

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: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-80-1R-A**

Issue Date: 2/3/2026

**Test Information**

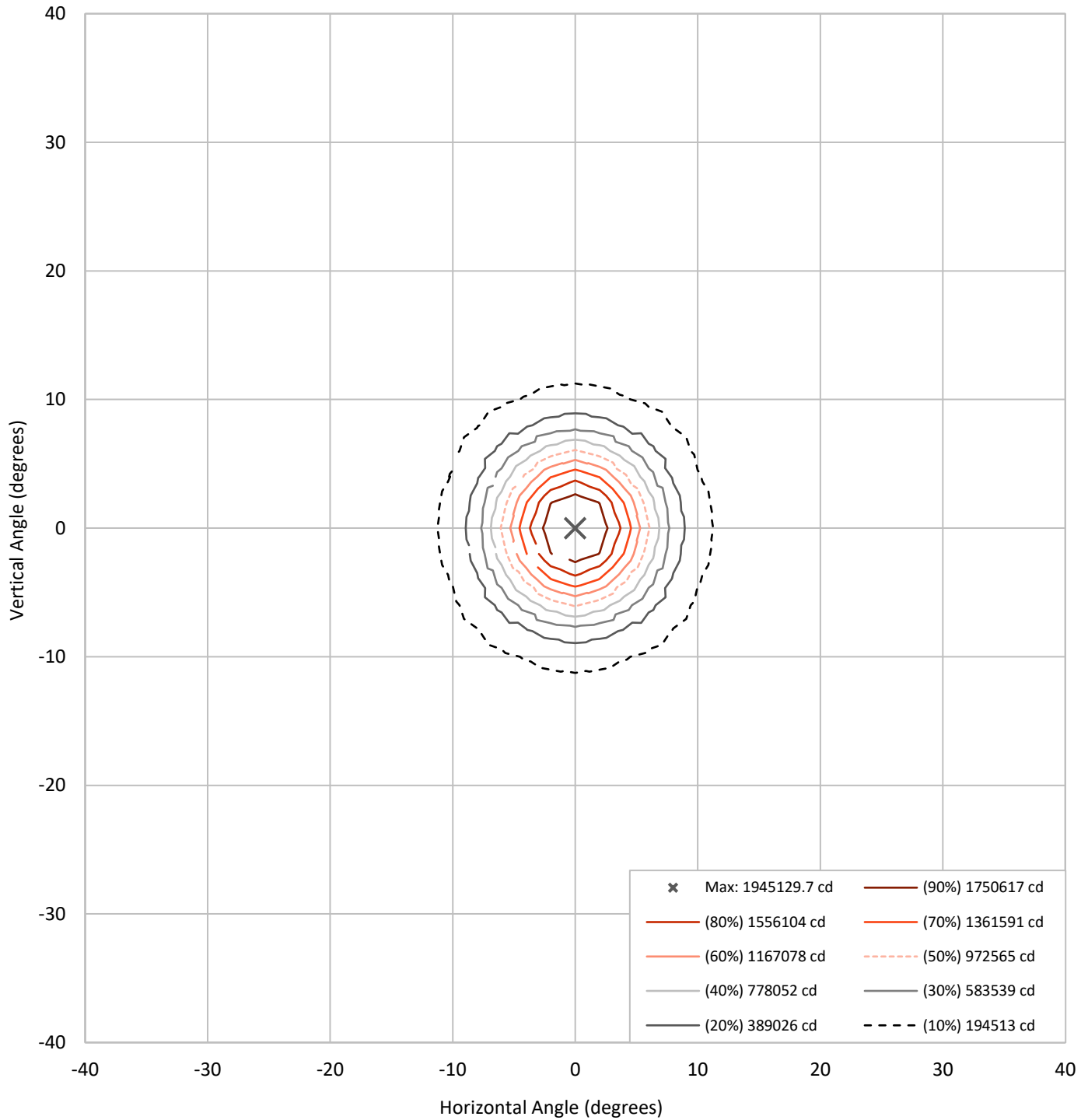
Test Method: LM-79-08  
Report Number: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-57-80-1R-A  
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:	156613.7 lumens	Max Intensity:	1945129.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.4 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:	44757.2 lumens	Field Lumens:	84356.5 lumens
Beam Efficiency:	28.6%	Field Efficiency:	53.9%
Input Watts (W):	1290		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





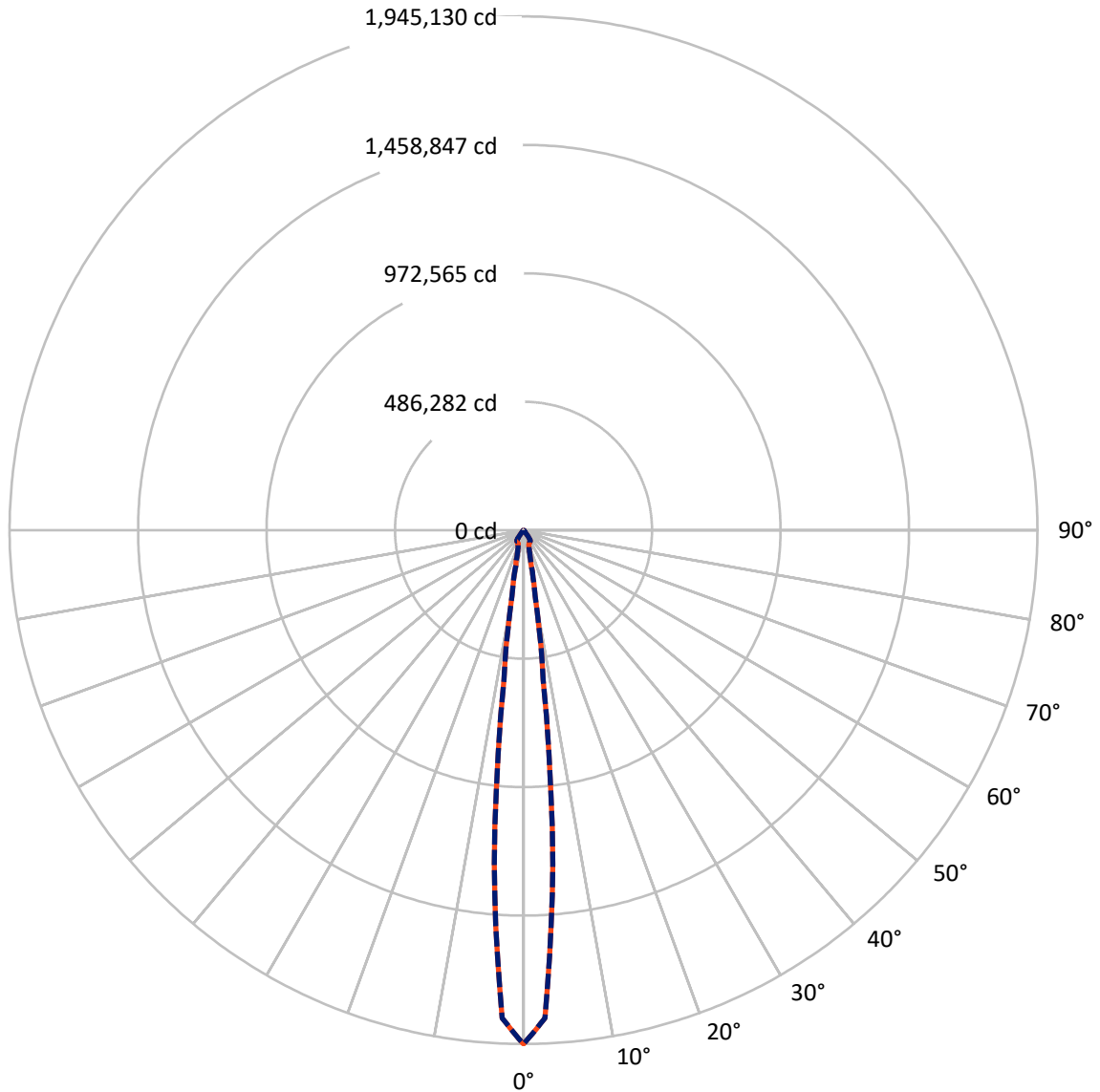
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### Lumen Table

