

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: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-80-2R-A**

Issue Date: 2/3/2026

**Test Information**

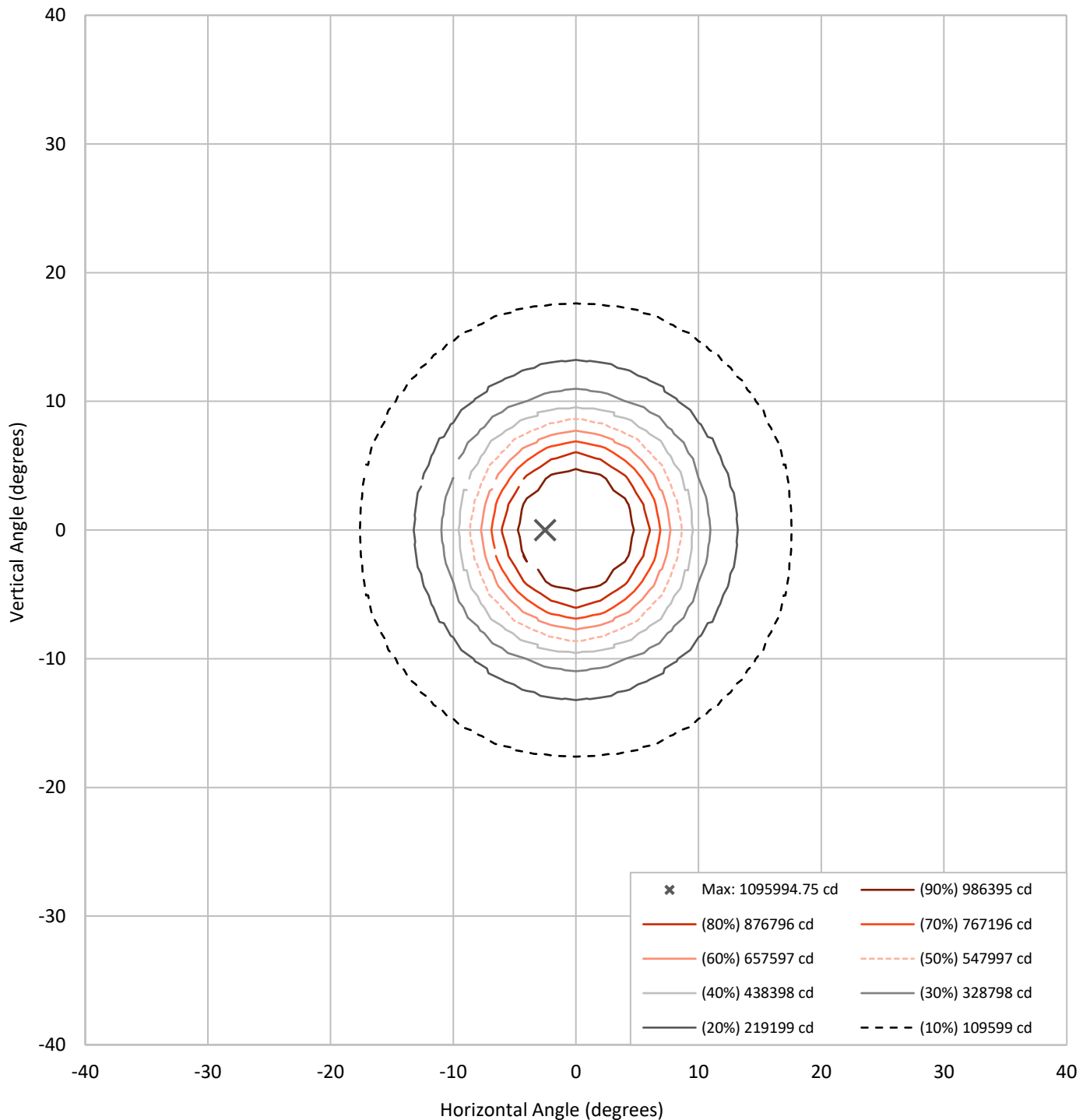
Test Method: LM-79-08  
Report Number: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200R-57-80-2R-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 2R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	173653.2 lumens	Max Intensity:	1095994.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	142.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	17.3°H x 16.4°V	Field Angle (10%):	34.8°H x 34.6°V
Beam Lumens:	54194.8 lumens	Field Lumens:	110832.8 lumens
Beam Efficiency:	31.2%	Field Efficiency:	63.8%
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





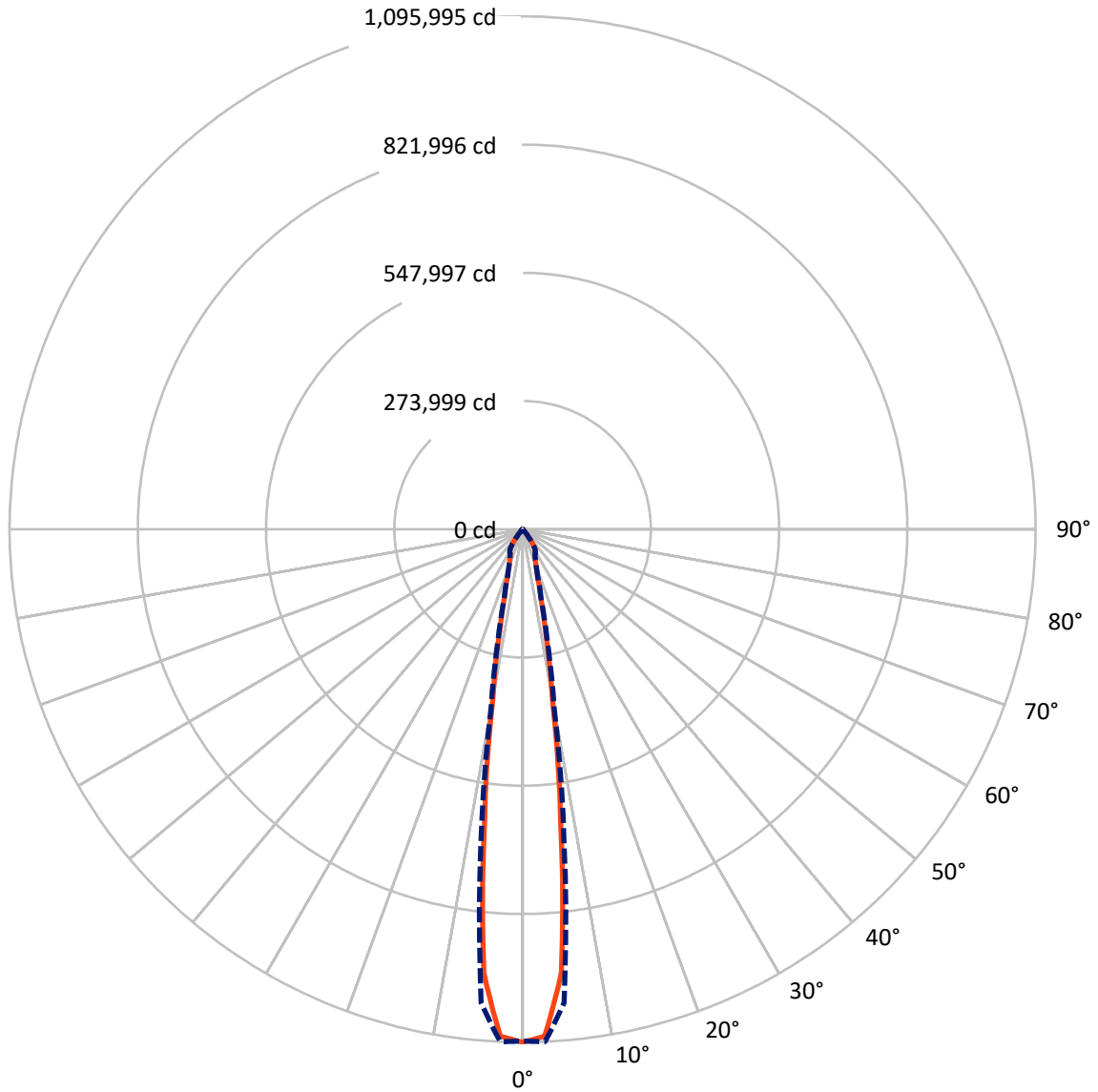
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### Lumen Table

