

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: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-80-1R-S**

Issue Date: 8/10/2023

**Test Information**

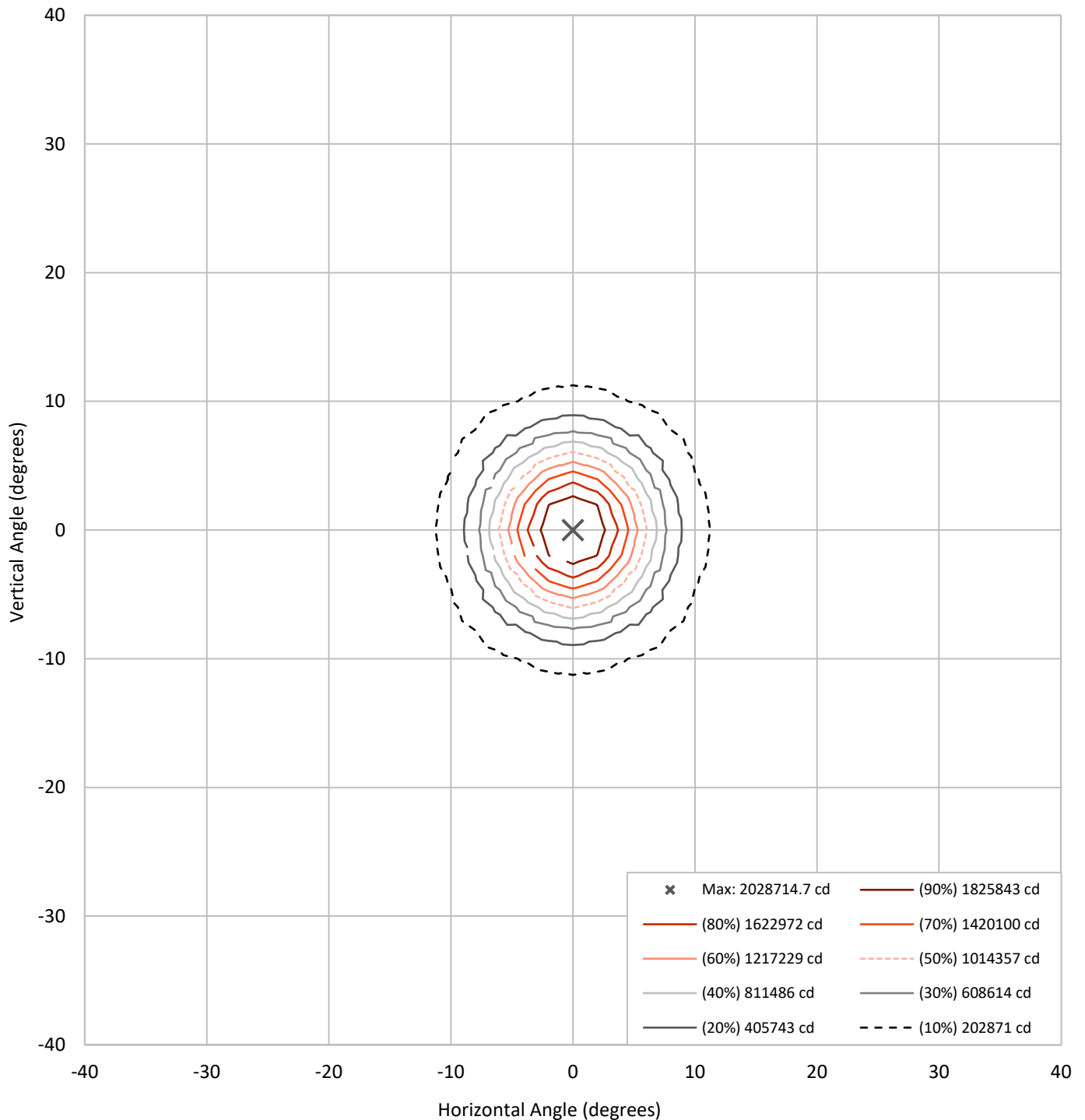
Test Method: LM-79-08  
Report Number: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-80-1R-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 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:	163343.6 lumens	Max Intensity:	2028714.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.1 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:	46680.5 lumens	Field Lumens:	87981.4 lumens
Beam Efficiency:	28.6%	Field Efficiency:	53.9%
Input Watts (W):	1255.9		
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





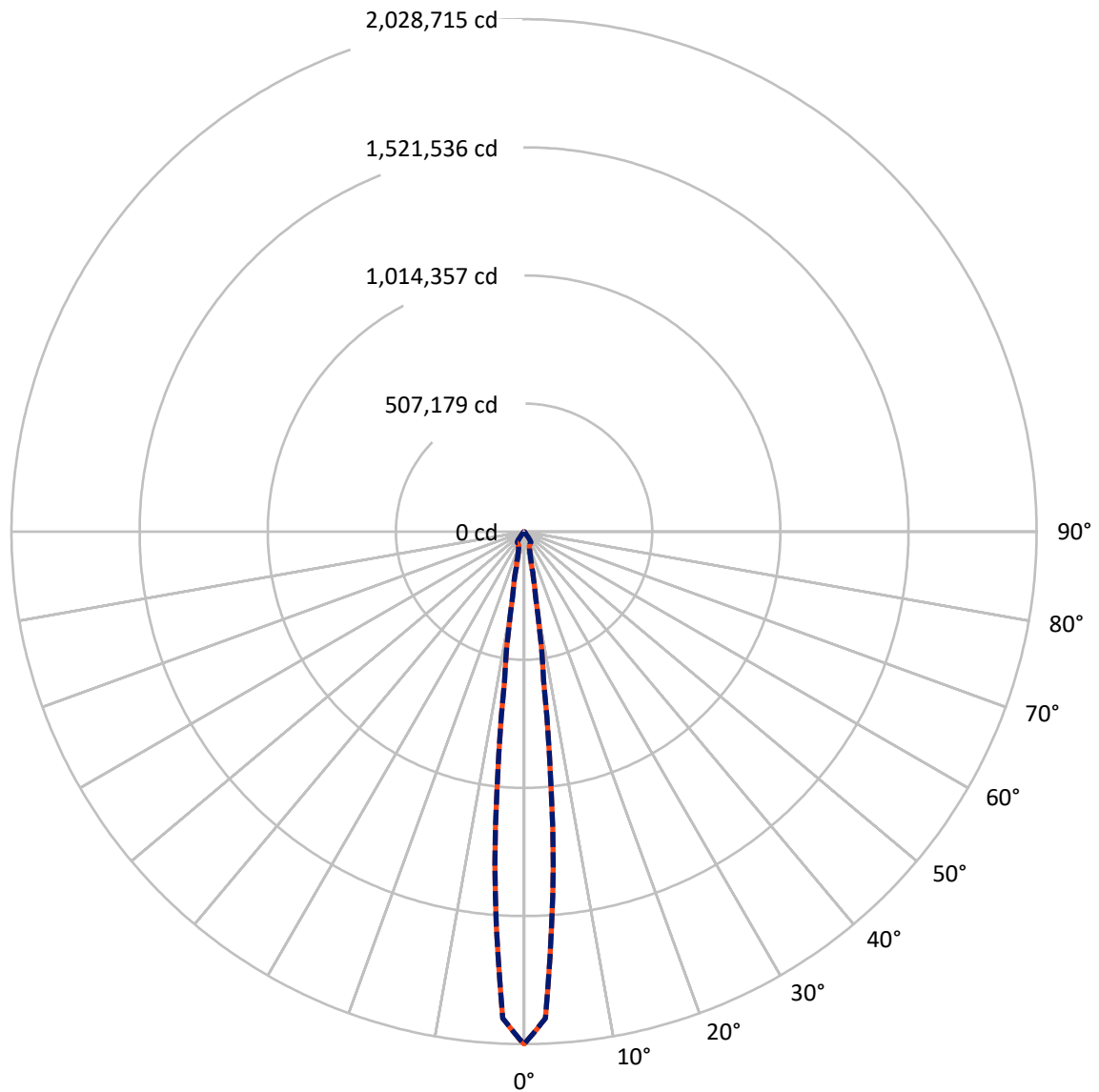
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### Lumen Table