90	0.2	1.1		2.6		4.0		4.6		4.0		2.6		1.1		0.2
80	0.2	1.1		2.6		4.0		4.6		4.0		2.6		1.1		0.2
70	0.5	0.5	0.9	1.5	2.2	3.6	5.2	6.1	6.1	5.2	3.6	2.2	1.5	0.9	0.5	0.5
60		0.7	1.4	3.4	7.5	10.7	13.2	14.7	14.7	13.2	10.7	7.5	3.4	1.4	0.7	
50	0.8	0.9	2.8	7.8	12.4	19.9	36.1	59.5	59.5	36.1	19.9	12.4	7.8	2.8	0.9	0.8
40		1.2	5.4	10.8	24.5	169.9	624.7	960.0	960.0	624.7	169.9	24.5	10.8	5.4	1.2	
30	1.0	1.7	6.8	15.6	155.5	944.4	1447.3	1589.7	1589.7	1447.3	944.4	155.5	15.6	6.8	1.7	1.0
20		2.4	7.9	27.0	538.7	1359.0	1744.8	2849.5	2849.5	1744.8	1359.0	538.7	27.0	7.9	2.4	
10	1.1	2.7	8.6	43.6	800.2	1447.6	2773.1	21366.7	21366.7	2773.1	1447.6	800.2	43.6	8.6	2.7	1.1
0		2.7	8.6	43.6	800.2	1447.6	2773.1	21366.7	21366.7	2773.1	1447.6	800.2	43.6	8.6	2.7	
-10	1.0	2.4	7.9	27.0	538.7	1359.0	1744.8	2849.5	2849.5	1744.8	1359.0	538.7	27.0	7.9	2.4	1.0
-20		1.7	6.8	15.6	155.5	944.4	1447.3	1589.7	1589.7	1447.3	944.4	155.5	15.6	6.8	1.7	
-30	0.8	1.2	5.4	10.8	24.5	169.9	624.7	960.0	960.0	624.7	169.9	24.5	10.8	5.4	1.2	0.8
-40		0.9	2.8	7.8	12.4	19.9	36.1	59.5	59.5	36.1	19.9	12.4	7.8	2.8	0.9	
-50	0.5	0.7	1.4	3.4	7.5	10.7	13.2	14.7	14.7	13.2	10.7	7.5	3.4	1.4	0.7	0.5
-60		0.5	0.9	1.5	2.2	3.6	5.2	6.1	6.1	5.2	3.6	2.2	1.5	0.9	0.5	
-70	0.2	1.1		2.6		4.0		4.6		4.0		2.6		1.1		0.2
-80		1.1		2.6		4.0		4.6		4.0		2.6		1.1		
-90	0.2	1.1		2.6		4.0		4.6		4.0		2.6		1.1		0.2

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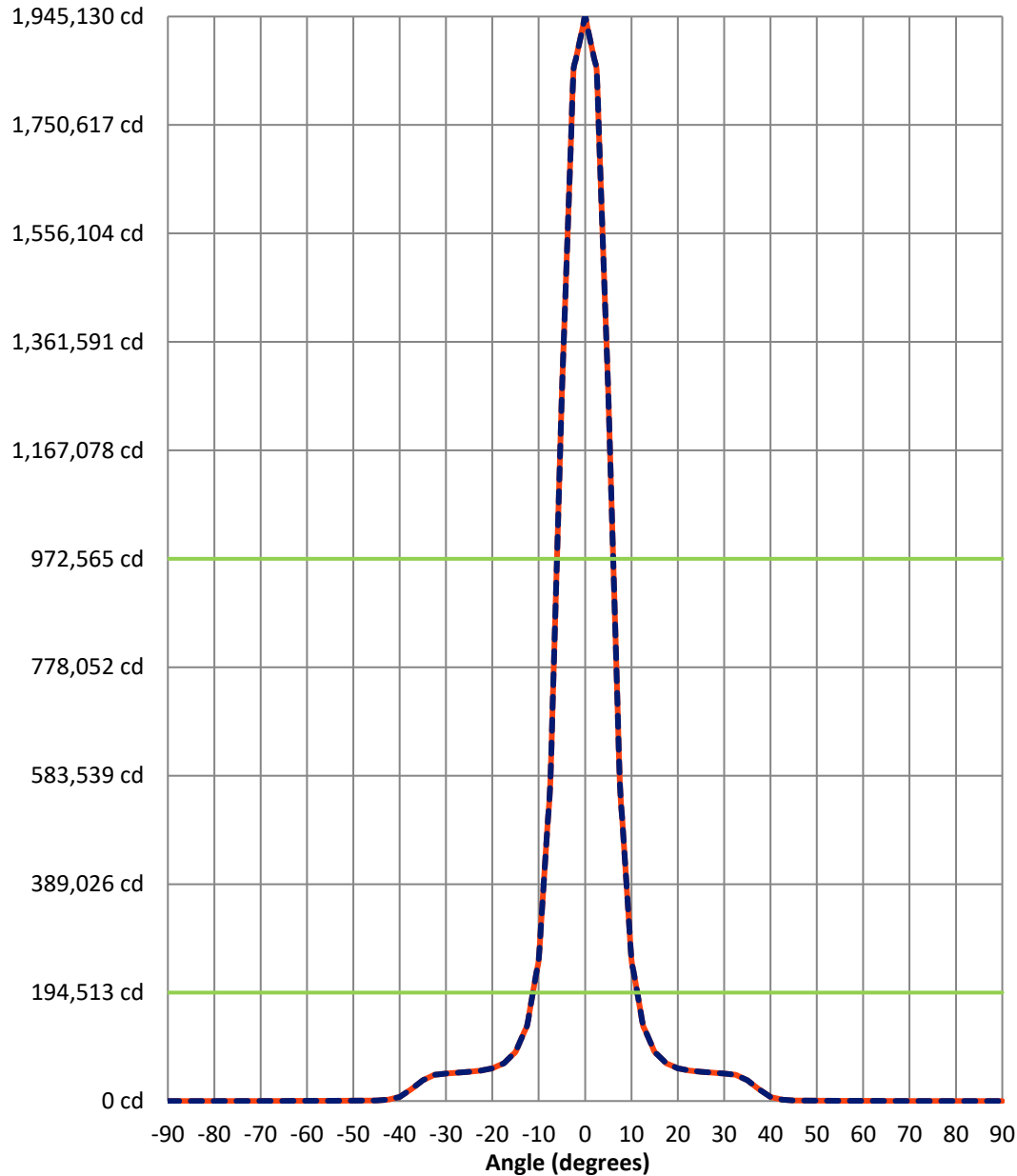
### Luminous Intensity Polar Plot



— 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: 44757.2  
 Efficiency: 28.6%

**Field:**  
 H Angle: 22.5°  
 V Angle: 22.5°  
 Lumens: 84356.5  
 Efficiency: 53.9%

**Spill:**  
 Lumens: 72257.2  
 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	2.0	2.4	2.7	3.1	3.5	3.8
85°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
82.5°	0.0	1.2	2.4	3.6	4.7	5.9	7.0	8.2	9.3	10.4	11.5
80°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
77.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.5	15.4	17.2	19.0
75°	0.0	2.4	4.7	7.0	9.4	11.7	13.9	16.2	18.4	20.6	22.8
72.5°	0.0	2.7	5.5	8.2	10.9	13.5	16.2	18.8	21.4	24.0	26.5
70°	0.0	3.1	6.2	9.3	12.4	15.4	18.4	21.4	24.4	27.3	30.2
67.5°	0.0	3.5	7.0	10.4	13.8	17.2	20.6	24.0	27.3	30.6	33.8
65°	0.0	3.8	7.7	11.5	15.3	19.0	22.8	26.5	30.2	33.8	37.3
62.5°	0.0	4.2	8.4	12.5	16.7	20.8	24.9	29.0	33.0	36.9	40.8
60°	0.0	4.5	9.1	13.6	18.0	22.5	27.0	31.4	35.7	40.0	44.2
57.5°	0.0	4.9	9.8	14.6	19.4	24.2	29.0	33.7	38.4	43.0	47.6
55°	0.0	5.2	10.4	15.6	20.7	25.9	31.0	36.1	41.0	46.0	50.9
52.5°	0.0	5.5	11.0	16.5	22.0	27.5	32.9	38.3	43.6	48.8	54.1
50°	0.0	5.8	11.7	17.4	23.2	29.0	34.8	40.4	46.0	51.6	60.0
47.5°	0.0	6.1	12.3	18.3	24.4	30.5	36.6	42.5	48.4	54.3	66.0
45°	0.0	6.4	12.8	19.2	25.6	31.9	38.3	44.5	50.7	59.5	71.8
42.5°	0.0	6.7	13.4	20.0	26.7	33.3	39.9	46.4	53.0	64.5	75.0
40°	0.0	7.0	13.9	20.8	27.7	34.6	41.5	48.3	55.8	69.3	77.6
37.5°	0.0	7.2	14.4	21.5	28.7	35.9	43.0	50.0	59.8	73.2	80.1
35°	0.0	7.5	14.8	22.2	29.7	37.1	44.4	51.7	63.6	75.4	83.5
32.5°	0.0	7.7	15.3	22.9	30.6	38.2	45.7	53.3	67.3	77.4	88.0
30°	0.0	7.9	15.7	23.5	31.4	39.2	46.9	55.1	70.6	79.3	92.3
27.5°	0.0	8.1	16.1	24.1	32.2	40.1	48.1	57.8	73.2	81.0	96.3
25°	0.0	8.2	16.4	24.6	32.9	41.0	49.2	60.3	74.6	83.7	100.1
22.5°	0.0	8.4	16.7	25.1	33.5	41.8	50.2	62.6	75.9	86.7	106.8
20°	0.0	8.6	17.0	25.5	34.1	42.5	51.0	64.7	77.1	89.4	112.8
17.5°	0.0	8.7	17.3	25.9	34.6	43.2	51.8	66.5	78.1	91.8	118.2
15°	0.0	8.8	17.5	26.3	35.0	43.7	52.5	68.1	79.0	93.9	122.9
12.5°	0.0	8.9	17.7	26.5	35.4	44.2	53.1	69.5	79.8	95.7	126.9
10°	0.0	9.0	17.8	26.8	35.7	44.6	53.6	70.6	80.5	97.2	130.1
7.5°	0.0	9.0	17.9	27.0	36.0	44.9	53.9	71.5	81.0	98.3	132.7
5°	0.0	9.1	18.0	27.1	36.2	45.1	54.2	72.1	81.3	99.1	134.5
2.5°	0.0	9.1	18.1	27.2	36.3	45.3	54.3	72.5	81.5	99.6	135.6
0°	0.0	9.1	18.1	27.2	36.3	45.3	54.3	72.5	81.5	99.6	135.6
-2.5°	0.0	9.1	18.1	27.2	36.3	45.3	54.3	72.5	81.5	99.6	135.6
-5°	0.0	9.1	18.0	27.1	36.2	45.1	54.2	72.1	81.3	99.1	134.5
-7.5°	0.0	9.0	17.9	27.0	36.0	44.9	53.9	71.5	81.0	98.3	132.7
-10°	0.0	9.0	17.8	26.8	35.7	44.6	53.6	70.6	80.5	97.2	130.1
-12.5°	0.0	8.9	17.7	26.5	35.4	44.2	53.1	69.5	79.8	95.7	126.9
-15°	0.0	8.8	17.5	26.3	35.0	43.7	52.5	68.1	79.0	93.9	122.9
-17.5°	0.0	8.7	17.3	25.9	34.6	43.2	51.8	66.5	78.1	91.8	118.2
-20°	0.0	8.6	17.0	25.5	34.1	42.5	51.0	64.7	77.1	89.4	112.8



