

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: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-2S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

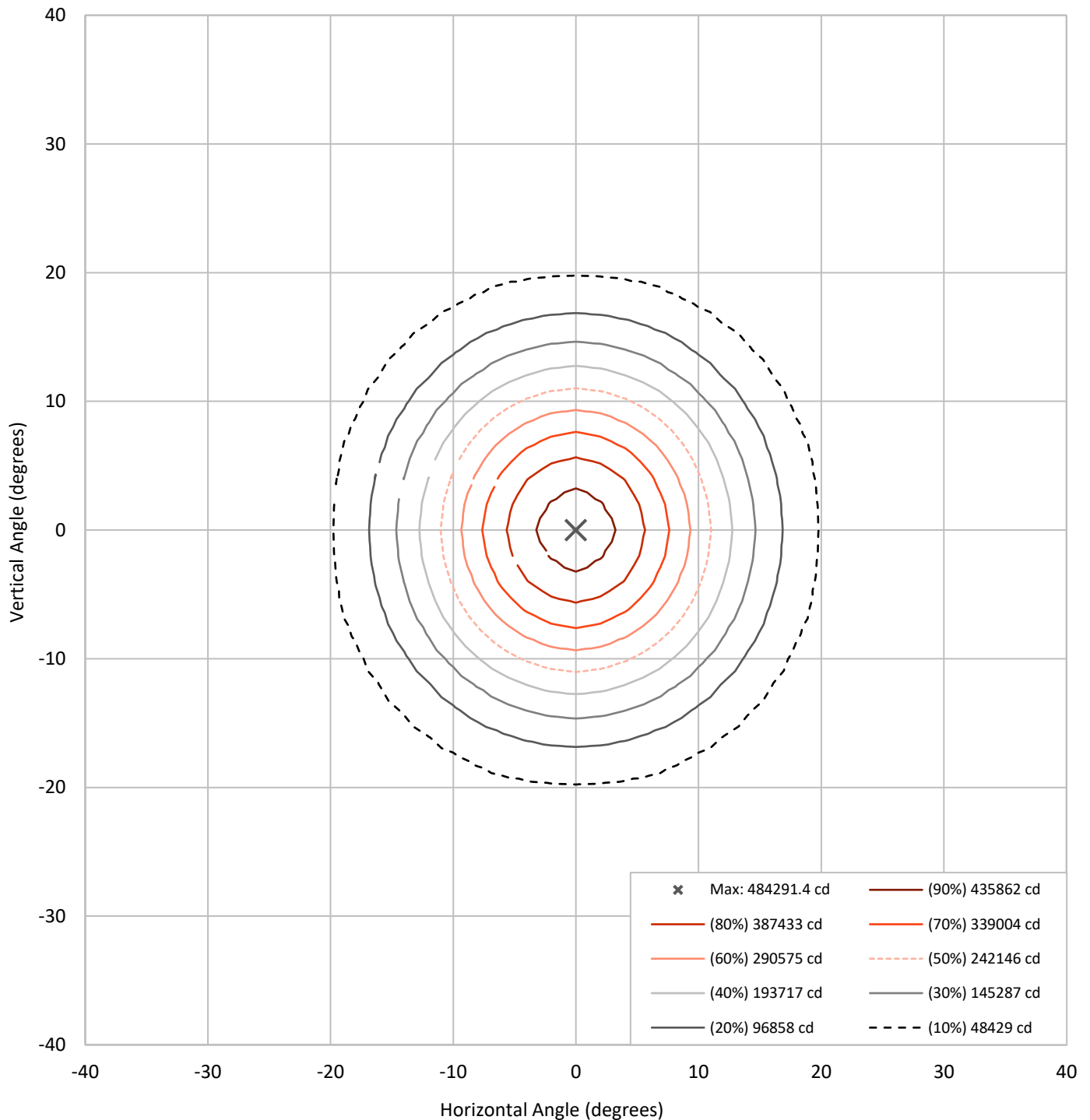
Test Method: LM-79-08  
Report Number: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-40-80-2S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	87236.2 lumens	Max Intensity:	484291.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	38555.5 lumens	Field Lumens:	71606.7 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	670		
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		

REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

### Iso-Candela Plot



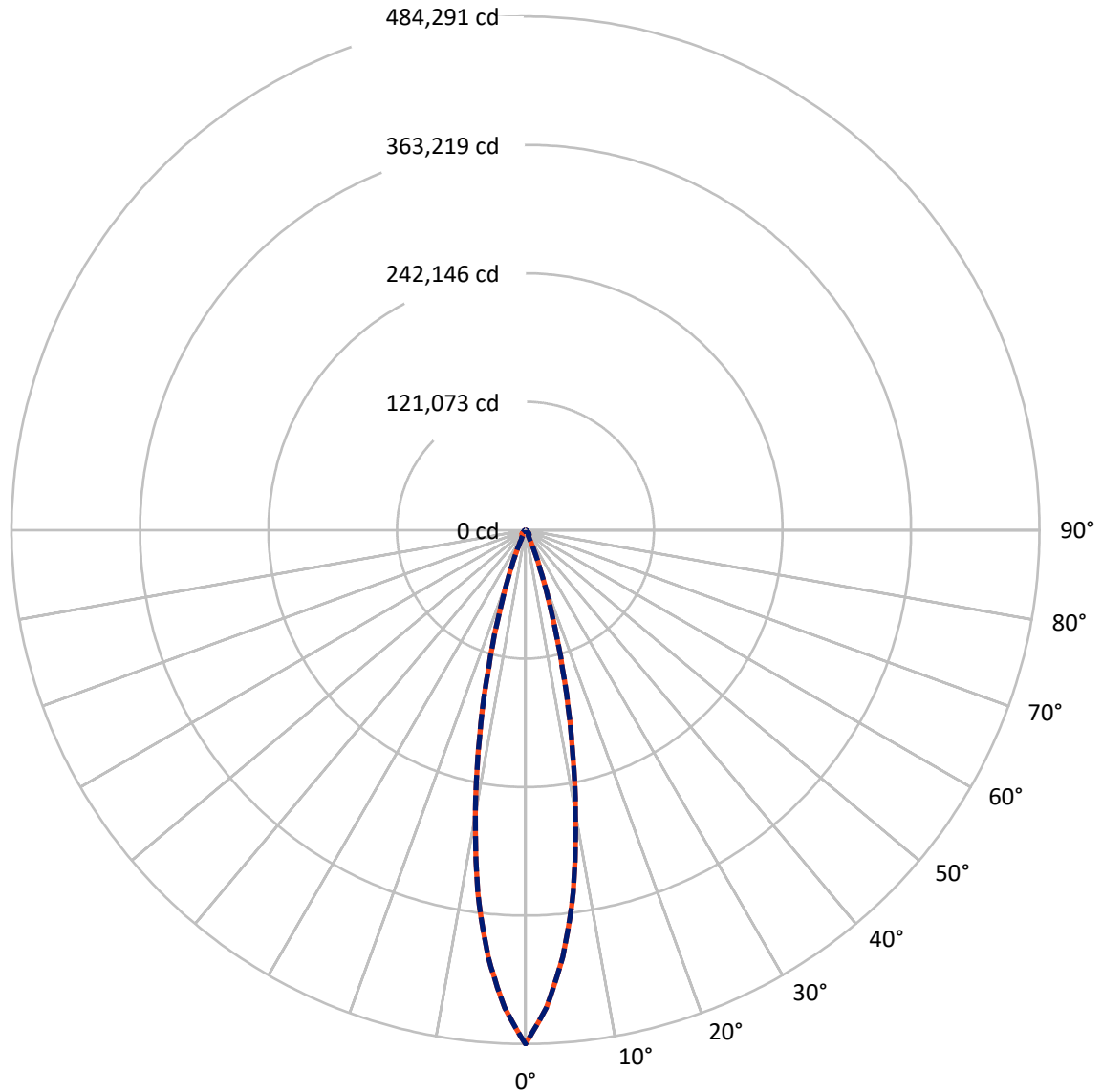
REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

