

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: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-3S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-80-3S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

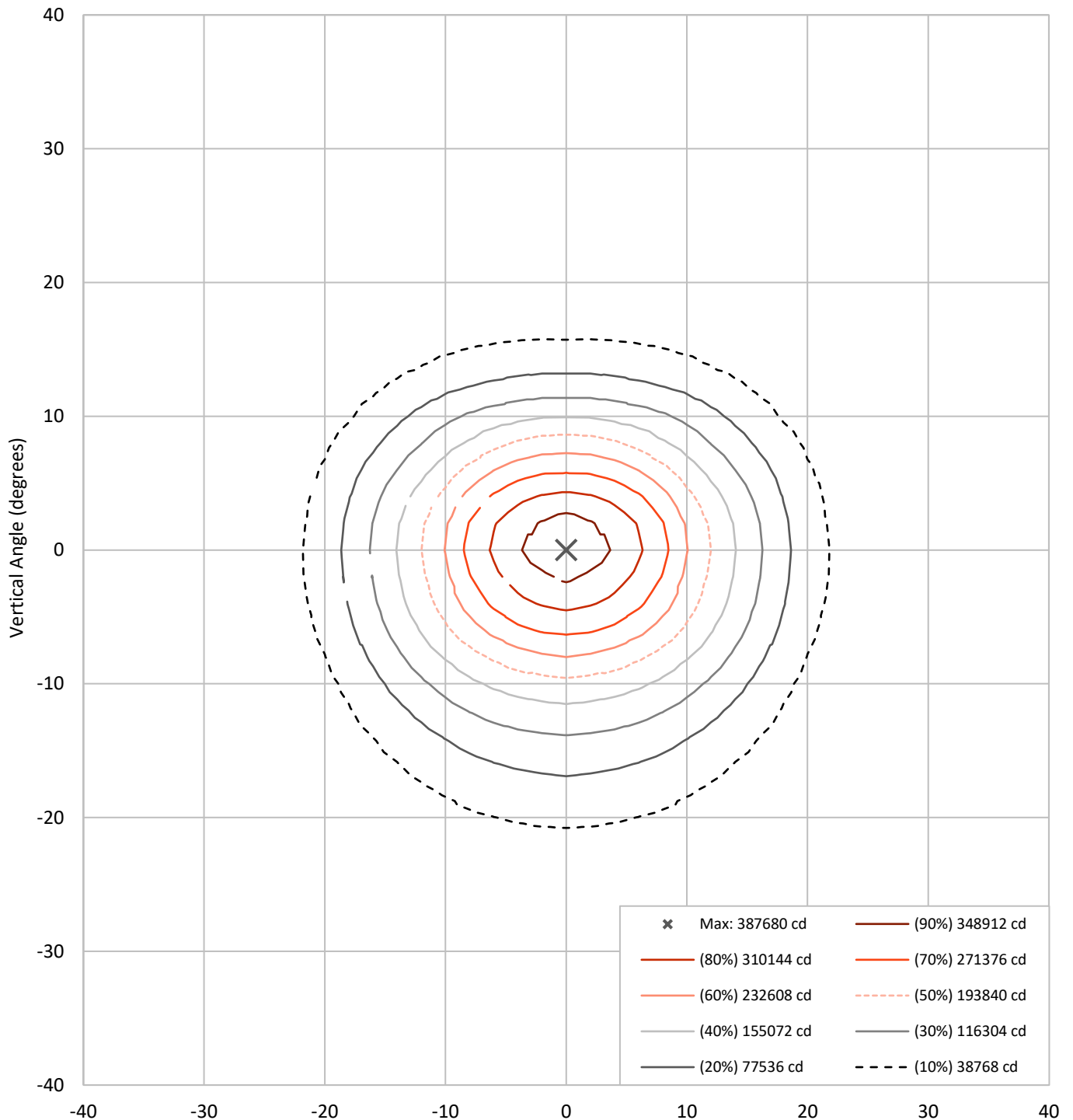
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64810.5 lumens	Max Intensity:	387680 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	27724.4 lumens	Field Lumens:	55387 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.2  
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: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

### Iso-Candela Plot





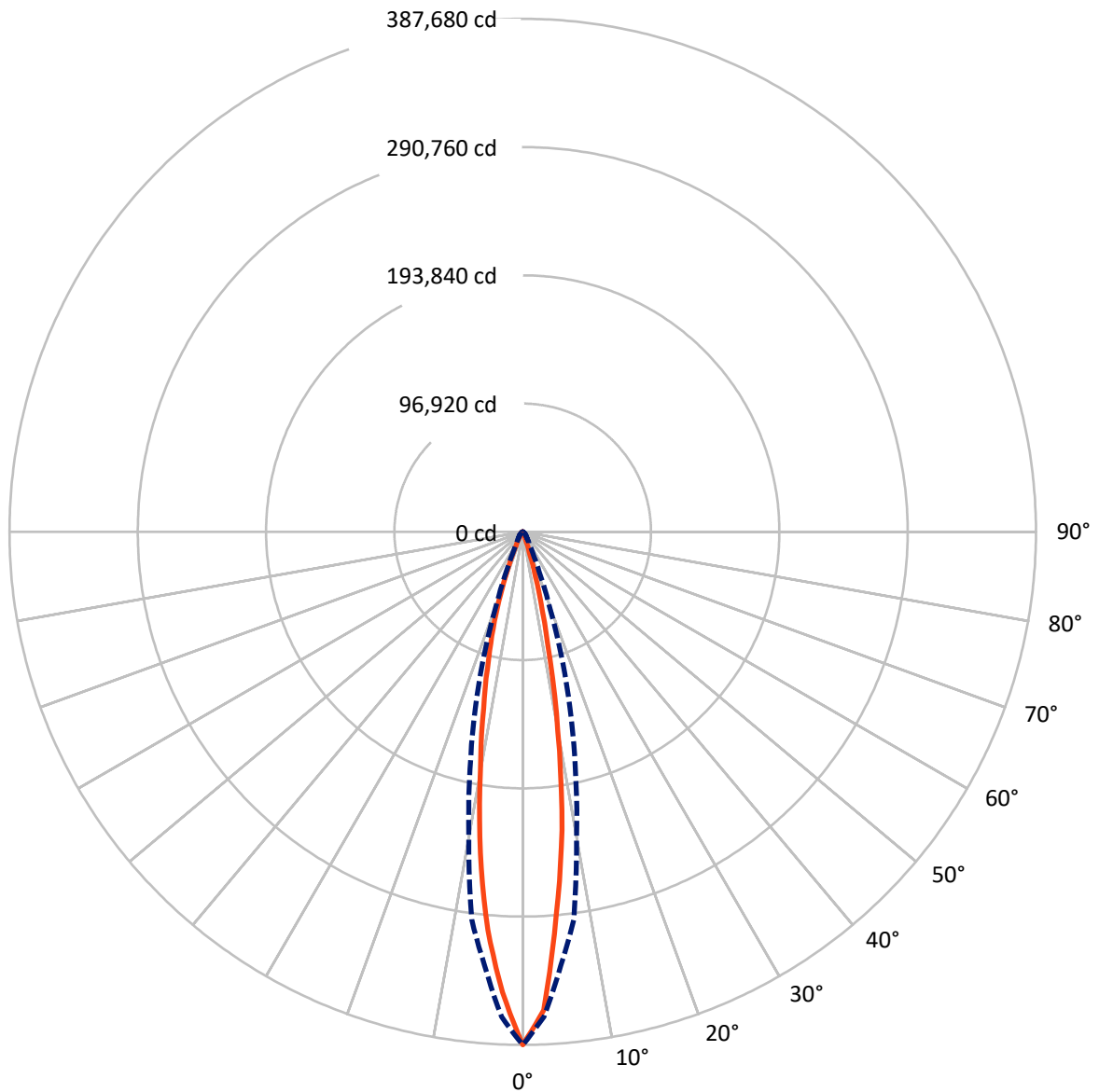
REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

