17.3	16.9	16.4	16.0	15.5	15.0	13.8	12.7	11.5	10.2	9.0
82.5°	21.7	21.0	20.3	19.7	19.0	18.2	17.5	16.7	15.9	15.2	13.5
80°	27.4	26.3	25.1	23.9	22.7	21.5	20.5	19.4	18.4	17.4	16.3
77.5°	33.7	32.0	30.3	28.7	27.2	25.6	24.0	22.3	20.9	19.5	18.2
75°	40.6	38.6	36.4	34.3	32.0	29.8	27.8	25.9	23.8	21.8	20.1
72.5°	48.0	45.4	42.8	40.0	37.4	34.7	32.0	29.3	27.0	24.6	22.1
70°	56.3	52.6	49.3	46.2	42.9	39.7	36.5	33.3	30.1	27.3	24.6
67.5°	65.4	61.2	56.9	52.5	48.7	44.9	41.1	37.4	33.8	30.1	27.0
65°	76.2	70.7	65.0	60.1	55.0	50.2	45.9	41.6	37.4	33.3	29.3
62.5°	88.0	80.8	74.5	67.9	61.9	56.3	50.7	45.9	41.1	36.5	32.0
60°	100.9	92.7	84.2	76.8	69.4	62.6	56.3	50.2	44.9	39.7	34.7
57.5°	115.5	105.0	95.5	86.1	77.5	69.4	61.9	55.0	48.7	42.9	37.4
55°	134.8	119.0	107.3	96.5	86.1	76.8	67.9	60.1	52.5	46.2	40.0
52.5°	171.5	140.6	120.1	107.3	95.5	84.2	74.5	65.0	56.9	49.3	42.8
50°	204.4	174.5	140.6	119.0	105.0	92.7	80.8	70.7	61.2	52.6	45.4
47.5°	233.6	204.4	171.5	134.8	115.5	100.9	88.0	76.2	65.4	56.3	48.0
45°	276.8	231.1	199.4	162.7	125.7	109.9	95.2	81.6	70.2	59.9	50.5
42.5°	323.3	268.1	223.6	189.5	148.1	118.9	102.2	87.8	74.9	63.3	53.2
40°	399.9	310.3	251.0	211.1	172.0	127.9	110.0	93.8	79.3	66.8	56.1
37.5°	476.8	368.6	288.7	231.8	194.0	148.9	117.5	99.6	83.8	70.5	58.8
35°	554.1	437.3	324.6	258.9	212.1	168.9	124.7	105.5	88.7	74.1	61.4
32.5°	628.0	503.7	382.9	290.5	229.3	187.8	137.8	111.6	93.4	77.4	63.8
30°	684.0	568.7	440.0	320.2	248.7	202.8	153.9	117.3	97.7	80.6	66.1
27.5°	732.3	629.6	494.2	363.7	274.2	216.6	168.9	122.7	101.7	83.7	68.7
25°	774.4	675.5	546.5	409.4	297.8	229.3	182.7	127.9	105.9	87.0	71.0
22.5°	805.8	713.8	594.6	451.4	319.4	241.1	194.4	139.3	109.9	90.0	73.1
20°	834.4	748.7	638.2	489.8	347.8	258.9	203.9	149.6	113.5	92.7	75.1
17.5°	871.1	776.3	668.8	525.5	378.8	274.8	212.4	158.8	116.7	95.1	76.8
15°	953.2	797.1	694.0	556.8	405.9	288.7	219.9	166.8	119.5	97.2	78.2
12.5°	1023.5	814.8	715.5	583.6	429.0	300.5	226.2	173.6	121.9	98.9	79.5
10°	1081.7	829.5	733.2	605.6	448.1	310.3	231.4	179.2	123.9	100.4	80.5
7.5°	1127.3	841.0	747.1	622.9	463.0	317.9	235.4	183.6	125.4	101.5	81.4
5°	1160.1	849.3	757.1	635.3	473.7	323.3	238.4	186.7	126.5	102.3	81.9
2.5°	1179.9	854.2	763.1	642.7	480.2	326.6	240.1	188.6	127.2	102.8	82.3
0°	1186.5	855.9	765.1	645.2	482.3	327.7	240.7	189.2	127.4	103.0	82.4
-2.5°	1179.9	854.2	763.1	642.7	480.2	326.6	240.1	188.6	127.2	102.8	82.3
-5°	1160.1	849.3	757.1	635.3	473.7	323.3	238.4	186.7	126.5	102.3	81.9
-7.5°	1127.3	841.0	747.1	622.9	463.0	317.9	235.4	183.6	125.4	101.5	81.4