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	13.7	15.3	15.3	13.7	11.2	7.9	3.6	1.5	0.7	
50	0.8	0.9	2.9	8.1	13.0	20.7	37.7	62.1	62.1	37.7	20.7	13.0	8.1	2.9	0.9	0.8
40		1.2	5.6	11.2	25.5	177.2	651.5	1001.2	1001.2	651.5	177.2	25.5	11.2	5.6	1.2	
30	1.0	1.8	7.1	16.3	162.2	985.0	1509.5	1658.1	1658.1	1509.5	985.0	162.2	16.3	7.1	1.8	1.0
20		2.5	8.2	28.1	561.9	1417.3	1819.8	2971.9	2971.9	1819.8	1417.3	561.9	28.1	8.2	2.5	
10	1.1	2.9	8.9	45.5	834.6	1509.8	2892.3	22284.9	22284.9	2892.3	1509.8	834.6	45.5	8.9	2.9	1.1
0		2.9	8.9	45.5	834.6	1509.8	2892.3	22284.9	22284.9	2892.3	1509.8	834.6	45.5	8.9	2.9	
-10	1.0	2.5	8.2	28.1	561.9	1417.3	1819.8	2971.9	2971.9	1819.8	1417.3	561.9	28.1	8.2	2.5	1.0
-20		1.8	7.1	16.3	162.2	985.0	1509.5	1658.1	1658.1	1509.5	985.0	162.2	16.3	7.1	1.8	
-30	0.8	1.2	5.6	11.2	25.5	177.2	651.5	1001.2	1001.2	651.5	177.2	25.5	11.2	5.6	1.2	0.8
-40		0.9	2.9	8.1	13.0	20.7	37.7	62.1	62.1	37.7	20.7	13.0	8.1	2.9	0.9	
-50	0.5	0.7	1.5	3.6	7.9	11.2	13.7	15.3	15.3	13.7	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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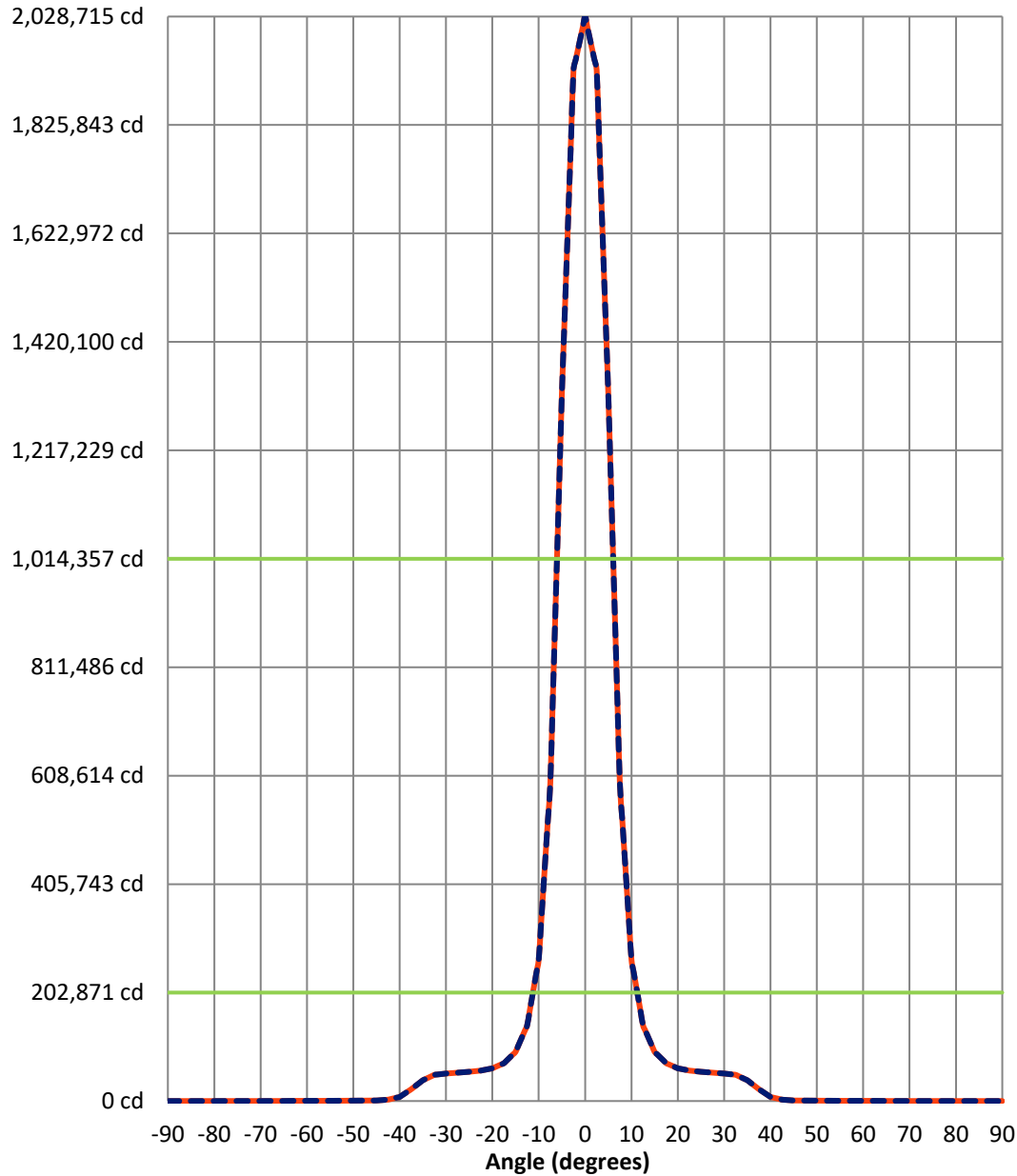
### Luminous Intensity Polar Plot



— 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: 46680.5  
 Efficiency: 28.6%