### Lumen Table

90		0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2									
80		0.2	0.1	0.2	0.7	0.9	0.5	0.3	0.3	0.3	0.3	0.5	0.9	0.7	0.2	0.1			
70		0.2	0.1	0.4	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.4	0.1			
60		0.2	0.2	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.2			
50		0.2	0.3	0.7	1.0	1.8	2.5	3.2	4.2	4.2	3.2	2.5	1.8	1.0	0.7	0.3			
40		0.2	0.5	1.8	4.5	8.5	13.0	29.5	59.3	59.3	29.5	13.0	8.5	4.5	1.8	0.5			
30		0.3	1.3	6.7	21.3	46.7	125.2	694.3	1588.6	1588.6	694.3	125.2	46.7	21.3	6.7	1.3			
20		0.3	2.3	14.0	50.4	117.5	516.9	3242.2	7567.9	7567.9	3242.2	516.9	117.5	50.4	14.0	2.3			
10		0.4	3.2	16.7	59.0	131.8	550.9	3458.0	7794.7	7794.7	3458.0	550.9	131.8	59.0	16.7	3.2			
0		0.4	3.3	14.3	44.8	93.6	237.5	1255.5	2825.6	2825.6	1255.5	237.5	93.6	44.8	14.3	3.3			
-10		0.7	3.2	11.6	28.1	66.1	112.0	243.1	488.9	488.9	243.1	112.0	66.1	28.1	11.6	3.2			
-20		0.7	2.9	9.3	19.6	42.8	77.2	105.0	122.5	122.5	105.0	77.2	42.8	19.6	9.3	2.9			
-30		0.5	2.0	6.9	14.9	26.6	43.3	66.4	83.5	83.5	66.4	43.3	26.6	14.9	6.9	2.0			
-40		0.5	1.0	4.1	9.4	16.9	24.8	31.4	35.3	35.3	31.4	24.8	16.9	9.4	4.1	1.0			
-50		0.3	0.4	1.4	4.1	7.6	11.7	15.7	18.1	18.1	15.7	11.7	7.6	4.1	1.4	0.4			
-60		0.3	0.4	1.4	4.1	7.6	11.7	15.7	18.1	18.1	15.7	11.7	7.6	4.1	1.4	0.4			
-70		0.3	0.4	1.4	4.1	7.6	11.7	15.7	18.1	18.1	15.7	11.7	7.6	4.1	1.4	0.4			
-80		0.2	0.9	3.1	8.4	12.9	8.4	3.1	0.9	0.2									
-90		0.2	0.9	3.1	8.4	12.9	8.4	3.1	0.9	0.2									
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

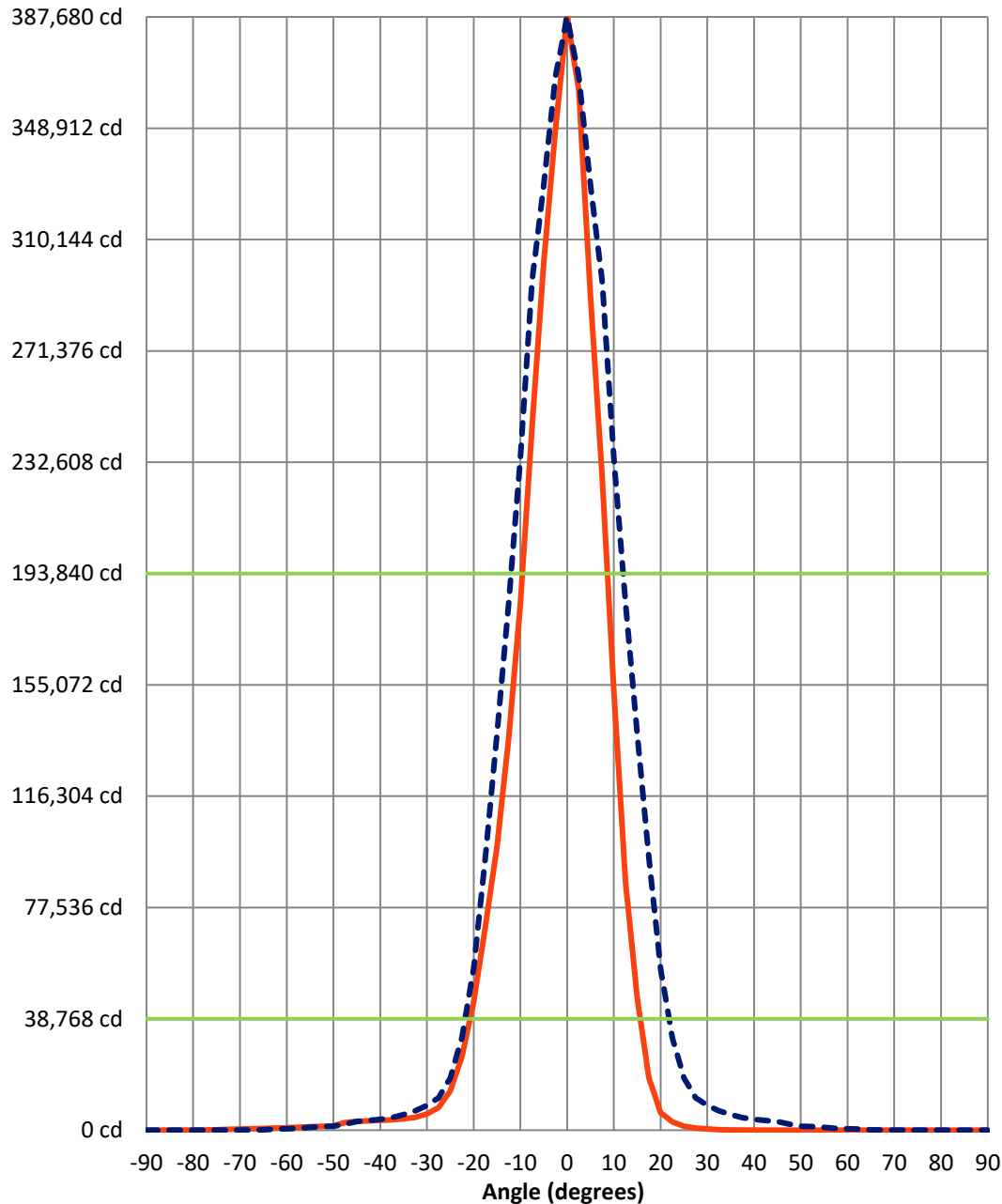
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