90	0.3	1.3		2.8		4.1		4.7		4.1		2.8		1.3		0.3
80	0.3	1.3		2.8		4.1		4.7		4.1		2.8		1.3		0.3
70	0.5	0.5	0.9	1.5	2.2	3.6	5.3	6.2	6.2	5.3	3.6	2.2	1.5	0.9	0.5	0.5
60		0.7	1.4	3.5	7.8	11.1	13.6	15.0	15.0	13.6	11.1	7.8	3.5	1.4	0.7	
50	0.8	0.9	2.9	8.1	12.7	20.9	46.1	81.2	81.2	46.1	20.9	12.7	8.1	2.9	0.9	0.8
40		1.1	5.5	11.0	29.1	209.7	668.3	1008.3	1008.3	668.3	209.7	29.1	11.0	5.5	1.1	
30	1.0	1.8	7.1	16.4	191.8	986.0	1626.7	1938.5	1938.5	1626.7	986.0	191.8	16.4	7.1	1.8	1.0
20		2.4	8.1	34.6	575.2	1528.5	2464.2	4690.1	4690.1	2464.2	1528.5	575.2	34.6	8.1	2.4	
10	1.1	2.8	8.7	59.8	840.0	1767.9	4566.7	19903.4	19903.4	4566.7	1767.9	840.0	59.8	8.7	2.8	1.1
0		2.8	8.7	59.8	840.0	1767.9	4566.7	19903.4	19903.4	4566.7	1767.9	840.0	59.8	8.7	2.8	
-10	1.0	2.4	8.1	34.6	575.2	1528.5	2464.2	4690.1	4690.1	2464.2	1528.5	575.2	34.6	8.1	2.4	1.0
-20		1.8	7.1	16.4	191.8	986.0	1626.7	1938.5	1938.5	1626.7	986.0	191.8	16.4	7.1	1.8	
-30	0.8	1.1	5.5	11.0	29.1	209.7	668.3	1008.3	1008.3	668.3	209.7	29.1	11.0	5.5	1.1	0.8
-40		0.9	2.9	8.1	12.7	20.9	46.1	81.2	81.2	46.1	20.9	12.7	8.1	2.9	0.9	
-50	0.5	0.7	1.4	3.5	7.8	11.1	13.6	15.0	15.0	13.6	11.1	7.8	3.5	1.4	0.7	0.5
-60		0.5	0.9	1.5	2.2	3.6	5.3	6.2	6.2	5.3	3.6	2.2	1.5	0.9	0.5	
-70	0.3	1.3		2.8		4.1		4.7		4.1		2.8		1.3		0.3
-80		1.3		2.8		4.1		4.7		4.1		2.8		1.3		
-90	0.3	1.3		2.8		4.1		4.7		4.1		2.8		1.3		0.3

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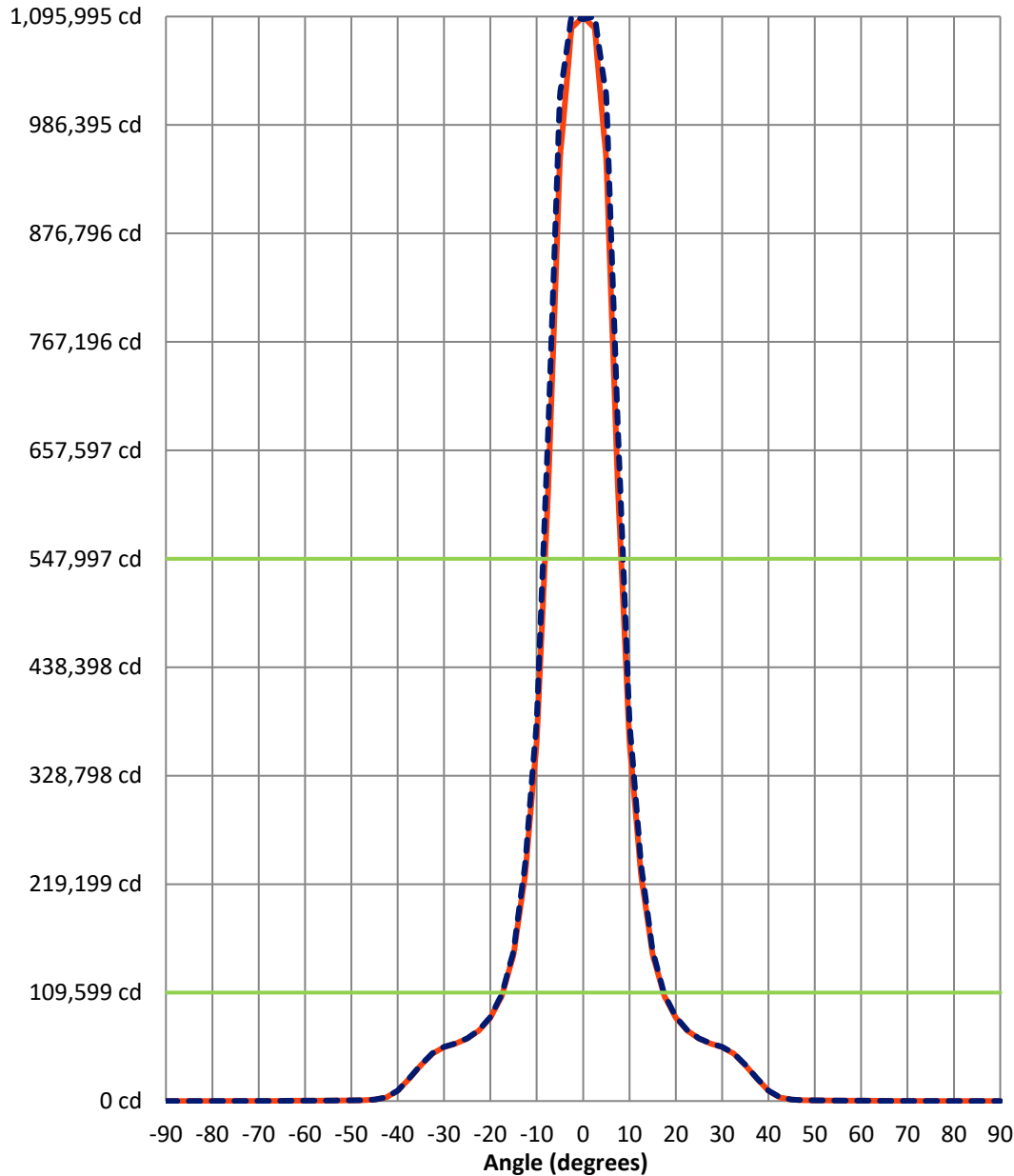
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 17.3°  
 V Angle: 16.4°  
 Lumens: 54194.8  
 Efficiency: 31.2%

**Field:**  
 H Angle: 34.8°  
 V Angle: 34.6°  
 Lumens: 110832.8  
 Efficiency: 63.8%

**Spill:**  
 Lumens: 62820.4  
 Efficiency: 36.2%

— Vertical Distribution through -2.5-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	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.1	7.9
85°	0.0	1.6	3.2	4.8	6.5	8.0	9.6	11.2	12.7	14.2	15.7
82.5°	0.0	2.4	4.8	7.3	9.7	12.0	14.4	16.7	18.6	18.6	18.6
80°	0.0	3.2	6.5	9.7	12.9	16.0	18.6	18.6	18.6	18.6	18.6
77.5°	0.0	4.0	8.0	12.0	16.0	18.6	18.6	18.6	18.6	18.6	19.5
75°	0.0	4.8	9.6	14.4	18.6	18.6	18.6	18.6	18.9	21.1	23.4
72.5°	0.0	5.6	11.2	16.7	18.6	18.6	18.6	19.3	22.0	24.6	27.2
70°	0.0	6.4	12.7	18.6	18.6	18.6	18.9	22.0	25.0	28.0	30.9
67.5°	0.0	7.1	14.2	18.6	18.6	18.6	21.1	24.6	28.0	31.3	34.6
65°	0.0	7.9	15.7	18.6	18.6	19.5	23.4	27.2	30.9	34.6	38.3
62.5°	0.0	8.6	17.2	18.6	18.6	21.3	25.5	29.7	33.8	37.9	41.9
60°	0.0	9.3	18.6	18.6	18.6	23.1	27.7	32.2	36.6	41.0	45.4
57.5°	0.0	10.0	18.6	18.6	19.9	24.8	29.7	34.6	39.4	44.1	48.8
55°	0.0	10.7	18.6	18.6	21.3	26.5	31.8	36.9	42.1	47.2	52.2
52.5°	0.0	11.3	18.6	18.6	22.6	28.2	33.7	39.2	44.7	50.1	55.5
50°	0.0	12.0	18.6	18.6	23.8	29.7	35.6	41.5	47.2	53.0	58.6
47.5°	0.0	12.6	18.6	18.8	25.1	31.3	37.5	43.6	49.7	55.7	61.7
45°	0.0	13.2	18.6	19.7	26.2	32.7	39.2	45.7	52.1	58.4	64.7
42.5°	0.0	13.7	18.6	20.5	27.4	34.2	40.9	47.6	54.3	61.0	70.0
40°	0.0	14.2	18.6	21.3	28.4	35.5	42.5	49.5	56.5	63.4	75.5
37.5°	0.0	14.8	18.6	22.1	29.5	36.8	44.1	51.3	58.6	66.4	80.7
35°	0.0	15.2	18.6	22.8	30.4	38.0	45.5	53.0	60.5	70.9	84.7
32.5°	0.0	15.7	18.6	23.5	31.3	39.1	46.9	54.7	62.4	75.0	87.1
30°	0.0	16.1	18.6	24.1	32.2	40.2	48.2	56.2	64.1	79.0	89.3
27.5°	0.0	16.5	18.6	24.7	33.0	41.2	49.4	57.5	66.3	82.6	91.3
25°	0.0	16.9	18.6	25.3	33.7	42.1	50.5	58.8	69.3	84.9	93.6
22.5°	0.0	17.2	18.6	25.8	34.3	42.9	51.5	60.0	72.0	86.4	103.9
20°	0.0	17.5	18.6	26.2	34.9	43.7	52.4	61.1	74.4	87.8	113.2
17.5°	0.0	17.7	18.6	26.6	35.5	44.3	53.2	62.0	76.6	89.0	121.4
15°	0.0	18.0	18.6	26.9	35.9	44.9	53.9	62.8	78.5	90.1	128.7
12.5°	0.0	18.2	18.6	27.2	36.3	45.4	54.4	63.5	80.1	91.0	134.8
10°	0.0	18.3	18.6	27.5	36.6	45.8	54.9	64.1	81.4	91.8	139.9
7.5°	0.0	18.4	18.6	27.7	36.9	46.1	55.3	64.5	82.5	92.3	143.8
5°	0.0	18.5	18.6	27.8	37.1	46.3	55.6	64.8	83.2	92.8	146.6
2.5°	0.0	18.6	18.6	27.9	37.2	46.5	55.7	65.0	83.7	93.0	148.3
0°	0.0	18.6	18.6	27.9	37.2	46.5	55.7	65.0	83.7	93.0	148.3
-2.5°	0.0	18.6	18.6	27.9	37.2	46.5	55.7	65.0	83.7	93.0	148.3
-5°	0.0	18.5	18.6	27.8	37.1	46.3	55.6	64.8	83.2	92.8	146.6
-7.5°	0.0	18.4	18.6	27.7	36.9	46.1	55.3	64.5	82.5	92.3	143.8
-10°	0.0	18.3	18.6	27.5	36.6	45.8	54.9	64.1	81.4	91.8	139.9
-12.5°	0.0	18.2	18.6	27.2	36.3	45.4	54.4	63.5	80.1	91.0	134.8
-15°	0.0	18.0	18.6	26.9	35.9	44.9	53.9	62.8	78.5	90.1	128.7
-17.5°	0.0	17.7	18.6	26.6	35.5	44.3	53.2	62.0	76.6	89.0	121.4
-20°	0.0	17.5	18.6	26.2	34.9	43.7	52.4	61.1	74.4	87.8	113.2