-10°	1081.7	829.5	733.2	605.6	448.1	310.3	231.4	179.2	123.9	100.4	80.5
-12.5°	1023.5	814.8	715.5	583.6	429.0	300.5	226.2	173.6	121.9	98.9	79.5
-15°	953.2	797.1	694.0	556.8	405.9	288.7	219.9	166.8	119.5	97.2	78.2
-17.5°	871.1	776.3	668.8	525.5	378.8	274.8	212.4	158.8	116.7	95.1	76.8
-20°	834.4	748.7	638.2	489.8	347.8	258.9	203.9	149.6	113.5	92.7	75.1



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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°	805.8	713.8	594.6	451.4	319.4	241.1	194.4	139.3	109.9	90.0	73.1
-25°	774.4	675.5	546.5	409.4	297.8	229.3	182.7	127.9	105.9	87.0	71.0
-27.5°	732.3	629.6	494.2	363.7	274.2	216.6	168.9	122.7	101.7	83.7	68.7
-30°	684.0	568.7	440.0	320.2	248.7	202.8	153.9	117.3	97.7	80.6	66.1
-32.5°	628.0	503.7	382.9	290.5	229.3	187.8	137.8	111.6	93.4	77.4	63.8
-35°	554.1	437.3	324.6	258.9	212.1	168.9	124.7	105.5	88.7	74.1	61.4
-37.5°	476.8	368.6	288.7	231.8	194.0	148.9	117.5	99.6	83.8	70.5	58.8
-40°	399.9	310.3	251.0	211.1	172.0	127.9	110.0	93.8	79.3	66.8	56.1
-42.5°	323.3	268.1	223.6	189.5	148.1	118.9	102.2	87.8	74.9	63.3	53.2
-45°	276.8	231.1	199.4	162.7	125.7	109.9	95.2	81.6	70.2	59.9	50.5
-47.5°	233.6	204.4	171.5	134.8	115.5	100.9	88.0	76.2	65.4	56.3	48.0
-50°	204.4	174.5	140.6	119.0	105.0	92.7	80.8	70.7	61.2	52.6	45.4
-52.5°	171.5	140.6	120.1	107.3	95.5	84.2	74.5	65.0	56.9	49.3	42.8
-55°	134.8	119.0	107.3	96.5	86.1	76.8	67.9	60.1	52.5	46.2	40.0
-57.5°	115.5	105.0	95.5	86.1	77.5	69.4	61.9	55.0	48.7	42.9	37.4
-60°	100.9	92.7	84.2	76.8	69.4	62.6	56.3	50.2	44.9	39.7	34.7
-62.5°	88.0	80.8	74.5	67.9	61.9	56.3	50.7	45.9	41.1	36.5	32.0
-65°	76.2	70.7	65.0	60.1	55.0	50.2	45.9	41.6	37.4	33.3	29.3
-67.5°	65.4	61.2	56.9	52.5	48.7	44.9	41.1	37.4	33.8	30.1	27.0
-70°	56.3	52.6	49.3	46.2	42.9	39.7	36.5	33.3	30.1	27.3	24.6
-72.5°	48.0	45.4	42.8	40.0	37.4	34.7	32.0	29.3	27.0	24.6	22.1
-75°	40.6	38.6	36.4	34.3	32.0	29.8	27.8	25.9	23.8	21.8	20.1
-77.5°	33.7	32.0	30.3	28.7	27.2	25.6	24.0	22.3	20.9	19.5	18.2
-80°	27.4	26.3	25.1	23.9	22.7	21.5	20.5	19.4	18.4	17.4	16.3
-82.5°	21.7	21.0	20.3	19.7	19.0	18.2	17.5	16.7	15.9	15.2	13.5
-85°	17.3	16.9	16.4	16.0	15.5	15.0	13.8	12.7	11.5	10.2	9.0
-87.5°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
-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°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
80°	15.2	12.9	10.4	7.8	5.2	2.6	0.0
77.5°	16.8	15.5	12.9	9.7	6.5	3.2	0.0
75°	18.5	16.8	15.2	11.6	7.8	3.9	0.0
72.5°	20.1	18.2	16.3	13.5	9.0	4.5	0.0
70°	21.8	19.5	17.4	15.2	10.2	5.1	0.0
67.5°	23.8	20.9	18.4	15.9	11.5	5.7	0.0