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 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.4	16.7	25.1	33.5	41.8	50.2	62.6	75.9	86.7	106.8
-25°	0.0	8.2	16.4	24.6	32.9	41.0	49.2	60.3	74.6	83.7	100.1
-27.5°	0.0	8.1	16.1	24.1	32.2	40.1	48.1	57.8	73.2	81.0	96.3
-30°	0.0	7.9	15.7	23.5	31.4	39.2	46.9	55.1	70.6	79.3	92.3
-32.5°	0.0	7.7	15.3	22.9	30.6	38.2	45.7	53.3	67.3	77.4	88.0
-35°	0.0	7.5	14.8	22.2	29.7	37.1	44.4	51.7	63.6	75.4	83.5
-37.5°	0.0	7.2	14.4	21.5	28.7	35.9	43.0	50.0	59.8	73.2	80.1
-40°	0.0	7.0	13.9	20.8	27.7	34.6	41.5	48.3	55.8	69.3	77.6
-42.5°	0.0	6.7	13.4	20.0	26.7	33.3	39.9	46.4	53.0	64.5	75.0
-45°	0.0	6.4	12.8	19.2	25.6	31.9	38.3	44.5	50.7	59.5	71.8
-47.5°	0.0	6.1	12.3	18.3	24.4	30.5	36.6	42.5	48.4	54.3	66.0
-50°	0.0	5.8	11.7	17.4	23.2	29.0	34.8	40.4	46.0	51.6	60.0
-52.5°	0.0	5.5	11.0	16.5	22.0	27.5	32.9	38.3	43.6	48.8	54.1
-55°	0.0	5.2	10.4	15.6	20.7	25.9	31.0	36.1	41.0	46.0	50.9
-57.5°	0.0	4.9	9.8	14.6	19.4	24.2	29.0	33.7	38.4	43.0	47.6
-60°	0.0	4.5	9.1	13.6	18.0	22.5	27.0	31.4	35.7	40.0	44.2
-62.5°	0.0	4.2	8.4	12.5	16.7	20.8	24.9	29.0	33.0	36.9	40.8
-65°	0.0	3.8	7.7	11.5	15.3	19.0	22.8	26.5	30.2	33.8	37.3
-67.5°	0.0	3.5	7.0	10.4	13.8	17.2	20.6	24.0	27.3	30.6	33.8
-70°	0.0	3.1	6.2	9.3	12.4	15.4	18.4	21.4	24.4	27.3	30.2
-72.5°	0.0	2.7	5.5	8.2	10.9	13.5	16.2	18.8	21.4	24.0	26.5
-75°	0.0	2.4	4.7	7.0	9.4	11.7	13.9	16.2	18.4	20.6	22.8
-77.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.5	15.4	17.2	19.0
-80°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-82.5°	0.0	1.2	2.4	3.6	4.7	5.9	7.0	8.2	9.3	10.4	11.5
-85°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
-87.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.8
-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°	4.2	4.5	4.9	5.2	5.5	5.8	6.1	6.4	6.7	7.0	7.2
85°	8.4	9.1	9.8	10.4	11.0	11.7	12.3	12.8	13.4	13.9	14.4
82.5°	12.5	13.6	14.6	15.6	16.5	17.4	18.3	19.2	20.0	20.8	21.5
80°	16.7	18.0	19.4	20.7	22.0	23.2	24.4	25.6	26.7	27.7	28.7
77.5°	20.8	22.5	24.2	25.9	27.5	29.0	30.5	31.9	33.3	34.6	35.9
75°	24.9	27.0	29.0	31.0	32.9	34.8	36.6	38.3	39.9	41.5	43.0
72.5°	29.0	31.4	33.7	36.1	38.3	40.4	42.5	44.5	46.4	48.3	50.0
70°	33.0	35.7	38.4	41.0	43.6	46.0	48.4	50.7	53.0	55.8	59.8
67.5°	36.9	40.0	43.0	46.0	48.8	51.6	54.3	59.5	64.5	69.3	73.2
65°	40.8	44.2	47.6	50.9	54.1	60.0	66.0	71.8	75.0	77.6	80.1
62.5°	44.6	48.4	52.1	57.0	64.1	70.9	75.0	78.2	81.3	86.8	92.4
60°	48.4	52.5	58.7	66.5	73.4	77.1	80.7	86.7	93.5	100.1	112.4
57.5°	52.1	58.7	67.4	74.2	78.3	83.1	90.9	98.6	111.9	125.9	157.0
55°	57.0	66.5	74.2	78.7	84.8	93.5	104.1	120.5	137.5	232.6	323.6
52.5°	64.1	73.4	78.3	84.8	94.4	107.6	125.6	181.1	287.4	363.9	367.8
50°	70.9	77.1	83.1	93.5	107.6	127.4	203.0	320.5	365.7	370.1	374.3
47.5°	75.0	80.7	90.9	104.1	125.6	203.0	331.6	366.6	371.4	376.1	380.6
45°	78.2	86.7	98.6	120.5	181.1	320.5	366.6	371.9	377.0	390.6	434.0
42.5°	81.3	93.5	111.9	137.5	287.4	365.7	371.4	377.0	394.9	442.6	497.3
40°	86.8	100.1	125.9	232.6	363.9	370.1	376.1	390.6	442.6	503.2	568.2
37.5°	92.4	112.4	157.0	323.6	367.8	374.3	380.6	434.0	497.3	568.2	664.3
35°	97.8	124.1	236.9	364.7	371.6	378.3	416.9	479.8	556.3	655.7	752.6
32.5°	105.9	135.2	312.6	368.0	375.1	391.6	454.0	532.7	629.9	738.1	827.1
30°	115.3	195.8	363.6	371.1	378.4	424.2	497.8	587.5	705.9	804.9	908.0
27.5°	124.1	256.5	366.3	374.0	386.9	454.8	541.7	654.3	768.4	871.3	989.9
25°	132.2	312.6	368.8	376.7	413.1	490.1	587.2	716.7	823.6	943.2	1596.8
22.5°	158.9	362.8	371.0	379.1	437.2	524.9	640.5	765.7	879.4	1037.5	2300.5
20°	200.9	364.7	373.1	384.6	459.1	556.5	689.1	809.0	936.1	1638.0	3888.0
17.5°	238.3	366.4	374.9	402.6	484.0	590.5	731.4	847.8	987.1	2179.6	5765.8
15°	271.0	367.8	376.5	418.3	506.8	625.7	763.0	888.3	1255.5	2961.8	7519.2
12.5°	298.9	369.1	377.8	431.7	526.4	655.9	790.0	924.0	1635.7	4286.3	11615.6
10°	321.8	370.1	378.9	442.8	542.5	680.8	812.3	953.5	1951.0	5386.8	15026.8
7.5°	339.7	370.9	379.8	451.4	555.1	700.3	829.9	976.7	2198.9	6253.7	17718.9
5°	352.5	371.4	380.4	457.6	564.1	714.3	842.5	993.4	2377.6	6879.0	19663.5
2.5°	360.2	371.8	380.8	461.4	569.6	722.8	850.1	1003.4	2485.4	7256.6	20839.1
0°	362.8	371.9	380.9	462.6	571.4	725.6	852.6	1006.8	2521.4	7382.9	21232.5
-2.5°	360.2	371.8	380.8	461.4	569.6	722.8	850.1	1003.4	2485.4	7256.6	20839.1
-5°	352.5	371.4	380.4	457.6	564.1	714.3	842.5	993.4	2377.6	6879.0	19663.5
-7.5°	339.7	370.9	379.8	451.4	555.1	700.3	829.9	976.7	2198.9	6253.7	17718.9
-10°	321.8	370.1	378.9	442.8	542.5	680.8	812.3	953.5	1951.0	5386.8	15026.8
-12.5°	298.9	369.1	377.8	431.7	526.4	655.9	790.0	924.0	1635.7	4286.3	11615.6
-15°	271.0	367.8	376.5	418.3	506.8	625.7	763.0	888.3	1255.5	2961.8	7519.2
-17.5°	238.3	366.4	374.9	402.6	484.0	590.5	731.4	847.8	987.1	2179.6	5765.8
-20°	200.9	364.7	373.1	384.6	459.1	556.5	689.1	809.0	936.1	1638.0	3888.0