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 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.2	18.6	25.8	34.3	42.9	51.5	60.0	72.0	86.4	103.9
-25°	0.0	16.9	18.6	25.3	33.7	42.1	50.5	58.8	69.3	84.9	93.6
-27.5°	0.0	16.5	18.6	24.7	33.0	41.2	49.4	57.5	66.3	82.6	91.3
-30°	0.0	16.1	18.6	24.1	32.2	40.2	48.2	56.2	64.1	79.0	89.3
-32.5°	0.0	15.7	18.6	23.5	31.3	39.1	46.9	54.7	62.4	75.0	87.1
-35°	0.0	15.2	18.6	22.8	30.4	38.0	45.5	53.0	60.5	70.9	84.7
-37.5°	0.0	14.8	18.6	22.1	29.5	36.8	44.1	51.3	58.6	66.4	80.7
-40°	0.0	14.2	18.6	21.3	28.4	35.5	42.5	49.5	56.5	63.4	75.5
-42.5°	0.0	13.7	18.6	20.5	27.4	34.2	40.9	47.6	54.3	61.0	70.0
-45°	0.0	13.2	18.6	19.7	26.2	32.7	39.2	45.7	52.1	58.4	64.7
-47.5°	0.0	12.6	18.6	18.8	25.1	31.3	37.5	43.6	49.7	55.7	61.7
-50°	0.0	12.0	18.6	18.6	23.8	29.7	35.6	41.5	47.2	53.0	58.6
-52.5°	0.0	11.3	18.6	18.6	22.6	28.2	33.7	39.2	44.7	50.1	55.5
-55°	0.0	10.7	18.6	18.6	21.3	26.5	31.8	36.9	42.1	47.2	52.2
-57.5°	0.0	10.0	18.6	18.6	19.9	24.8	29.7	34.6	39.4	44.1	48.8
-60°	0.0	9.3	18.6	18.6	18.6	23.1	27.7	32.2	36.6	41.0	45.4
-62.5°	0.0	8.6	17.2	18.6	18.6	21.3	25.5	29.7	33.8	37.9	41.9
-65°	0.0	7.9	15.7	18.6	18.6	19.5	23.4	27.2	30.9	34.6	38.3
-67.5°	0.0	7.1	14.2	18.6	18.6	18.6	21.1	24.6	28.0	31.3	34.6
-70°	0.0	6.4	12.7	18.6	18.6	18.6	18.9	22.0	25.0	28.0	30.9
-72.5°	0.0	5.6	11.2	16.7	18.6	18.6	18.6	19.3	22.0	24.6	27.2
-75°	0.0	4.8	9.6	14.4	18.6	18.6	18.6	18.6	18.9	21.1	23.4
-77.5°	0.0	4.0	8.0	12.0	16.0	18.6	18.6	18.6	18.6	18.6	19.5
-80°	0.0	3.2	6.5	9.7	12.9	16.0	18.6	18.6	18.6	18.6	18.6
-82.5°	0.0	2.4	4.8	7.3	9.7	12.0	14.4	16.7	18.6	18.6	18.6
-85°	0.0	1.6	3.2	4.8	6.5	8.0	9.6	11.2	12.7	14.2	15.7
-87.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.1	7.9
-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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 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.6	9.3	10.0	10.7	11.3	12.0	12.6	13.2	13.7	14.2	14.8
85°	17.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	18.6	18.6	18.6	18.6	18.6	18.6	18.8	19.7	20.5	21.3	22.1
80°	18.6	18.6	19.9	21.3	22.6	23.8	25.1	26.2	27.4	28.4	29.5
77.5°	21.3	23.1	24.8	26.5	28.2	29.7	31.3	32.7	34.2	35.5	36.8
75°	25.5	27.7	29.7	31.8	33.7	35.6	37.5	39.2	40.9	42.5	44.1
72.5°	29.7	32.2	34.6	36.9	39.2	41.5	43.6	45.7	47.6	49.5	51.3
70°	33.8	36.6	39.4	42.1	44.7	47.2	49.7	52.1	54.3	56.5	58.6
67.5°	37.9	41.0	44.1	47.2	50.1	53.0	55.7	58.4	61.0	63.4	66.4
65°	41.9	45.4	48.8	52.2	55.5	58.6	61.7	64.7	70.0	75.5	80.7
62.5°	45.8	49.7	53.4	57.1	60.7	64.2	70.2	76.7	83.1	86.5	89.3
60°	49.7	53.9	58.0	62.0	66.8	74.4	81.9	86.4	89.9	93.6	112.5
57.5°	53.4	58.0	62.4	68.5	77.0	84.6	88.6	92.5	111.8	133.4	168.7
55°	57.1	62.0	68.5	77.9	85.4	89.9	99.8	125.0	150.3	240.1	326.0
52.5°	60.7	66.8	77.0	85.4	90.3	105.1	132.9	191.4	291.8	366.3	378.4
50°	64.2	74.4	84.6	89.9	105.1	135.6	212.1	323.1	371.8	385.3	393.4
47.5°	70.2	81.9	88.6	99.8	132.9	212.1	333.6	374.6	389.5	395.2	399.9
45°	76.7	86.4	92.5	125.0	191.4	323.1	374.6	390.9	396.2	409.1	448.5
42.5°	83.1	89.9	111.8	150.3	291.8	371.8	389.5	396.2	412.9	456.4	510.2
40°	86.5	93.6	133.4	240.1	366.3	385.3	395.2	409.1	456.4	516.2	583.0
37.5°	89.3	112.5	168.7	326.0	378.4	393.4	399.9	448.5	510.2	583.0	648.0
35°	92.1	130.6	244.1	368.9	389.9	397.5	433.0	492.3	570.8	642.3	714.5
32.5°	102.5	147.6	315.6	379.0	394.2	410.0	466.7	546.5	625.2	700.6	785.4
30°	117.0	205.3	365.6	388.5	397.7	439.7	510.7	597.0	675.6	764.2	1053.8
27.5°	130.6	262.6	373.7	393.1	405.6	467.5	555.8	641.4	729.4	892.3	1414.5
25°	143.1	315.6	381.3	395.8	429.5	502.8	596.8	682.8	782.0	1209.0	2333.8
22.5°	170.5	363.1	388.2	398.3	451.5	538.5	632.2	726.9	927.6	1533.1	3341.3
20°	210.2	368.9	392.1	403.6	471.4	571.0	664.5	768.1	1177.5	2392.8	5598.8
17.5°	245.5	373.9	394.0	419.9	496.6	599.0	694.3	805.2	1402.3	3168.2	8266.1
15°	276.4	378.4	395.6	434.2	520.0	622.4	724.3	967.2	1845.2	4283.2	10686.2
12.5°	302.6	382.2	397.0	446.5	540.1	642.4	750.0	1124.3	2389.5	6164.6	14380.3
10°	324.3	385.3	398.1	456.5	556.6	658.9	771.3	1254.3	2840.9	7727.9	17456.6
7.5°	341.2	387.7	399.0	464.4	569.5	671.9	788.0	1356.5	3195.9	8959.3	19884.4
5°	353.3	389.5	399.7	470.1	578.8	681.2	800.0	1430.0	3451.7	9847.4	21638.0
2.5°	360.6	390.5	400.1	473.5	584.4	686.8	807.3	1474.3	3606.0	10383.8	22698.2
0°	<b>363.0</b>	<b>390.9</b>	<b>400.2</b>	<b>474.6</b>	<b>586.3</b>	<b>688.7</b>	<b>809.7</b>	<b>1489.1</b>	<b>3657.6</b>	<b>10563.2</b>	<b>23053.0</b>
-2.5°	360.6	390.5	400.1	473.5	584.4	686.8	807.3	1474.3	3606.0	10383.8	22698.2
-5°	353.3	389.5	399.7	470.1	578.8	681.2	800.0	1430.0	3451.7	9847.4	21638.0
-7.5°	341.2	387.7	399.0	464.4	569.5	671.9	788.0	1356.5	3195.9	8959.3	19884.4
-10°	324.3	385.3	398.1	456.5	556.6	658.9	771.3	1254.3	2840.9	7727.9	17456.6
-12.5°	302.6	382.2	397.0	446.5	540.1	642.4	750.0	1124.3	2389.5	6164.6	14380.3
-15°	276.4	378.4	395.6	434.2	520.0	622.4	724.3	967.2	1845.2	4283.2	10686.2
-17.5°	245.5	373.9	394.0	419.9	496.6	599.0	694.3	805.2	1402.3	3168.2	8266.1
-20°	210.2	368.9	392.1	403.6	471.4	571.0	664.5	768.1	1177.5	2392.8	5598.8