**Field:**  
 H Angle: 22.5°  
 V Angle: 22.5°  
 Lumens: 87981.4  
 Efficiency: 53.9%

**Spill:**  
 Lumens: 75362.2  
 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	31.4
67.5°	0.0	3.6	7.3	10.9	14.4	18.0	21.5	25.0	28.5	31.9	35.2
65°	0.0	4.0	8.0	12.0	15.9	19.8	23.8	27.6	31.4	35.2	38.9
62.5°	0.0	4.4	8.8	13.1	17.4	21.7	26.0	30.2	34.4	38.5	42.6
60°	0.0	4.7	9.5	14.2	18.8	23.5	28.2	32.7	37.2	41.7	46.2
57.5°	0.0	5.1	10.2	15.2	20.2	25.3	30.3	35.2	40.0	44.9	49.7
55°	0.0	5.4	10.9	16.2	21.6	27.0	32.3	37.5	42.8	48.0	53.1
52.5°	0.0	5.8	11.5	17.2	23.0	28.7	34.3	39.9	45.5	51.0	56.5
50°	0.0	6.1	12.2	18.2	24.3	30.3	36.2	42.2	48.1	53.9	62.6
47.5°	0.0	6.4	12.8	19.1	25.5	31.8	38.1	44.3	50.6	56.7	68.8
45°	0.0	6.7	13.4	20.0	26.7	33.3	39.9	46.5	53.0	62.1	74.9
42.5°	0.0	7.0	14.0	20.9	27.9	34.7	41.6	48.5	55.3	67.3	78.2
40°	0.0	7.3	14.5	21.7	28.9	36.1	43.3	50.4	58.2	72.3	80.9
37.5°	0.0	7.5	15.0	22.5	30.0	37.4	44.8	52.2	62.4	76.4	83.6
35°	0.0	7.8	15.5	23.2	30.9	38.6	46.3	54.0	66.4	78.6	87.0
32.5°	0.0	8.0	15.9	23.9	31.9	39.8	47.7	55.6	70.1	80.7	91.8
30°	0.0	8.2	16.4	24.6	32.7	40.9	49.0	57.5	73.7	82.7	96.3
27.5°	0.0	8.4	16.8	25.2	33.5	41.9	50.2	60.4	76.3	84.5	100.4
25°	0.0	8.6	17.1	25.7	34.2	42.8	51.4	63.0	77.8	87.3	104.4
22.5°	0.0	8.8	17.5	26.2	34.9	43.6	52.4	65.3	79.2	90.5	111.4
20°	0.0	8.9	17.8	26.7	35.5	44.4	53.3	67.5	80.4	93.3	117.7
17.5°	0.0	9.1	18.0	27.1	36.0	45.1	54.1	69.4	81.5	95.8	123.3
15°	0.0	9.2	18.3	27.4	36.5	45.7	54.8	71.1	82.4	98.0	128.2
12.5°	0.0	9.3	18.5	27.7	36.9	46.2	55.4	72.5	83.2	99.8	132.3
10°	0.0	9.4	18.6	28.0	37.2	46.6	55.9	73.6	83.9	101.4	135.8
7.5°	0.0	9.4	18.7	28.2	37.5	46.9	56.3	74.5	84.4	102.6	138.4
5°	0.0	9.5	18.8	28.3	37.7	47.1	56.6	75.2	84.8	103.4	140.4
2.5°	0.0	9.5	18.9	28.4	37.8	47.3	56.7	75.6	85.0	103.9	141.5
0°	0.0	9.5	18.9	28.4	37.8	47.3	56.8	75.7	85.1	104.1	141.9
-2.5°	0.0	9.5	18.9	28.4	37.8	47.3	56.7	75.6	85.0	103.9	141.5
-5°	0.0	9.5	18.8	28.3	37.7	47.1	56.6	75.2	84.8	103.4	140.4
-7.5°	0.0	9.4	18.7	28.2	37.5	46.9	56.3	74.5	84.4	102.6	138.4
-10°	0.0	9.4	18.6	28.0	37.2	46.6	55.9	73.6	83.9	101.4	135.8
-12.5°	0.0	9.3	18.5	27.7	36.9	46.2	55.4	72.5	83.2	99.8	132.3
-15°	0.0	9.2	18.3	27.4	36.5	45.7	54.8	71.1	82.4	98.0	128.2
-17.5°	0.0	9.1	18.0	27.1	36.0	45.1	54.1	69.4	81.5	95.8	123.3
-20°	0.0	8.9	17.8	26.7	35.5	44.4	53.3	67.5	80.4	93.3	117.7



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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	8.8	17.5	26.2	34.9	43.6	52.4	65.3	79.2	90.5	111.4
-25°	0.0	8.6	17.1	25.7	34.2	42.8	51.4	63.0	77.8	87.3	104.4
-27.5°	0.0	8.4	16.8	25.2	33.5	41.9	50.2	60.4	76.3	84.5	100.4
-30°	0.0	8.2	16.4	24.6	32.7	40.9	49.0	57.5	73.7	82.7	96.3
-32.5°	0.0	8.0	15.9	23.9	31.9	39.8	47.7	55.6	70.1	80.7	91.8
-35°	0.0	7.8	15.5	23.2	30.9	38.6	46.3	54.0	66.4	78.6	87.0
-37.5°	0.0	7.5	15.0	22.5	30.0	37.4	44.8	52.2	62.4	76.4	83.6
-40°	0.0	7.3	14.5	21.7	28.9	36.1	43.3	50.4	58.2	72.3	80.9
-42.5°	0.0	7.0	14.0	20.9	27.9	34.7	41.6	48.5	55.3	67.3	78.2
-45°	0.0	6.7	13.4	20.0	26.7	33.3	39.9	46.5	53.0	62.1	74.9
-47.5°	0.0	6.4	12.8	19.1	25.5	31.8	38.1	44.3	50.6	56.7	68.8
-50°	0.0	6.1	12.2	18.2	24.3	30.3	36.2	42.2	48.1	53.9	62.6
-52.5°	0.0	5.8	11.5	17.2	23.0	28.7	34.3	39.9	45.5	51.0	56.5
-55°	0.0	5.4	10.9	16.2	21.6	27.0	32.3	37.5	42.8	48.0	53.1
-57.5°	0.0	5.1	10.2	15.2	20.2	25.3	30.3	35.2	40.0	44.9	49.7
-60°	0.0	4.7	9.5	14.2	18.8	23.5	28.2	32.7	37.2	41.7	46.2
-62.5°	0.0	4.4	8.8	13.1	17.4	21.7	26.0	30.2	34.4	38.5	42.6
-65°	0.0	4.0	8.0	12.0	15.9	19.8	23.8	27.6	31.4	35.2	38.9
-67.5°	0.0	3.6	7.3	10.9	14.4	18.0	21.5	25.0	28.5	31.9	35.2
-70°	0.0	3.2	6.5	9.7	12.9	16.1	19.2	22.3	25.4	28.5	31.4
-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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**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	31.8	33.3	34.7	36.1	37.4
75°	26.0	28.2	30.3	32.3	34.3	36.2	38.1	39.9	41.6	43.3	44.8
72.5°	30.2	32.7	35.2	37.5	39.9	42.2	44.3	46.5	48.5	50.4	52.2
70°	34.4	37.2	40.0	42.8	45.5	48.1	50.6	53.0	55.3	58.2	62.4
67.5°	38.5	41.7	44.9	48.0	51.0	53.9	56.7	62.1	67.3	72.3	76.4
65°	42.6	46.2	49.7	53.1	56.5	62.6	68.8	74.9	78.2	80.9	83.6
62.5°	46.6	50.5	54.4	59.5	66.8	73.9	78.2	81.6	84.7	90.5	96.4
60°	50.5	54.8	61.2	69.4	76.5	80.4	84.1	90.5	97.5	104.4	117.3
57.5°	54.4	61.2	70.3	77.4	81.7	86.7	94.9	102.8	116.8	131.4	163.8
55°	59.5	69.4	77.4	82.1	88.4	97.5	108.6	125.7	143.5	242.6	337.5
52.5°	66.8	76.5	81.7	88.4	98.4	112.2	131.1	188.9	299.7	379.5	383.6
50°	73.9	80.4	86.7	97.5	112.2	132.9	211.7	334.3	381.4	385.9	390.3
47.5°	78.2	84.1	94.9	108.6	131.1	211.7	345.9	382.3	387.3	392.2	397.0
45°	81.6	90.5	102.8	125.7	188.9	334.3	382.3	387.8	393.2	407.4	452.6
42.5°	84.7	97.5	116.8	143.5	299.7	381.4	387.3	393.2	411.9	461.6	518.6
40°	90.5	104.4	131.4	242.6	379.5	385.9	392.2	407.4	461.6	524.7	592.7
37.5°	96.4	117.3	163.8	337.5	383.6	390.3	397.0	452.6	518.6	592.7	692.9
35°	102.0	129.5	247.1	380.4	387.5	394.5	434.8	500.4	580.2	683.9	785.0
32.5°	110.4	141.0	326.0	383.8	391.2	408.5	473.4	555.6	657.0	769.8	862.6
30°	120.3	204.2	379.3	387.0	394.7	442.4	519.1	612.8	736.2	839.5	947.0
27.5°	129.5	267.5	382.0	390.0	403.5	474.3	564.9	682.5	801.4	908.7	1032.4
25°	138.0	326.0	384.6	392.8	430.8	511.1	612.4	747.5	858.9	983.7	1665.4
22.5°	165.7	378.4	386.9	395.4	456.0	547.4	668.1	798.6	917.1	1082.1	2399.4
20°	209.6	380.4	389.0	401.2	478.8	580.5	718.8	843.7	976.2	1708.3	4055.1
17.5°	248.6	382.1	390.9	419.9	504.7	615.9	762.9	884.2	1029.5	2273.3	6013.5
15°	282.7	383.6	392.6	436.2	528.6	652.7	795.8	926.5	1309.4	3089.1	7842.3
12.5°	311.7	384.9	394.0	450.2	549.0	684.1	823.9	963.6	1706.0	4470.5	12114.7
10°	335.6	385.9	395.2	461.7	565.8	710.1	847.2	994.4	2034.8	5618.3	15672.5
7.5°	354.3	386.7	396.1	470.7	579.0	730.4	865.5	1018.6	2293.5	6522.4	18480.3
5°	367.7	387.3	396.8	477.2	588.4	745.0	878.6	1036.0	2479.8	7174.5	20508.4
2.5°	375.7	387.7	397.2	481.1	594.1	753.9	886.6	1046.5	2592.2	7568.4	21734.6
0°	<b>378.4</b>	<b>387.8</b>	<b>397.3</b>	<b>482.4</b>	<b>596.0</b>	<b>756.8</b>	<b>889.2</b>	<b>1050.0</b>	<b>2629.8</b>	<b>7700.1</b>	<b>22144.9</b>
-2.5°	375.7	387.7	397.2	481.1	594.1	753.9	886.6	1046.5	2592.2	7568.4	21734.6
-5°	367.7	387.3	396.8	477.2	588.4	745.0	878.6	1036.0	2479.8	7174.5	20508.4
-7.5°	354.3	386.7	396.1	470.7	579.0	730.4	865.5	1018.6	2293.5	6522.4	18480.3
-10°	335.6	385.9	395.2	461.7	565.8	710.1	847.2	994.4	2034.8	5618.3	15672.5
-12.5°	311.7	384.9	394.0	450.2	549.0	684.1	823.9	963.6	1706.0	4470.5	12114.7
-15°	282.7	383.6	392.6	436.2	528.6	652.7	795.8	926.5	1309.4	3089.1	7842.3
-17.5°	248.6	382.1	390.9	419.9	504.7	615.9	762.9	884.2	1029.5	2273.3	6013.5
-20°	209.6	380.4	389.0	401.2	478.8	580.5	718.8	843.7	976.2	1708.3	4055.1