### Luminous Intensity Plot



**Beam:**  
H Angle: 24°  
V Angle: 18.2°  
Lumens: 27724.4  
Efficiency: 42.8%

**Field:**  
H Angle: 43.7°  
V Angle: 36.4°  
Lumens: 55387  
Efficiency: 85.5%

**Spill:**  
Lumens: 9423.5  
Efficiency: 14.5%

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



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.8
67.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.9	9.6
65°	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.2	8.8	9.6	10.0
62.5°	8.2	8.2	8.2	8.2	8.2	8.4	8.4	8.6	9.5	10.1	9.5
60°	8.2	8.2	8.2	8.2	8.2	8.6	8.6	9.1	10.1	9.8	9.0
57.5°	8.2	8.2	8.2	8.2	8.4	8.8	9.0	9.6	10.1	9.6	8.9
55°	8.2	8.2	8.3	8.2	8.6	9.0	9.3	10.1	10.0	9.5	9.0
52.5°	8.2	8.2	8.3	8.2	8.8	9.2	9.7	10.2	10.0	9.6	9.1
50°	8.2	8.2	8.3	8.2	9.0	9.5	10.0	10.3	10.1	9.7	11.1
47.5°	8.2	8.2	8.4	8.2	9.3	9.7	10.2	10.5	10.2	9.8	12.8
45°	8.2	8.2	8.4	8.4	9.5	9.8	10.4	10.7	10.4	10.8	14.1
42.5°	8.2	8.2	8.5	8.6	9.7	10.0	10.6	10.9	10.6	11.5	15.4
40°	8.2	8.2	8.6	8.8	9.9	10.1	10.8	11.2	11.1	12.0	16.7
37.5°	8.2	8.2	8.7	9.1	10.0	10.2	11.1	11.5	12.0	13.3	17.9
35°	8.2	8.2	8.7	9.3	10.1	10.3	11.4	11.9	12.9	15.4	18.6
32.5°	8.2	8.2	8.8	9.4	10.1	10.6	11.7	12.3	13.9	17.6	20.4
30°	8.2	8.2	8.9	9.6	10.2	10.8	12.0	12.8	14.8	19.9	22.7
27.5°	8.2	8.2	9.0	9.7	10.2	11.0	12.4	13.6	16.2	22.2	25.3
25°	8.2	8.2	9.1	9.8	10.2	11.3	12.7	14.4	18.1	24.5	28.5
22.5°	8.2	8.2	9.2	9.9	10.2	11.5	13.1	15.2	20.0	26.9	34.4
20°	8.2	8.2	9.4	10.0	10.2	11.7	13.5	16.0	21.8	29.5	40.8
17.5°	8.2	8.2	9.5	10.1	10.2	11.8	13.7	16.8	23.7	32.2	47.7
15°	8.2	8.2	9.6	10.1	10.2	11.9	13.9	17.7	25.4	35.0	55.0
12.5°	8.2	8.2	9.7	10.2	10.2	12.0	14.0	18.8	27.4	37.9	62.5
10°	8.2	8.2	9.8	10.2	10.2	12.1	14.1	20.0	29.6	42.8	71.6
7.5°	8.2	8.2	9.9	10.2	10.2	12.2	14.2	21.2	31.6	48.1	84.3
5°	8.2	8.2	10.0	10.2	10.2	12.3	14.3	22.4	33.6	53.4	97.0
2.5°	8.2	8.2	10.1	10.2	10.2	12.3	14.3	23.6	35.3	58.6	109.3
0°	8.2	8.2	10.2	10.2	10.2	12.3	14.3	24.6	36.9	63.5	120.8
-2.5°	8.2	8.2	10.2	10.2	10.4	12.7	16.2	29.3	46.8	78.1	138.3
-5°	8.2	8.2	10.2	10.2	10.6	13.2	18.0	33.8	56.3	91.9	154.6
-7.5°	8.2	8.2	10.2	10.2	10.7	13.5	19.7	38.0	65.1	104.8	169.4
-10°	8.2	8.2	10.1	10.2	10.9	13.9	21.3	41.6	73.0	116.6	182.6
-12.5°	8.2	8.2	10.1	10.2	11.0	14.2	22.6	44.6	79.8	127.2	194.7
-15°	8.2	8.2	10.1	10.2	11.1	14.4	23.6	47.0	86.1	136.8	205.1
-17.5°	8.2	8.2	10.0	10.2	11.2	14.6	24.3	49.6	92.0	145.1	213.5
-20°	8.2	8.2	10.0	10.2	11.3	14.7	25.0	52.1	96.4	151.9	219.7



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.2	9.9	10.2	11.3	14.7	25.8	53.4	99.2	157.2	223.6
-25°	8.2	8.2	9.8	10.2	11.3	14.9	25.9	53.6	100.3	160.8	225.1
-27.5°	8.2	8.2	9.7	10.2	11.3	15.0	25.3	52.3	99.6	162.5	228.2
-30°	8.2	8.2	9.7	10.2	11.2	15.0	24.0	49.8	97.9	161.3	229.3
-32.5°	8.2	8.2	9.6	10.2	11.2	14.8	22.0	47.9	94.8	157.7	228.3
-35°	8.2	8.2	9.5	10.2	11.2	14.6	21.1	45.4	89.7	151.5	225.0
-37.5°	8.2	8.2	9.4	10.2	11.1	14.4	20.8	41.8	82.6	142.7	209.9
-40°	8.2	8.2	9.3	10.2	11.0	14.2	20.2	37.0	73.3	132.4	191.3
-42.5°	8.2	8.2	9.1	10.2	10.9	14.0	19.5	31.0	65.2	116.3	170.8
-45°	8.2	8.2	9.0	10.2	10.9	13.7	18.7	26.4	56.9	98.3	148.8
-47.5°	8.2	8.2	8.9	10.2	10.9	13.4	17.6	25.2	46.9	79.1	127.1
-50°	8.2	8.2	8.8	10.1	10.8	12.9	16.9	23.6	34.7	65.3	104.0
-52.5°	8.2	8.2	8.6	9.9	10.7	12.4	16.2	21.8	29.2	50.8	80.3
-55°	8.2	8.2	8.5	9.7	10.6	12.1	15.4	19.9	26.5	35.7	63.4
-57.5°	8.2	8.2	8.3	9.5	10.4	11.7	14.4	18.7	23.8	29.9	45.8
-60°	8.2	8.2	8.2	9.3	10.2	11.4	13.4	17.3	21.1	26.6	32.3
-62.5°	8.2	8.2	8.2	9.2	10.0	10.9	12.8	15.7	19.4	23.3	28.7
-65°	8.2	8.2	8.2	9.0	9.8	10.5	12.0	14.4	17.6	21.1	24.9
-67.5°	8.2	8.2	8.2	8.8	9.7	10.1	11.2	13.3	15.8	19.0	22.2
-70°	8.2	8.2	8.2	8.6	9.5	10.0	10.3	12.3	14.6	16.9	19.9
-72.5°	8.2	8.2	8.2	8.6	9.3	9.9	10.2	11.2	13.4	15.5	17.7
-75°	8.2	8.2	8.2	8.5	9.2	9.8	10.2	10.8	12.1	14.1	16.1
-77.5°	8.2	8.2	8.2	8.5	9.0	9.7	10.2	10.6	11.5	12.8	14.5
-80°	8.2	8.2	8.2	8.4	8.9	9.5	10.2	10.4	10.9	11.7	12.9
-82.5°	8.2	8.2	8.2	8.4	8.7	9.2	9.7	10.0	10.2	10.6	11.3
-85°	8.2	8.2	8.2	8.3	8.5	8.8	9.2	9.4	9.6	9.7	9.9
-87.5°	8.2	8.2	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.0
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2





REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.7	9.2	9.7
87.5°	7.9	7.7	7.5	7.3	7.1	6.8	6.5	6.1	6.1	6.1	6.1
85°	8.2	8.2	8.2	8.2	7.7	7.2	6.6	6.1	6.1	6.1	6.1
82.5°	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.4	6.4	6.4	6.3
80°	8.2	8.2	8.2	8.2	8.0	7.8	7.7	7.8	7.7	7.2	6.7
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.8	7.3	6.8
75°	8.2	8.2	8.3	8.3	8.2	8.2	8.2	8.2	8.0	7.8	7.8
72.5°	8.5	8.8	8.7	8.4	8.2	8.2	8.2	8.2	9.7	11.7	13.3
70°	9.3	9.4	8.8	8.4	8.2	8.7	11.2	14.7	18.3	20.9	24.3
67.5°	9.9	9.0	8.4	8.4	9.9	12.6	16.5	25.3	35.0	38.8	40.0
65°	9.2	8.4	8.7	10.1	12.1	19.4	28.9	40.3	48.6	48.0	45.5
62.5°	8.4	8.5	9.6	12.9	19.4	28.5	37.2	45.2	53.1	50.9	43.7
60°	8.3	8.7	12.5	19.3	26.2	32.8	41.0	45.5	49.1	48.9	38.7
57.5°	8.5	11.1	17.7	24.3	29.8	34.9	37.5	40.6	41.9	42.0	31.4
55°	9.8	15.2	21.7	27.3	31.4	30.7	31.7	32.1	32.2	30.1	21.4
52.5°	13.0	18.7	24.1	28.9	29.9	26.9	23.5	23.6	22.1	18.6	15.4
50°	15.7	20.8	26.0	29.3	28.0	22.4	17.3	17.2	15.7	13.6	11.7
47.5°	17.6	22.8	27.8	29.6	24.9	20.3	16.0	14.0	12.5	12.0	10.7
45°	19.3	24.3	29.5	27.6	23.5	20.0	16.5	12.3	12.8	12.7	13.1
42.5°	20.9	25.3	28.3	26.3	24.0	21.4	18.3	15.8	14.7	16.2	16.9
40°	21.6	26.0	27.4	27.8	25.5	24.1	23.7	21.8	18.9	21.5	22.4
37.5°	21.9	25.9	28.5	31.9	28.8	29.6	30.8	31.3	29.6	28.8	32.4
35°	21.9	26.7	34.4	38.4	35.9	37.6	41.2	42.9	42.9	42.1	48.2
32.5°	22.4	28.1	42.5	45.9	48.5	50.7	53.1	56.9	60.4	64.3	74.5
30°	25.3	35.7	51.7	54.4	64.0	74.1	71.3	73.2	81.2	106.8	129.2
27.5°	31.5	45.9	59.8	68.1	83.8	104.9	111.4	98.5	121.8	161.6	199.6
25°	38.8	74.4	68.5	84.9	114.0	145.7	163.3	161.4	184.3	234.5	279.5
22.5°	54.6	111.6	108.1	103.2	149.2	195.7	225.9	278.3	352.1	351.9	368.2
20°	82.0	147.0	157.9	171.7	201.3	253.1	296.4	435.2	589.0	641.3	584.3
17.5°	114.0	186.2	214.8	261.1	326.9	360.4	385.1	622.7	882.7	985.7	1018.1
15°	149.6	228.3	275.5	361.1	466.2	525.6	630.6	902.1	1209.2	1383.9	1513.7
12.5°	187.6	272.6	339.2	469.2	615.4	694.1	926.7	1319.7	1625.6	1836.3	2166.4
10°	226.8	318.4	404.6	582.7	771.6	864.6	1243.7	1749.7	2069.4	2313.2	2764.8
7.5°	269.9	364.0	469.6	698.4	931.1	1035.7	1571.2	2183.2	2501.9	2773.5	3283.9
5°	311.9	407.7	527.9	796.9	1059.0	1180.1	1866.5	2608.5	2922.0	3216.9	3752.6
2.5°	350.7	449.6	583.9	887.6	1160.4	1281.2	2008.7	2824.9	3166.8	3532.7	4106.7
0°	384.9	489.3	636.7	970.5	1253.0	1377.9	2121.1	3011.7	3365.9	3781.5	4365.0
-2.5°	392.1	505.0	655.5	969.3	1240.6	1375.5	2132.0	3019.9	3434.4	3873.8	4444.8
-5°	394.0	517.7	669.9	959.6	1220.0	1367.5	2110.0	2989.4	3445.8	3851.3	4365.5
-7.5°	391.3	526.7	679.9	940.5	1179.9	1322.1	1985.6	2804.2	3265.7	3618.9	4102.5
-10°	384.2	525.4	668.8	897.8	1115.9	1253.1	1815.3	2590.4	3078.1	3382.2	3803.5
-12.5°	371.9	515.6	651.1	851.9	1051.2	1182.8	1617.0	2353.7	2888.0	3147.6	3488.5
-15°	358.2	504.0	630.3	804.5	987.9	1111.9	1391.8	2098.2	2706.8	2971.3	3224.5
-17.5°	343.9	490.8	606.6	757.0	928.1	1041.7	1148.7	1826.8	2477.7	2791.5	3036.1
-20°	329.8	476.3	580.3	710.9	871.8	987.3	1075.1	1551.7	2155.8	2592.3	2837.9