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	158.9	362.8	371.0	379.1	437.2	524.9	640.5	765.7	879.4	1037.5	2300.5
-25°	132.2	312.6	368.8	376.7	413.1	490.1	587.2	716.7	823.6	943.2	1596.8
-27.5°	124.1	256.5	366.3	374.0	386.9	454.8	541.7	654.3	768.4	871.3	989.9
-30°	115.3	195.8	363.6	371.1	378.4	424.2	497.8	587.5	705.9	804.9	908.0
-32.5°	105.9	135.2	312.6	368.0	375.1	391.6	454.0	532.7	629.9	738.1	827.1
-35°	97.8	124.1	236.9	364.7	371.6	378.3	416.9	479.8	556.3	655.7	752.6
-37.5°	92.4	112.4	157.0	323.6	367.8	374.3	380.6	434.0	497.3	568.2	664.3
-40°	86.8	100.1	125.9	232.6	363.9	370.1	376.1	390.6	442.6	503.2	568.2
-42.5°	81.3	93.5	111.9	137.5	287.4	365.7	371.4	377.0	394.9	442.6	497.3
-45°	78.2	86.7	98.6	120.5	181.1	320.5	366.6	371.9	377.0	390.6	434.0
-47.5°	75.0	80.7	90.9	104.1	125.6	203.0	331.6	366.6	371.4	376.1	380.6
-50°	70.9	77.1	83.1	93.5	107.6	127.4	203.0	320.5	365.7	370.1	374.3
-52.5°	64.1	73.4	78.3	84.8	94.4	107.6	125.6	181.1	287.4	363.9	367.8
-55°	57.0	66.5	74.2	78.7	84.8	93.5	104.1	120.5	137.5	232.6	323.6
-57.5°	52.1	58.7	67.4	74.2	78.3	83.1	90.9	98.6	111.9	125.9	157.0
-60°	48.4	52.5	58.7	66.5	73.4	77.1	80.7	86.7	93.5	100.1	112.4
-62.5°	44.6	48.4	52.1	57.0	64.1	70.9	75.0	78.2	81.3	86.8	92.4
-65°	40.8	44.2	47.6	50.9	54.1	60.0	66.0	71.8	75.0	77.6	80.1
-67.5°	36.9	40.0	43.0	46.0	48.8	51.6	54.3	59.5	64.5	69.3	73.2
-70°	33.0	35.7	38.4	41.0	43.6	46.0	48.4	50.7	53.0	55.8	59.8
-72.5°	29.0	31.4	33.7	36.1	38.3	40.4	42.5	44.5	46.4	48.3	50.0
-75°	24.9	27.0	29.0	31.0	32.9	34.8	36.6	38.3	39.9	41.5	43.0
-77.5°	20.8	22.5	24.2	25.9	27.5	29.0	30.5	31.9	33.3	34.6	35.9
-80°	16.7	18.0	19.4	20.7	22.0	23.2	24.4	25.6	26.7	27.7	28.7
-82.5°	12.5	13.6	14.6	15.6	16.5	17.4	18.3	19.2	20.0	20.8	21.5
-85°	8.4	9.1	9.8	10.4	11.0	11.7	12.3	12.8	13.4	13.9	14.4
-87.5°	4.2	4.5	4.9	5.2	5.5	5.8	6.1	6.4	6.7	7.0	7.2
-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: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	7.7	7.9	8.1	8.2	8.4	8.6	8.7	8.8	8.9	9.0
85°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
82.5°	22.2	22.9	23.5	24.1	24.6	25.1	25.5	25.9	26.3	26.5	26.8
80°	29.7	30.6	31.4	32.2	32.9	33.5	34.1	34.6	35.0	35.4	35.7
77.5°	37.1	38.2	39.2	40.1	41.0	41.8	42.5	43.2	43.7	44.2	44.6
75°	44.4	45.7	46.9	48.1	49.2	50.2	51.0	51.8	52.5	53.1	53.6
72.5°	51.7	53.3	55.1	57.8	60.3	62.6	64.7	66.5	68.1	69.5	70.6
70°	63.6	67.3	70.6	73.2	74.6	75.9	77.1	78.1	79.0	79.8	80.5
67.5°	75.4	77.4	79.3	81.0	83.7	86.7	89.4	91.8	93.9	95.7	97.2
65°	83.5	88.0	92.3	96.3	100.1	106.8	112.8	118.2	122.9	126.9	130.1
62.5°	97.8	105.9	115.3	124.1	132.2	158.9	200.9	238.3	271.0	298.9	321.8
60°	124.1	135.2	195.8	256.5	312.6	362.8	364.7	366.4	367.8	369.1	370.1
57.5°	236.9	312.6	363.6	366.3	368.8	371.0	373.1	374.9	376.5	377.8	378.9
55°	364.7	368.0	371.1	374.0	376.7	379.1	384.6	402.6	418.3	431.7	442.8
52.5°	371.6	375.1	378.4	386.9	413.1	437.2	459.1	484.0	506.8	526.4	542.5
50°	378.3	391.6	424.2	454.8	490.1	524.9	556.5	590.5	625.7	655.9	680.8
47.5°	416.9	454.0	497.8	541.7	587.2	640.5	689.1	731.4	763.0	790.0	812.3
45°	479.8	532.7	587.5	654.3	716.7	765.7	809.0	847.8	888.3	924.0	953.5
42.5°	556.3	629.9	705.9	768.4	823.6	879.4	936.1	987.1	1255.5	1635.7	1951.0
40°	655.7	738.1	804.9	871.3	943.2	1037.5	1638.0	2179.6	2961.8	4286.3	5386.8
37.5°	752.6	827.1	908.0	989.9	1596.8	2300.5	3888.0	5765.8	7519.2	11615.6	15026.8
35°	834.6	926.5	1119.9	1977.3	3370.4	5793.6	9219.6	14995.6	20133.1	25116.2	29422.8
32.5°	926.5	1213.7	2169.9	4321.8	7093.5	13956.8	20802.9	27963.3	34416.6	38953.0	41811.6
30°	1119.9	2169.9	4641.7	8436.5	16856.6	25341.9	33874.2	39959.7	44217.9	47259.5	47987.8
27.5°	1977.3	4321.8	8436.5	17833.1	27683.6	37418.6	42997.8	47304.5	48381.8	49326.7	49878.3
25°	3370.4	7093.5	16856.6	27683.6	38163.6	44546.4	47866.4	49157.7	50018.4	50730.5	51343.2
22.5°	5793.6	13956.8	25341.9	37418.6	44546.4	48056.3	49485.2	50446.7	51331.8	52125.7	52908.7
20°	9219.6	20802.9	33874.2	42997.8	47866.4	49485.2	50591.9	51642.7	52654.7	53819.1	55006.1
17.5°	14995.6	27963.3	39959.7	47304.5	49157.7	50446.7	51642.7	52877.2	54291.0	56441.5	58591.0
15°	20133.1	34416.6	44217.9	48381.8	50018.4	51331.8	52654.7	54291.0	56933.8	60798.9	66193.8
12.5°	25116.2	38953.0	47259.5	49326.7	50730.5	52125.7	53819.1	56441.5	60798.9	67504.2	80378.4
10°	29422.8	41811.6	47987.8	49878.3	51343.2	52908.7	55006.1	58591.0	66193.8	80378.4	100731.7
7.5°	32829.3	44079.0	48567.4	50318.0	51837.8	53642.7	56581.4	62415.0	74113.6	94522.2	136354.5
5°	35294.4	45723.4	48989.0	50638.9	52200.3	54183.8	57751.7	65404.8	81711.5	113038.1	183957.0
2.5°	36786.6	46720.3	49245.0	50834.4	52421.8	54515.8	58473.9	67264.9	86495.3	128943.6	234793.7
0°	37286.2	47054.4	49330.9	50900.0	52496.3	54627.7	58718.2	67896.9	88131.8	135716.8	254010.3
-2.5°	36786.6	46720.3	49245.0	50834.4	52421.8	54515.8	58473.9	67264.9	86495.3	128943.6	234793.7
-5°	35294.4	45723.4	48989.0	50638.9	52200.3	54183.8	57751.7	65404.8	81711.5	113038.1	183957.0
-7.5°	32829.3	44079.0	48567.4	50318.0	51837.8	53642.7	56581.4	62415.0	74113.6	94522.2	136354.5
-10°	29422.8	41811.6	47987.8	49878.3	51343.2	52908.7	55006.1	58591.0	66193.8	80378.4	100731.7
-12.5°	25116.2	38953.0	47259.5	49326.7	50730.5	52125.7	53819.1	56441.5	60798.9	67504.2	80378.4
-15°	20133.1	34416.6	44217.9	48381.8	50018.4	51331.8	52654.7	54291.0	56933.8	60798.9	66193.8
-17.5°	14995.6	27963.3	39959.7	47304.5	49157.7	50446.7	51642.7	52877.2	54291.0	56441.5	58591.0
-20°	9219.6	20802.9	33874.2	42997.8	47866.4	49485.2	50591.9	51642.7	52654.7	53819.1	55006.1