REPORT NUMBER: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-1R-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	165.7	378.4	386.9	395.4	456.0	547.4	668.1	798.6	917.1	1082.1	2399.4
-25°	138.0	326.0	384.6	392.8	430.8	511.1	612.4	747.5	858.9	983.7	1665.4
-27.5°	129.5	267.5	382.0	390.0	403.5	474.3	564.9	682.5	801.4	908.7	1032.4
-30°	120.3	204.2	379.3	387.0	394.7	442.4	519.1	612.8	736.2	839.5	947.0
-32.5°	110.4	141.0	326.0	383.8	391.2	408.5	473.4	555.6	657.0	769.8	862.6
-35°	102.0	129.5	247.1	380.4	387.5	394.5	434.8	500.4	580.2	683.9	785.0
-37.5°	96.4	117.3	163.8	337.5	383.6	390.3	397.0	452.6	518.6	592.7	692.9
-40°	90.5	104.4	131.4	242.6	379.5	385.9	392.2	407.4	461.6	524.7	592.7
-42.5°	84.7	97.5	116.8	143.5	299.7	381.4	387.3	393.2	411.9	461.6	518.6
-45°	81.6	90.5	102.8	125.7	188.9	334.3	382.3	387.8	393.2	407.4	452.6
-47.5°	78.2	84.1	94.9	108.6	131.1	211.7	345.9	382.3	387.3	392.2	397.0
-50°	73.9	80.4	86.7	97.5	112.2	132.9	211.7	334.3	381.4	385.9	390.3
-52.5°	66.8	76.5	81.7	88.4	98.4	112.2	131.1	188.9	299.7	379.5	383.6
-55°	59.5	69.4	77.4	82.1	88.4	97.5	108.6	125.7	143.5	242.6	337.5
-57.5°	54.4	61.2	70.3	77.4	81.7	86.7	94.9	102.8	116.8	131.4	163.8
-60°	50.5	54.8	61.2	69.4	76.5	80.4	84.1	90.5	97.5	104.4	117.3
-62.5°	46.6	50.5	54.4	59.5	66.8	73.9	78.2	81.6	84.7	90.5	96.4
-65°	42.6	46.2	49.7	53.1	56.5	62.6	68.8	74.9	78.2	80.9	83.6
-67.5°	38.5	41.7	44.9	48.0	51.0	53.9	56.7	62.1	67.3	72.3	76.4
-70°	34.4	37.2	40.0	42.8	45.5	48.1	50.6	53.0	55.3	58.2	62.4
-72.5°	30.2	32.7	35.2	37.5	39.9	42.2	44.3	46.5	48.5	50.4	52.2
-75°	26.0	28.2	30.3	32.3	34.3	36.2	38.1	39.9	41.6	43.3	44.8
-77.5°	21.7	23.5	25.3	27.0	28.7	30.3	31.8	33.3	34.7	36.1	37.4
-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: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-1R-S

**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°	30.9	31.9	32.7	33.5	34.2	34.9	35.5	36.0	36.5	36.9	37.2
77.5°	38.6	39.8	40.9	41.9	42.8	43.6	44.4	45.1	45.7	46.2	46.6
75°	46.3	47.7	49.0	50.2	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	65.3	67.5	69.4	71.1	72.5	73.6
70°	66.4	70.1	73.7	76.3	77.8	79.2	80.4	81.5	82.4	83.2	83.9
67.5°	78.6	80.7	82.7	84.5	87.3	90.5	93.3	95.8	98.0	99.8	101.4
65°	87.0	91.8	96.3	100.4	104.4	111.4	117.7	123.3	128.2	132.3	135.8
62.5°	102.0	110.4	120.3	129.5	138.0	165.7	209.6	248.6	282.7	311.7	335.6
60°	129.5	141.0	204.2	267.5	326.0	378.4	380.4	382.1	383.6	384.9	385.9
57.5°	247.1	326.0	379.3	382.0	384.6	386.9	389.0	390.9	392.6	394.0	395.2
55°	380.4	383.8	387.0	390.0	392.8	395.4	401.2	419.9	436.2	450.2	461.7
52.5°	387.5	391.2	394.7	403.5	430.8	456.0	478.8	504.7	528.6	549.0	565.8
50°	394.5	408.5	442.4	474.3	511.1	547.4	580.5	615.9	652.7	684.1	710.1
47.5°	434.8	473.4	519.1	564.9	612.4	668.1	718.8	762.9	795.8	823.9	847.2
45°	500.4	555.6	612.8	682.5	747.5	798.6	843.7	884.2	926.5	963.6	994.4
42.5°	580.2	657.0	736.2	801.4	858.9	917.1	976.2	1029.5	1309.4	1706.0	2034.8
40°	683.9	769.8	839.5	908.7	983.7	1082.1	1708.3	2273.3	3089.1	4470.5	5618.3
37.5°	785.0	862.6	947.0	1032.4	1665.4	2399.4	4055.1	6013.5	7842.3	12114.7	15672.5
35°	870.4	966.3	1167.9	2062.2	3515.3	6042.5	9615.7	15640.0	20998.3	26195.4	30687.2
32.5°	966.3	1265.8	2263.2	4507.5	7398.3	14556.5	21696.9	29165.0	35895.5	40626.8	43608.3
30°	1167.9	2263.2	4841.2	8799.0	17580.9	26430.9	35329.8	41676.8	46118.0	49290.3	50049.9
27.5°	2062.2	4507.5	8799.0	18599.4	28873.2	39026.5	44845.5	49337.2	50460.8	51446.3	52021.6
25°	3515.3	7398.3	17580.9	28873.2	39803.5	46460.6	49923.2	51270.1	52167.8	52910.5	53549.5
22.5°	6042.5	14556.5	26430.9	39026.5	46460.6	50121.4	51611.6	52614.5	53537.6	54365.6	55182.3
20°	9615.7	21696.9	35329.8	44845.5	49923.2	51611.6	52765.9	53861.8	54917.3	56131.8	57369.8
17.5°	15640.0	29165.0	41676.8	49337.2	51270.1	52614.5	53861.8	55149.4	56624.0	58866.9	61108.8
15°	20998.3	35895.5	46118.0	50460.8	52167.8	53537.6	54917.3	56624.0	59380.3	63411.5	69038.3
12.5°	26195.4	40626.8	49290.3	51446.3	52910.5	54365.6	56131.8	58866.9	63411.5	70404.9	83832.4
10°	30687.2	43608.3	50049.9	52021.6	53549.5	55182.3	57369.8	61108.8	69038.3	83832.4	105060.2
7.5°	34240.0	45973.1	50654.4	52480.3	54065.3	55947.8	59012.8	65097.1	77298.3	98583.9	142213.8
5°	36811.0	47688.2	51094.1	52815.0	54443.4	56512.2	60233.4	68215.4	85222.7	117895.5	191861.9
2.5°	38367.3	48728.0	51361.1	53018.8	54674.4	56858.5	60986.6	70155.3	90212.1	134484.5	244883.1
0°	38888.4	49076.4	51450.7	53087.3	54752.1	56975.2	61241.4	70814.5	91918.9	141548.7	264925.5
-2.5°	38367.3	48728.0	51361.1	53018.8	54674.4	56858.5	60986.6	70155.3	90212.1	134484.5	244883.1
-5°	36811.0	47688.2	51094.1	52815.0	54443.4	56512.2	60233.4	68215.4	85222.7	117895.5	191861.9
-7.5°	34240.0	45973.1	50654.4	52480.3	54065.3	55947.8	59012.8	65097.1	77298.3	98583.9	142213.8
-10°	30687.2	43608.3	50049.9	52021.6	53549.5	55182.3	57369.8	61108.8	69038.3	83832.4	105060.2
-12.5°	26195.4	40626.8	49290.3	51446.3	52910.5	54365.6	56131.8	58866.9	63411.5	70404.9	83832.4
-15°	20998.3	35895.5	46118.0	50460.8	52167.8	53537.6	54917.3	56624.0	59380.3	63411.5	69038.3
-17.5°	15640.0	29165.0	41676.8	49337.2	51270.1	52614.5	53861.8	55149.4	56624.0	58866.9	61108.8
-20°	9615.7	21696.9	35329.8	44845.5	49923.2	51611.6	52765.9	53861.8	54917.3	56131.8	57369.8