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	316.7	460.9	555.4	675.2	822.2	943.9	1033.0	1282.6	1816.1	2375.6	2641.1
-25°	311.9	438.8	535.0	643.9	774.7	900.1	991.9	1054.3	1495.1	2049.0	2453.6
-27.5°	312.1	420.3	515.5	610.3	727.3	853.4	945.1	1009.5	1251.2	1728.0	2242.2
-30°	309.3	398.0	494.1	577.6	685.7	799.8	896.6	985.6	1062.0	1443.7	1897.5
-32.5°	297.6	374.6	468.2	551.9	643.9	748.1	856.9	952.1	1035.1	1159.2	1570.3
-35°	281.8	355.2	440.1	524.5	601.6	702.0	809.0	913.0	1001.1	1078.2	1265.8
-37.5°	267.4	333.2	411.0	494.2	569.9	656.0	757.4	861.7	956.3	1047.9	1132.7
-40°	251.0	308.7	383.3	461.6	537.1	612.3	703.9	802.4	902.2	1007.8	1109.8
-42.5°	232.1	288.3	353.8	427.6	499.2	572.9	648.0	740.6	841.0	952.7	1059.1
-45°	207.2	265.9	322.8	389.3	457.1	528.7	601.1	675.8	772.7	875.8	987.1
-47.5°	180.3	239.8	295.1	348.4	412.3	479.0	549.5	622.8	699.4	793.3	893.2
-50°	152.1	207.5	263.6	311.8	365.3	426.9	491.6	564.4	637.4	711.1	796.2
-52.5°	124.6	172.9	225.5	275.5	321.7	373.2	433.3	499.2	568.9	639.7	705.5
-55°	95.5	139.4	184.8	233.7	280.4	324.2	372.6	431.8	494.2	559.8	620.1
-57.5°	72.1	105.2	145.6	188.1	233.4	277.8	320.1	362.9	416.8	474.7	526.3
-60°	51.8	75.9	106.8	144.3	182.9	224.8	267.4	307.4	346.7	384.7	430.9
-62.5°	33.9	52.8	74.6	100.8	135.1	170.5	208.2	246.7	284.9	317.9	348.3
-65°	29.8	34.1	48.9	68.6	88.1	119.9	151.9	182.6	216.2	246.5	275.7
-67.5°	25.5	29.4	33.3	40.2	57.9	77.6	98.3	126.4	153.1	174.8	196.6
-70°	22.6	24.9	28.2	31.7	35.4	43.4	60.7	78.8	96.6	113.4	131.9
-72.5°	19.9	22.0	24.1	26.2	29.4	33.2	37.1	41.1	51.1	64.5	77.3
-75°	17.6	19.1	21.0	22.8	24.8	27.1	29.6	32.9	36.1	38.9	41.5
-77.5°	15.6	16.7	18.0	19.5	21.1	22.8	24.6	26.6	28.6	30.8	33.1
-80°	13.6	14.3	15.1	16.1	17.4	18.7	20.0	21.3	22.5	24.0	25.6
-82.5°	11.8	12.2	12.7	13.1	14.0	14.9	16.0	17.1	17.4	17.8	18.3
-85°	10.0	10.2	10.5	10.8	11.2	11.7	12.2	12.8	12.9	12.9	12.9
-87.5°	9.1	9.2	9.3	9.3	9.4	9.5	9.6	9.6	9.8	10.0	10.1
-90°	7.7	7.2	6.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.2	10.7	11.2	11.8	12.3	16.9	21.5	26.1	30.7	38.4	46.0
87.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	6.1	5.6	5.1	4.6	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.8	5.6	5.4	5.4	5.2	4.9	4.5	4.1	4.1	4.0
77.5°	6.4	6.5	6.5	6.4	6.2	5.7	5.2	4.7	4.2	4.1	4.1
75°	8.0	8.2	8.4	8.1	7.4	6.9	6.5	6.2	5.8	5.5	5.1
72.5°	14.3	14.5	13.8	13.3	12.0	11.4	11.5	11.4	11.0	10.8	10.7
70°	26.3	26.8	25.7	23.2	19.6	17.2	16.1	14.6	12.9	12.2	12.2
67.5°	37.4	34.3	30.9	27.5	23.0	19.3	17.0	15.0	13.1	12.1	11.5
65°	41.0	33.5	28.0	23.6	20.2	17.3	15.0	12.8	10.6	9.2	8.7
62.5°	35.6	26.6	21.1	17.9	15.5	13.9	11.6	9.6	7.8	6.8	7.1
60°	28.9	19.7	14.6	12.7	11.3	10.2	9.0	7.8	6.8	6.1	6.2
57.5°	21.7	14.3	10.2	9.9	9.4	8.6	7.9	7.3	6.7	6.1	6.1
55°	14.9	11.8	10.2	9.7	9.1	8.6	8.0	7.4	6.8	6.1	6.1
52.5°	11.7	10.7	10.3	9.9	9.3	8.7	8.1	7.5	6.9	6.2	6.1
50°	10.7	10.3	10.4	10.0	9.5	8.9	8.3	7.9	7.7	7.5	7.6
47.5°	11.0	11.3	11.0	10.3	9.9	10.0	10.0	10.0	10.1	9.7	9.6
45°	12.5	12.6	12.4	12.3	11.8	13.0	13.7	13.8	16.0	15.1	12.8
42.5°	15.6	16.3	17.2	18.3	16.9	21.6	29.0	34.0	29.1	23.0	19.3
40°	23.6	24.2	29.4	32.1	38.1	44.9	40.9	34.2	30.4	32.5	33.6
37.5°	37.3	43.5	52.0	61.6	59.3	49.1	50.3	50.1	48.4	52.5	52.8
35°	60.9	76.2	83.4	85.7	81.5	78.3	81.1	83.9	77.6	87.6	90.7
32.5°	99.4	118.2	122.4	118.0	118.5	125.4	130.5	139.8	149.2	164.1	181.9
30°	146.7	166.9	176.5	167.6	169.5	185.8	196.3	217.6	251.5	290.3	338.7
27.5°	217.3	232.3	249.5	251.9	243.8	267.6	305.1	327.4	418.7	479.1	588.0
25°	310.5	333.7	348.9	374.5	388.2	417.1	488.8	557.8	698.0	834.6	1066.2
22.5°	432.8	507.5	534.9	531.0	611.6	689.3	750.5	943.7	1219.8	1624.1	2079.1
20°	594.4	747.9	878.2	920.5	949.2	1154.1	1364.8	1964.5	2652.1	3799.5	4691.6
17.5°	1071.4	1121.8	1408.2	1641.3	1752.2	2186.1	3169.8	4679.4	7274.3	10824.7	13007.6
15°	1788.6	1932.7	2219.9	2713.0	3323.4	4473.5	6115.4	10928.5	17583.4	24855.9	31779.8
12.5°	2580.7	2881.3	3407.4	4133.7	5102.7	8384.2	13683.2	22738.6	35058.9	47658.9	63728.7
10°	3315.7	3920.3	4783.8	6009.7	8497.6	14103.8	23023.2	38415.8	60239.1	82994.7	105728.3
7.5°	3915.3	4780.3	6043.0	7879.3	12338.4	21339.1	35966.8	58645.8	86626.8	115903.0	146726.3
5°	4520.8	5615.8	7136.8	9358.6	14855.2	26928.9	46385.4	77433.6	113543.3	150432.2	189276.5
2.5°	5045.7	6326.7	8087.6	10683.4	16547.7	29954.3	52670.5	90902.2	133298.6	177442.2	226916.6
0°	5433.7	6737.9	8609.2	11309.7	18215.5	32309.6	56349.8	94883.4	138005.1	183578.6	234143.5
-2.5°	5379.7	6559.1	8255.4	10935.3	17635.9	31884.7	54051.6	91605.5	133809.3	176530.1	221627.2
-5°	5133.9	6159.6	7679.5	10078.3	15634.7	27664.0	48505.2	83115.2	122359.1	161398.9	201524.4
-7.5°	4759.3	5646.7	6978.9	9039.6	13327.1	22799.3	40119.5	67193.1	100932.4	134298.2	165251.4
-10°	4372.4	5095.2	6174.9	7803.2	10861.6	17480.3	29728.4	49968.0	78026.3	105504.1	129224.2
-12.5°	4008.6	4546.9	5314.7	6448.5	8333.6	13086.1	22334.1	37100.7	55842.8	76968.9	97508.2
-15°	3669.3	4067.4	4618.8	5533.2	7041.8	9860.7	14881.3	24722.0	37905.0	52651.5	66849.6
-17.5°	3358.3	3686.5	4116.7	4760.5	5695.4	7438.5	10955.6	16581.8	24541.2	35030.4	44835.2
-20°	3079.5	3376.8	3698.7	4181.0	4898.8	5924.9	7656.4	11149.1	15742.1	22353.5	28837.7