### Lumen Table

90	0.2	0.9	3.1	7.7	10.1	7.7	3.1	0.9	0.2							
80	0.2	0.9	3.1	7.7	10.1	7.7	3.1	0.9	0.2							
70	0.4	0.5	1.8	5.5	10.9	16.8	21.7	24.3	24.3	21.7	16.8	10.9	5.5	1.8	0.5	0.4
60		1.4	6.4	15.5	26.8	37.3	44.5	48.1	48.1	44.5	37.3	26.8	15.5	6.4	1.4	
50	1.0	3.4	12.7	26.9	41.0	66.5	101.8	121.9	121.9	101.8	66.5	41.0	26.9	12.7	3.4	1.0
40		5.8	19.0	35.5	78.4	134.6	157.7	165.8	165.8	157.7	134.6	78.4	35.5	19.0	5.8	
30	2.2	8.1	23.8	52.4	121.8	151.6	207.2	422.9	422.9	207.2	151.6	121.8	52.4	23.8	8.1	2.2
20		9.8	26.6	75.5	133.8	195.1	1233.8	3656.0	3656.0	1233.8	195.1	133.8	75.5	26.6	9.8	
10	2.8	10.6	27.9	87.5	136.4	389.8	3563.2	10020.7	10020.7	3563.2	389.8	136.4	87.5	27.9	10.6	2.8
0		10.6	27.9	87.5	136.4	389.8	3563.2	10020.7	10020.7	3563.2	389.8	136.4	87.5	27.9	10.6	
-10	2.2	9.8	26.6	75.5	133.8	195.1	1233.8	3656.0	3656.0	1233.8	195.1	133.8	75.5	26.6	9.8	2.2
-20		8.1	23.8	52.4	121.8	151.6	207.2	422.9	422.9	207.2	151.6	121.8	52.4	23.8	8.1	
-30	1.0	5.8	19.0	35.5	78.4	134.6	157.7	165.8	165.8	157.7	134.6	78.4	35.5	19.0	5.8	1.0
-40		3.4	12.7	26.9	41.0	66.5	101.8	121.9	121.9	101.8	66.5	41.0	26.9	12.7	3.4	
-50	0.4	1.4	6.4	15.5	26.8	37.3	44.5	48.1	48.1	44.5	37.3	26.8	15.5	6.4	1.4	0.4
-60		0.5	1.8	5.5	10.9	16.8	21.7	24.3	24.3	21.7	16.8	10.9	5.5	1.8	0.5	
-70	0.2	0.9	3.1	7.7	10.1	7.7	3.1	0.9	0.2							
-80		0.2	0.9	3.1	7.7	10.1	7.7	3.1	0.9	0.2						
-90	0.2	0.9	3.1	7.7	10.1	7.7	3.1	0.9	0.2							

REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

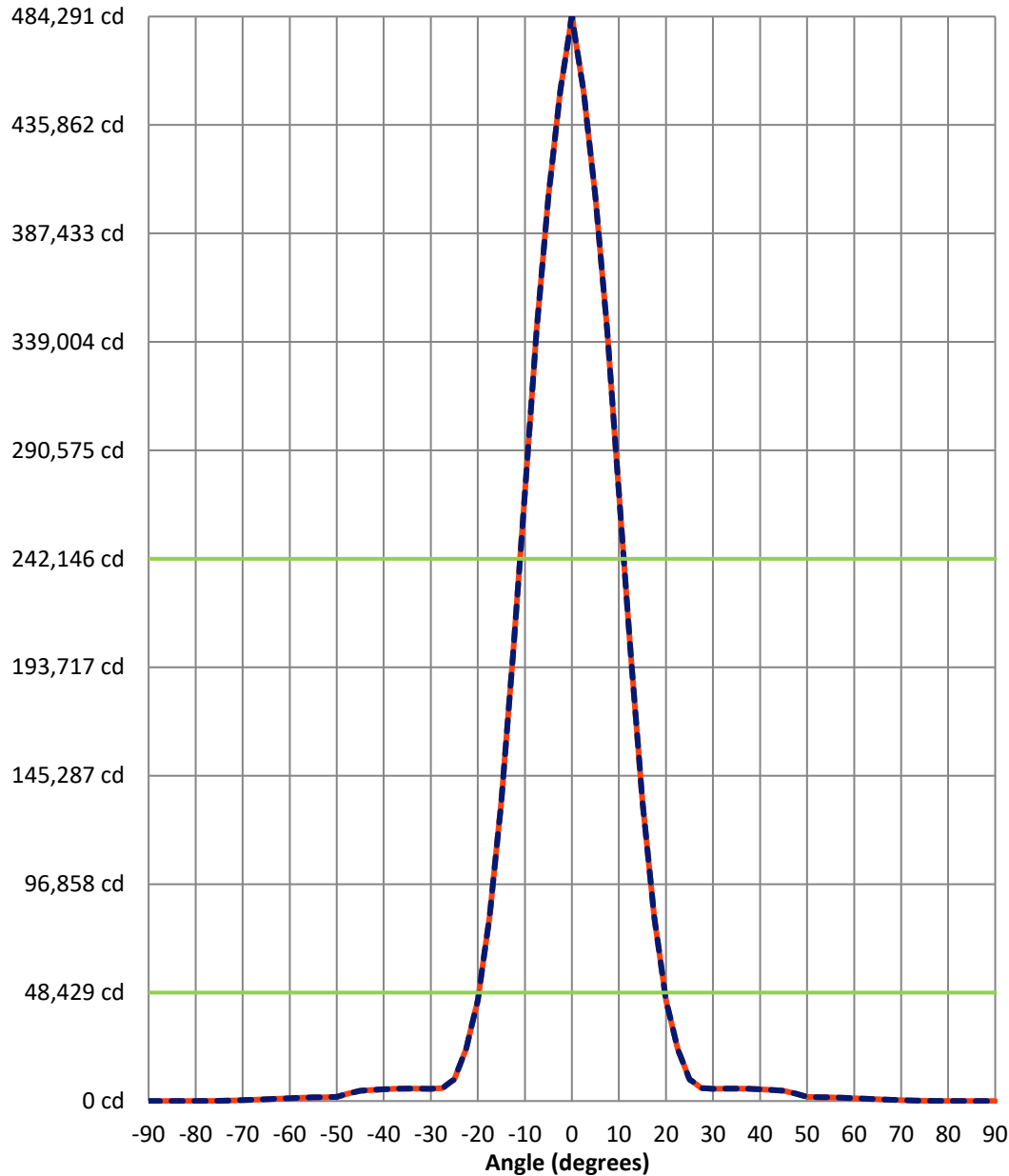
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

### Luminous Intensity Plot



**Beam:**  
H Angle: 22°  
V Angle: 22°  
Lumens: 38555.5  
Efficiency: 44.2%

**Field:**  
H Angle: 39.6°  
V Angle: 39.6°  
Lumens: 71606.7  
Efficiency: 82.1%

**Spill:**  
Lumens: 15629.4  
Efficiency: 17.9%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-Deg



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

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	1.9	2.3	2.7	3.1	3.4	3.8
85°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.1	6.9	7.6
82.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.1	9.1	9.7	10.2
80°	0.0	1.6	3.1	4.7	6.2	7.8	9.1	9.9	10.7	11.4	12.1
77.5°	0.0	1.9	3.9	5.8	7.8	9.3	10.3	11.3	12.2	13.1	14.2
75°	0.0	2.3	4.7	7.0	9.1	10.3	11.5	12.6	13.8	15.2	16.7
72.5°	0.0	2.7	5.4	8.1	9.9	11.3	12.6	14.1	15.8	17.5	19.1
70°	0.0	3.1	6.1	9.1	10.7	12.2	13.8	15.8	17.7	19.7	23.0
67.5°	0.0	3.4	6.9	9.7	11.4	13.1	15.2	17.5	19.7	23.5	27.2
65°	0.0	3.8	7.6	10.2	12.1	14.2	16.7	19.1	23.0	27.2	32.2
62.5°	0.0	4.2	8.3	10.8	12.9	15.4	18.1	21.6	26.3	31.4	39.2
60°	0.0	4.5	9.0	11.3	13.6	16.5	19.4	24.4	29.5	37.6	46.0
57.5°	0.0	4.8	9.3	11.8	14.4	17.6	21.7	27.2	34.4	43.6	63.6
55°	0.0	5.2	9.7	12.3	15.3	18.7	24.0	29.8	39.6	52.6	86.0
52.5°	0.0	5.5	10.0	12.8	16.2	19.9	26.2	34.1	44.7	72.2	107.7
50°	0.0	5.8	10.3	13.3	17.0	21.7	28.3	38.4	53.1	91.2	150.9
47.5°	0.0	6.1	10.6	13.7	17.8	23.4	30.6	42.6	69.5	109.6	195.3
45°	0.0	6.4	10.9	14.3	18.5	25.1	34.0	46.6	85.2	147.5	238.1
42.5°	0.0	6.6	11.2	14.9	19.3	26.7	37.3	55.8	100.3	184.5	287.9
40°	0.0	6.9	11.4	15.4	20.2	28.2	40.5	68.4	120.1	219.8	337.0
37.5°	0.0	7.1	11.7	15.9	21.4	29.6	43.5	80.4	149.9	255.7	383.9
35°	0.0	7.4	11.9	16.3	22.4	31.6	46.3	91.7	178.1	295.5	429.2
32.5°	0.0	7.6	12.2	16.8	23.5	33.8	50.9	102.4	204.7	333.0	473.4
30°	0.0	7.8	12.4	17.2	24.4	35.9	59.4	115.1	229.6	368.1	514.9
27.5°	0.0	8.0	12.6	17.6	25.3	37.8	67.3	135.2	254.8	400.8	553.5
25°	0.0	8.2	12.7	17.9	26.1	39.6	74.6	153.7	281.4	432.0	589.4
22.5°	0.0	8.3	12.9	18.2	26.9	41.2	81.2	170.6	305.7	461.0	629.7
20°	0.0	8.5	13.0	18.5	27.5	42.7	87.2	185.8	327.5	487.2	666.1
17.5°	0.0	8.6	13.2	18.8	28.1	43.9	92.5	199.4	346.9	510.4	698.5
15°	0.0	8.7	13.3	19.0	28.7	45.1	97.1	211.1	363.9	530.7	726.8
12.5°	0.0	8.8	13.4	19.2	29.1	46.0	101.0	221.2	378.3	548.0	750.8
10°	0.0	8.9	13.5	19.3	29.5	46.8	104.2	229.4	390.1	562.2	770.6
7.5°	0.0	8.9	13.5	19.4	29.7	47.4	106.8	235.8	399.4	573.3	786.1
5°	0.0	9.0	13.6	19.5	29.9	47.9	108.6	240.4	406.0	581.2	797.1
2.5°	0.0	9.0	13.6	19.6	30.1	48.1	109.6	243.2	410.0	586.0	803.8
0°	0.0	9.0	13.6	19.6	30.1	48.2	110.0	244.1	411.3	587.6	806.0
-2.5°	0.0	9.0	13.6	19.6	30.1	48.1	109.6	243.2	410.0	586.0	803.8
-5°	0.0	9.0	13.6	19.5	29.9	47.9	108.6	240.4	406.0	581.2	797.1
-7.5°	0.0	8.9	13.5	19.4	29.7	47.4	106.8	235.8	399.4	573.3	786.1
-10°	0.0	8.9	13.5	19.3	29.5	46.8	104.2	229.4	390.1	562.2	770.6
-12.5°	0.0	8.8	13.4	19.2	29.1	46.0	101.0	221.2	378.3	548.0	750.8
-15°	0.0	8.7	13.3	19.0	28.7	45.1	97.1	211.1	363.9	530.7	726.8
-17.5°	0.0	8.6	13.2	18.8	28.1	43.9	92.5	199.4	346.9	510.4	698.5
-20°	0.0	8.5	13.0	18.5	27.5	42.7	87.2	185.8	327.5	487.2	666.1