REPORT NUMBER: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-1R-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6042.5	14556.5	26430.9	39026.5	46460.6	50121.4	51611.6	52614.5	53537.6	54365.6	55182.3
-25°	3515.3	7398.3	17580.9	28873.2	39803.5	46460.6	49923.2	51270.1	52167.8	52910.5	53549.5
-27.5°	2062.2	4507.5	8799.0	18599.4	28873.2	39026.5	44845.5	49337.2	50460.8	51446.3	52021.6
-30°	1167.9	2263.2	4841.2	8799.0	17580.9	26430.9	35329.8	41676.8	46118.0	49290.3	50049.9
-32.5°	966.3	1265.8	2263.2	4507.5	7398.3	14556.5	21696.9	29165.0	35895.5	40626.8	43608.3
-35°	870.4	966.3	1167.9	2062.2	3515.3	6042.5	9615.7	15640.0	20998.3	26195.4	30687.2
-37.5°	785.0	862.6	947.0	1032.4	1665.4	2399.4	4055.1	6013.5	7842.3	12114.7	15672.5
-40°	683.9	769.8	839.5	908.7	983.7	1082.1	1708.3	2273.3	3089.1	4470.5	5618.3
-42.5°	580.2	657.0	736.2	801.4	858.9	917.1	976.2	1029.5	1309.4	1706.0	2034.8
-45°	500.4	555.6	612.8	682.5	747.5	798.6	843.7	884.2	926.5	963.6	994.4
-47.5°	434.8	473.4	519.1	564.9	612.4	668.1	718.8	762.9	795.8	823.9	847.2
-50°	394.5	408.5	442.4	474.3	511.1	547.4	580.5	615.9	652.7	684.1	710.1
-52.5°	387.5	391.2	394.7	403.5	430.8	456.0	478.8	504.7	528.6	549.0	565.8
-55°	380.4	383.8	387.0	390.0	392.8	395.4	401.2	419.9	436.2	450.2	461.7
-57.5°	247.1	326.0	379.3	382.0	384.6	386.9	389.0	390.9	392.6	394.0	395.2
-60°	129.5	141.0	204.2	267.5	326.0	378.4	380.4	382.1	383.6	384.9	385.9
-62.5°	102.0	110.4	120.3	129.5	138.0	165.7	209.6	248.6	282.7	311.7	335.6
-65°	87.0	91.8	96.3	100.4	104.4	111.4	117.7	123.3	128.2	132.3	135.8
-67.5°	78.6	80.7	82.7	84.5	87.3	90.5	93.3	95.8	98.0	99.8	101.4
-70°	66.4	70.1	73.7	76.3	77.8	79.2	80.4	81.5	82.4	83.2	83.9
-72.5°	54.0	55.6	57.5	60.4	63.0	65.3	67.5	69.4	71.1	72.5	73.6
-75°	46.3	47.7	49.0	50.2	51.4	52.4	53.3	54.1	54.8	55.4	55.9
-77.5°	38.6	39.8	40.9	41.9	42.8	43.6	44.4	45.1	45.7	46.2	46.6
-80°	30.9	31.9	32.7	33.5	34.2	34.9	35.5	36.0	36.5	36.9	37.2
-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: P699921 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-1R-S

**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°	37.5	37.7	37.8	37.8	37.8	37.7	37.5	37.2	36.9	36.5	36.0
77.5°	46.9	47.1	47.3	47.3	47.3	47.1	46.9	46.6	46.2	45.7	45.1
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°	74.5	75.2	75.6	75.7	75.6	75.2	74.5	73.6	72.5	71.1	69.4
70°	84.4	84.8	85.0	85.1	85.0	84.8	84.4	83.9	83.2	82.4	81.5
67.5°	102.6	103.4	103.9	104.1	103.9	103.4	102.6	101.4	99.8	98.0	95.8
65°	138.4	140.4	141.5	141.9	141.5	140.4	138.4	135.8	132.3	128.2	123.3
62.5°	354.3	367.7	375.7	378.4	375.7	367.7	354.3	335.6	311.7	282.7	248.6
60°	386.7	387.3	387.7	387.8	387.7	387.3	386.7	385.9	384.9	383.6	382.1
57.5°	396.1	396.8	397.2	397.3	397.2	396.8	396.1	395.2	394.0	392.6	390.9
55°	470.7	477.2	481.1	482.4	481.1	477.2	470.7	461.7	450.2	436.2	419.9
52.5°	579.0	588.4	594.1	596.0	594.1	588.4	579.0	565.8	549.0	528.6	504.7
50°	730.4	745.0	753.9	756.8	753.9	745.0	730.4	710.1	684.1	652.7	615.9
47.5°	865.5	878.6	886.6	889.2	886.6	878.6	865.5	847.2	823.9	795.8	762.9
45°	1018.6	1036.0	1046.5	1050.0	1046.5	1036.0	1018.6	994.4	963.6	926.5	884.2
42.5°	2293.5	2479.8	2592.2	2629.8	2592.2	2479.8	2293.5	2034.8	1706.0	1309.4	1029.5
40°	6522.4	7174.5	7568.4	7700.1	7568.4	7174.5	6522.4	5618.3	4470.5	3089.1	2273.3
37.5°	18480.3	20508.4	21734.6	22144.9	21734.6	20508.4	18480.3	15672.5	12114.7	7842.3	6013.5
35°	34240.0	36811.0	38367.3	38888.4	38367.3	36811.0	34240.0	30687.2	26195.4	20998.3	15640.0
32.5°	45973.1	47688.2	48728.0	49076.4	48728.0	47688.2	45973.1	43608.3	40626.8	35895.5	29165.0
30°	50654.4	51094.1	51361.1	51450.7	51361.1	51094.1	50654.4	50049.9	49290.3	46118.0	41676.8
27.5°	52480.3	52815.0	53018.8	53087.3	53018.8	52815.0	52480.3	52021.6	51446.3	50460.8	49337.2
25°	54065.3	54443.4	54674.4	54752.1	54674.4	54443.4	54065.3	53549.5	52910.5	52167.8	51270.1
22.5°	55947.8	56512.2	56858.5	56975.2	56858.5	56512.2	55947.8	55182.3	54365.6	53537.6	52614.5
20°	59012.8	60233.4	60986.6	61241.4	60986.6	60233.4	59012.8	57369.8	56131.8	54917.3	53861.8
17.5°	65097.1	68215.4	70155.3	70814.5	70155.3	68215.4	65097.1	61108.8	58866.9	56624.0	55149.4
15°	77298.3	85222.7	90212.1	91918.9	90212.1	85222.7	77298.3	69038.3	63411.5	59380.3	56624.0
12.5°	98583.9	117895.5	134484.5	141548.7	134484.5	117895.5	98583.9	83832.4	70404.9	63411.5	58866.9
10°	142213.8	191861.9	244883.1	264925.5	244883.1	191861.9	142213.8	105060.2	83832.4	69038.3	61108.8
7.5°	226021.2	362184.8	517139.7	594885.7	517139.7	362184.8	226021.2	142213.8	98583.9	77298.3	65097.1
5°	362184.8	678411.5	#####	#####	#####	678411.5	362184.8	191861.9	117895.5	85222.7	68215.4
2.5°	517139.7	#####	#####	#####	#####	#####	517139.7	244883.1	134484.5	90212.1	70155.3
0°	594885.7	#####	#####	#####	#####	#####	594885.7	264925.5	141548.7	91918.9	70814.5
-2.5°	517139.7	#####	#####	#####	#####	#####	517139.7	244883.1	134484.5	90212.1	70155.3
-5°	362184.8	678411.5	#####	#####	#####	678411.5	362184.8	191861.9	117895.5	85222.7	68215.4
-7.5°	226021.2	362184.8	517139.7	594885.7	517139.7	362184.8	226021.2	142213.8	98583.9	77298.3	65097.1
-10°	142213.8	191861.9	244883.1	264925.5	244883.1	191861.9	142213.8	105060.2	83832.4	69038.3	61108.8
-12.5°	98583.9	117895.5	134484.5	141548.7	134484.5	117895.5	98583.9	83832.4	70404.9	63411.5	58866.9
-15°	77298.3	85222.7	90212.1	91918.9	90212.1	85222.7	77298.3	69038.3	63411.5	59380.3	56624.0
-17.5°	65097.1	68215.4	70155.3	70814.5	70155.3	68215.4	65097.1	61108.8	58866.9	56624.0	55149.4
-20°	59012.8	60233.4	60986.6	61241.4	60986.6	60233.4	59012.8	57369.8	56131.8	54917.3	53861.8