65°	25.9	22.3	19.4	16.7	12.7	6.3	0.0
62.5°	27.8	24.0	20.5	17.5	13.8	6.9	0.0
60°	29.8	25.6	21.5	18.2	15.0	7.5	0.0
57.5°	32.0	27.2	22.7	19.0	15.5	8.1	0.0
55°	34.3	28.7	23.9	19.7	16.0	8.6	0.0
52.5°	36.4	30.3	25.1	20.3	16.4	9.1	0.0
50°	38.6	32.0	26.3	21.0	16.9	9.6	0.0
47.5°	40.6	33.7	27.4	21.7	17.3	10.1	0.0
45°	42.7	35.4	28.5	22.5	17.7	10.6	0.0
42.5°	44.8	36.9	29.5	23.3	18.1	11.1	0.0
40°	46.7	38.4	30.6	24.0	18.5	11.5	0.0
37.5°	48.6	39.8	31.7	24.7	18.8	11.9	0.0
35°	50.3	41.3	32.8	25.4	19.1	12.3	0.0
32.5°	52.1	42.6	33.8	26.0	19.5	12.6	0.0
30°	54.0	43.9	34.7	26.6	19.8	13.0	0.0
27.5°	55.8	45.1	35.6	27.1	20.0	13.3	0.0
25°	57.5	46.2	36.4	27.6	20.3	13.6	0.0
22.5°	59.0	47.2	37.1	28.0	20.5	13.9	0.0
20°	60.3	48.1	37.8	28.5	20.7	14.1	0.0
17.5°	61.5	48.9	38.4	28.8	20.9	14.3	0.0
15°	62.6	49.6	38.9	29.1	21.1	14.5	0.0
12.5°	63.5	50.2	39.3	29.4	21.2	14.6	0.0
10°	64.2	50.6	39.7	29.6	21.3	14.8	0.0
7.5°	64.8	51.0	39.9	29.8	21.4	14.9	0.0
5°	65.2	51.3	40.1	29.9	21.5	14.9	0.0
2.5°	65.4	51.4	40.3	30.0	21.5	15.0	0.0
0°	65.5	51.5	40.3	30.0	21.5	15.0	0.0
-2.5°	65.4	51.4	40.3	30.0	21.5	15.0	0.0
-5°	65.2	51.3	40.1	29.9	21.5	14.9	0.0
-7.5°	64.8	51.0	39.9	29.8	21.4	14.9	0.0
-10°	64.2	50.6	39.7	29.6	21.3	14.8	0.0
-12.5°	63.5	50.2	39.3	29.4	21.2	14.6	0.0
-15°	62.6	49.6	38.9	29.1	21.1	14.5	0.0
-17.5°	61.5	48.9	38.4	28.8	20.9	14.3	0.0
-20°	60.3	48.1	37.8	28.5	20.7	14.1	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	59.0	47.2	37.1	28.0	20.5	13.9	0.0
-25°	57.5	46.2	36.4	27.6	20.3	13.6	0.0
-27.5°	55.8	45.1	35.6	27.1	20.0	13.3	0.0
-30°	54.0	43.9	34.7	26.6	19.8	13.0	0.0
-32.5°	52.1	42.6	33.8	26.0	19.5	12.6	0.0
-35°	50.3	41.3	32.8	25.4	19.1	12.3	0.0
-37.5°	48.6	39.8	31.7	24.7	18.8	11.9	0.0
-40°	46.7	38.4	30.6	24.0	18.5	11.5	0.0
-42.5°	44.8	36.9	29.5	23.3	18.1	11.1	0.0
-45°	42.7	35.4	28.5	22.5	17.7	10.6	0.0
-47.5°	40.6	33.7	27.4	21.7	17.3	10.1	0.0
-50°	38.6	32.0	26.3	21.0	16.9	9.6	0.0
-52.5°	36.4	30.3	25.1	20.3	16.4	9.1	0.0
-55°	34.3	28.7	23.9	19.7	16.0	8.6	0.0
-57.5°	32.0	27.2	22.7	19.0	15.5	8.1	0.0
-60°	29.8	25.6	21.5	18.2	15.0	7.5	0.0
-62.5°	27.8	24.0	20.5	17.5	13.8	6.9	0.0
-65°	25.9	22.3	19.4	16.7	12.7	6.3	0.0
-67.5°	23.8	20.9	18.4	15.9	11.5	5.7	0.0
-70°	21.8	19.5	17.4	15.2	10.2	5.1	0.0
-72.5°	20.1	18.2	16.3	13.5	9.0	4.5	0.0
-75°	18.5	16.8	15.2	11.6	7.8	3.9	0.0
-77.5°	16.8	15.5	12.9	9.7	6.5	3.2	0.0
-80°	15.2	12.9	10.4	7.8	5.2	2.6	0.0
-82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
-85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-87.5°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)