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.3	12.9	18.2	26.9	41.2	81.2	170.6	305.7	461.0	629.7
-25°	0.0	8.2	12.7	17.9	26.1	39.6	74.6	153.7	281.4	432.0	589.4
-27.5°	0.0	8.0	12.6	17.6	25.3	37.8	67.3	135.2	254.8	400.8	553.5
-30°	0.0	7.8	12.4	17.2	24.4	35.9	59.4	115.1	229.6	368.1	514.9
-32.5°	0.0	7.6	12.2	16.8	23.5	33.8	50.9	102.4	204.7	333.0	473.4
-35°	0.0	7.4	11.9	16.3	22.4	31.6	46.3	91.7	178.1	295.5	429.2
-37.5°	0.0	7.1	11.7	15.9	21.4	29.6	43.5	80.4	149.9	255.7	383.9
-40°	0.0	6.9	11.4	15.4	20.2	28.2	40.5	68.4	120.1	219.8	337.0
-42.5°	0.0	6.6	11.2	14.9	19.3	26.7	37.3	55.8	100.3	184.5	287.9
-45°	0.0	6.4	10.9	14.3	18.5	25.1	34.0	46.6	85.2	147.5	238.1
-47.5°	0.0	6.1	10.6	13.7	17.8	23.4	30.6	42.6	69.5	109.6	195.3
-50°	0.0	5.8	10.3	13.3	17.0	21.7	28.3	38.4	53.1	91.2	150.9
-52.5°	0.0	5.5	10.0	12.8	16.2	19.9	26.2	34.1	44.7	72.2	107.7
-55°	0.0	5.2	9.7	12.3	15.3	18.7	24.0	29.8	39.6	52.6	86.0
-57.5°	0.0	4.8	9.3	11.8	14.4	17.6	21.7	27.2	34.4	43.6	63.6
-60°	0.0	4.5	9.0	11.3	13.6	16.5	19.4	24.4	29.5	37.6	46.0
-62.5°	0.0	4.2	8.3	10.8	12.9	15.4	18.1	21.6	26.3	31.4	39.2
-65°	0.0	3.8	7.6	10.2	12.1	14.2	16.7	19.1	23.0	27.2	32.2
-67.5°	0.0	3.4	6.9	9.7	11.4	13.1	15.2	17.5	19.7	23.5	27.2
-70°	0.0	3.1	6.1	9.1	10.7	12.2	13.8	15.8	17.7	19.7	23.0
-72.5°	0.0	2.7	5.4	8.1	9.9	11.3	12.6	14.1	15.8	17.5	19.1
-75°	0.0	2.3	4.7	7.0	9.1	10.3	11.5	12.6	13.8	15.2	16.7
-77.5°	0.0	1.9	3.9	5.8	7.8	9.3	10.3	11.3	12.2	13.1	14.2
-80°	0.0	1.6	3.1	4.7	6.2	7.8	9.1	9.9	10.7	11.4	12.1
-82.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.1	9.1	9.7	10.2
-85°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.1	6.9	7.6
-87.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.4	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



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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°	4.2	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.6	6.9	7.1
85°	8.3	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.2	11.4	11.7
82.5°	10.8	11.3	11.8	12.3	12.8	13.3	13.7	14.3	14.9	15.4	15.9
80°	12.9	13.6	14.4	15.3	16.2	17.0	17.8	18.5	19.3	20.2	21.4
77.5°	15.4	16.5	17.6	18.7	19.9	21.7	23.4	25.1	26.7	28.2	29.6
75°	18.1	19.4	21.7	24.0	26.2	28.3	30.6	34.0	37.3	40.5	43.5
72.5°	21.6	24.4	27.2	29.8	34.1	38.4	42.6	46.6	55.8	68.4	80.4
70°	26.3	29.5	34.4	39.6	44.7	53.1	69.5	85.2	100.3	120.1	149.9
67.5°	31.4	37.6	43.6	52.6	72.2	91.2	109.6	147.5	184.5	219.8	255.7
65°	39.2	46.0	63.6	86.0	107.7	150.9	195.3	238.1	287.9	337.0	383.9
62.5°	46.8	69.2	94.3	129.2	181.1	231.5	289.4	348.2	404.8	461.7	516.3
60°	69.2	97.1	141.3	199.4	258.9	327.5	394.1	461.0	526.4	589.4	663.7
57.5°	94.3	141.3	205.5	274.2	350.6	425.7	501.9	575.6	660.7	745.3	827.0
55°	129.2	199.4	274.2	358.3	442.1	526.6	613.7	712.3	807.5	902.9	994.2
52.5°	181.1	258.9	350.6	442.1	534.9	634.4	743.5	851.2	957.8	1059.4	1154.0
50°	231.5	327.5	425.7	526.6	634.4	754.0	873.2	991.1	1102.4	1208.1	1314.1
47.5°	289.4	394.1	501.9	613.7	743.5	873.2	1002.2	1124.0	1240.9	1361.6	1478.6
45°	348.2	461.0	575.6	712.3	851.2	991.1	1124.0	1251.9	1385.6	1506.6	1593.7
42.5°	404.8	526.4	660.7	807.5	957.8	1102.4	1240.9	1385.6	1515.1	1611.0	1666.6
40°	461.7	589.4	745.3	902.9	1059.4	1208.1	1361.6	1506.6	1611.0	1669.2	1698.0
37.5°	516.3	663.7	827.0	994.2	1154.0	1314.1	1478.6	1593.7	1666.6	1698.0	1807.5
35°	568.2	734.2	907.2	1079.3	1244.2	1418.5	1559.3	1658.8	1692.7	1797.4	2196.9
32.5°	624.2	800.9	983.1	1158.5	1335.8	1508.6	1633.8	1682.2	1767.4	2026.0	3073.2
30°	681.2	866.0	1053.6	1233.0	1422.7	1574.1	1666.8	1718.1	1855.8	2811.7	3809.4
27.5°	734.2	926.8	1117.6	1306.6	1499.0	1635.5	1686.2	1795.8	2381.9	3520.7	4454.2
25°	783.2	983.1	1176.8	1376.2	1551.7	1663.4	1717.7	1868.4	3031.4	4086.8	4728.3
22.5°	828.9	1034.6	1231.1	1440.0	1600.2	1678.8	1779.8	2350.6	3584.0	4594.7	4896.3
20°	871.1	1079.3	1282.4	1494.5	1644.2	1692.8	1836.3	2859.8	4030.5	4738.1	5034.1
17.5°	908.6	1119.1	1329.6	1530.6	1660.7	1721.6	1947.4	3317.0	4432.3	4867.4	5151.1
15°	941.4	1154.0	1370.8	1562.1	1670.8	1762.6	2318.5	3654.7	4646.8	4976.4	5254.2
12.5°	969.4	1183.7	1406.0	1589.1	1679.4	1797.6	2636.4	3935.4	4737.5	5058.9	5327.3
10°	992.3	1208.1	1435.0	1611.3	1686.6	1826.6	2899.4	4167.8	4812.8	5127.5	5388.2
7.5°	1010.3	1227.2	1457.7	1628.7	1692.2	1849.3	3105.6	4350.3	4872.0	5181.5	5436.2
5°	1023.2	1240.9	1473.9	1641.2	1696.2	1865.6	3254.0	4481.7	4914.7	5220.4	5470.9
2.5°	1030.9	1249.1	1483.7	1648.7	1698.6	1875.4	3343.3	4560.9	4940.4	5243.9	5491.9
0°	1033.5	1251.9	1487.0	1651.2	1699.4	1878.7	3373.2	4587.4	4949.0	5251.8	5498.9
-2.5°	1030.9	1249.1	1483.7	1648.7	1698.6	1875.4	3343.3	4560.9	4940.4	5243.9	5491.9
-5°	1023.2	1240.9	1473.9	1641.2	1696.2	1865.6	3254.0	4481.7	4914.7	5220.4	5470.9
-7.5°	1010.3	1227.2	1457.7	1628.7	1692.2	1849.3	3105.6	4350.3	4872.0	5181.5	5436.2
-10°	992.3	1208.1	1435.0	1611.3	1686.6	1826.6	2899.4	4167.8	4812.8	5127.5	5388.2
-12.5°	969.4	1183.7	1406.0	1589.1	1679.4	1797.6	2636.4	3935.4	4737.5	5058.9	5327.3
-15°	941.4	1154.0	1370.8	1562.1	1670.8	1762.6	2318.5	3654.7	4646.8	4976.4	5254.2
-17.5°	908.6	1119.1	1329.6	1530.6	1660.7	1721.6	1947.4	3317.0	4432.3	4867.4	5151.1
-20°	871.1	1079.3	1282.4	1494.5	1644.2	1692.8	1836.3	2859.8	4030.5	4738.1	5034.1