REPORT NUMBER: P699921 (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°	55947.8	56512.2	56858.5	56975.2	56858.5	56512.2	55947.8	55182.3	54365.6	53537.6	52614.5
-25°	54065.3	54443.4	54674.4	54752.1	54674.4	54443.4	54065.3	53549.5	52910.5	52167.8	51270.1
-27.5°	52480.3	52815.0	53018.8	53087.3	53018.8	52815.0	52480.3	52021.6	51446.3	50460.8	49337.2
-30°	50654.4	51094.1	51361.1	51450.7	51361.1	51094.1	50654.4	50049.9	49290.3	46118.0	41676.8
-32.5°	45973.1	47688.2	48728.0	49076.4	48728.0	47688.2	45973.1	43608.3	40626.8	35895.5	29165.0
-35°	34240.0	36811.0	38367.3	38888.4	38367.3	36811.0	34240.0	30687.2	26195.4	20998.3	15640.0
-37.5°	18480.3	20508.4	21734.6	22144.9	21734.6	20508.4	18480.3	15672.5	12114.7	7842.3	6013.5
-40°	6522.4	7174.5	7568.4	7700.1	7568.4	7174.5	6522.4	5618.3	4470.5	3089.1	2273.3
-42.5°	2293.5	2479.8	2592.2	2629.8	2592.2	2479.8	2293.5	2034.8	1706.0	1309.4	1029.5
-45°	1018.6	1036.0	1046.5	1050.0	1046.5	1036.0	1018.6	994.4	963.6	926.5	884.2
-47.5°	865.5	878.6	886.6	889.2	886.6	878.6	865.5	847.2	823.9	795.8	762.9
-50°	730.4	745.0	753.9	756.8	753.9	745.0	730.4	710.1	684.1	652.7	615.9
-52.5°	579.0	588.4	594.1	596.0	594.1	588.4	579.0	565.8	549.0	528.6	504.7
-55°	470.7	477.2	481.1	482.4	481.1	477.2	470.7	461.7	450.2	436.2	419.9
-57.5°	396.1	396.8	397.2	397.3	397.2	396.8	396.1	395.2	394.0	392.6	390.9
-60°	386.7	387.3	387.7	387.8	387.7	387.3	386.7	385.9	384.9	383.6	382.1
-62.5°	354.3	367.7	375.7	378.4	375.7	367.7	354.3	335.6	311.7	282.7	248.6
-65°	138.4	140.4	141.5	141.9	141.5	140.4	138.4	135.8	132.3	128.2	123.3
-67.5°	102.6	103.4	103.9	104.1	103.9	103.4	102.6	101.4	99.8	98.0	95.8
-70°	84.4	84.8	85.0	85.1	85.0	84.8	84.4	83.9	83.2	82.4	81.5
-72.5°	74.5	75.2	75.6	75.7	75.6	75.2	74.5	73.6	72.5	71.1	69.4
-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°	46.9	47.1	47.3	47.3	47.3	47.1	46.9	46.6	46.2	45.7	45.1
-80°	37.5	37.7	37.8	37.8	37.8	37.7	37.5	37.2	36.9	36.5	36.0
-82.5°	28.2	28.3	28.4	28.4	28.4	28.3	28.2	28.0	27.7	27.4	27.1
-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



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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°	35.5	34.9	34.2	33.5	32.7	31.9	30.9	30.0	28.9	27.9	26.7
77.5°	44.4	43.6	42.8	41.9	40.9	39.8	38.6	37.4	36.1	34.7	33.3
75°	53.3	52.4	51.4	50.2	49.0	47.7	46.3	44.8	43.3	41.6	39.9
72.5°	67.5	65.3	63.0	60.4	57.5	55.6	54.0	52.2	50.4	48.5	46.5
70°	80.4	79.2	77.8	76.3	73.7	70.1	66.4	62.4	58.2	55.3	53.0
67.5°	93.3	90.5	87.3	84.5	82.7	80.7	78.6	76.4	72.3	67.3	62.1
65°	117.7	111.4	104.4	100.4	96.3	91.8	87.0	83.6	80.9	78.2	74.9
62.5°	209.6	165.7	138.0	129.5	120.3	110.4	102.0	96.4	90.5	84.7	81.6
60°	380.4	378.4	326.0	267.5	204.2	141.0	129.5	117.3	104.4	97.5	90.5
57.5°	389.0	386.9	384.6	382.0	379.3	326.0	247.1	163.8	131.4	116.8	102.8
55°	401.2	395.4	392.8	390.0	387.0	383.8	380.4	337.5	242.6	143.5	125.7
52.5°	478.8	456.0	430.8	403.5	394.7	391.2	387.5	383.6	379.5	299.7	188.9
50°	580.5	547.4	511.1	474.3	442.4	408.5	394.5	390.3	385.9	381.4	334.3
47.5°	718.8	668.1	612.4	564.9	519.1	473.4	434.8	397.0	392.2	387.3	382.3
45°	843.7	798.6	747.5	682.5	612.8	555.6	500.4	452.6	407.4	393.2	387.8
42.5°	976.2	917.1	858.9	801.4	736.2	657.0	580.2	518.6	461.6	411.9	393.2
40°	1708.3	1082.1	983.7	908.7	839.5	769.8	683.9	592.7	524.7	461.6	407.4
37.5°	4055.1	2399.4	1665.4	1032.4	947.0	862.6	785.0	692.9	592.7	518.6	452.6
35°	9615.7	6042.5	3515.3	2062.2	1167.9	966.3	870.4	785.0	683.9	580.2	500.4
32.5°	21696.9	14556.5	7398.3	4507.5	2263.2	1265.8	966.3	862.6	769.8	657.0	555.6
30°	35329.8	26430.9	17580.9	8799.0	4841.2	2263.2	1167.9	947.0	839.5	736.2	612.8
27.5°	44845.5	39026.5	28873.2	18599.4	8799.0	4507.5	2062.2	1032.4	908.7	801.4	682.5
25°	49923.2	46460.6	39803.5	28873.2	17580.9	7398.3	3515.3	1665.4	983.7	858.9	747.5
22.5°	51611.6	50121.4	46460.6	39026.5	26430.9	14556.5	6042.5	2399.4	1082.1	917.1	798.6
20°	52765.9	51611.6	49923.2	44845.5	35329.8	21696.9	9615.7	4055.1	1708.3	976.2	843.7
17.5°	53861.8	52614.5	51270.1	49337.2	41676.8	29165.0	15640.0	6013.5	2273.3	1029.5	884.2
15°	54917.3	53537.6	52167.8	50460.8	46118.0	35895.5	20998.3	7842.3	3089.1	1309.4	926.5
12.5°	56131.8	54365.6	52910.5	51446.3	49290.3	40626.8	26195.4	12114.7	4470.5	1706.0	963.6
10°	57369.8	55182.3	53549.5	52021.6	50049.9	43608.3	30687.2	15672.5	5618.3	2034.8	994.4
7.5°	59012.8	55947.8	54065.3	52480.3	50654.4	45973.1	34240.0	18480.3	6522.4	2293.5	1018.6
5°	60233.4	56512.2	54443.4	52815.0	51094.1	47688.2	36811.0	20508.4	7174.5	2479.8	1036.0
2.5°	60986.6	56858.5	54674.4	53018.8	51361.1	48728.0	38367.3	21734.6	7568.4	2592.2	1046.5
0°	61241.4	56975.2	54752.1	53087.3	51450.7	49076.4	38888.4	22144.9	7700.1	2629.8	1050.0
-2.5°	60986.6	56858.5	54674.4	53018.8	51361.1	48728.0	38367.3	21734.6	7568.4	2592.2	1046.5
-5°	60233.4	56512.2	54443.4	52815.0	51094.1	47688.2	36811.0	20508.4	7174.5	2479.8	1036.0
-7.5°	59012.8	55947.8	54065.3	52480.3	50654.4	45973.1	34240.0	18480.3	6522.4	2293.5	1018.6
-10°	57369.8	55182.3	53549.5	52021.6	50049.9	43608.3	30687.2	15672.5	5618.3	2034.8	994.4
-12.5°	56131.8	54365.6	52910.5	51446.3	49290.3	40626.8	26195.4	12114.7	4470.5	1706.0	963.6
-15°	54917.3	53537.6	52167.8	50460.8	46118.0	35895.5	20998.3	7842.3	3089.1	1309.4	926.5
-17.5°	53861.8	52614.5	51270.1	49337.2	41676.8	29165.0	15640.0	6013.5	2273.3	1029.5	884.2
-20°	52765.9	51611.6	49923.2	44845.5	35329.8	21696.9	9615.7	4055.1	1708.3	976.2	843.7