REPORT NUMBER: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	170.5	363.1	388.2	398.3	451.5	538.5	632.2	726.9	927.6	1533.1	3341.3
-25°	143.1	315.6	381.3	395.8	429.5	502.8	596.8	682.8	782.0	1209.0	2333.8
-27.5°	130.6	262.6	373.7	393.1	405.6	467.5	555.8	641.4	729.4	892.3	1414.5
-30°	117.0	205.3	365.6	388.5	397.7	439.7	510.7	597.0	675.6	764.2	1053.8
-32.5°	102.5	147.6	315.6	379.0	394.2	410.0	466.7	546.5	625.2	700.6	785.4
-35°	92.1	130.6	244.1	368.9	389.9	397.5	433.0	492.3	570.8	642.3	714.5
-37.5°	89.3	112.5	168.7	326.0	378.4	393.4	399.9	448.5	510.2	583.0	648.0
-40°	86.5	93.6	133.4	240.1	366.3	385.3	395.2	409.1	456.4	516.2	583.0
-42.5°	83.1	89.9	111.8	150.3	291.8	371.8	389.5	396.2	412.9	456.4	510.2
-45°	76.7	86.4	92.5	125.0	191.4	323.1	374.6	390.9	396.2	409.1	448.5
-47.5°	70.2	81.9	88.6	99.8	132.9	212.1	333.6	374.6	389.5	395.2	399.9
-50°	64.2	74.4	84.6	89.9	105.1	135.6	212.1	323.1	371.8	385.3	393.4
-52.5°	60.7	66.8	77.0	85.4	90.3	105.1	132.9	191.4	291.8	366.3	378.4
-55°	57.1	62.0	68.5	77.9	85.4	89.9	99.8	125.0	150.3	240.1	326.0
-57.5°	53.4	58.0	62.4	68.5	77.0	84.6	88.6	92.5	111.8	133.4	168.7
-60°	49.7	53.9	58.0	62.0	66.8	74.4	81.9	86.4	89.9	93.6	112.5
-62.5°	45.8	49.7	53.4	57.1	60.7	64.2	70.2	76.7	83.1	86.5	89.3
-65°	41.9	45.4	48.8	52.2	55.5	58.6	61.7	64.7	70.0	75.5	80.7
-67.5°	37.9	41.0	44.1	47.2	50.1	53.0	55.7	58.4	61.0	63.4	66.4
-70°	33.8	36.6	39.4	42.1	44.7	47.2	49.7	52.1	54.3	56.5	58.6
-72.5°	29.7	32.2	34.6	36.9	39.2	41.5	43.6	45.7	47.6	49.5	51.3
-75°	25.5	27.7	29.7	31.8	33.7	35.6	37.5	39.2	40.9	42.5	44.1
-77.5°	21.3	23.1	24.8	26.5	28.2	29.7	31.3	32.7	34.2	35.5	36.8
-80°	18.6	18.6	19.9	21.3	22.6	23.8	25.1	26.2	27.4	28.4	29.5
-82.5°	18.6	18.6	18.6	18.6	18.6	18.6	18.8	19.7	20.5	21.3	22.1
-85°	17.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
-87.5°	8.6	9.3	10.0	10.7	11.3	12.0	12.6	13.2	13.7	14.2	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: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	15.2	15.7	16.1	16.5	16.9	17.2	17.5	17.7	18.0	18.2	18.3
85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	22.8	23.5	24.1	24.7	25.3	25.8	26.2	26.6	26.9	27.2	27.5
80°	30.4	31.3	32.2	33.0	33.7	34.3	34.9	35.5	35.9	36.3	36.6
77.5°	38.0	39.1	40.2	41.2	42.1	42.9	43.7	44.3	44.9	45.4	45.8
75°	45.5	46.9	48.2	49.4	50.5	51.5	52.4	53.2	53.9	54.4	54.9
72.5°	53.0	54.7	56.2	57.5	58.8	60.0	61.1	62.0	62.8	63.5	64.1
70°	60.5	62.4	64.1	66.3	69.3	72.0	74.4	76.6	78.5	80.1	81.4
67.5°	70.9	75.0	79.0	82.6	84.9	86.4	87.8	89.0	90.1	91.0	91.8
65°	84.7	87.1	89.3	91.3	93.6	103.9	113.2	121.4	128.7	134.8	139.9
62.5°	92.1	102.5	117.0	130.6	143.1	170.5	210.2	245.5	276.4	302.6	324.3
60°	130.6	147.6	205.3	262.6	315.6	363.1	368.9	373.9	378.4	382.2	385.3
57.5°	244.1	315.6	365.6	373.7	381.3	388.2	392.1	394.0	395.6	397.0	398.1
55°	368.9	379.0	388.5	393.1	395.8	398.3	403.6	419.9	434.2	446.5	456.5
52.5°	389.9	394.2	397.7	405.6	429.5	451.5	471.4	496.6	520.0	540.1	556.6
50°	397.5	410.0	439.7	467.5	502.8	538.5	571.0	599.0	622.4	642.4	658.9
47.5°	433.0	466.7	510.7	555.8	596.8	632.2	664.5	694.3	724.3	750.0	771.3
45°	492.3	546.5	597.0	641.4	682.8	726.9	768.1	805.2	967.2	1124.3	1254.3
42.5°	570.8	625.2	675.6	729.4	782.0	927.6	1177.5	1402.3	1845.2	2389.5	2840.9
40°	642.3	700.6	764.2	892.3	1209.0	1533.1	2392.8	3168.2	4283.2	6164.6	7727.9
37.5°	714.5	785.4	1053.8	1414.5	2333.8	3341.3	5598.8	8266.1	10686.2	14380.3	17456.6
35°	792.5	1135.5	1651.0	2878.5	4863.6	8305.6	12219.6	17428.5	22061.6	26335.6	29975.8
32.5°	1135.5	1785.3	3154.3	6215.0	10152.1	16491.7	22665.6	28742.2	34196.8	38612.1	42024.9
30°	1651.0	3154.3	6669.5	11513.4	19106.7	26526.5	33738.3	39813.9	44897.6	48864.0	50924.5
27.5°	2878.5	6215.0	11513.4	19987.4	28505.8	36780.4	43441.0	48991.3	52039.0	54712.2	55951.3
25°	4863.6	10152.1	19106.7	28505.8	37669.8	45289.6	50580.8	54234.2	56265.6	57862.1	59663.2
22.5°	8305.6	16491.7	26526.5	36780.4	45289.6	51118.3	55070.0	57225.7	59626.8	62172.4	64942.1
20°	12219.6	22665.6	33738.3	43441.0	50580.8	55070.0	57551.3	60623.5	63968.1	68432.0	72780.5
17.5°	17428.5	28742.2	39813.9	48991.3	54234.2	57225.7	60623.5	64821.4	70241.4	77515.9	84607.6
15°	22061.6	34196.8	44897.6	52039.0	56265.6	59626.8	63968.1	70241.4	79140.2	90290.9	103939.3
12.5°	26335.6	38612.1	48864.0	54712.2	57862.1	62172.4	68432.0	77515.9	90290.9	107254.2	135189.0
10°	29975.8	42024.9	50924.5	55951.3	59663.2	64942.1	72780.5	84607.6	103939.3	135189.0	176451.6
7.5°	32855.2	44731.7	52564.3	56937.3	61249.2	67755.9	77977.6	94379.4	121666.4	164364.2	240834.6
5°	34938.7	46694.8	53756.8	57656.8	62411.8	69830.4	81838.7	101943.2	138066.4	200265.7	307033.3
2.5°	36200.0	47885.0	54481.1	58094.9	63122.0	71103.1	84221.2	106648.9	148392.2	228806.4	364423.3
0°	<b>36622.3</b>	<b>48283.8</b>	<b>54724.1</b>	<b>58242.1</b>	<b>63360.9</b>	<b>71532.2</b>	<b>85027.1</b>	<b>108247.7</b>	<b>151924.6</b>	<b>239799.6</b>	<b>385591.0</b>
-2.5°	36200.0	47885.0	54481.1	58094.9	63122.0	71103.1	84221.2	106648.9	148392.2	228806.4	364423.3
-5°	34938.7	46694.8	53756.8	57656.8	62411.8	69830.4	81838.7	101943.2	138066.4	200265.7	307033.3
-7.5°	32855.2	44731.7	52564.3	56937.3	61249.2	67755.9	77977.6	94379.4	121666.4	164364.2	240834.6
-10°	29975.8	42024.9	50924.5	55951.3	59663.2	64942.1	72780.5	84607.6	103939.3	135189.0	176451.6
-12.5°	26335.6	38612.1	48864.0	54712.2	57862.1	62172.4	68432.0	77515.9	90290.9	107254.2	135189.0
-15°	22061.6	34196.8	44897.6	52039.0	56265.6	59626.8	63968.1	70241.4	79140.2	90290.9	103939.3
-17.5°	17428.5	28742.2	39813.9	48991.3	54234.2	57225.7	60623.5	64821.4	70241.4	77515.9	84607.6
-20°	12219.6	22665.6	33738.3	43441.0	50580.8	55070.0	57551.3	60623.5	63968.1	68432.0	72780.5