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	828.9	1034.6	1231.1	1440.0	1600.2	1678.8	1779.8	2350.6	3584.0	4594.7	4896.3
-25°	783.2	983.1	1176.8	1376.2	1551.7	1663.4	1717.7	1868.4	3031.4	4086.8	4728.3
-27.5°	734.2	926.8	1117.6	1306.6	1499.0	1635.5	1686.2	1795.8	2381.9	3520.7	4454.2
-30°	681.2	866.0	1053.6	1233.0	1422.7	1574.1	1666.8	1718.1	1855.8	2811.7	3809.4
-32.5°	624.2	800.9	983.1	1158.5	1335.8	1508.6	1633.8	1682.2	1767.4	2026.0	3073.2
-35°	568.2	734.2	907.2	1079.3	1244.2	1418.5	1559.3	1658.8	1692.7	1797.4	2196.9
-37.5°	516.3	663.7	827.0	994.2	1154.0	1314.1	1478.6	1593.7	1666.6	1698.0	1807.5
-40°	461.7	589.4	745.3	902.9	1059.4	1208.1	1361.6	1506.6	1611.0	1669.2	1698.0
-42.5°	404.8	526.4	660.7	807.5	957.8	1102.4	1240.9	1385.6	1515.1	1611.0	1666.6
-45°	348.2	461.0	575.6	712.3	851.2	991.1	1124.0	1251.9	1385.6	1506.6	1593.7
-47.5°	289.4	394.1	501.9	613.7	743.5	873.2	1002.2	1124.0	1240.9	1361.6	1478.6
-50°	231.5	327.5	425.7	526.6	634.4	754.0	873.2	991.1	1102.4	1208.1	1314.1
-52.5°	181.1	258.9	350.6	442.1	534.9	634.4	743.5	851.2	957.8	1059.4	1154.0
-55°	129.2	199.4	274.2	358.3	442.1	526.6	613.7	712.3	807.5	902.9	994.2
-57.5°	94.3	141.3	205.5	274.2	350.6	425.7	501.9	575.6	660.7	745.3	827.0
-60°	69.2	97.1	141.3	199.4	258.9	327.5	394.1	461.0	526.4	589.4	663.7
-62.5°	46.8	69.2	94.3	129.2	181.1	231.5	289.4	348.2	404.8	461.7	516.3
-65°	39.2	46.0	63.6	86.0	107.7	150.9	195.3	238.1	287.9	337.0	383.9
-67.5°	31.4	37.6	43.6	52.6	72.2	91.2	109.6	147.5	184.5	219.8	255.7
-70°	26.3	29.5	34.4	39.6	44.7	53.1	69.5	85.2	100.3	120.1	149.9
-72.5°	21.6	24.4	27.2	29.8	34.1	38.4	42.6	46.6	55.8	68.4	80.4
-75°	18.1	19.4	21.7	24.0	26.2	28.3	30.6	34.0	37.3	40.5	43.5
-77.5°	15.4	16.5	17.6	18.7	19.9	21.7	23.4	25.1	26.7	28.2	29.6
-80°	12.9	13.6	14.4	15.3	16.2	17.0	17.8	18.5	19.3	20.2	21.4
-82.5°	10.8	11.3	11.8	12.3	12.8	13.3	13.7	14.3	14.9	15.4	15.9
-85°	8.3	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.2	11.4	11.7
-87.5°	4.2	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.6	6.9	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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°	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8	8.9
85°	11.9	12.2	12.4	12.6	12.7	12.9	13.0	13.2	13.3	13.4	13.5
82.5°	16.3	16.8	17.2	17.6	17.9	18.2	18.5	18.8	19.0	19.2	19.3
80°	22.4	23.5	24.4	25.3	26.1	26.9	27.5	28.1	28.7	29.1	29.5
77.5°	31.6	33.8	35.9	37.8	39.6	41.2	42.7	43.9	45.1	46.0	46.8
75°	46.3	50.9	59.4	67.3	74.6	81.2	87.2	92.5	97.1	101.0	104.2
72.5°	91.7	102.4	115.1	135.2	153.7	170.6	185.8	199.4	211.1	221.2	229.4
70°	178.1	204.7	229.6	254.8	281.4	305.7	327.5	346.9	363.9	378.3	390.1
67.5°	295.5	333.0	368.1	400.8	432.0	461.0	487.2	510.4	530.7	548.0	562.2
65°	429.2	473.4	514.9	553.5	589.4	629.7	666.1	698.5	726.8	750.8	770.6
62.5°	568.2	624.2	681.2	734.2	783.2	828.9	871.1	908.6	941.4	969.4	992.3
60°	734.2	800.9	866.0	926.8	983.1	1034.6	1079.3	1119.1	1154.0	1183.7	1208.1
57.5°	907.2	983.1	1053.6	1117.6	1176.8	1231.1	1282.4	1329.6	1370.8	1406.0	1435.0
55°	1079.3	1158.5	1233.0	1306.6	1376.2	1440.0	1494.5	1530.6	1562.1	1589.1	1611.3
52.5°	1244.2	1335.8	1422.7	1499.0	1551.7	1600.2	1644.2	1660.7	1670.8	1679.4	1686.6
50°	1418.5	1508.6	1574.1	1635.5	1663.4	1678.8	1692.8	1721.6	1762.6	1797.6	1826.6
47.5°	1559.3	1633.8	1666.8	1686.2	1717.7	1779.8	1836.3	1947.4	2318.5	2636.4	2899.4
45°	1658.8	1682.2	1718.1	1795.8	1868.4	2350.6	2859.8	3317.0	3654.7	3935.4	4167.8
42.5°	1692.7	1767.4	1855.8	2381.9	3031.4	3584.0	4030.5	4432.3	4646.8	4737.5	4812.8
40°	1797.4	2026.0	2811.7	3520.7	4086.8	4594.7	4738.1	4867.4	4976.4	5058.9	5127.5
37.5°	2196.9	3073.2	3809.4	4454.2	4728.3	4896.3	5034.1	5151.1	5254.2	5327.3	5388.2
35°	3161.0	3955.4	4614.4	4819.1	5001.9	5152.8	5284.6	5387.6	5479.3	5510.9	5524.3
32.5°	3955.4	4636.8	4865.1	5061.1	5233.8	5369.1	5491.2	5519.7	5539.7	5547.6	5545.8
30°	4614.4	4865.1	5081.1	5270.6	5420.8	5511.6	5538.0	5547.0	5544.3	5534.6	5506.1
27.5°	4819.1	5061.1	5270.6	5438.2	5518.9	5548.5	5545.1	5532.8	5490.8	5453.9	5577.2
25°	5001.9	5233.8	5420.8	5518.9	5548.1	5544.1	5510.9	5460.5	5608.8	5769.5	6909.4
22.5°	5152.8	5369.1	5511.6	5548.5	5544.1	5503.5	5488.5	5705.4	6881.2	8854.6	12382.2
20°	5284.6	5491.2	5538.0	5545.1	5510.9	5488.5	5738.2	7653.9	10776.9	18134.6	25270.1
17.5°	5387.6	5519.7	5547.0	5532.8	5460.5	5705.4	7653.9	12183.2	21116.9	32954.1	44461.5
15°	5479.3	5539.7	5544.3	5490.8	5608.8	6881.2	10776.9	21116.9	35589.7	53596.7	75518.1
12.5°	5510.9	5547.6	5534.6	5453.9	5769.5	8854.6	18134.6	32954.1	53596.7	80842.4	114205.9
10°	5524.3	5545.8	5506.1	5577.2	6909.4	12382.2	25270.1	44461.5	75518.1	114205.9	155971.6
7.5°	5534.8	5544.4	5483.5	5676.4	8138.9	17020.2	33703.2	60163.5	98260.8	145113.7	200551.5
5°	5542.4	5543.4	5467.1	5748.8	9040.2	20439.5	39968.5	72312.2	117598.7	173557.6	238208.8
2.5°	5547.1	5542.8	5457.1	5792.9	9590.8	22537.2	43834.5	79870.2	129774.3	192988.1	262762.5
0°	5548.6	5542.6	5453.7	5807.7	9776.0	23244.5	45142.2	82438.2	133939.5	199900.7	271372.7
-2.5°	5547.1	5542.8	5457.1	5792.9	9590.8	22537.2	43834.5	79870.2	129774.3	192988.1	262762.5
-5°	5542.4	5543.4	5467.1	5748.8	9040.2	20439.5	39968.5	72312.2	117598.7	173557.6	238208.8
-7.5°	5534.8	5544.4	5483.5	5676.4	8138.9	17020.2	33703.2	60163.5	98260.8	145113.7	200551.5
-10°	5524.3	5545.8	5506.1	5577.2	6909.4	12382.2	25270.1	44461.5	75518.1	114205.9	155971.6
-12.5°	5510.9	5547.6	5534.6	5453.9	5769.5	8854.6	18134.6	32954.1	53596.7	80842.4	114205.9
-15°	5479.3	5539.7	5544.3	5490.8	5608.8	6881.2	10776.9	21116.9	35589.7	53596.7	75518.1
-17.5°	5387.6	5519.7	5547.0	5532.8	5460.5	5705.4	7653.9	12183.2	21116.9	32954.1	44461.5
-20°	5284.6	5491.2	5538.0	5545.1	5510.9	5488.5	5738.2	7653.9	10776.9	18134.6	25270.1