REPORT NUMBER: P699921 (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°	51611.6	50121.4	46460.6	39026.5	26430.9	14556.5	6042.5	2399.4	1082.1	917.1	798.6
-25°	49923.2	46460.6	39803.5	28873.2	17580.9	7398.3	3515.3	1665.4	983.7	858.9	747.5
-27.5°	44845.5	39026.5	28873.2	18599.4	8799.0	4507.5	2062.2	1032.4	908.7	801.4	682.5
-30°	35329.8	26430.9	17580.9	8799.0	4841.2	2263.2	1167.9	947.0	839.5	736.2	612.8
-32.5°	21696.9	14556.5	7398.3	4507.5	2263.2	1265.8	966.3	862.6	769.8	657.0	555.6
-35°	9615.7	6042.5	3515.3	2062.2	1167.9	966.3	870.4	785.0	683.9	580.2	500.4
-37.5°	4055.1	2399.4	1665.4	1032.4	947.0	862.6	785.0	692.9	592.7	518.6	452.6
-40°	1708.3	1082.1	983.7	908.7	839.5	769.8	683.9	592.7	524.7	461.6	407.4
-42.5°	976.2	917.1	858.9	801.4	736.2	657.0	580.2	518.6	461.6	411.9	393.2
-45°	843.7	798.6	747.5	682.5	612.8	555.6	500.4	452.6	407.4	393.2	387.8
-47.5°	718.8	668.1	612.4	564.9	519.1	473.4	434.8	397.0	392.2	387.3	382.3
-50°	580.5	547.4	511.1	474.3	442.4	408.5	394.5	390.3	385.9	381.4	334.3
-52.5°	478.8	456.0	430.8	403.5	394.7	391.2	387.5	383.6	379.5	299.7	188.9
-55°	401.2	395.4	392.8	390.0	387.0	383.8	380.4	337.5	242.6	143.5	125.7
-57.5°	389.0	386.9	384.6	382.0	379.3	326.0	247.1	163.8	131.4	116.8	102.8
-60°	380.4	378.4	326.0	267.5	204.2	141.0	129.5	117.3	104.4	97.5	90.5
-62.5°	209.6	165.7	138.0	129.5	120.3	110.4	102.0	96.4	90.5	84.7	81.6
-65°	117.7	111.4	104.4	100.4	96.3	91.8	87.0	83.6	80.9	78.2	74.9
-67.5°	93.3	90.5	87.3	84.5	82.7	80.7	78.6	76.4	72.3	67.3	62.1
-70°	80.4	79.2	77.8	76.3	73.7	70.1	66.4	62.4	58.2	55.3	53.0
-72.5°	67.5	65.3	63.0	60.4	57.5	55.6	54.0	52.2	50.4	48.5	46.5
-75°	53.3	52.4	51.4	50.2	49.0	47.7	46.3	44.8	43.3	41.6	39.9
-77.5°	44.4	43.6	42.8	41.9	40.9	39.8	38.6	37.4	36.1	34.7	33.3
-80°	35.5	34.9	34.2	33.5	32.7	31.9	30.9	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





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 CATALOG NUMBER: EPH-LS-16-1200L-57-80-1R-S