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5793.6	13956.8	25341.9	37418.6	44546.4	48056.3	49485.2	50446.7	51331.8	52125.7	52908.7
-25°	3370.4	7093.5	16856.6	27683.6	38163.6	44546.4	47866.4	49157.7	50018.4	50730.5	51343.2
-27.5°	1977.3	4321.8	8436.5	17833.1	27683.6	37418.6	42997.8	47304.5	48381.8	49326.7	49878.3
-30°	1119.9	2169.9	4641.7	8436.5	16856.6	25341.9	33874.2	39959.7	44217.9	47259.5	47987.8
-32.5°	926.5	1213.7	2169.9	4321.8	7093.5	13956.8	20802.9	27963.3	34416.6	38953.0	41811.6
-35°	834.6	926.5	1119.9	1977.3	3370.4	5793.6	9219.6	14995.6	20133.1	25116.2	29422.8
-37.5°	752.6	827.1	908.0	989.9	1596.8	2300.5	3888.0	5765.8	7519.2	11615.6	15026.8
-40°	655.7	738.1	804.9	871.3	943.2	1037.5	1638.0	2179.6	2961.8	4286.3	5386.8
-42.5°	556.3	629.9	705.9	768.4	823.6	879.4	936.1	987.1	1255.5	1635.7	1951.0
-45°	479.8	532.7	587.5	654.3	716.7	765.7	809.0	847.8	888.3	924.0	953.5
-47.5°	416.9	454.0	497.8	541.7	587.2	640.5	689.1	731.4	763.0	790.0	812.3
-50°	378.3	391.6	424.2	454.8	490.1	524.9	556.5	590.5	625.7	655.9	680.8
-52.5°	371.6	375.1	378.4	386.9	413.1	437.2	459.1	484.0	506.8	526.4	542.5
-55°	364.7	368.0	371.1	374.0	376.7	379.1	384.6	402.6	418.3	431.7	442.8
-57.5°	236.9	312.6	363.6	366.3	368.8	371.0	373.1	374.9	376.5	377.8	378.9
-60°	124.1	135.2	195.8	256.5	312.6	362.8	364.7	366.4	367.8	369.1	370.1
-62.5°	97.8	105.9	115.3	124.1	132.2	158.9	200.9	238.3	271.0	298.9	321.8
-65°	83.5	88.0	92.3	96.3	100.1	106.8	112.8	118.2	122.9	126.9	130.1
-67.5°	75.4	77.4	79.3	81.0	83.7	86.7	89.4	91.8	93.9	95.7	97.2
-70°	63.6	67.3	70.6	73.2	74.6	75.9	77.1	78.1	79.0	79.8	80.5
-72.5°	51.7	53.3	55.1	57.8	60.3	62.6	64.7	66.5	68.1	69.5	70.6
-75°	44.4	45.7	46.9	48.1	49.2	50.2	51.0	51.8	52.5	53.1	53.6
-77.5°	37.1	38.2	39.2	40.1	41.0	41.8	42.5	43.2	43.7	44.2	44.6
-80°	29.7	30.6	31.4	32.2	32.9	33.5	34.1	34.6	35.0	35.4	35.7
-82.5°	22.2	22.9	23.5	24.1	24.6	25.1	25.5	25.9	26.3	26.5	26.8
-85°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
-87.5°	7.5	7.7	7.9	8.1	8.2	8.4	8.6	8.7	8.8	8.9	9.0
-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: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.8	8.7
85°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
82.5°	27.0	27.1	27.2	27.2	27.2	27.1	27.0	26.8	26.5	26.3	25.9
80°	36.0	36.2	36.3	36.3	36.3	36.2	36.0	35.7	35.4	35.0	34.6
77.5°	44.9	45.1	45.3	45.3	45.3	45.1	44.9	44.6	44.2	43.7	43.2
75°	53.9	54.2	54.3	54.4	54.3	54.2	53.9	53.6	53.1	52.5	51.8
72.5°	71.5	72.1	72.5	72.6	72.5	72.1	71.5	70.6	69.5	68.1	66.5
70°	81.0	81.3	81.5	81.6	81.5	81.3	81.0	80.5	79.8	79.0	78.1
67.5°	98.3	99.1	99.6	99.8	99.6	99.1	98.3	97.2	95.7	93.9	91.8
65°	132.7	134.5	135.6	136.0	135.6	134.5	132.7	130.1	126.9	122.9	118.2
62.5°	339.7	352.5	360.2	362.8	360.2	352.5	339.7	321.8	298.9	271.0	238.3
60°	370.9	371.4	371.8	371.9	371.8	371.4	370.9	370.1	369.1	367.8	366.4
57.5°	379.8	380.4	380.8	380.9	380.8	380.4	379.8	378.9	377.8	376.5	374.9
55°	451.4	457.6	461.4	462.6	461.4	457.6	451.4	442.8	431.7	418.3	402.6
52.5°	555.1	564.1	569.6	571.4	569.6	564.1	555.1	542.5	526.4	506.8	484.0
50°	700.3	714.3	722.8	725.6	722.8	714.3	700.3	680.8	655.9	625.7	590.5
47.5°	829.9	842.5	850.1	852.6	850.1	842.5	829.9	812.3	790.0	763.0	731.4
45°	976.7	993.4	1003.4	1006.8	1003.4	993.4	976.7	953.5	924.0	888.3	847.8
42.5°	2198.9	2377.6	2485.4	2521.4	2485.4	2377.6	2198.9	1951.0	1635.7	1255.5	987.1
40°	6253.7	6879.0	7256.6	7382.9	7256.6	6879.0	6253.7	5386.8	4286.3	2961.8	2179.6
37.5°	17718.9	19663.5	20839.1	21232.5	20839.1	19663.5	17718.9	15026.8	11615.6	7519.2	5765.8
35°	32829.3	35294.4	36786.6	37286.2	36786.6	35294.4	32829.3	29422.8	25116.2	20133.1	14995.6
32.5°	44079.0	45723.4	46720.3	47054.4	46720.3	45723.4	44079.0	41811.6	38953.0	34416.6	27963.3
30°	48567.4	48989.0	49245.0	49330.9	49245.0	48989.0	48567.4	47987.8	47259.5	44217.9	39959.7
27.5°	50318.0	50638.9	50834.4	50900.0	50834.4	50638.9	50318.0	49878.3	49326.7	48381.8	47304.5
25°	51837.8	52200.3	52421.8	52496.3	52421.8	52200.3	51837.8	51343.2	50730.5	50018.4	49157.7
22.5°	53642.7	54183.8	54515.8	54627.7	54515.8	54183.8	53642.7	52908.7	52125.7	51331.8	50446.7
20°	56581.4	57751.7	58473.9	58718.2	58473.9	57751.7	56581.4	55006.1	53819.1	52654.7	51642.7
17.5°	62415.0	65404.8	67264.9	67896.9	67264.9	65404.8	62415.0	58591.0	56441.5	54291.0	52877.2
15°	74113.6	81711.5	86495.3	88131.8	86495.3	81711.5	74113.6	66193.8	60798.9	56933.8	54291.0
12.5°	94522.2	113038.1	128943.6	135716.8	128943.6	113038.1	94522.2	80378.4	67504.2	60798.9	56441.5
10°	136354.5	183957.0	234793.7	254010.3	234793.7	183957.0	136354.5	100731.7	80378.4	66193.8	58591.0
7.5°	216708.9	347262.5	495833.0	570375.9	495833.0	347262.5	216708.9	136354.5	94522.2	74113.6	62415.0
5°	347262.5	650460.4	#####	#####	#####	650460.4	347262.5	183957.0	113038.1	81711.5	65404.8
2.5°	495833.0	#####	#####	#####	#####	#####	495833.0	234793.7	128943.6	86495.3	67264.9
0°	570375.9	#####	#####	#####	#####	#####	570375.9	254010.3	135716.8	88131.8	67896.9
-2.5°	495833.0	#####	#####	#####	#####	#####	495833.0	234793.7	128943.6	86495.3	67264.9
-5°	347262.5	650460.4	#####	#####	#####	650460.4	347262.5	183957.0	113038.1	81711.5	65404.8
-7.5°	216708.9	347262.5	495833.0	570375.9	495833.0	347262.5	216708.9	136354.5	94522.2	74113.6	62415.0
-10°	136354.5	183957.0	234793.7	254010.3	234793.7	183957.0	136354.5	100731.7	80378.4	66193.8	58591.0
-12.5°	94522.2	113038.1	128943.6	135716.8	128943.6	113038.1	94522.2	80378.4	67504.2	60798.9	56441.5
-15°	74113.6	81711.5	86495.3	88131.8	86495.3	81711.5	74113.6	66193.8	60798.9	56933.8	54291.0
-17.5°	62415.0	65404.8	67264.9	67896.9	67264.9	65404.8	62415.0	58591.0	56441.5	54291.0	52877.2
-20°	56581.4	57751.7	58473.9	58718.2	58473.9	57751.7	56581.4	55006.1	53819.1	52654.7	51642.7