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5152.8	5369.1	5511.6	5548.5	5544.1	5503.5	5488.5	5705.4	6881.2	8854.6	12382.2
-25°	5001.9	5233.8	5420.8	5518.9	5548.1	5544.1	5510.9	5460.5	5608.8	5769.5	6909.4
-27.5°	4819.1	5061.1	5270.6	5438.2	5518.9	5548.5	5545.1	5532.8	5490.8	5453.9	5577.2
-30°	4614.4	4865.1	5081.1	5270.6	5420.8	5511.6	5538.0	5547.0	5544.3	5534.6	5506.1
-32.5°	3955.4	4636.8	4865.1	5061.1	5233.8	5369.1	5491.2	5519.7	5539.7	5547.6	5545.8
-35°	3161.0	3955.4	4614.4	4819.1	5001.9	5152.8	5284.6	5387.6	5479.3	5510.9	5524.3
-37.5°	2196.9	3073.2	3809.4	4454.2	4728.3	4896.3	5034.1	5151.1	5254.2	5327.3	5388.2
-40°	1797.4	2026.0	2811.7	3520.7	4086.8	4594.7	4738.1	4867.4	4976.4	5058.9	5127.5
-42.5°	1692.7	1767.4	1855.8	2381.9	3031.4	3584.0	4030.5	4432.3	4646.8	4737.5	4812.8
-45°	1658.8	1682.2	1718.1	1795.8	1868.4	2350.6	2859.8	3317.0	3654.7	3935.4	4167.8
-47.5°	1559.3	1633.8	1666.8	1686.2	1717.7	1779.8	1836.3	1947.4	2318.5	2636.4	2899.4
-50°	1418.5	1508.6	1574.1	1635.5	1663.4	1678.8	1692.8	1721.6	1762.6	1797.6	1826.6
-52.5°	1244.2	1335.8	1422.7	1499.0	1551.7	1600.2	1644.2	1660.7	1670.8	1679.4	1686.6
-55°	1079.3	1158.5	1233.0	1306.6	1376.2	1440.0	1494.5	1530.6	1562.1	1589.1	1611.3
-57.5°	907.2	983.1	1053.6	1117.6	1176.8	1231.1	1282.4	1329.6	1370.8	1406.0	1435.0
-60°	734.2	800.9	866.0	926.8	983.1	1034.6	1079.3	1119.1	1154.0	1183.7	1208.1
-62.5°	568.2	624.2	681.2	734.2	783.2	828.9	871.1	908.6	941.4	969.4	992.3
-65°	429.2	473.4	514.9	553.5	589.4	629.7	666.1	698.5	726.8	750.8	770.6
-67.5°	295.5	333.0	368.1	400.8	432.0	461.0	487.2	510.4	530.7	548.0	562.2
-70°	178.1	204.7	229.6	254.8	281.4	305.7	327.5	346.9	363.9	378.3	390.1
-72.5°	91.7	102.4	115.1	135.2	153.7	170.6	185.8	199.4	211.1	221.2	229.4
-75°	46.3	50.9	59.4	67.3	74.6	81.2	87.2	92.5	97.1	101.0	104.2
-77.5°	31.6	33.8	35.9	37.8	39.6	41.2	42.7	43.9	45.1	46.0	46.8
-80°	22.4	23.5	24.4	25.3	26.1	26.9	27.5	28.1	28.7	29.1	29.5
-82.5°	16.3	16.8	17.2	17.6	17.9	18.2	18.5	18.8	19.0	19.2	19.3
-85°	11.9	12.2	12.4	12.6	12.7	12.9	13.0	13.2	13.3	13.4	13.5
-87.5°	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8	8.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
85°	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.2
82.5°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.3	19.2	19.0	18.8
80°	29.7	29.9	30.1	30.1	30.1	29.9	29.7	29.5	29.1	28.7	28.1
77.5°	47.4	47.9	48.1	48.2	48.1	47.9	47.4	46.8	46.0	45.1	43.9
75°	106.8	108.6	109.6	110.0	109.6	108.6	106.8	104.2	101.0	97.1	92.5
72.5°	235.8	240.4	243.2	244.1	243.2	240.4	235.8	229.4	221.2	211.1	199.4
70°	399.4	406.0	410.0	411.3	410.0	406.0	399.4	390.1	378.3	363.9	346.9
67.5°	573.3	581.2	586.0	587.6	586.0	581.2	573.3	562.2	548.0	530.7	510.4
65°	786.1	797.1	803.8	806.0	803.8	797.1	786.1	770.6	750.8	726.8	698.5
62.5°	1010.3	1023.2	1030.9	1033.5	1030.9	1023.2	1010.3	992.3	969.4	941.4	908.6
60°	1227.2	1240.9	1249.1	1251.9	1249.1	1240.9	1227.2	1208.1	1183.7	1154.0	1119.1
57.5°	1457.7	1473.9	1483.7	1487.0	1483.7	1473.9	1457.7	1435.0	1406.0	1370.8	1329.6
55°	1628.7	1641.2	1648.7	1651.2	1648.7	1641.2	1628.7	1611.3	1589.1	1562.1	1530.6
52.5°	1692.2	1696.2	1698.6	1699.4	1698.6	1696.2	1692.2	1686.6	1679.4	1670.8	1660.7
50°	1849.3	1865.6	1875.4	1878.7	1875.4	1865.6	1849.3	1826.6	1797.6	1762.6	1721.6
47.5°	3105.6	3254.0	3343.3	3373.2	3343.3	3254.0	3105.6	2899.4	2636.4	2318.5	1947.4
45°	4350.3	4481.7	4560.9	4587.4	4560.9	4481.7	4350.3	4167.8	3935.4	3654.7	3317.0
42.5°	4872.0	4914.7	4940.4	4949.0	4940.4	4914.7	4872.0	4812.8	4737.5	4646.8	4432.3
40°	5181.5	5220.4	5243.9	5251.8	5243.9	5220.4	5181.5	5127.5	5058.9	4976.4	4867.4
37.5°	5436.2	5470.9	5491.9	5498.9	5491.9	5470.9	5436.2	5388.2	5327.3	5254.2	5151.1
35°	5534.8	5542.4	5547.1	5548.6	5547.1	5542.4	5534.8	5524.3	5510.9	5479.3	5387.6
32.5°	5544.4	5543.4	5542.8	5542.6	5542.8	5543.4	5544.4	5545.8	5547.6	5539.7	5519.7
30°	5483.5	5467.1	5457.1	5453.7	5457.1	5467.1	5483.5	5506.1	5534.6	5544.3	5547.0
27.5°	5676.4	5748.8	5792.9	5807.7	5792.9	5748.8	5676.4	5577.2	5453.9	5490.8	5532.8
25°	8138.9	9040.2	9590.8	9776.0	9590.8	9040.2	8138.9	6909.4	5769.5	5608.8	5460.5
22.5°	17020.2	20439.5	22537.2	23244.5	22537.2	20439.5	17020.2	12382.2	8854.6	6881.2	5705.4
20°	33703.2	39968.5	43834.5	45142.2	43834.5	39968.5	33703.2	25270.1	18134.6	10776.9	7653.9
17.5°	60163.5	72312.2	79870.2	82438.2	79870.2	72312.2	60163.5	44461.5	32954.1	21116.9	12183.2
15°	98260.8	117598.7	129774.3	133939.5	129774.3	117598.7	98260.8	75518.1	53596.7	35589.7	21116.9
12.5°	145113.7	173557.6	192988.1	199900.7	192988.1	173557.6	145113.7	114205.9	80842.4	53596.7	32954.1
10°	200551.5	238208.8	262762.5	271372.7	262762.5	238208.8	200551.5	155971.6	114205.9	75518.1	44461.5
7.5°	254659.5	299367.2	332344.5	344279.8	332344.5	299367.2	254659.5	200551.5	145113.7	98260.8	60163.5
5°	299367.2	357102.3	392502.5	403692.6	392502.5	357102.3	299367.2	238208.8	173557.6	117598.7	72312.2
2.5°	332344.5	392502.5	430769.7	450611.8	430769.7	392502.5	332344.5	262762.5	192988.1	129774.3	79870.2
0°	344279.8	403692.6	450611.8	484291.4	450611.8	403692.6	344279.8	271372.7	199900.7	133939.5	82438.2
-2.5°	332344.5	392502.5	430769.7	450611.8	430769.7	392502.5	332344.5	262762.5	192988.1	129774.3	79870.2
-5°	299367.2	357102.3	392502.5	403692.6	392502.5	357102.3	299367.2	238208.8	173557.6	117598.7	72312.2
-7.5°	254659.5	299367.2	332344.5	344279.8	332344.5	299367.2	254659.5	200551.5	145113.7	98260.8	60163.5
-10°	200551.5	238208.8	262762.5	271372.7	262762.5	238208.8	200551.5	155971.6	114205.9	75518.1	44461.5
-12.5°	145113.7	173557.6	192988.1	199900.7	192988.1	173557.6	145113.7	114205.9	80842.4	53596.7	32954.1
-15°	98260.8	117598.7	129774.3	133939.5	129774.3	117598.7	98260.8	75518.1	53596.7	35589.7	21116.9
-17.5°	60163.5	72312.2	79870.2	82438.2	79870.2	72312.2	60163.5	44461.5	32954.1	21116.9	12183.2
-20°	33703.2	39968.5	43834.5	45142.2	43834.5	39968.5	33703.2	25270.1	18134.6	10776.9	7653.9