**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°	31.8	30.3	28.7	27.0	25.3	23.5	21.7	19.8	18.0	16.1	14.1
75°	38.1	36.2	34.3	32.3	30.3	28.2	26.0	23.8	21.5	19.2	16.9
72.5°	44.3	42.2	39.9	37.5	35.2	32.7	30.2	27.6	25.0	22.3	19.6
70°	50.6	48.1	45.5	42.8	40.0	37.2	34.4	31.4	28.5	25.4	22.3
67.5°	56.7	53.9	51.0	48.0	44.9	41.7	38.5	35.2	31.9	28.5	25.0
65°	68.8	62.6	56.5	53.1	49.7	46.2	42.6	38.9	35.2	31.4	27.6
62.5°	78.2	73.9	66.8	59.5	54.4	50.5	46.6	42.6	38.5	34.4	30.2
60°	84.1	80.4	76.5	69.4	61.2	54.8	50.5	46.2	41.7	37.2	32.7
57.5°	94.9	86.7	81.7	77.4	70.3	61.2	54.4	49.7	44.9	40.0	35.2
55°	108.6	97.5	88.4	82.1	77.4	69.4	59.5	53.1	48.0	42.8	37.5
52.5°	131.1	112.2	98.4	88.4	81.7	76.5	66.8	56.5	51.0	45.5	39.9
50°	211.7	132.9	112.2	97.5	86.7	80.4	73.9	62.6	53.9	48.1	42.2
47.5°	345.9	211.7	131.1	108.6	94.9	84.1	78.2	68.8	56.7	50.6	44.3
45°	382.3	334.3	188.9	125.7	102.8	90.5	81.6	74.9	62.1	53.0	46.5
42.5°	387.3	381.4	299.7	143.5	116.8	97.5	84.7	78.2	67.3	55.3	48.5
40°	392.2	385.9	379.5	242.6	131.4	104.4	90.5	80.9	72.3	58.2	50.4
37.5°	397.0	390.3	383.6	337.5	163.8	117.3	96.4	83.6	76.4	62.4	52.2
35°	434.8	394.5	387.5	380.4	247.1	129.5	102.0	87.0	78.6	66.4	54.0
32.5°	473.4	408.5	391.2	383.8	326.0	141.0	110.4	91.8	80.7	70.1	55.6
30°	519.1	442.4	394.7	387.0	379.3	204.2	120.3	96.3	82.7	73.7	57.5
27.5°	564.9	474.3	403.5	390.0	382.0	267.5	129.5	100.4	84.5	76.3	60.4
25°	612.4	511.1	430.8	392.8	384.6	326.0	138.0	104.4	87.3	77.8	63.0
22.5°	668.1	547.4	456.0	395.4	386.9	378.4	165.7	111.4	90.5	79.2	65.3
20°	718.8	580.5	478.8	401.2	389.0	380.4	209.6	117.7	93.3	80.4	67.5
17.5°	762.9	615.9	504.7	419.9	390.9	382.1	248.6	123.3	95.8	81.5	69.4
15°	795.8	652.7	528.6	436.2	392.6	383.6	282.7	128.2	98.0	82.4	71.1
12.5°	823.9	684.1	549.0	450.2	394.0	384.9	311.7	132.3	99.8	83.2	72.5
10°	847.2	710.1	565.8	461.7	395.2	385.9	335.6	135.8	101.4	83.9	73.6
7.5°	865.5	730.4	579.0	470.7	396.1	386.7	354.3	138.4	102.6	84.4	74.5
5°	878.6	745.0	588.4	477.2	396.8	387.3	367.7	140.4	103.4	84.8	75.2
2.5°	886.6	753.9	594.1	481.1	397.2	387.7	375.7	141.5	103.9	85.0	75.6
0°	889.2	756.8	596.0	482.4	397.3	387.8	378.4	141.9	104.1	85.1	75.7
-2.5°	886.6	753.9	594.1	481.1	397.2	387.7	375.7	141.5	103.9	85.0	75.6
-5°	878.6	745.0	588.4	477.2	396.8	387.3	367.7	140.4	103.4	84.8	75.2
-7.5°	865.5	730.4	579.0	470.7	396.1	386.7	354.3	138.4	102.6	84.4	74.5
-10°	847.2	710.1	565.8	461.7	395.2	385.9	335.6	135.8	101.4	83.9	73.6
-12.5°	823.9	684.1	549.0	450.2	394.0	384.9	311.7	132.3	99.8	83.2	72.5
-15°	795.8	652.7	528.6	436.2	392.6	383.6	282.7	128.2	98.0	82.4	71.1
-17.5°	762.9	615.9	504.7	419.9	390.9	382.1	248.6	123.3	95.8	81.5	69.4
-20°	718.8	580.5	478.8	401.2	389.0	380.4	209.6	117.7	93.3	80.4	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°	668.1	547.4	456.0	395.4	386.9	378.4	165.7	111.4	90.5	79.2	65.3
-25°	612.4	511.1	430.8	392.8	384.6	326.0	138.0	104.4	87.3	77.8	63.0
-27.5°	564.9	474.3	403.5	390.0	382.0	267.5	129.5	100.4	84.5	76.3	60.4
-30°	519.1	442.4	394.7	387.0	379.3	204.2	120.3	96.3	82.7	73.7	57.5
-32.5°	473.4	408.5	391.2	383.8	326.0	141.0	110.4	91.8	80.7	70.1	55.6
-35°	434.8	394.5	387.5	380.4	247.1	129.5	102.0	87.0	78.6	66.4	54.0
-37.5°	397.0	390.3	383.6	337.5	163.8	117.3	96.4	83.6	76.4	62.4	52.2
-40°	392.2	385.9	379.5	242.6	131.4	104.4	90.5	80.9	72.3	58.2	50.4
-42.5°	387.3	381.4	299.7	143.5	116.8	97.5	84.7	78.2	67.3	55.3	48.5
-45°	382.3	334.3	188.9	125.7	102.8	90.5	81.6	74.9	62.1	53.0	46.5
-47.5°	345.9	211.7	131.1	108.6	94.9	84.1	78.2	68.8	56.7	50.6	44.3
-50°	211.7	132.9	112.2	97.5	86.7	80.4	73.9	62.6	53.9	48.1	42.2
-52.5°	131.1	112.2	98.4	88.4	81.7	76.5	66.8	56.5	51.0	45.5	39.9
-55°	108.6	97.5	88.4	82.1	77.4	69.4	59.5	53.1	48.0	42.8	37.5
-57.5°	94.9	86.7	81.7	77.4	70.3	61.2	54.4	49.7	44.9	40.0	35.2
-60°	84.1	80.4	76.5	69.4	61.2	54.8	50.5	46.2	41.7	37.2	32.7
-62.5°	78.2	73.9	66.8	59.5	54.4	50.5	46.6	42.6	38.5	34.4	30.2
-65°	68.8	62.6	56.5	53.1	49.7	46.2	42.6	38.9	35.2	31.4	27.6
-67.5°	56.7	53.9	51.0	48.0	44.9	41.7	38.5	35.2	31.9	28.5	25.0
-70°	50.6	48.1	45.5	42.8	40.0	37.2	34.4	31.4	28.5	25.4	22.3
-72.5°	44.3	42.2	39.9	37.5	35.2	32.7	30.2	27.6	25.0	22.3	19.6
-75°	38.1	36.2	34.3	32.3	30.3	28.2	26.0	23.8	21.5	19.2	16.9
-77.5°	31.8	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°	36.2	30.3	24.3	18.2	12.2	6.1	0.0
47.5°	38.1	31.8	25.5	19.1	12.8	6.4	0.0
45°	39.9	33.3	26.7	20.0	13.4	6.7	0.0
42.5°	41.6	34.7	27.9	20.9	14.0	7.0	0.0
40°	43.3	36.1	28.9	21.7	14.5	7.3	0.0
37.5°	44.8	37.4	30.0	22.5	15.0	7.5	0.0
35°	46.3	38.6	30.9	23.2	15.5	7.8	0.0
32.5°	47.7	39.8	31.9	23.9	15.9	8.0	0.0
30°	49.0	40.9	32.7	24.6	16.4	8.2	0.0
27.5°	50.2	41.9	33.5	25.2	16.8	8.4	0.0
25°	51.4	42.8	34.2	25.7	17.1	8.6	0.0
22.5°	52.4	43.6	34.9	26.2	17.5	8.8	0.0
20°	53.3	44.4	35.5	26.7	17.8	8.9	0.0
17.5°	54.1	45.1	36.0	27.1	18.0	9.1	0.0
15°	54.8	45.7	36.5	27.4	18.3	9.2	0.0
12.5°	55.4	46.2	36.9	27.7	18.5	9.3	0.0
10°	55.9	46.6	37.2	28.0	18.6	9.4	0.0
7.5°	56.3	46.9	37.5	28.2	18.7	9.4	0.0
5°	56.6	47.1	37.7	28.3	18.8	9.5	0.0
2.5°	56.7	47.3	37.8	28.4	18.9	9.5	0.0
0°	56.8	47.3	37.8	28.4	18.9	9.5	0.0
-2.5°	56.7	47.3	37.8	28.4	18.9	9.5	0.0
-5°	56.6	47.1	37.7	28.3	18.8	9.5	0.0
-7.5°	56.3	46.9	37.5	28.2	18.7	9.4	0.0
-10°	55.9	46.6	37.2	28.0	18.6	9.4	0.0
-12.5°	55.4	46.2	36.9	27.7	18.5	9.3	0.0
-15°	54.8	45.7	36.5	27.4	18.3	9.2	0.0
-17.5°	54.1	45.1	36.0	27.1	18.0	9.1	0.0
-20°	53.3	44.4	35.5	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	43.6	34.9	26.2	17.5	8.8	0.0
-25°	51.4	42.8	34.2	25.7	17.1	8.6	0.0
-27.5°	50.2	41.9	33.5	25.2	16.8	8.4	0.0
-30°	49.0	40.9	32.7	24.6	16.4	8.2	0.0
-32.5°	47.7	39.8	31.9	23.9	15.9	8.0	0.0
-35°	46.3	38.6	30.9	23.2	15.5	7.8	0.0
-37.5°	44.8	37.4	30.0	22.5	15.0	7.5	0.0
-40°	43.3	36.1	28.9	21.7	14.5	7.3	0.0
-42.5°	41.6	34.7	27.9	20.9	14.0	7.0	0.0
-45°	39.9	33.3	26.7	20.0	13.4	6.7	0.0
-47.5°	38.1	31.8	25.5	19.1	12.8	6.4	0.0
-50°	36.2	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)