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2861.2	3094.7	3344.9	3713.9	4312.3	5039.8	5900.6	7331.5	9859.6	13250.7	17091.2
-25°	2661.8	2834.7	3094.2	3491.3	3901.3	4386.6	4908.5	5482.4	6604.1	7694.8	9705.5
-27.5°	2472.2	2654.6	2924.9	3283.3	3657.2	3883.9	4217.7	4572.2	5108.8	5582.4	6383.4
-30°	2314.1	2505.5	2735.1	3037.4	3352.3	3565.8	3739.5	3996.0	4293.5	4590.5	4935.1
-32.5°	2016.8	2382.1	2541.2	2771.8	3055.3	3279.9	3433.6	3624.2	3783.1	3967.8	4155.0
-35°	1691.6	2094.5	2423.6	2572.8	2768.8	3018.6	3237.2	3390.2	3513.4	3627.2	3734.5
-37.5°	1323.6	1742.7	2102.0	2404.5	2583.9	2751.3	2983.0	3188.9	3337.1	3415.5	3485.2
-40°	1183.6	1304.6	1684.2	2031.2	2301.2	2563.3	2743.9	2945.7	3117.0	3225.2	3306.2
-42.5°	1159.6	1221.8	1270.8	1533.8	1861.5	2142.2	2381.2	2616.7	2825.9	2981.1	3106.4
-45°	1094.9	1168.9	1237.8	1286.4	1336.8	1585.0	1851.9	2111.9	2348.0	2559.4	2744.0
-47.5°	990.3	1078.6	1152.3	1222.8	1277.6	1320.9	1370.9	1453.7	1674.9	1892.0	2098.3
-50°	876.7	956.7	1036.6	1112.5	1172.0	1224.3	1272.4	1313.6	1355.1	1398.5	1439.8
-52.5°	764.4	835.8	906.9	973.5	1036.9	1096.7	1152.2	1193.0	1228.0	1258.7	1281.9
-55°	675.9	729.0	780.9	837.4	893.7	946.4	994.7	1038.9	1079.1	1114.9	1142.5
-57.5°	578.3	630.4	680.0	722.3	763.4	803.1	844.1	883.3	917.9	947.9	972.2
-60°	476.3	520.9	565.0	606.6	646.2	683.5	717.1	748.0	775.9	799.9	817.8
-62.5°	377.9	413.0	452.7	488.9	520.8	551.2	585.8	617.0	644.6	667.6	684.7
-65°	303.4	328.7	357.2	385.2	412.8	442.4	472.6	499.3	522.9	542.1	557.3
-67.5°	221.1	245.9	273.6	298.8	322.0	347.1	376.0	402.4	426.6	446.2	462.0
-70°	149.1	166.7	188.6	212.0	234.8	258.7	285.0	310.3	334.6	353.1	368.2
-72.5°	89.4	101.0	112.7	128.0	144.2	163.8	185.9	208.0	230.0	246.0	258.4
-75°	43.7	48.4	58.0	66.9	75.1	85.6	96.8	107.3	117.1	124.3	130.2
-77.5°	35.4	37.7	39.9	42.0	44.0	48.6	54.2	59.9	65.8	70.4	74.8
-80°	27.3	28.7	30.2	31.7	33.4	36.9	40.7	44.6	48.4	51.3	54.0
-82.5°	19.0	19.7	20.4	21.1	21.7	24.3	26.9	29.4	31.9	34.2	36.4
-85°	12.8	13.0	13.2	13.4	13.5	16.1	18.8	21.4	24.1	26.3	28.5
-87.5°	10.2	10.3	10.3	10.4	10.4	12.6	14.7	16.8	18.8	20.9	22.9
-90°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	1.5	1.0



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	53.7	61.4	56.3	51.2	56.3	61.4	53.7	46.0	38.4	30.7	26.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
80°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.5
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.7
75°	4.6	4.1	5.1	6.1	5.1	4.1	4.6	5.1	5.5	5.8	6.2
72.5°	10.4	10.1	10.2	10.2	10.2	10.1	10.4	10.7	10.8	11.0	11.4
70°	12.2	12.2	12.3	12.3	12.3	12.2	12.2	12.2	12.2	12.9	14.6
67.5°	11.0	10.4	10.2	10.2	10.2	10.4	11.0	11.5	12.1	13.1	15.0
65°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.7	9.2	10.6	12.8
62.5°	7.6	8.1	8.2	8.2	8.2	8.1	7.6	7.1	6.8	7.8	9.6
60°	6.3	6.2	6.1	6.1	6.1	6.2	6.3	6.2	6.1	6.8	7.8
57.5°	6.1	6.1	6.9	8.2	6.9	6.1	6.1	6.1	6.1	6.7	7.3
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.8	7.4
52.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.9	7.5
50°	7.9	8.0	8.2	8.2	8.2	8.0	7.9	7.6	7.5	7.7	7.9
47.5°	9.8	10.0	9.5	8.2	9.5	10.0	9.8	9.6	9.7	10.1	10.0
45°	12.8	12.5	12.2	12.3	12.2	12.5	12.8	12.8	15.1	16.0	13.8
42.5°	20.0	20.2	20.3	20.5	20.3	20.2	20.0	19.3	23.0	29.1	34.0
40°	35.4	36.2	36.5	36.9	36.5	36.2	35.4	33.6	32.5	30.4	34.2
37.5°	53.6	54.5	54.8	55.3	54.8	54.5	53.6	52.8	52.5	48.4	50.1
35°	90.4	90.1	87.0	88.0	87.0	90.1	90.4	90.7	87.6	77.6	83.9
32.5°	194.1	195.5	185.5	169.9	185.5	195.5	194.1	181.9	164.1	149.2	139.8
30°	375.1	407.1	428.7	429.9	428.7	407.1	375.1	338.7	290.3	251.5	217.6
27.5°	660.7	710.6	731.9	743.2	731.9	710.6	660.7	588.0	479.1	418.7	327.4
25°	1248.3	1362.8	1424.6	1377.9	1424.6	1362.8	1248.3	1066.2	834.6	698.0	557.8
22.5°	2511.8	2730.8	2917.4	2927.7	2917.4	2730.8	2511.8	2079.1	1624.1	1219.8	943.7
20°	5931.9	5882.1	6353.9	6117.5	6353.9	5882.1	5931.9	4691.6	3799.5	2652.1	1964.5
17.5°	16825.3	18686.4	19715.0	18307.6	19715.0	18686.4	16825.3	13007.6	10824.7	7274.3	4679.4
15°	38680.7	43323.6	46465.0	46063.8	46465.0	43323.6	38680.7	31779.8	24855.9	17583.4	10928.5
12.5°	72729.7	80359.2	86862.3	86589.5	86862.3	80359.2	72729.7	63728.7	47658.9	35058.9	22738.6
10°	125982.2	139283.7	151679.9	152971.4	151679.9	139283.7	125982.2	105728.3	82994.7	60239.1	38415.8
7.5°	175044.4	204997.7	222852.5	227433.3	222852.5	204997.7	175044.4	146726.3	115903.0	86626.8	58645.8
5°	236478.6	271165.9	289931.1	290431.9	289931.1	271165.9	236478.6	189276.5	150432.2	113543.3	77433.6
2.5°	281957.1	321029.9	344071.0	361898.5	344071.0	321029.9	281957.1	226916.6	177442.2	133298.6	90902.2
0°	295482.8	329178.4	366776.4	387680.0	366776.4	329178.4	295482.8	234143.5	183578.6	138005.1	94883.4
-2.5°	277359.1	312637.9	331301.9	348304.9	331301.9	312637.9	277359.1	221627.2	176530.1	133809.3	91605.5
-5°	242928.8	280294.8	298227.0	302054.8	298227.0	280294.8	242928.8	201524.4	161398.9	122359.1	83115.2
-7.5°	193298.8	219598.4	237752.8	244872.8	237752.8	219598.4	193298.8	165251.4	134298.2	100932.4	67193.1
-10°	151282.8	168265.3	177350.2	183391.2	177350.2	168265.3	151282.8	129224.2	105504.1	78026.3	49968.0
-12.5°	114062.8	126339.3	133464.3	136565.8	133464.3	126339.3	114062.8	97508.2	76968.9	55842.8	37100.7
-15°	81189.2	90903.5	95728.1	98800.0	95728.1	90903.5	81189.2	66849.6	52651.5	37905.0	24722.0
-17.5°	55625.4	63436.3	67888.3	70783.8	67888.3	63436.3	55625.4	44835.2	35030.4	24541.2	16581.8
-20°	35590.6	40241.4	43667.1	44665.5	43667.1	40241.4	35590.6	28837.7	22353.5	15742.1	11149.1