REPORT NUMBER: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8305.6	16491.7	26526.5	36780.4	45289.6	51118.3	55070.0	57225.7	59626.8	62172.4	64942.1
-25°	4863.6	10152.1	19106.7	28505.8	37669.8	45289.6	50580.8	54234.2	56265.6	57862.1	59663.2
-27.5°	2878.5	6215.0	11513.4	19987.4	28505.8	36780.4	43441.0	48991.3	52039.0	54712.2	55951.3
-30°	1651.0	3154.3	6669.5	11513.4	19106.7	26526.5	33738.3	39813.9	44897.6	48864.0	50924.5
-32.5°	1135.5	1785.3	3154.3	6215.0	10152.1	16491.7	22665.6	28742.2	34196.8	38612.1	42024.9
-35°	792.5	1135.5	1651.0	2878.5	4863.6	8305.6	12219.6	17428.5	22061.6	26335.6	29975.8
-37.5°	714.5	785.4	1053.8	1414.5	2333.8	3341.3	5598.8	8266.1	10686.2	14380.3	17456.6
-40°	642.3	700.6	764.2	892.3	1209.0	1533.1	2392.8	3168.2	4283.2	6164.6	7727.9
-42.5°	570.8	625.2	675.6	729.4	782.0	927.6	1177.5	1402.3	1845.2	2389.5	2840.9
-45°	492.3	546.5	597.0	641.4	682.8	726.9	768.1	805.2	967.2	1124.3	1254.3
-47.5°	433.0	466.7	510.7	555.8	596.8	632.2	664.5	694.3	724.3	750.0	771.3
-50°	397.5	410.0	439.7	467.5	502.8	538.5	571.0	599.0	622.4	642.4	658.9
-52.5°	389.9	394.2	397.7	405.6	429.5	451.5	471.4	496.6	520.0	540.1	556.6
-55°	368.9	379.0	388.5	393.1	395.8	398.3	403.6	419.9	434.2	446.5	456.5
-57.5°	244.1	315.6	365.6	373.7	381.3	388.2	392.1	394.0	395.6	397.0	398.1
-60°	130.6	147.6	205.3	262.6	315.6	363.1	368.9	373.9	378.4	382.2	385.3
-62.5°	92.1	102.5	117.0	130.6	143.1	170.5	210.2	245.5	276.4	302.6	324.3
-65°	84.7	87.1	89.3	91.3	93.6	103.9	113.2	121.4	128.7	134.8	139.9
-67.5°	70.9	75.0	79.0	82.6	84.9	86.4	87.8	89.0	90.1	91.0	91.8
-70°	60.5	62.4	64.1	66.3	69.3	72.0	74.4	76.6	78.5	80.1	81.4
-72.5°	53.0	54.7	56.2	57.5	58.8	60.0	61.1	62.0	62.8	63.5	64.1
-75°	45.5	46.9	48.2	49.4	50.5	51.5	52.4	53.2	53.9	54.4	54.9
-77.5°	38.0	39.1	40.2	41.2	42.1	42.9	43.7	44.3	44.9	45.4	45.8
-80°	30.4	31.3	32.2	33.0	33.7	34.3	34.9	35.5	35.9	36.3	36.6
-82.5°	22.8	23.5	24.1	24.7	25.3	25.8	26.2	26.6	26.9	27.2	27.5
-85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
-87.5°	15.2	15.7	16.1	16.5	16.9	17.2	17.5	17.7	18.0	18.2	18.3
-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: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-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°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.2	18.0	17.7
85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	27.7	27.8	27.9	27.9	27.9	27.8	27.7	27.5	27.2	26.9	26.6
80°	36.9	37.1	37.2	37.2	37.2	37.1	36.9	36.6	36.3	35.9	35.5
77.5°	46.1	46.3	46.5	46.5	46.5	46.3	46.1	45.8	45.4	44.9	44.3
75°	55.3	55.6	55.7	55.8	55.7	55.6	55.3	54.9	54.4	53.9	53.2
72.5°	64.5	64.8	65.0	65.1	65.0	64.8	64.5	64.1	63.5	62.8	62.0
70°	82.5	83.2	83.7	83.8	83.7	83.2	82.5	81.4	80.1	78.5	76.6
67.5°	92.3	92.8	93.0	93.1	93.0	92.8	92.3	91.8	91.0	90.1	89.0
65°	143.8	146.6	148.3	148.9	148.3	146.6	143.8	139.9	134.8	128.7	121.4
62.5°	341.2	353.3	360.6	363.0	360.6	353.3	341.2	324.3	302.6	276.4	245.5
60°	387.7	389.5	390.5	390.9	390.5	389.5	387.7	385.3	382.2	378.4	373.9
57.5°	399.0	399.7	400.1	400.2	400.1	399.7	399.0	398.1	397.0	395.6	394.0
55°	464.4	470.1	473.5	474.6	473.5	470.1	464.4	456.5	446.5	434.2	419.9
52.5°	569.5	578.8	584.4	586.3	584.4	578.8	569.5	556.6	540.1	520.0	496.6
50°	671.9	681.2	686.8	688.7	686.8	681.2	671.9	658.9	642.4	622.4	599.0
47.5°	788.0	800.0	807.3	809.7	807.3	800.0	788.0	771.3	750.0	724.3	694.3
45°	1356.5	1430.0	1474.3	1489.1	1474.3	1430.0	1356.5	1254.3	1124.3	967.2	805.2
42.5°	3195.9	3451.7	3606.0	3657.6	3606.0	3451.7	3195.9	2840.9	2389.5	1845.2	1402.3
40°	8959.3	9847.4	10383.8	10563.2	10383.8	9847.4	8959.3	7727.9	6164.6	4283.2	3168.2
37.5°	19884.4	21638.0	22698.2	23053.0	22698.2	21638.0	19884.4	17456.6	14380.3	10686.2	8266.1
35°	32855.2	34938.7	36200.0	36622.3	36200.0	34938.7	32855.2	29975.8	26335.6	22061.6	17428.5
32.5°	44731.7	46694.8	47885.0	48283.8	47885.0	46694.8	44731.7	42024.9	38612.1	34196.8	28742.2
30°	52564.3	53756.8	54481.1	54724.1	54481.1	53756.8	52564.3	50924.5	48864.0	44897.6	39813.9
27.5°	56937.3	57656.8	58094.9	58242.1	58094.9	57656.8	56937.3	55951.3	54712.2	52039.0	48991.3
25°	61249.2	62411.8	63122.0	63360.9	63122.0	62411.8	61249.2	59663.2	57862.1	56265.6	54234.2
22.5°	67755.9	69830.4	71103.1	71532.2	71103.1	69830.4	67755.9	64942.1	62172.4	59626.8	57225.7
20°	77977.6	81838.7	84221.2	85027.1	84221.2	81838.7	77977.6	72780.5	68432.0	63968.1	60623.5
17.5°	94379.4	101943.2	106648.9	108247.7	106648.9	101943.2	94379.4	84607.6	77515.9	70241.4	64821.4
15°	121666.4	138066.4	148392.2	151924.6	148392.2	138066.4	121666.4	103939.3	90290.9	79140.2	70241.4
12.5°	164364.2	200265.7	228806.4	239799.6	228806.4	200265.7	164364.2	135189.0	107254.2	90290.9	77515.9
10°	240834.6	307033.3	364423.3	385591.0	364423.3	307033.3	240834.6	176451.6	135189.0	103939.3	84607.6
7.5°	344502.5	479706.8	621277.6	681897.0	621277.6	479706.8	344502.5	240834.6	164364.2	121666.4	94379.4
5°	479706.8	747022.9	950630.0	#####	950630.0	747022.9	479706.8	307033.3	200265.7	138066.4	101943.2
2.5°	621277.6	950630.0	#####	#####	#####	950630.0	621277.6	364423.3	228806.4	148392.2	106648.9
0°	681897.0	#####	#####	#####	#####	#####	681897.0	385591.0	239799.6	151924.6	108247.7
-2.5°	621277.6	950630.0	#####	#####	#####	950630.0	621277.6	364423.3	228806.4	148392.2	106648.9
-5°	479706.8	747022.9	950630.0	#####	950630.0	747022.9	479706.8	307033.3	200265.7	138066.4	101943.2
-7.5°	344502.5	479706.8	621277.6	681897.0	621277.6	479706.8	344502.5	240834.6	164364.2	121666.4	94379.4
-10°	240834.6	307033.3	364423.3	385591.0	364423.3	307033.3	240834.6	176451.6	135189.0	103939.3	84607.6
-12.5°	164364.2	200265.7	228806.4	239799.6	228806.4	200265.7	164364.2	135189.0	107254.2	90290.9	77515.9
-15°	121666.4	138066.4	148392.2	151924.6	148392.2	138066.4	121666.4	103939.3	90290.9	79140.2	70241.4
-17.5°	94379.4	101943.2	106648.9	108247.7	106648.9	101943.2	94379.4	84607.6	77515.9	70241.4	64821.4
-20°	77977.6	81838.7	84221.2	85027.1	84221.2	81838.7	77977.6	72780.5	68432.0	63968.1	60623.5