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	53642.7	54183.8	54515.8	54627.7	54515.8	54183.8	53642.7	52908.7	52125.7	51331.8	50446.7
-25°	51837.8	52200.3	52421.8	52496.3	52421.8	52200.3	51837.8	51343.2	50730.5	50018.4	49157.7
-27.5°	50318.0	50638.9	50834.4	50900.0	50834.4	50638.9	50318.0	49878.3	49326.7	48381.8	47304.5
-30°	48567.4	48989.0	49245.0	49330.9	49245.0	48989.0	48567.4	47987.8	47259.5	44217.9	39959.7
-32.5°	44079.0	45723.4	46720.3	47054.4	46720.3	45723.4	44079.0	41811.6	38953.0	34416.6	27963.3
-35°	32829.3	35294.4	36786.6	37286.2	36786.6	35294.4	32829.3	29422.8	25116.2	20133.1	14995.6
-37.5°	17718.9	19663.5	20839.1	21232.5	20839.1	19663.5	17718.9	15026.8	11615.6	7519.2	5765.8
-40°	6253.7	6879.0	7256.6	7382.9	7256.6	6879.0	6253.7	5386.8	4286.3	2961.8	2179.6
-42.5°	2198.9	2377.6	2485.4	2521.4	2485.4	2377.6	2198.9	1951.0	1635.7	1255.5	987.1
-45°	976.7	993.4	1003.4	1006.8	1003.4	993.4	976.7	953.5	924.0	888.3	847.8
-47.5°	829.9	842.5	850.1	852.6	850.1	842.5	829.9	812.3	790.0	763.0	731.4
-50°	700.3	714.3	722.8	725.6	722.8	714.3	700.3	680.8	655.9	625.7	590.5
-52.5°	555.1	564.1	569.6	571.4	569.6	564.1	555.1	542.5	526.4	506.8	484.0
-55°	451.4	457.6	461.4	462.6	461.4	457.6	451.4	442.8	431.7	418.3	402.6
-57.5°	379.8	380.4	380.8	380.9	380.8	380.4	379.8	378.9	377.8	376.5	374.9
-60°	370.9	371.4	371.8	371.9	371.8	371.4	370.9	370.1	369.1	367.8	366.4
-62.5°	339.7	352.5	360.2	362.8	360.2	352.5	339.7	321.8	298.9	271.0	238.3
-65°	132.7	134.5	135.6	136.0	135.6	134.5	132.7	130.1	126.9	122.9	118.2
-67.5°	98.3	99.1	99.6	99.8	99.6	99.1	98.3	97.2	95.7	93.9	91.8
-70°	81.0	81.3	81.5	81.6	81.5	81.3	81.0	80.5	79.8	79.0	78.1
-72.5°	71.5	72.1	72.5	72.6	72.5	72.1	71.5	70.6	69.5	68.1	66.5
-75°	53.9	54.2	54.3	54.4	54.3	54.2	53.9	53.6	53.1	52.5	51.8
-77.5°	44.9	45.1	45.3	45.3	45.3	45.1	44.9	44.6	44.2	43.7	43.2
-80°	36.0	36.2	36.3	36.3	36.3	36.2	36.0	35.7	35.4	35.0	34.6
-82.5°	27.0	27.1	27.2	27.2	27.2	27.1	27.0	26.8	26.5	26.3	25.9
-85°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
-87.5°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.8	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**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°	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.4
85°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.4	12.8
82.5°	25.5	25.1	24.6	24.1	23.5	22.9	22.2	21.5	20.8	20.0	19.2
80°	34.1	33.5	32.9	32.2	31.4	30.6	29.7	28.7	27.7	26.7	25.6
77.5°	42.5	41.8	41.0	40.1	39.2	38.2	37.1	35.9	34.6	33.3	31.9
75°	51.0	50.2	49.2	48.1	46.9	45.7	44.4	43.0	41.5	39.9	38.3
72.5°	64.7	62.6	60.3	57.8	55.1	53.3	51.7	50.0	48.3	46.4	44.5
70°	77.1	75.9	74.6	73.2	70.6	67.3	63.6	59.8	55.8	53.0	50.7
67.5°	89.4	86.7	83.7	81.0	79.3	77.4	75.4	73.2	69.3	64.5	59.5
65°	112.8	106.8	100.1	96.3	92.3	88.0	83.5	80.1	77.6	75.0	71.8
62.5°	200.9	158.9	132.2	124.1	115.3	105.9	97.8	92.4	86.8	81.3	78.2
60°	364.7	362.8	312.6	256.5	195.8	135.2	124.1	112.4	100.1	93.5	86.7
57.5°	373.1	371.0	368.8	366.3	363.6	312.6	236.9	157.0	125.9	111.9	98.6
55°	384.6	379.1	376.7	374.0	371.1	368.0	364.7	323.6	232.6	137.5	120.5
52.5°	459.1	437.2	413.1	386.9	378.4	375.1	371.6	367.8	363.9	287.4	181.1
50°	556.5	524.9	490.1	454.8	424.2	391.6	378.3	374.3	370.1	365.7	320.5
47.5°	689.1	640.5	587.2	541.7	497.8	454.0	416.9	380.6	376.1	371.4	366.6
45°	809.0	765.7	716.7	654.3	587.5	532.7	479.8	434.0	390.6	377.0	371.9
42.5°	936.1	879.4	823.6	768.4	705.9	629.9	556.3	497.3	442.6	394.9	377.0
40°	1638.0	1037.5	943.2	871.3	804.9	738.1	655.7	568.2	503.2	442.6	390.6
37.5°	3888.0	2300.5	1596.8	989.9	908.0	827.1	752.6	664.3	568.2	497.3	434.0
35°	9219.6	5793.6	3370.4	1977.3	1119.9	926.5	834.6	752.6	655.7	556.3	479.8
32.5°	20802.9	13956.8	7093.5	4321.8	2169.9	1213.7	926.5	827.1	738.1	629.9	532.7
30°	33874.2	25341.9	16856.6	8436.5	4641.7	2169.9	1119.9	908.0	804.9	705.9	587.5
27.5°	42997.8	37418.6	27683.6	17833.1	8436.5	4321.8	1977.3	989.9	871.3	768.4	654.3
25°	47866.4	44546.4	38163.6	27683.6	16856.6	7093.5	3370.4	1596.8	943.2	823.6	716.7
22.5°	49485.2	48056.3	44546.4	37418.6	25341.9	13956.8	5793.6	2300.5	1037.5	879.4	765.7
20°	50591.9	49485.2	47866.4	42997.8	33874.2	20802.9	9219.6	3888.0	1638.0	936.1	809.0
17.5°	51642.7	50446.7	49157.7	47304.5	39959.7	27963.3	14995.6	5765.8	2179.6	987.1	847.8
15°	52654.7	51331.8	50018.4	48381.8	44217.9	34416.6	20133.1	7519.2	2961.8	1255.5	888.3
12.5°	53819.1	52125.7	50730.5	49326.7	47259.5	38953.0	25116.2	11615.6	4286.3	1635.7	924.0
10°	55006.1	52908.7	51343.2	49878.3	47987.8	41811.6	29422.8	15026.8	5386.8	1951.0	953.5
7.5°	56581.4	53642.7	51837.8	50318.0	48567.4	44079.0	32829.3	17718.9	6253.7	2198.9	976.7
5°	57751.7	54183.8	52200.3	50638.9	48989.0	45723.4	35294.4	19663.5	6879.0	2377.6	993.4
2.5°	58473.9	54515.8	52421.8	50834.4	49245.0	46720.3	36786.6	20839.1	7256.6	2485.4	1003.4
0°	58718.2	54627.7	52496.3	50900.0	49330.9	47054.4	37286.2	21232.5	7382.9	2521.4	1006.8
-2.5°	58473.9	54515.8	52421.8	50834.4	49245.0	46720.3	36786.6	20839.1	7256.6	2485.4	1003.4
-5°	57751.7	54183.8	52200.3	50638.9	48989.0	45723.4	35294.4	19663.5	6879.0	2377.6	993.4
-7.5°	56581.4	53642.7	51837.8	50318.0	48567.4	44079.0	32829.3	17718.9	6253.7	2198.9	976.7
-10°	55006.1	52908.7	51343.2	49878.3	47987.8	41811.6	29422.8	15026.8	5386.8	1951.0	953.5
-12.5°	53819.1	52125.7	50730.5	49326.7	47259.5	38953.0	25116.2	11615.6	4286.3	1635.7	924.0
-15°	52654.7	51331.8	50018.4	48381.8	44217.9	34416.6	20133.1	7519.2	2961.8	1255.5	888.3
-17.5°	51642.7	50446.7	49157.7	47304.5	39959.7	27963.3	14995.6	5765.8	2179.6	987.1	847.8
-20°	50591.9	49485.2	47866.4	42997.8	33874.2	20802.9	9219.6	3888.0	1638.0	936.1	809.0