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17020.2	20439.5	22537.2	23244.5	22537.2	20439.5	17020.2	12382.2	8854.6	6881.2	5705.4
-25°	8138.9	9040.2	9590.8	9776.0	9590.8	9040.2	8138.9	6909.4	5769.5	5608.8	5460.5
-27.5°	5676.4	5748.8	5792.9	5807.7	5792.9	5748.8	5676.4	5577.2	5453.9	5490.8	5532.8
-30°	5483.5	5467.1	5457.1	5453.7	5457.1	5467.1	5483.5	5506.1	5534.6	5544.3	5547.0
-32.5°	5544.4	5543.4	5542.8	5542.6	5542.8	5543.4	5544.4	5545.8	5547.6	5539.7	5519.7
-35°	5534.8	5542.4	5547.1	5548.6	5547.1	5542.4	5534.8	5524.3	5510.9	5479.3	5387.6
-37.5°	5436.2	5470.9	5491.9	5498.9	5491.9	5470.9	5436.2	5388.2	5327.3	5254.2	5151.1
-40°	5181.5	5220.4	5243.9	5251.8	5243.9	5220.4	5181.5	5127.5	5058.9	4976.4	4867.4
-42.5°	4872.0	4914.7	4940.4	4949.0	4940.4	4914.7	4872.0	4812.8	4737.5	4646.8	4432.3
-45°	4350.3	4481.7	4560.9	4587.4	4560.9	4481.7	4350.3	4167.8	3935.4	3654.7	3317.0
-47.5°	3105.6	3254.0	3343.3	3373.2	3343.3	3254.0	3105.6	2899.4	2636.4	2318.5	1947.4
-50°	1849.3	1865.6	1875.4	1878.7	1875.4	1865.6	1849.3	1826.6	1797.6	1762.6	1721.6
-52.5°	1692.2	1696.2	1698.6	1699.4	1698.6	1696.2	1692.2	1686.6	1679.4	1670.8	1660.7
-55°	1628.7	1641.2	1648.7	1651.2	1648.7	1641.2	1628.7	1611.3	1589.1	1562.1	1530.6
-57.5°	1457.7	1473.9	1483.7	1487.0	1483.7	1473.9	1457.7	1435.0	1406.0	1370.8	1329.6
-60°	1227.2	1240.9	1249.1	1251.9	1249.1	1240.9	1227.2	1208.1	1183.7	1154.0	1119.1
-62.5°	1010.3	1023.2	1030.9	1033.5	1030.9	1023.2	1010.3	992.3	969.4	941.4	908.6
-65°	786.1	797.1	803.8	806.0	803.8	797.1	786.1	770.6	750.8	726.8	698.5
-67.5°	573.3	581.2	586.0	587.6	586.0	581.2	573.3	562.2	548.0	530.7	510.4
-70°	399.4	406.0	410.0	411.3	410.0	406.0	399.4	390.1	378.3	363.9	346.9
-72.5°	235.8	240.4	243.2	244.1	243.2	240.4	235.8	229.4	221.2	211.1	199.4
-75°	106.8	108.6	109.6	110.0	109.6	108.6	106.8	104.2	101.0	97.1	92.5
-77.5°	47.4	47.9	48.1	48.2	48.1	47.9	47.4	46.8	46.0	45.1	43.9
-80°	29.7	29.9	30.1	30.1	30.1	29.9	29.7	29.5	29.1	28.7	28.1
-82.5°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.3	19.2	19.0	18.8
-85°	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.2
-87.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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°	8.5	8.3	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	6.4
85°	13.0	12.9	12.7	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9
82.5°	18.5	18.2	17.9	17.6	17.2	16.8	16.3	15.9	15.4	14.9	14.3
80°	27.5	26.9	26.1	25.3	24.4	23.5	22.4	21.4	20.2	19.3	18.5
77.5°	42.7	41.2	39.6	37.8	35.9	33.8	31.6	29.6	28.2	26.7	25.1
75°	87.2	81.2	74.6	67.3	59.4	50.9	46.3	43.5	40.5	37.3	34.0
72.5°	185.8	170.6	153.7	135.2	115.1	102.4	91.7	80.4	68.4	55.8	46.6
70°	327.5	305.7	281.4	254.8	229.6	204.7	178.1	149.9	120.1	100.3	85.2
67.5°	487.2	461.0	432.0	400.8	368.1	333.0	295.5	255.7	219.8	184.5	147.5
65°	666.1	629.7	589.4	553.5	514.9	473.4	429.2	383.9	337.0	287.9	238.1
62.5°	871.1	828.9	783.2	734.2	681.2	624.2	568.2	516.3	461.7	404.8	348.2
60°	1079.3	1034.6	983.1	926.8	866.0	800.9	734.2	663.7	589.4	526.4	461.0
57.5°	1282.4	1231.1	1176.8	1117.6	1053.6	983.1	907.2	827.0	745.3	660.7	575.6
55°	1494.5	1440.0	1376.2	1306.6	1233.0	1158.5	1079.3	994.2	902.9	807.5	712.3
52.5°	1644.2	1600.2	1551.7	1499.0	1422.7	1335.8	1244.2	1154.0	1059.4	957.8	851.2
50°	1692.8	1678.8	1663.4	1635.5	1574.1	1508.6	1418.5	1314.1	1208.1	1102.4	991.1
47.5°	1836.3	1779.8	1717.7	1686.2	1666.8	1633.8	1559.3	1478.6	1361.6	1240.9	1124.0
45°	2859.8	2350.6	1868.4	1795.8	1718.1	1682.2	1658.8	1593.7	1506.6	1385.6	1251.9
42.5°	4030.5	3584.0	3031.4	2381.9	1855.8	1767.4	1692.7	1666.6	1611.0	1515.1	1385.6
40°	4738.1	4594.7	4086.8	3520.7	2811.7	2026.0	1797.4	1698.0	1669.2	1611.0	1506.6
37.5°	5034.1	4896.3	4728.3	4454.2	3809.4	3073.2	2196.9	1807.5	1698.0	1666.6	1593.7
35°	5284.6	5152.8	5001.9	4819.1	4614.4	3955.4	3161.0	2196.9	1797.4	1692.7	1658.8
32.5°	5491.2	5369.1	5233.8	5061.1	4865.1	4636.8	3955.4	3073.2	2026.0	1767.4	1682.2
30°	5538.0	5511.6	5420.8	5270.6	5081.1	4865.1	4614.4	3809.4	2811.7	1855.8	1718.1
27.5°	5545.1	5548.5	5518.9	5438.2	5270.6	5061.1	4819.1	4454.2	3520.7	2381.9	1795.8
25°	5510.9	5544.1	5548.1	5518.9	5420.8	5233.8	5001.9	4728.3	4086.8	3031.4	1868.4
22.5°	5488.5	5503.5	5544.1	5548.5	5511.6	5369.1	5152.8	4896.3	4594.7	3584.0	2350.6
20°	5738.2	5488.5	5510.9	5545.1	5538.0	5491.2	5284.6	5034.1	4738.1	4030.5	2859.8
17.5°	7653.9	5705.4	5460.5	5532.8	5547.0	5519.7	5387.6	5151.1	4867.4	4432.3	3317.0
15°	10776.9	6881.2	5608.8	5490.8	5544.3	5539.7	5479.3	5254.2	4976.4	4646.8	3654.7
12.5°	18134.6	8854.6	5769.5	5453.9	5534.6	5547.6	5510.9	5327.3	5058.9	4737.5	3935.4
10°	25270.1	12382.2	6909.4	5577.2	5506.1	5545.8	5524.3	5388.2	5127.5	4812.8	4167.8
7.5°	33703.2	17020.2	8138.9	5676.4	5483.5	5544.4	5534.8	5436.2	5181.5	4872.0	4350.3
5°	39968.5	20439.5	9040.2	5748.8	5467.1	5543.4	5542.4	5470.9	5220.4	4914.7	4481.7
2.5°	43834.5	22537.2	9590.8	5792.9	5457.1	5542.8	5547.1	5491.9	5243.9	4940.4	4560.9
0°	45142.2	23244.5	9776.0	5807.7	5453.7	5542.6	5548.6	5498.9	5251.8	4949.0	4587.4
-2.5°	43834.5	22537.2	9590.8	5792.9	5457.1	5542.8	5547.1	5491.9	5243.9	4940.4	4560.9
-5°	39968.5	20439.5	9040.2	5748.8	5467.1	5543.4	5542.4	5470.9	5220.4	4914.7	4481.7
-7.5°	33703.2	17020.2	8138.9	5676.4	5483.5	5544.4	5534.8	5436.2	5181.5	4872.0	4350.3
-10°	25270.1	12382.2	6909.4	5577.2	5506.1	5545.8	5524.3	5388.2	5127.5	4812.8	4167.8
-12.5°	18134.6	8854.6	5769.5	5453.9	5534.6	5547.6	5510.9	5327.3	5058.9	4737.5	3935.4
-15°	10776.9	6881.2	5608.8	5490.8	5544.3	5539.7	5479.3	5254.2	4976.4	4646.8	3654.7
-17.5°	7653.9	5705.4	5460.5	5532.8	5547.0	5519.7	5387.6	5151.1	4867.4	4432.3	3317.0
-20°	5738.2	5488.5	5510.9	5545.1	5538.0	5491.2	5284.6	5034.1	4738.1	4030.5	2859.8