REPORT NUMBER: P1306567 (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°	67755.9	69830.4	71103.1	71532.2	71103.1	69830.4	67755.9	64942.1	62172.4	59626.8	57225.7
-25°	61249.2	62411.8	63122.0	63360.9	63122.0	62411.8	61249.2	59663.2	57862.1	56265.6	54234.2
-27.5°	56937.3	57656.8	58094.9	58242.1	58094.9	57656.8	56937.3	55951.3	54712.2	52039.0	48991.3
-30°	52564.3	53756.8	54481.1	54724.1	54481.1	53756.8	52564.3	50924.5	48864.0	44897.6	39813.9
-32.5°	44731.7	46694.8	47885.0	48283.8	47885.0	46694.8	44731.7	42024.9	38612.1	34196.8	28742.2
-35°	32855.2	34938.7	36200.0	36622.3	36200.0	34938.7	32855.2	29975.8	26335.6	22061.6	17428.5
-37.5°	19884.4	21638.0	22698.2	23053.0	22698.2	21638.0	19884.4	17456.6	14380.3	10686.2	8266.1
-40°	8959.3	9847.4	10383.8	10563.2	10383.8	9847.4	8959.3	7727.9	6164.6	4283.2	3168.2
-42.5°	3195.9	3451.7	3606.0	3657.6	3606.0	3451.7	3195.9	2840.9	2389.5	1845.2	1402.3
-45°	1356.5	1430.0	1474.3	1489.1	1474.3	1430.0	1356.5	1254.3	1124.3	967.2	805.2
-47.5°	788.0	800.0	807.3	809.7	807.3	800.0	788.0	771.3	750.0	724.3	694.3
-50°	671.9	681.2	686.8	688.7	686.8	681.2	671.9	658.9	642.4	622.4	599.0
-52.5°	569.5	578.8	584.4	586.3	584.4	578.8	569.5	556.6	540.1	520.0	496.6
-55°	464.4	470.1	473.5	474.6	473.5	470.1	464.4	456.5	446.5	434.2	419.9
-57.5°	399.0	399.7	400.1	400.2	400.1	399.7	399.0	398.1	397.0	395.6	394.0
-60°	387.7	389.5	390.5	390.9	390.5	389.5	387.7	385.3	382.2	378.4	373.9
-62.5°	341.2	353.3	360.6	363.0	360.6	353.3	341.2	324.3	302.6	276.4	245.5
-65°	143.8	146.6	148.3	148.9	148.3	146.6	143.8	139.9	134.8	128.7	121.4
-67.5°	92.3	92.8	93.0	93.1	93.0	92.8	92.3	91.8	91.0	90.1	89.0
-70°	82.5	83.2	83.7	83.8	83.7	83.2	82.5	81.4	80.1	78.5	76.6
-72.5°	64.5	64.8	65.0	65.1	65.0	64.8	64.5	64.1	63.5	62.8	62.0
-75°	55.3	55.6	55.7	55.8	55.7	55.6	55.3	54.9	54.4	53.9	53.2
-77.5°	46.1	46.3	46.5	46.5	46.5	46.3	46.1	45.8	45.4	44.9	44.3
-80°	36.9	37.1	37.2	37.2	37.2	37.1	36.9	36.6	36.3	35.9	35.5
-82.5°	27.7	27.8	27.9	27.9	27.9	27.8	27.7	27.5	27.2	26.9	26.6
-85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
-87.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.2	18.0	17.7
-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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**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°	17.5	17.2	16.9	16.5	16.1	15.7	15.2	14.8	14.2	13.7	13.2
85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	26.2	25.8	25.3	24.7	24.1	23.5	22.8	22.1	21.3	20.5	19.7
80°	34.9	34.3	33.7	33.0	32.2	31.3	30.4	29.5	28.4	27.4	26.2
77.5°	43.7	42.9	42.1	41.2	40.2	39.1	38.0	36.8	35.5	34.2	32.7
75°	52.4	51.5	50.5	49.4	48.2	46.9	45.5	44.1	42.5	40.9	39.2
72.5°	61.1	60.0	58.8	57.5	56.2	54.7	53.0	51.3	49.5	47.6	45.7
70°	74.4	72.0	69.3	66.3	64.1	62.4	60.5	58.6	56.5	54.3	52.1
67.5°	87.8	86.4	84.9	82.6	79.0	75.0	70.9	66.4	63.4	61.0	58.4
65°	113.2	103.9	93.6	91.3	89.3	87.1	84.7	80.7	75.5	70.0	64.7
62.5°	210.2	170.5	143.1	130.6	117.0	102.5	92.1	89.3	86.5	83.1	76.7
60°	368.9	363.1	315.6	262.6	205.3	147.6	130.6	112.5	93.6	89.9	86.4
57.5°	392.1	388.2	381.3	373.7	365.6	315.6	244.1	168.7	133.4	111.8	92.5
55°	403.6	398.3	395.8	393.1	388.5	379.0	368.9	326.0	240.1	150.3	125.0
52.5°	471.4	451.5	429.5	405.6	397.7	394.2	389.9	378.4	366.3	291.8	191.4
50°	571.0	538.5	502.8	467.5	439.7	410.0	397.5	393.4	385.3	371.8	323.1
47.5°	664.5	632.2	596.8	555.8	510.7	466.7	433.0	399.9	395.2	389.5	374.6
45°	768.1	726.9	682.8	641.4	597.0	546.5	492.3	448.5	409.1	396.2	390.9
42.5°	1177.5	927.6	782.0	729.4	675.6	625.2	570.8	510.2	456.4	412.9	396.2
40°	2392.8	1533.1	1209.0	892.3	764.2	700.6	642.3	583.0	516.2	456.4	409.1
37.5°	5598.8	3341.3	2333.8	1414.5	1053.8	785.4	714.5	648.0	583.0	510.2	448.5
35°	12219.6	8305.6	4863.6	2878.5	1651.0	1135.5	792.5	714.5	642.3	570.8	492.3
32.5°	22665.6	16491.7	10152.1	6215.0	3154.3	1785.3	1135.5	785.4	700.6	625.2	546.5
30°	33738.3	26526.5	19106.7	11513.4	6669.5	3154.3	1651.0	1053.8	764.2	675.6	597.0
27.5°	43441.0	36780.4	28505.8	19987.4	11513.4	6215.0	2878.5	1414.5	892.3	729.4	641.4
25°	50580.8	45289.6	37669.8	28505.8	19106.7	10152.1	4863.6	2333.8	1209.0	782.0	682.8
22.5°	55070.0	51118.3	45289.6	36780.4	26526.5	16491.7	8305.6	3341.3	1533.1	927.6	726.9
20°	57551.3	55070.0	50580.8	43441.0	33738.3	22665.6	12219.6	5598.8	2392.8	1177.5	768.1
17.5°	60623.5	57225.7	54234.2	48991.3	39813.9	28742.2	17428.5	8266.1	3168.2	1402.3	805.2
15°	63968.1	59626.8	56265.6	52039.0	44897.6	34196.8	22061.6	10686.2	4283.2	1845.2	967.2
12.5°	68432.0	62172.4	57862.1	54712.2	48864.0	38612.1	26335.6	14380.3	6164.6	2389.5	1124.3
10°	72780.5	64942.1	59663.2	55951.3	50924.5	42024.9	29975.8	17456.6	7727.9	2840.9	1254.3
7.5°	77977.6	67755.9	61249.2	56937.3	52564.3	44731.7	32855.2	19884.4	8959.3	3195.9	1356.5
5°	81838.7	69830.4	62411.8	57656.8	53756.8	46694.8	34938.7	21638.0	9847.4	3451.7	1430.0
2.5°	84221.2	71103.1	63122.0	58094.9	54481.1	47885.0	36200.0	22698.2	10383.8	3606.0	1474.3
0°	85027.1	71532.2	63360.9	58242.1	54724.1	48283.8	36622.3	23053.0	10563.2	3657.6	1489.1
-2.5°	84221.2	71103.1	63122.0	58094.9	54481.1	47885.0	36200.0	22698.2	10383.8	3606.0	1474.3
-5°	81838.7	69830.4	62411.8	57656.8	53756.8	46694.8	34938.7	21638.0	9847.4	3451.7	1430.0
-7.5°	77977.6	67755.9	61249.2	56937.3	52564.3	44731.7	32855.2	19884.4	8959.3	3195.9	1356.5
-10°	72780.5	64942.1	59663.2	55951.3	50924.5	42024.9	29975.8	17456.6	7727.9	2840.9	1254.3
-12.5°	68432.0	62172.4	57862.1	54712.2	48864.0	38612.1	26335.6	14380.3	6164.6	2389.5	1124.3
-15°	63968.1	59626.8	56265.6	52039.0	44897.6	34196.8	22061.6	10686.2	4283.2	1845.2	967.2
-17.5°	60623.5	57225.7	54234.2	48991.3	39813.9	28742.2	17428.5	8266.1	3168.2	1402.3	805.2
-20°	57551.3	55070.0	50580.8	43441.0	33738.3	22665.6	12219.6	5598.8	2392.8	1177.5	768.1