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	49485.2	48056.3	44546.4	37418.6	25341.9	13956.8	5793.6	2300.5	1037.5	879.4	765.7
-25°	47866.4	44546.4	38163.6	27683.6	16856.6	7093.5	3370.4	1596.8	943.2	823.6	716.7
-27.5°	42997.8	37418.6	27683.6	17833.1	8436.5	4321.8	1977.3	989.9	871.3	768.4	654.3
-30°	33874.2	25341.9	16856.6	8436.5	4641.7	2169.9	1119.9	908.0	804.9	705.9	587.5
-32.5°	20802.9	13956.8	7093.5	4321.8	2169.9	1213.7	926.5	827.1	738.1	629.9	532.7
-35°	9219.6	5793.6	3370.4	1977.3	1119.9	926.5	834.6	752.6	655.7	556.3	479.8
-37.5°	3888.0	2300.5	1596.8	989.9	908.0	827.1	752.6	664.3	568.2	497.3	434.0
-40°	1638.0	1037.5	943.2	871.3	804.9	738.1	655.7	568.2	503.2	442.6	390.6
-42.5°	936.1	879.4	823.6	768.4	705.9	629.9	556.3	497.3	442.6	394.9	377.0
-45°	809.0	765.7	716.7	654.3	587.5	532.7	479.8	434.0	390.6	377.0	371.9
-47.5°	689.1	640.5	587.2	541.7	497.8	454.0	416.9	380.6	376.1	371.4	366.6
-50°	556.5	524.9	490.1	454.8	424.2	391.6	378.3	374.3	370.1	365.7	320.5
-52.5°	459.1	437.2	413.1	386.9	378.4	375.1	371.6	367.8	363.9	287.4	181.1
-55°	384.6	379.1	376.7	374.0	371.1	368.0	364.7	323.6	232.6	137.5	120.5
-57.5°	373.1	371.0	368.8	366.3	363.6	312.6	236.9	157.0	125.9	111.9	98.6
-60°	364.7	362.8	312.6	256.5	195.8	135.2	124.1	112.4	100.1	93.5	86.7
-62.5°	200.9	158.9	132.2	124.1	115.3	105.9	97.8	92.4	86.8	81.3	78.2
-65°	112.8	106.8	100.1	96.3	92.3	88.0	83.5	80.1	77.6	75.0	71.8
-67.5°	89.4	86.7	83.7	81.0	79.3	77.4	75.4	73.2	69.3	64.5	59.5
-70°	77.1	75.9	74.6	73.2	70.6	67.3	63.6	59.8	55.8	53.0	50.7
-72.5°	64.7	62.6	60.3	57.8	55.1	53.3	51.7	50.0	48.3	46.4	44.5
-75°	51.0	50.2	49.2	48.1	46.9	45.7	44.4	43.0	41.5	39.9	38.3
-77.5°	42.5	41.8	41.0	40.1	39.2	38.2	37.1	35.9	34.6	33.3	31.9
-80°	34.1	33.5	32.9	32.2	31.4	30.6	29.7	28.7	27.7	26.7	25.6
-82.5°	25.5	25.1	24.6	24.1	23.5	22.9	22.2	21.5	20.8	20.0	19.2
-85°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.4	12.8
-87.5°	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.4
-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: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.7
85°	12.3	11.7	11.0	10.4	9.8	9.1	8.4	7.7	7.0	6.2	5.5
82.5°	18.3	17.4	16.5	15.6	14.6	13.6	12.5	11.5	10.4	9.3	8.2
80°	24.4	23.2	22.0	20.7	19.4	18.0	16.7	15.3	13.8	12.4	10.9
77.5°	30.5	29.0	27.5	25.9	24.2	22.5	20.8	19.0	17.2	15.4	13.5
75°	36.6	34.8	32.9	31.0	29.0	27.0	24.9	22.8	20.6	18.4	16.2
72.5°	42.5	40.4	38.3	36.1	33.7	31.4	29.0	26.5	24.0	21.4	18.8
70°	48.4	46.0	43.6	41.0	38.4	35.7	33.0	30.2	27.3	24.4	21.4
67.5°	54.3	51.6	48.8	46.0	43.0	40.0	36.9	33.8	30.6	27.3	24.0
65°	66.0	60.0	54.1	50.9	47.6	44.2	40.8	37.3	33.8	30.2	26.5
62.5°	75.0	70.9	64.1	57.0	52.1	48.4	44.6	40.8	36.9	33.0	29.0
60°	80.7	77.1	73.4	66.5	58.7	52.5	48.4	44.2	40.0	35.7	31.4
57.5°	90.9	83.1	78.3	74.2	67.4	58.7	52.1	47.6	43.0	38.4	33.7
55°	104.1	93.5	84.8	78.7	74.2	66.5	57.0	50.9	46.0	41.0	36.1
52.5°	125.6	107.6	94.4	84.8	78.3	73.4	64.1	54.1	48.8	43.6	38.3
50°	203.0	127.4	107.6	93.5	83.1	77.1	70.9	60.0	51.6	46.0	40.4
47.5°	331.6	203.0	125.6	104.1	90.9	80.7	75.0	66.0	54.3	48.4	42.5
45°	366.6	320.5	181.1	120.5	98.6	86.7	78.2	71.8	59.5	50.7	44.5
42.5°	371.4	365.7	287.4	137.5	111.9	93.5	81.3	75.0	64.5	53.0	46.4
40°	376.1	370.1	363.9	232.6	125.9	100.1	86.8	77.6	69.3	55.8	48.3
37.5°	380.6	374.3	367.8	323.6	157.0	112.4	92.4	80.1	73.2	59.8	50.0
35°	416.9	378.3	371.6	364.7	236.9	124.1	97.8	83.5	75.4	63.6	51.7
32.5°	454.0	391.6	375.1	368.0	312.6	135.2	105.9	88.0	77.4	67.3	53.3
30°	497.8	424.2	378.4	371.1	363.6	195.8	115.3	92.3	79.3	70.6	55.1
27.5°	541.7	454.8	386.9	374.0	366.3	256.5	124.1	96.3	81.0	73.2	57.8
25°	587.2	490.1	413.1	376.7	368.8	312.6	132.2	100.1	83.7	74.6	60.3
22.5°	640.5	524.9	437.2	379.1	371.0	362.8	158.9	106.8	86.7	75.9	62.6
20°	689.1	556.5	459.1	384.6	373.1	364.7	200.9	112.8	89.4	77.1	64.7
17.5°	731.4	590.5	484.0	402.6	374.9	366.4	238.3	118.2	91.8	78.1	66.5
15°	763.0	625.7	506.8	418.3	376.5	367.8	271.0	122.9	93.9	79.0	68.1
12.5°	790.0	655.9	526.4	431.7	377.8	369.1	298.9	126.9	95.7	79.8	69.5
10°	812.3	680.8	542.5	442.8	378.9	370.1	321.8	130.1	97.2	80.5	70.6
7.5°	829.9	700.3	555.1	451.4	379.8	370.9	339.7	132.7	98.3	81.0	71.5
5°	842.5	714.3	564.1	457.6	380.4	371.4	352.5	134.5	99.1	81.3	72.1
2.5°	850.1	722.8	569.6	461.4	380.8	371.8	360.2	135.6	99.6	81.5	72.5
0°	852.6	725.6	571.4	462.6	380.9	371.9	362.8	136.0	99.8	81.6	72.6
-2.5°	850.1	722.8	569.6	461.4	380.8	371.8	360.2	135.6	99.6	81.5	72.5
-5°	842.5	714.3	564.1	457.6	380.4	371.4	352.5	134.5	99.1	81.3	72.1
-7.5°	829.9	700.3	555.1	451.4	379.8	370.9	339.7	132.7	98.3	81.0	71.5
-10°	812.3	680.8	542.5	442.8	378.9	370.1	321.8	130.1	97.2	80.5	70.6
-12.5°	790.0	655.9	526.4	431.7	377.8	369.1	298.9	126.9	95.7	79.8	69.5
-15°	763.0	625.7	506.8	418.3	376.5	367.8	271.0	122.9	93.9	79.0	68.1
-17.5°	731.4	590.5	484.0	402.6	374.9	366.4	238.3	118.2	91.8	78.1	66.5
-20°	689.1	556.5	459.1	384.6	373.1	364.7	200.9	112.8	89.4	77.1	64.7