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5488.5	5503.5	5544.1	5548.5	5511.6	5369.1	5152.8	4896.3	4594.7	3584.0	2350.6
-25°	5510.9	5544.1	5548.1	5518.9	5420.8	5233.8	5001.9	4728.3	4086.8	3031.4	1868.4
-27.5°	5545.1	5548.5	5518.9	5438.2	5270.6	5061.1	4819.1	4454.2	3520.7	2381.9	1795.8
-30°	5538.0	5511.6	5420.8	5270.6	5081.1	4865.1	4614.4	3809.4	2811.7	1855.8	1718.1
-32.5°	5491.2	5369.1	5233.8	5061.1	4865.1	4636.8	3955.4	3073.2	2026.0	1767.4	1682.2
-35°	5284.6	5152.8	5001.9	4819.1	4614.4	3955.4	3161.0	2196.9	1797.4	1692.7	1658.8
-37.5°	5034.1	4896.3	4728.3	4454.2	3809.4	3073.2	2196.9	1807.5	1698.0	1666.6	1593.7
-40°	4738.1	4594.7	4086.8	3520.7	2811.7	2026.0	1797.4	1698.0	1669.2	1611.0	1506.6
-42.5°	4030.5	3584.0	3031.4	2381.9	1855.8	1767.4	1692.7	1666.6	1611.0	1515.1	1385.6
-45°	2859.8	2350.6	1868.4	1795.8	1718.1	1682.2	1658.8	1593.7	1506.6	1385.6	1251.9
-47.5°	1836.3	1779.8	1717.7	1686.2	1666.8	1633.8	1559.3	1478.6	1361.6	1240.9	1124.0
-50°	1692.8	1678.8	1663.4	1635.5	1574.1	1508.6	1418.5	1314.1	1208.1	1102.4	991.1
-52.5°	1644.2	1600.2	1551.7	1499.0	1422.7	1335.8	1244.2	1154.0	1059.4	957.8	851.2
-55°	1494.5	1440.0	1376.2	1306.6	1233.0	1158.5	1079.3	994.2	902.9	807.5	712.3
-57.5°	1282.4	1231.1	1176.8	1117.6	1053.6	983.1	907.2	827.0	745.3	660.7	575.6
-60°	1079.3	1034.6	983.1	926.8	866.0	800.9	734.2	663.7	589.4	526.4	461.0
-62.5°	871.1	828.9	783.2	734.2	681.2	624.2	568.2	516.3	461.7	404.8	348.2
-65°	666.1	629.7	589.4	553.5	514.9	473.4	429.2	383.9	337.0	287.9	238.1
-67.5°	487.2	461.0	432.0	400.8	368.1	333.0	295.5	255.7	219.8	184.5	147.5
-70°	327.5	305.7	281.4	254.8	229.6	204.7	178.1	149.9	120.1	100.3	85.2
-72.5°	185.8	170.6	153.7	135.2	115.1	102.4	91.7	80.4	68.4	55.8	46.6
-75°	87.2	81.2	74.6	67.3	59.4	50.9	46.3	43.5	40.5	37.3	34.0
-77.5°	42.7	41.2	39.6	37.8	35.9	33.8	31.6	29.6	28.2	26.7	25.1
-80°	27.5	26.9	26.1	25.3	24.4	23.5	22.4	21.4	20.2	19.3	18.5
-82.5°	18.5	18.2	17.9	17.6	17.2	16.8	16.3	15.9	15.4	14.9	14.3
-85°	13.0	12.9	12.7	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9
-87.5°	8.5	8.3	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	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: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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	4.8	4.5	4.2	3.8	3.4	3.1	2.7
85°	10.6	10.3	10.0	9.7	9.3	9.0	8.3	7.6	6.9	6.1	5.4
82.5°	13.7	13.3	12.8	12.3	11.8	11.3	10.8	10.2	9.7	9.1	8.1
80°	17.8	17.0	16.2	15.3	14.4	13.6	12.9	12.1	11.4	10.7	9.9
77.5°	23.4	21.7	19.9	18.7	17.6	16.5	15.4	14.2	13.1	12.2	11.3
75°	30.6	28.3	26.2	24.0	21.7	19.4	18.1	16.7	15.2	13.8	12.6
72.5°	42.6	38.4	34.1	29.8	27.2	24.4	21.6	19.1	17.5	15.8	14.1
70°	69.5	53.1	44.7	39.6	34.4	29.5	26.3	23.0	19.7	17.7	15.8
67.5°	109.6	91.2	72.2	52.6	43.6	37.6	31.4	27.2	23.5	19.7	17.5
65°	195.3	150.9	107.7	86.0	63.6	46.0	39.2	32.2	27.2	23.0	19.1
62.5°	289.4	231.5	181.1	129.2	94.3	69.2	46.8	39.2	31.4	26.3	21.6
60°	394.1	327.5	258.9	199.4	141.3	97.1	69.2	46.0	37.6	29.5	24.4
57.5°	501.9	425.7	350.6	274.2	205.5	141.3	94.3	63.6	43.6	34.4	27.2
55°	613.7	526.6	442.1	358.3	274.2	199.4	129.2	86.0	52.6	39.6	29.8
52.5°	743.5	634.4	534.9	442.1	350.6	258.9	181.1	107.7	72.2	44.7	34.1
50°	873.2	754.0	634.4	526.6	425.7	327.5	231.5	150.9	91.2	53.1	38.4
47.5°	1002.2	873.2	743.5	613.7	501.9	394.1	289.4	195.3	109.6	69.5	42.6
45°	1124.0	991.1	851.2	712.3	575.6	461.0	348.2	238.1	147.5	85.2	46.6
42.5°	1240.9	1102.4	957.8	807.5	660.7	526.4	404.8	287.9	184.5	100.3	55.8
40°	1361.6	1208.1	1059.4	902.9	745.3	589.4	461.7	337.0	219.8	120.1	68.4
37.5°	1478.6	1314.1	1154.0	994.2	827.0	663.7	516.3	383.9	255.7	149.9	80.4
35°	1559.3	1418.5	1244.2	1079.3	907.2	734.2	568.2	429.2	295.5	178.1	91.7
32.5°	1633.8	1508.6	1335.8	1158.5	983.1	800.9	624.2	473.4	333.0	204.7	102.4
30°	1666.8	1574.1	1422.7	1233.0	1053.6	866.0	681.2	514.9	368.1	229.6	115.1
27.5°	1686.2	1635.5	1499.0	1306.6	1117.6	926.8	734.2	553.5	400.8	254.8	135.2
25°	1717.7	1663.4	1551.7	1376.2	1176.8	983.1	783.2	589.4	432.0	281.4	153.7
22.5°	1779.8	1678.8	1600.2	1440.0	1231.1	1034.6	828.9	629.7	461.0	305.7	170.6
20°	1836.3	1692.8	1644.2	1494.5	1282.4	1079.3	871.1	666.1	487.2	327.5	185.8
17.5°	1947.4	1721.6	1660.7	1530.6	1329.6	1119.1	908.6	698.5	510.4	346.9	199.4
15°	2318.5	1762.6	1670.8	1562.1	1370.8	1154.0	941.4	726.8	530.7	363.9	211.1
12.5°	2636.4	1797.6	1679.4	1589.1	1406.0	1183.7	969.4	750.8	548.0	378.3	221.2
10°	2899.4	1826.6	1686.6	1611.3	1435.0	1208.1	992.3	770.6	562.2	390.1	229.4
7.5°	3105.6	1849.3	1692.2	1628.7	1457.7	1227.2	1010.3	786.1	573.3	399.4	235.8
5°	3254.0	1865.6	1696.2	1641.2	1473.9	1240.9	1023.2	797.1	581.2	406.0	240.4
2.5°	3343.3	1875.4	1698.6	1648.7	1483.7	1249.1	1030.9	803.8	586.0	410.0	243.2
0°	3373.2	1878.7	1699.4	1651.2	1487.0	1251.9	1033.5	806.0	587.6	411.3	244.1
-2.5°	3343.3	1875.4	1698.6	1648.7	1483.7	1249.1	1030.9	803.8	586.0	410.0	243.2
-5°	3254.0	1865.6	1696.2	1641.2	1473.9	1240.9	1023.2	797.1	581.2	406.0	240.4
-7.5°	3105.6	1849.3	1692.2	1628.7	1457.7	1227.2	1010.3	786.1	573.3	399.4	235.8
-10°	2899.4	1826.6	1686.6	1611.3	1435.0	1208.1	992.3	770.6	562.2	390.1	229.4
-12.5°	2636.4	1797.6	1679.4	1589.1	1406.0	1183.7	969.4	750.8	548.0	378.3	221.2
-15°	2318.5	1762.6	1670.8	1562.1	1370.8	1154.0	941.4	726.8	530.7	363.9	211.1
-17.5°	1947.4	1721.6	1660.7	1530.6	1329.6	1119.1	908.6	698.5	510.4	346.9	199.4
-20°	1836.3	1692.8	1644.2	1494.5	1282.4	1079.3	871.1	666.1	487.2	327.5	185.8