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20794.4	23532.8	25258.0	25649.5	25258.0	23532.8	20794.4	17091.2	13250.7	9859.6	7331.5
-25°	11306.4	12499.5	13404.6	13711.2	13404.6	12499.5	11306.4	9705.5	7694.8	6604.1	5482.4
-27.5°	6943.3	7404.6	7738.8	7911.0	7738.8	7404.6	6943.3	6383.4	5582.4	5108.8	4572.2
-30°	5222.4	5432.8	5558.4	5642.6	5558.4	5432.8	5222.4	4935.1	4590.5	4293.5	3996.0
-32.5°	4287.8	4382.0	4438.7	4477.6	4438.7	4382.0	4287.8	4155.0	3967.8	3783.1	3624.2
-35°	3819.3	3880.5	3922.5	3943.2	3922.5	3880.5	3819.3	3734.5	3627.2	3513.4	3390.2
-37.5°	3537.1	3575.7	3603.7	3619.8	3603.7	3575.7	3537.1	3485.2	3415.5	3337.1	3188.9
-40°	3344.8	3371.8	3394.1	3419.1	3394.1	3371.8	3344.8	3306.2	3225.2	3117.0	2945.7
-42.5°	3169.3	3209.4	3229.6	3234.8	3229.6	3209.4	3169.3	3106.4	2981.1	2825.9	2616.7
-45°	2885.5	2997.0	3065.5	3087.4	3065.5	2997.0	2885.5	2744.0	2559.4	2348.0	2111.9
-47.5°	2287.9	2454.7	2580.6	2657.5	2580.6	2454.7	2287.9	2098.3	1892.0	1674.9	1453.7
-50°	1478.3	1513.6	1527.5	1519.1	1527.5	1513.6	1478.3	1439.8	1398.5	1355.1	1313.6
-52.5°	1300.3	1314.4	1326.2	1334.9	1326.2	1314.4	1300.3	1281.9	1258.7	1228.0	1193.0
-55°	1164.2	1180.2	1195.2	1207.9	1195.2	1180.2	1164.2	1142.5	1114.9	1079.1	1038.9
-57.5°	992.6	1008.8	1014.8	1013.4	1014.8	1008.8	992.6	972.2	947.9	917.9	883.3
-60°	832.6	844.0	852.6	857.8	852.6	844.0	832.6	817.8	799.9	775.9	748.0
-62.5°	698.1	708.1	719.3	728.9	719.3	708.1	698.1	684.7	667.6	644.6	617.0
-65°	570.1	580.7	589.2	595.8	589.2	580.7	570.1	557.3	542.1	522.9	499.3
-67.5°	476.2	488.7	498.2	505.7	498.2	488.7	476.2	462.0	446.2	426.6	402.4
-70°	382.0	394.5	402.1	407.4	402.1	394.5	382.0	368.2	353.1	334.6	310.3
-72.5°	269.2	278.2	282.5	284.6	282.5	278.2	269.2	258.4	246.0	230.0	208.0
-75°	135.4	139.8	143.9	147.4	143.9	139.8	135.4	130.2	124.3	117.1	107.3
-77.5°	79.1	83.3	85.8	88.0	85.8	83.3	79.1	74.8	70.4	65.8	59.9
-80°	56.6	59.1	61.3	63.5	61.3	59.1	56.6	54.0	51.3	48.4	44.6
-82.5°	38.6	40.8	41.9	43.0	41.9	40.8	38.6	36.4	34.2	31.9	29.4
-85°	30.6	32.7	33.8	34.8	33.8	32.7	30.6	28.5	26.3	24.1	21.4
-87.5°	24.8	26.7	27.7	28.7	27.7	26.7	24.8	22.9	20.9	18.8	16.8
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.5	16.9	12.3	11.8	11.2	10.7	10.2	9.7	9.2	8.7	8.2
87.5°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
85°	4.0	4.0	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.3	6.4	6.4	6.4
80°	4.9	5.2	5.4	5.4	5.6	5.8	6.2	6.7	7.2	7.7	7.8
77.5°	5.2	5.7	6.2	6.4	6.5	6.5	6.4	6.8	7.3	7.8	8.2
75°	6.5	6.9	7.4	8.1	8.4	8.2	8.0	7.8	7.8	8.0	8.2
72.5°	11.5	11.4	12.0	13.3	13.8	14.5	14.3	13.3	11.7	9.7	8.2
70°	16.1	17.2	19.6	23.2	25.7	26.8	26.3	24.3	20.9	18.3	14.7
67.5°	17.0	19.3	23.0	27.5	30.9	34.3	37.4	40.0	38.8	35.0	25.3
65°	15.0	17.3	20.2	23.6	28.0	33.5	41.0	45.5	48.0	48.6	40.3
62.5°	11.6	13.9	15.5	17.9	21.1	26.6	35.6	43.7	50.9	53.1	45.2
60°	9.0	10.2	11.3	12.7	14.6	19.7	28.9	38.7	48.9	49.1	45.5
57.5°	7.9	8.6	9.4	9.9	10.2	14.3	21.7	31.4	42.0	41.9	40.6
55°	8.0	8.6	9.1	9.7	10.2	11.8	14.9	21.4	30.1	32.2	32.1
52.5°	8.1	8.7	9.3	9.9	10.3	10.7	11.7	15.4	18.6	22.1	23.6
50°	8.3	8.9	9.5	10.0	10.4	10.3	10.7	11.7	13.6	15.7	17.2
47.5°	10.0	10.0	9.9	10.3	11.0	11.3	11.0	10.7	12.0	12.5	14.0
45°	13.7	13.0	11.8	12.3	12.4	12.6	12.5	13.1	12.7	12.8	12.3
42.5°	29.0	21.6	16.9	18.3	17.2	16.3	15.6	16.9	16.2	14.7	15.8
40°	40.9	44.9	38.1	32.1	29.4	24.2	23.6	22.4	21.5	18.9	21.8
37.5°	50.3	49.1	59.3	61.6	52.0	43.5	37.3	32.4	28.8	29.6	31.3
35°	81.1	78.3	81.5	85.7	83.4	76.2	60.9	48.2	42.1	42.9	42.9
32.5°	130.5	125.4	118.5	118.0	122.4	118.2	99.4	74.5	64.3	60.4	56.9
30°	196.3	185.8	169.5	167.6	176.5	166.9	146.7	129.2	106.8	81.2	73.2
27.5°	305.1	267.6	243.8	251.9	249.5	232.3	217.3	199.6	161.6	121.8	98.5
25°	488.8	417.1	388.2	374.5	348.9	333.7	310.5	279.5	234.5	184.3	161.4
22.5°	750.5	689.3	611.6	531.0	534.9	507.5	432.8	368.2	351.9	352.1	278.3
20°	1364.8	1154.1	949.2	920.5	878.2	747.9	594.4	584.3	641.3	589.0	435.2
17.5°	3169.8	2186.1	1752.2	1641.3	1408.2	1121.8	1071.4	1018.1	985.7	882.7	622.7
15°	6115.4	4473.5	3323.4	2713.0	2219.9	1932.7	1788.6	1513.7	1383.9	1209.2	902.1
12.5°	13683.2	8384.2	5102.7	4133.7	3407.4	2881.3	2580.7	2166.4	1836.3	1625.6	1319.7
10°	23023.2	14103.8	8497.6	6009.7	4783.8	3920.3	3315.7	2764.8	2313.2	2069.4	1749.7
7.5°	35966.8	21339.1	12338.4	7879.3	6043.0	4780.3	3915.3	3283.9	2773.5	2501.9	2183.2
5°	46385.4	26928.9	14855.2	9358.6	7136.8	5615.8	4520.8	3752.6	3216.9	2922.0	2608.5
2.5°	52670.5	29954.3	16547.7	10683.4	8087.6	6326.7	5045.7	4106.7	3532.7	3166.8	2824.9
0°	56349.8	32309.6	18215.5	11309.7	8609.2	6737.9	5433.7	4365.0	3781.5	3365.9	3011.7
-2.5°	54051.6	31884.7	17635.9	10935.3	8255.4	6559.1	5379.7	4444.8	3873.8	3434.4	3019.9
-5°	48505.2	27664.0	15634.7	10078.3	7679.5	6159.6	5133.9	4365.5	3851.3	3445.8	2989.4
-7.5°	40119.5	22799.3	13327.1	9039.6	6978.9	5646.7	4759.3	4102.5	3618.9	3265.7	2804.2
-10°	29728.4	17480.3	10861.6	7803.2	6174.9	5095.2	4372.4	3803.5	3382.2	3078.1	2590.4
-12.5°	22334.1	13086.1	8333.6	6448.5	5314.7	4546.9	4008.6	3488.5	3147.6	2888.0	2353.7
-15°	14881.3	9860.7	7041.8	5533.2	4618.8	4067.4	3669.3	3224.5	2971.3	2706.8	2098.2
-17.5°	10955.6	7438.5	5695.4	4760.5	4116.7	3686.5	3358.3	3036.1	2791.5	2477.7	1826.8
-20°	7656.4	5924.9	4898.8	4181.0	3698.7	3376.8	3079.5	2837.9	2592.3	2155.8	1551.7