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	640.5	524.9	437.2	379.1	371.0	362.8	158.9	106.8	86.7	75.9	62.6
-25°	587.2	490.1	413.1	376.7	368.8	312.6	132.2	100.1	83.7	74.6	60.3
-27.5°	541.7	454.8	386.9	374.0	366.3	256.5	124.1	96.3	81.0	73.2	57.8
-30°	497.8	424.2	378.4	371.1	363.6	195.8	115.3	92.3	79.3	70.6	55.1
-32.5°	454.0	391.6	375.1	368.0	312.6	135.2	105.9	88.0	77.4	67.3	53.3
-35°	416.9	378.3	371.6	364.7	236.9	124.1	97.8	83.5	75.4	63.6	51.7
-37.5°	380.6	374.3	367.8	323.6	157.0	112.4	92.4	80.1	73.2	59.8	50.0
-40°	376.1	370.1	363.9	232.6	125.9	100.1	86.8	77.6	69.3	55.8	48.3
-42.5°	371.4	365.7	287.4	137.5	111.9	93.5	81.3	75.0	64.5	53.0	46.4
-45°	366.6	320.5	181.1	120.5	98.6	86.7	78.2	71.8	59.5	50.7	44.5
-47.5°	331.6	203.0	125.6	104.1	90.9	80.7	75.0	66.0	54.3	48.4	42.5
-50°	203.0	127.4	107.6	93.5	83.1	77.1	70.9	60.0	51.6	46.0	40.4
-52.5°	125.6	107.6	94.4	84.8	78.3	73.4	64.1	54.1	48.8	43.6	38.3
-55°	104.1	93.5	84.8	78.7	74.2	66.5	57.0	50.9	46.0	41.0	36.1
-57.5°	90.9	83.1	78.3	74.2	67.4	58.7	52.1	47.6	43.0	38.4	33.7
-60°	80.7	77.1	73.4	66.5	58.7	52.5	48.4	44.2	40.0	35.7	31.4
-62.5°	75.0	70.9	64.1	57.0	52.1	48.4	44.6	40.8	36.9	33.0	29.0
-65°	66.0	60.0	54.1	50.9	47.6	44.2	40.8	37.3	33.8	30.2	26.5
-67.5°	54.3	51.6	48.8	46.0	43.0	40.0	36.9	33.8	30.6	27.3	24.0
-70°	48.4	46.0	43.6	41.0	38.4	35.7	33.0	30.2	27.3	24.4	21.4
-72.5°	42.5	40.4	38.3	36.1	33.7	31.4	29.0	26.5	24.0	21.4	18.8
-75°	36.6	34.8	32.9	31.0	29.0	27.0	24.9	22.8	20.6	18.4	16.2
-77.5°	30.5	29.0	27.5	25.9	24.2	22.5	20.8	19.0	17.2	15.4	13.5
-80°	24.4	23.2	22.0	20.7	19.4	18.0	16.7	15.3	13.8	12.4	10.9
-82.5°	18.3	17.4	16.5	15.6	14.6	13.6	12.5	11.5	10.4	9.3	8.2
-85°	12.3	11.7	11.0	10.4	9.8	9.1	8.4	7.7	7.0	6.2	5.5
-87.5°	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**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°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
85°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
82.5°	7.0	5.9	4.7	3.6	2.4	1.2	0.0
80°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
77.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
75°	13.9	11.7	9.4	7.0	4.7	2.4	0.0
72.5°	16.2	13.5	10.9	8.2	5.5	2.7	0.0
70°	18.4	15.4	12.4	9.3	6.2	3.1	0.0
67.5°	20.6	17.2	13.8	10.4	7.0	3.5	0.0
65°	22.8	19.0	15.3	11.5	7.7	3.8	0.0
62.5°	24.9	20.8	16.7	12.5	8.4	4.2	0.0
60°	27.0	22.5	18.0	13.6	9.1	4.5	0.0
57.5°	29.0	24.2	19.4	14.6	9.8	4.9	0.0
55°	31.0	25.9	20.7	15.6	10.4	5.2	0.0
52.5°	32.9	27.5	22.0	16.5	11.0	5.5	0.0
50°	34.8	29.0	23.2	17.4	11.7	5.8	0.0
47.5°	36.6	30.5	24.4	18.3	12.3	6.1	0.0
45°	38.3	31.9	25.6	19.2	12.8	6.4	0.0
42.5°	39.9	33.3	26.7	20.0	13.4	6.7	0.0
40°	41.5	34.6	27.7	20.8	13.9	7.0	0.0
37.5°	43.0	35.9	28.7	21.5	14.4	7.2	0.0
35°	44.4	37.1	29.7	22.2	14.8	7.5	0.0
32.5°	45.7	38.2	30.6	22.9	15.3	7.7	0.0
30°	46.9	39.2	31.4	23.5	15.7	7.9	0.0
27.5°	48.1	40.1	32.2	24.1	16.1	8.1	0.0
25°	49.2	41.0	32.9	24.6	16.4	8.2	0.0
22.5°	50.2	41.8	33.5	25.1	16.7	8.4	0.0
20°	51.0	42.5	34.1	25.5	17.0	8.6	0.0
17.5°	51.8	43.2	34.6	25.9	17.3	8.7	0.0
15°	52.5	43.7	35.0	26.3	17.5	8.8	0.0
12.5°	53.1	44.2	35.4	26.5	17.7	8.9	0.0
10°	53.6	44.6	35.7	26.8	17.8	9.0	0.0
7.5°	53.9	44.9	36.0	27.0	17.9	9.0	0.0
5°	54.2	45.1	36.2	27.1	18.0	9.1	0.0
2.5°	54.3	45.3	36.3	27.2	18.1	9.1	0.0
0°	54.4	45.3	36.3	27.2	18.1	9.1	0.0
-2.5°	54.3	45.3	36.3	27.2	18.1	9.1	0.0
-5°	54.2	45.1	36.2	27.1	18.0	9.1	0.0
-7.5°	53.9	44.9	36.0	27.0	17.9	9.0	0.0
-10°	53.6	44.6	35.7	26.8	17.8	9.0	0.0
-12.5°	53.1	44.2	35.4	26.5	17.7	8.9	0.0
-15°	52.5	43.7	35.0	26.3	17.5	8.8	0.0
-17.5°	51.8	43.2	34.6	25.9	17.3	8.7	0.0
-20°	51.0	42.5	34.1	25.5	17.0	8.6	0.0



REPORT NUMBER: P1306487 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-1R-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.2	41.8	33.5	25.1	16.7	8.4	0.0
-25°	49.2	41.0	32.9	24.6	16.4	8.2	0.0
-27.5°	48.1	40.1	32.2	24.1	16.1	8.1	0.0
-30°	46.9	39.2	31.4	23.5	15.7	7.9	0.0
-32.5°	45.7	38.2	30.6	22.9	15.3	7.7	0.0
-35°	44.4	37.1	29.7	22.2	14.8	7.5	0.0
-37.5°	43.0	35.9	28.7	21.5	14.4	7.2	0.0
-40°	41.5	34.6	27.7	20.8	13.9	7.0	0.0
-42.5°	39.9	33.3	26.7	20.0	13.4	6.7	0.0
-45°	38.3	31.9	25.6	19.2	12.8	6.4	0.0
-47.5°	36.6	30.5	24.4	18.3	12.3	6.1	0.0
-50°	34.8	29.0	23.2	17.4	11.7	5.8	0.0
-52.5°	32.9	27.5	22.0	16.5	11.0	5.5	0.0
-55°	31.0	25.9	20.7	15.6	10.4	5.2	0.0
-57.5°	29.0	24.2	19.4	14.6	9.8	4.9	0.0
-60°	27.0	22.5	18.0	13.6	9.1	4.5	0.0
-62.5°	24.9	20.8	16.7	12.5	8.4	4.2	0.0
-65°	22.8	19.0	15.3	11.5	7.7	3.8	0.0
-67.5°	20.6	17.2	13.8	10.4	7.0	3.5	0.0
-70°	18.4	15.4	12.4	9.3	6.2	3.1	0.0
-72.5°	16.2	13.5	10.9	8.2	5.5	2.7	0.0
-75°	13.9	11.7	9.4	7.0	4.7	2.4	0.0
-77.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
-80°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-82.5°	7.0	5.9	4.7	3.6	2.4	1.2	0.0
-85°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
-87.5°	2.4	2.0	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)