REPORT NUMBER: P1306567 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-57-80-2R-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	55070.0	51118.3	45289.6	36780.4	26526.5	16491.7	8305.6	3341.3	1533.1	927.6	726.9
-25°	50580.8	45289.6	37669.8	28505.8	19106.7	10152.1	4863.6	2333.8	1209.0	782.0	682.8
-27.5°	43441.0	36780.4	28505.8	19987.4	11513.4	6215.0	2878.5	1414.5	892.3	729.4	641.4
-30°	33738.3	26526.5	19106.7	11513.4	6669.5	3154.3	1651.0	1053.8	764.2	675.6	597.0
-32.5°	22665.6	16491.7	10152.1	6215.0	3154.3	1785.3	1135.5	785.4	700.6	625.2	546.5
-35°	12219.6	8305.6	4863.6	2878.5	1651.0	1135.5	792.5	714.5	642.3	570.8	492.3
-37.5°	5598.8	3341.3	2333.8	1414.5	1053.8	785.4	714.5	648.0	583.0	510.2	448.5
-40°	2392.8	1533.1	1209.0	892.3	764.2	700.6	642.3	583.0	516.2	456.4	409.1
-42.5°	1177.5	927.6	782.0	729.4	675.6	625.2	570.8	510.2	456.4	412.9	396.2
-45°	768.1	726.9	682.8	641.4	597.0	546.5	492.3	448.5	409.1	396.2	390.9
-47.5°	664.5	632.2	596.8	555.8	510.7	466.7	433.0	399.9	395.2	389.5	374.6
-50°	571.0	538.5	502.8	467.5	439.7	410.0	397.5	393.4	385.3	371.8	323.1
-52.5°	471.4	451.5	429.5	405.6	397.7	394.2	389.9	378.4	366.3	291.8	191.4
-55°	403.6	398.3	395.8	393.1	388.5	379.0	368.9	326.0	240.1	150.3	125.0
-57.5°	392.1	388.2	381.3	373.7	365.6	315.6	244.1	168.7	133.4	111.8	92.5
-60°	368.9	363.1	315.6	262.6	205.3	147.6	130.6	112.5	93.6	89.9	86.4
-62.5°	210.2	170.5	143.1	130.6	117.0	102.5	92.1	89.3	86.5	83.1	76.7
-65°	113.2	103.9	93.6	91.3	89.3	87.1	84.7	80.7	75.5	70.0	64.7
-67.5°	87.8	86.4	84.9	82.6	79.0	75.0	70.9	66.4	63.4	61.0	58.4
-70°	74.4	72.0	69.3	66.3	64.1	62.4	60.5	58.6	56.5	54.3	52.1
-72.5°	61.1	60.0	58.8	57.5	56.2	54.7	53.0	51.3	49.5	47.6	45.7
-75°	52.4	51.5	50.5	49.4	48.2	46.9	45.5	44.1	42.5	40.9	39.2
-77.5°	43.7	42.9	42.1	41.2	40.2	39.1	38.0	36.8	35.5	34.2	32.7
-80°	34.9	34.3	33.7	33.0	32.2	31.3	30.4	29.5	28.4	27.4	26.2
-82.5°	26.2	25.8	25.3	24.7	24.1	23.5	22.8	22.1	21.3	20.5	19.7
-85°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
-87.5°	17.5	17.2	16.9	16.5	16.1	15.7	15.2	14.8	14.2	13.7	13.2
-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):**

	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°	12.6	12.0	11.3	10.7	10.0	9.3	8.6	7.9	7.1	6.4	5.6
85°	18.6	18.6	18.6	18.6	18.6	18.6	17.2	15.7	14.2	12.7	11.2
82.5°	18.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.7
80°	25.1	23.8	22.6	21.3	19.9	18.6	18.6	18.6	18.6	18.6	18.6
77.5°	31.3	29.7	28.2	26.5	24.8	23.1	21.3	19.5	18.6	18.6	18.6
75°	37.5	35.6	33.7	31.8	29.7	27.7	25.5	23.4	21.1	18.9	18.6
72.5°	43.6	41.5	39.2	36.9	34.6	32.2	29.7	27.2	24.6	22.0	19.3
70°	49.7	47.2	44.7	42.1	39.4	36.6	33.8	30.9	28.0	25.0	22.0
67.5°	55.7	53.0	50.1	47.2	44.1	41.0	37.9	34.6	31.3	28.0	24.6
65°	61.7	58.6	55.5	52.2	48.8	45.4	41.9	38.3	34.6	30.9	27.2
62.5°	70.2	64.2	60.7	57.1	53.4	49.7	45.8	41.9	37.9	33.8	29.7
60°	81.9	74.4	66.8	62.0	58.0	53.9	49.7	45.4	41.0	36.6	32.2
57.5°	88.6	84.6	77.0	68.5	62.4	58.0	53.4	48.8	44.1	39.4	34.6
55°	99.8	89.9	85.4	77.9	68.5	62.0	57.1	52.2	47.2	42.1	36.9
52.5°	132.9	105.1	90.3	85.4	77.0	66.8	60.7	55.5	50.1	44.7	39.2
50°	212.1	135.6	105.1	89.9	84.6	74.4	64.2	58.6	53.0	47.2	41.5
47.5°	333.6	212.1	132.9	99.8	88.6	81.9	70.2	61.7	55.7	49.7	43.6
45°	374.6	323.1	191.4	125.0	92.5	86.4	76.7	64.7	58.4	52.1	45.7
42.5°	389.5	371.8	291.8	150.3	111.8	89.9	83.1	70.0	61.0	54.3	47.6
40°	395.2	385.3	366.3	240.1	133.4	93.6	86.5	75.5	63.4	56.5	49.5
37.5°	399.9	393.4	378.4	326.0	168.7	112.5	89.3	80.7	66.4	58.6	51.3
35°	433.0	397.5	389.9	368.9	244.1	130.6	92.1	84.7	70.9	60.5	53.0
32.5°	466.7	410.0	394.2	379.0	315.6	147.6	102.5	87.1	75.0	62.4	54.7
30°	510.7	439.7	397.7	388.5	365.6	205.3	117.0	89.3	79.0	64.1	56.2
27.5°	555.8	467.5	405.6	393.1	373.7	262.6	130.6	91.3	82.6	66.3	57.5
25°	596.8	502.8	429.5	395.8	381.3	315.6	143.1	93.6	84.9	69.3	58.8
22.5°	632.2	538.5	451.5	398.3	388.2	363.1	170.5	103.9	86.4	72.0	60.0
20°	664.5	571.0	471.4	403.6	392.1	368.9	210.2	113.2	87.8	74.4	61.1
17.5°	694.3	599.0	496.6	419.9	394.0	373.9	245.5	121.4	89.0	76.6	62.0
15°	724.3	622.4	520.0	434.2	395.6	378.4	276.4	128.7	90.1	78.5	62.8
12.5°	750.0	642.4	540.1	446.5	397.0	382.2	302.6	134.8	91.0	80.1	63.5
10°	771.3	658.9	556.6	456.5	398.1	385.3	324.3	139.9	91.8	81.4	64.1
7.5°	788.0	671.9	569.5	464.4	399.0	387.7	341.2	143.8	92.3	82.5	64.5
5°	800.0	681.2	578.8	470.1	399.7	389.5	353.3	146.6	92.8	83.2	64.8
2.5°	807.3	686.8	584.4	473.5	400.1	390.5	360.6	148.3	93.0	83.7	65.0
0°	809.7	688.7	586.3	474.6	400.2	390.9	363.0	148.9	93.1	83.8	65.1
-2.5°	807.3	686.8	584.4	473.5	400.1	390.5	360.6	148.3	93.0	83.7	65.0
-5°	800.0	681.2	578.8	470.1	399.7	389.5	353.3	146.6	92.8	83.2	64.8
-7.5°	788.0	671.9	569.5	464.4	399.0	387.7	341.2	143.8	92.3	82.5	64.5
-10°	771.3	658.9	556.6	456.5	398.1	385.3	324.3	139.9	91.8	81.4	64.1
-12.5°	750.0	642.4	540.1	446.5	397.0	382.2	302.6	134.8	91.0	80.1	63.5
-15°	724.3	622.4	520.0	434.2	395.6	378.4	276.4	128.7	90.1	78.5	62.8
-17.5°	694.3	599.0	496.6	419.9	394.0	373.9	245.5	121.4	89.0	76.6	62.0
-20°	664.5	571.0	471.4	403.6	392.1	368.9	210.2	113.2	87.8	74.4	61.1