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1779.8	1678.8	1600.2	1440.0	1231.1	1034.6	828.9	629.7	461.0	305.7	170.6
-25°	1717.7	1663.4	1551.7	1376.2	1176.8	983.1	783.2	589.4	432.0	281.4	153.7
-27.5°	1686.2	1635.5	1499.0	1306.6	1117.6	926.8	734.2	553.5	400.8	254.8	135.2
-30°	1666.8	1574.1	1422.7	1233.0	1053.6	866.0	681.2	514.9	368.1	229.6	115.1
-32.5°	1633.8	1508.6	1335.8	1158.5	983.1	800.9	624.2	473.4	333.0	204.7	102.4
-35°	1559.3	1418.5	1244.2	1079.3	907.2	734.2	568.2	429.2	295.5	178.1	91.7
-37.5°	1478.6	1314.1	1154.0	994.2	827.0	663.7	516.3	383.9	255.7	149.9	80.4
-40°	1361.6	1208.1	1059.4	902.9	745.3	589.4	461.7	337.0	219.8	120.1	68.4
-42.5°	1240.9	1102.4	957.8	807.5	660.7	526.4	404.8	287.9	184.5	100.3	55.8
-45°	1124.0	991.1	851.2	712.3	575.6	461.0	348.2	238.1	147.5	85.2	46.6
-47.5°	1002.2	873.2	743.5	613.7	501.9	394.1	289.4	195.3	109.6	69.5	42.6
-50°	873.2	754.0	634.4	526.6	425.7	327.5	231.5	150.9	91.2	53.1	38.4
-52.5°	743.5	634.4	534.9	442.1	350.6	258.9	181.1	107.7	72.2	44.7	34.1
-55°	613.7	526.6	442.1	358.3	274.2	199.4	129.2	86.0	52.6	39.6	29.8
-57.5°	501.9	425.7	350.6	274.2	205.5	141.3	94.3	63.6	43.6	34.4	27.2
-60°	394.1	327.5	258.9	199.4	141.3	97.1	69.2	46.0	37.6	29.5	24.4
-62.5°	289.4	231.5	181.1	129.2	94.3	69.2	46.8	39.2	31.4	26.3	21.6
-65°	195.3	150.9	107.7	86.0	63.6	46.0	39.2	32.2	27.2	23.0	19.1
-67.5°	109.6	91.2	72.2	52.6	43.6	37.6	31.4	27.2	23.5	19.7	17.5
-70°	69.5	53.1	44.7	39.6	34.4	29.5	26.3	23.0	19.7	17.7	15.8
-72.5°	42.6	38.4	34.1	29.8	27.2	24.4	21.6	19.1	17.5	15.8	14.1
-75°	30.6	28.3	26.2	24.0	21.7	19.4	18.1	16.7	15.2	13.8	12.6
-77.5°	23.4	21.7	19.9	18.7	17.6	16.5	15.4	14.2	13.1	12.2	11.3
-80°	17.8	17.0	16.2	15.3	14.4	13.6	12.9	12.1	11.4	10.7	9.9
-82.5°	13.7	13.3	12.8	12.3	11.8	11.3	10.8	10.2	9.7	9.1	8.1
-85°	10.6	10.3	10.0	9.7	9.3	9.0	8.3	7.6	6.9	6.1	5.4
-87.5°	6.1	5.8	5.5	5.2	4.8	4.5	4.2	3.8	3.4	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: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-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°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
85°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
82.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
80°	9.1	7.8	6.2	4.7	3.1	1.6	0.0
77.5°	10.3	9.3	7.8	5.8	3.9	1.9	0.0
75°	11.5	10.3	9.1	7.0	4.7	2.3	0.0
72.5°	12.6	11.3	9.9	8.1	5.4	2.7	0.0
70°	13.8	12.2	10.7	9.1	6.1	3.1	0.0
67.5°	15.2	13.1	11.4	9.7	6.9	3.4	0.0
65°	16.7	14.2	12.1	10.2	7.6	3.8	0.0
62.5°	18.1	15.4	12.9	10.8	8.3	4.2	0.0
60°	19.4	16.5	13.6	11.3	9.0	4.5	0.0
57.5°	21.7	17.6	14.4	11.8	9.3	4.8	0.0
55°	24.0	18.7	15.3	12.3	9.7	5.2	0.0
52.5°	26.2	19.9	16.2	12.8	10.0	5.5	0.0
50°	28.3	21.7	17.0	13.3	10.3	5.8	0.0
47.5°	30.6	23.4	17.8	13.7	10.6	6.1	0.0
45°	34.0	25.1	18.5	14.3	10.9	6.4	0.0
42.5°	37.3	26.7	19.3	14.9	11.2	6.6	0.0
40°	40.5	28.2	20.2	15.4	11.4	6.9	0.0
37.5°	43.5	29.6	21.4	15.9	11.7	7.1	0.0
35°	46.3	31.6	22.4	16.3	11.9	7.4	0.0
32.5°	50.9	33.8	23.5	16.8	12.2	7.6	0.0
30°	59.4	35.9	24.4	17.2	12.4	7.8	0.0
27.5°	67.3	37.8	25.3	17.6	12.6	8.0	0.0
25°	74.6	39.6	26.1	17.9	12.7	8.2	0.0
22.5°	81.2	41.2	26.9	18.2	12.9	8.3	0.0
20°	87.2	42.7	27.5	18.5	13.0	8.5	0.0
17.5°	92.5	43.9	28.1	18.8	13.2	8.6	0.0
15°	97.1	45.1	28.7	19.0	13.3	8.7	0.0
12.5°	101.0	46.0	29.1	19.2	13.4	8.8	0.0
10°	104.2	46.8	29.5	19.3	13.5	8.9	0.0
7.5°	106.8	47.4	29.7	19.4	13.5	8.9	0.0
5°	108.6	47.9	29.9	19.5	13.6	9.0	0.0
2.5°	109.6	48.1	30.1	19.6	13.6	9.0	0.0
0°	110.0	48.2	30.1	19.6	13.6	9.0	0.0
-2.5°	109.6	48.1	30.1	19.6	13.6	9.0	0.0
-5°	108.6	47.9	29.9	19.5	13.6	9.0	0.0
-7.5°	106.8	47.4	29.7	19.4	13.5	8.9	0.0
-10°	104.2	46.8	29.5	19.3	13.5	8.9	0.0
-12.5°	101.0	46.0	29.1	19.2	13.4	8.8	0.0
-15°	97.1	45.1	28.7	19.0	13.3	8.7	0.0
-17.5°	92.5	43.9	28.1	18.8	13.2	8.6	0.0
-20°	87.2	42.7	27.5	18.5	13.0	8.5	0.0



REPORT NUMBER: P1305384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	81.2	41.2	26.9	18.2	12.9	8.3	0.0
-25°	74.6	39.6	26.1	17.9	12.7	8.2	0.0
-27.5°	67.3	37.8	25.3	17.6	12.6	8.0	0.0
-30°	59.4	35.9	24.4	17.2	12.4	7.8	0.0
-32.5°	50.9	33.8	23.5	16.8	12.2	7.6	0.0
-35°	46.3	31.6	22.4	16.3	11.9	7.4	0.0
-37.5°	43.5	29.6	21.4	15.9	11.7	7.1	0.0
-40°	40.5	28.2	20.2	15.4	11.4	6.9	0.0
-42.5°	37.3	26.7	19.3	14.9	11.2	6.6	0.0
-45°	34.0	25.1	18.5	14.3	10.9	6.4	0.0
-47.5°	30.6	23.4	17.8	13.7	10.6	6.1	0.0
-50°	28.3	21.7	17.0	13.3	10.3	5.8	0.0
-52.5°	26.2	19.9	16.2	12.8	10.0	5.5	0.0
-55°	24.0	18.7	15.3	12.3	9.7	5.2	0.0
-57.5°	21.7	17.6	14.4	11.8	9.3	4.8	0.0
-60°	19.4	16.5	13.6	11.3	9.0	4.5	0.0
-62.5°	18.1	15.4	12.9	10.8	8.3	4.2	0.0
-65°	16.7	14.2	12.1	10.2	7.6	3.8	0.0
-67.5°	15.2	13.1	11.4	9.7	6.9	3.4	0.0
-70°	13.8	12.2	10.7	9.1	6.1	3.1	0.0
-72.5°	12.6	11.3	9.9	8.1	5.4	2.7	0.0
-75°	11.5	10.3	9.1	7.0	4.7	2.3	0.0
-77.5°	10.3	9.3	7.8	5.8	3.9	1.9	0.0
-80°	9.1	7.8	6.2	4.7	3.1	1.6	0.0
-82.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
-85°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
-87.5°	2.3	1.9	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)