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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°	632.2	538.5	451.5	398.3	388.2	363.1	170.5	103.9	86.4	72.0	60.0
-25°	596.8	502.8	429.5	395.8	381.3	315.6	143.1	93.6	84.9	69.3	58.8
-27.5°	555.8	467.5	405.6	393.1	373.7	262.6	130.6	91.3	82.6	66.3	57.5
-30°	510.7	439.7	397.7	388.5	365.6	205.3	117.0	89.3	79.0	64.1	56.2
-32.5°	466.7	410.0	394.2	379.0	315.6	147.6	102.5	87.1	75.0	62.4	54.7
-35°	433.0	397.5	389.9	368.9	244.1	130.6	92.1	84.7	70.9	60.5	53.0
-37.5°	399.9	393.4	378.4	326.0	168.7	112.5	89.3	80.7	66.4	58.6	51.3
-40°	395.2	385.3	366.3	240.1	133.4	93.6	86.5	75.5	63.4	56.5	49.5
-42.5°	389.5	371.8	291.8	150.3	111.8	89.9	83.1	70.0	61.0	54.3	47.6
-45°	374.6	323.1	191.4	125.0	92.5	86.4	76.7	64.7	58.4	52.1	45.7
-47.5°	333.6	212.1	132.9	99.8	88.6	81.9	70.2	61.7	55.7	49.7	43.6
-50°	212.1	135.6	105.1	89.9	84.6	74.4	64.2	58.6	53.0	47.2	41.5
-52.5°	132.9	105.1	90.3	85.4	77.0	66.8	60.7	55.5	50.1	44.7	39.2
-55°	99.8	89.9	85.4	77.9	68.5	62.0	57.1	52.2	47.2	42.1	36.9
-57.5°	88.6	84.6	77.0	68.5	62.4	58.0	53.4	48.8	44.1	39.4	34.6
-60°	81.9	74.4	66.8	62.0	58.0	53.9	49.7	45.4	41.0	36.6	32.2
-62.5°	70.2	64.2	60.7	57.1	53.4	49.7	45.8	41.9	37.9	33.8	29.7
-65°	61.7	58.6	55.5	52.2	48.8	45.4	41.9	38.3	34.6	30.9	27.2
-67.5°	55.7	53.0	50.1	47.2	44.1	41.0	37.9	34.6	31.3	28.0	24.6
-70°	49.7	47.2	44.7	42.1	39.4	36.6	33.8	30.9	28.0	25.0	22.0
-72.5°	43.6	41.5	39.2	36.9	34.6	32.2	29.7	27.2	24.6	22.0	19.3
-75°	37.5	35.6	33.7	31.8	29.7	27.7	25.5	23.4	21.1	18.9	18.6
-77.5°	31.3	29.7	28.2	26.5	24.8	23.1	21.3	19.5	18.6	18.6	18.6
-80°	25.1	23.8	22.6	21.3	19.9	18.6	18.6	18.6	18.6	18.6	18.6
-82.5°	18.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.7
-85°	18.6	18.6	18.6	18.6	18.6	18.6	17.2	15.7	14.2	12.7	11.2
-87.5°	12.6	12.0	11.3	10.7	10.0	9.3	8.6	7.9	7.1	6.4	5.6
-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°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
85°	9.6	8.0	6.5	4.8	3.2	1.6	0.0
82.5°	14.4	12.0	9.7	7.3	4.8	2.4	0.0
80°	18.6	16.0	12.9	9.7	6.5	3.2	0.0
77.5°	18.6	18.6	16.0	12.0	8.0	4.0	0.0
75°	18.6	18.6	18.6	14.4	9.6	4.8	0.0
72.5°	18.6	18.6	18.6	16.7	11.2	5.6	0.0
70°	18.9	18.6	18.6	18.6	12.7	6.4	0.0
67.5°	21.1	18.6	18.6	18.6	14.2	7.1	0.0
65°	23.4	19.5	18.6	18.6	15.7	7.9	0.0
62.5°	25.5	21.3	18.6	18.6	17.2	8.6	0.0
60°	27.7	23.1	18.6	18.6	18.6	9.3	0.0
57.5°	29.7	24.8	19.9	18.6	18.6	10.0	0.0
55°	31.8	26.5	21.3	18.6	18.6	10.7	0.0
52.5°	33.7	28.2	22.6	18.6	18.6	11.3	0.0
50°	35.6	29.7	23.8	18.6	18.6	12.0	0.0
47.5°	37.5	31.3	25.1	18.8	18.6	12.6	0.0
45°	39.2	32.7	26.2	19.7	18.6	13.2	0.0
42.5°	40.9	34.2	27.4	20.5	18.6	13.7	0.0
40°	42.5	35.5	28.4	21.3	18.6	14.2	0.0
37.5°	44.1	36.8	29.5	22.1	18.6	14.8	0.0
35°	45.5	38.0	30.4	22.8	18.6	15.2	0.0
32.5°	46.9	39.1	31.3	23.5	18.6	15.7	0.0
30°	48.2	40.2	32.2	24.1	18.6	16.1	0.0
27.5°	49.4	41.2	33.0	24.7	18.6	16.5	0.0
25°	50.5	42.1	33.7	25.3	18.6	16.9	0.0
22.5°	51.5	42.9	34.3	25.8	18.6	17.2	0.0
20°	52.4	43.7	34.9	26.2	18.6	17.5	0.0
17.5°	53.2	44.3	35.5	26.6	18.6	17.7	0.0
15°	53.9	44.9	35.9	26.9	18.6	18.0	0.0
12.5°	54.4	45.4	36.3	27.2	18.6	18.2	0.0
10°	54.9	45.8	36.6	27.5	18.6	18.3	0.0
7.5°	55.3	46.1	36.9	27.7	18.6	18.4	0.0
5°	55.6	46.3	37.1	27.8	18.6	18.5	0.0
2.5°	55.7	46.5	37.2	27.9	18.6	18.6	0.0
0°	55.8	46.5	37.2	27.9	18.6	18.6	0.0
-2.5°	55.7	46.5	37.2	27.9	18.6	18.6	0.0
-5°	55.6	46.3	37.1	27.8	18.6	18.5	0.0
-7.5°	55.3	46.1	36.9	27.7	18.6	18.4	0.0
-10°	54.9	45.8	36.6	27.5	18.6	18.3	0.0
-12.5°	54.4	45.4	36.3	27.2	18.6	18.2	0.0
-15°	53.9	44.9	35.9	26.9	18.6	18.0	0.0
-17.5°	53.2	44.3	35.5	26.6	18.6	17.7	0.0
-20°	52.4	43.7	34.9	26.2	18.6	17.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.5	42.9	34.3	25.8	18.6	17.2	0.0
-25°	50.5	42.1	33.7	25.3	18.6	16.9	0.0
-27.5°	49.4	41.2	33.0	24.7	18.6	16.5	0.0
-30°	48.2	40.2	32.2	24.1	18.6	16.1	0.0
-32.5°	46.9	39.1	31.3	23.5	18.6	15.7	0.0
-35°	45.5	38.0	30.4	22.8	18.6	15.2	0.0
-37.5°	44.1	36.8	29.5	22.1	18.6	14.8	0.0
-40°	42.5	35.5	28.4	21.3	18.6	14.2	0.0
-42.5°	40.9	34.2	27.4	20.5	18.6	13.7	0.0
-45°	39.2	32.7	26.2	19.7	18.6	13.2	0.0
-47.5°	37.5	31.3	25.1	18.8	18.6	12.6	0.0
-50°	35.6	29.7	23.8	18.6	18.6	12.0	0.0
-52.5°	33.7	28.2	22.6	18.6	18.6	11.3	0.0
-55°	31.8	26.5	21.3	18.6	18.6	10.7	0.0
-57.5°	29.7	24.8	19.9	18.6	18.6	10.0	0.0
-60°	27.7	23.1	18.6	18.6	18.6	9.3	0.0
-62.5°	25.5	21.3	18.6	18.6	17.2	8.6	0.0
-65°	23.4	19.5	18.6	18.6	15.7	7.9	0.0
-67.5°	21.1	18.6	18.6	18.6	14.2	7.1	0.0
-70°	18.9	18.6	18.6	18.6	12.7	6.4	0.0
-72.5°	18.6	18.6	18.6	16.7	11.2	5.6	0.0
-75°	18.6	18.6	18.6	14.4	9.6	4.8	0.0
-77.5°	18.6	18.6	16.0	12.0	8.0	4.0	0.0
-80°	18.6	16.0	12.9	9.7	6.5	3.2	0.0
-82.5°	14.4	12.0	9.7	7.3	4.8	2.4	0.0
-85°	9.6	8.0	6.5	4.8	3.2	1.6	0.0
-87.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)