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5900.6	5039.8	4312.3	3713.9	3344.9	3094.7	2861.2	2641.1	2375.6	1816.1	1282.6
-25°	4908.5	4386.6	3901.3	3491.3	3094.2	2834.7	2661.8	2453.6	2049.0	1495.1	1054.3
-27.5°	4217.7	3883.9	3657.2	3283.3	2924.9	2654.6	2472.2	2242.2	1728.0	1251.2	1009.5
-30°	3739.5	3565.8	3352.3	3037.4	2735.1	2505.5	2314.1	1897.5	1443.7	1062.0	985.6
-32.5°	3433.6	3279.9	3055.3	2771.8	2541.2	2382.1	2016.8	1570.3	1159.2	1035.1	952.1
-35°	3237.2	3018.6	2768.8	2572.8	2423.6	2094.5	1691.6	1265.8	1078.2	1001.1	913.0
-37.5°	2983.0	2751.3	2583.9	2404.5	2102.0	1742.7	1323.6	1132.7	1047.9	956.3	861.7
-40°	2743.9	2563.3	2301.2	2031.2	1684.2	1304.6	1183.6	1109.8	1007.8	902.2	802.4
-42.5°	2381.2	2142.2	1861.5	1533.8	1270.8	1221.8	1159.6	1059.1	952.7	841.0	740.6
-45°	1851.9	1585.0	1336.8	1286.4	1237.8	1168.9	1094.9	987.1	875.8	772.7	675.8
-47.5°	1370.9	1320.9	1277.6	1222.8	1152.3	1078.6	990.3	893.2	793.3	699.4	622.8
-50°	1272.4	1224.3	1172.0	1112.5	1036.6	956.7	876.7	796.2	711.1	637.4	564.4
-52.5°	1152.2	1096.7	1036.9	973.5	906.9	835.8	764.4	705.5	639.7	568.9	499.2
-55°	994.7	946.4	893.7	837.4	780.9	729.0	675.9	620.1	559.8	494.2	431.8
-57.5°	844.1	803.1	763.4	722.3	680.0	630.4	578.3	526.3	474.7	416.8	362.9
-60°	717.1	683.5	646.2	606.6	565.0	520.9	476.3	430.9	384.7	346.7	307.4
-62.5°	585.8	551.2	520.8	488.9	452.7	413.0	377.9	348.3	317.9	284.9	246.7
-65°	472.6	442.4	412.8	385.2	357.2	328.7	303.4	275.7	246.5	216.2	182.6
-67.5°	376.0	347.1	322.0	298.8	273.6	245.9	221.1	196.6	174.8	153.1	126.4
-70°	285.0	258.7	234.8	212.0	188.6	166.7	149.1	131.9	113.4	96.6	78.8
-72.5°	185.9	163.8	144.2	128.0	112.7	101.0	89.4	77.3	64.5	51.1	41.1
-75°	96.8	85.6	75.1	66.9	58.0	48.4	43.7	41.5	38.9	36.1	32.9
-77.5°	54.2	48.6	44.0	42.0	39.9	37.7	35.4	33.1	30.8	28.6	26.6
-80°	40.7	36.9	33.4	31.7	30.2	28.7	27.3	25.6	24.0	22.5	21.3
-82.5°	26.9	24.3	21.7	21.1	20.4	19.7	19.0	18.3	17.8	17.4	17.1
-85°	18.8	16.1	13.5	13.4	13.2	13.0	12.8	12.9	12.9	12.9	12.8
-87.5°	14.7	12.6	10.4	10.4	10.3	10.3	10.2	10.1	10.0	9.8	9.6
-90°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1





REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	6.5	6.8	7.1	7.3	7.5	7.7	7.9	8.2	8.2	8.2	8.2
85°	6.6	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	7.7	7.8	8.0	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.4	8.7	8.8	8.5	8.2	8.2	8.2	8.2
70°	11.2	8.7	8.2	8.4	8.8	9.4	9.3	8.8	8.2	8.2	8.2
67.5°	16.5	12.6	9.9	8.4	8.4	9.0	9.9	9.6	8.9	8.2	8.2
65°	28.9	19.4	12.1	10.1	8.7	8.4	9.2	10.0	9.6	8.8	8.2
62.5°	37.2	28.5	19.4	12.9	9.6	8.5	8.4	9.5	10.1	9.5	8.6
60°	41.0	32.8	26.2	19.3	12.5	8.7	8.3	9.0	9.8	10.1	9.1
57.5°	37.5	34.9	29.8	24.3	17.7	11.1	8.5	8.9	9.6	10.1	9.6
55°	31.7	30.7	31.4	27.3	21.7	15.2	9.8	9.0	9.5	10.0	10.1
52.5°	23.5	26.9	29.9	28.9	24.1	18.7	13.0	9.1	9.6	10.0	10.2
50°	17.3	22.4	28.0	29.3	26.0	20.8	15.7	11.1	9.7	10.1	10.3
47.5°	16.0	20.3	24.9	29.6	27.8	22.8	17.6	12.8	9.8	10.2	10.5
45°	16.5	20.0	23.5	27.6	29.5	24.3	19.3	14.1	10.8	10.4	10.7
42.5°	18.3	21.4	24.0	26.3	28.3	25.3	20.9	15.4	11.5	10.6	10.9
40°	23.7	24.1	25.5	27.8	27.4	26.0	21.6	16.7	12.0	11.1	11.2
37.5°	30.8	29.6	28.8	31.9	28.5	25.9	21.9	17.9	13.3	12.0	11.5
35°	41.2	37.6	35.9	38.4	34.4	26.7	21.9	18.6	15.4	12.9	11.9
32.5°	53.1	50.7	48.5	45.9	42.5	28.1	22.4	20.4	17.6	13.9	12.3
30°	71.3	74.1	64.0	54.4	51.7	35.7	25.3	22.7	19.9	14.8	12.8
27.5°	111.4	104.9	83.8	68.1	59.8	45.9	31.5	25.3	22.2	16.2	13.6
25°	163.3	145.7	114.0	84.9	68.5	74.4	38.8	28.5	24.5	18.1	14.4
22.5°	225.9	195.7	149.2	103.2	108.1	111.6	54.6	34.4	26.9	20.0	15.2
20°	296.4	253.1	201.3	171.7	157.9	147.0	82.0	40.8	29.5	21.8	16.0
17.5°	385.1	360.4	326.9	261.1	214.8	186.2	114.0	47.7	32.2	23.7	16.8
15°	630.6	525.6	466.2	361.1	275.5	228.3	149.6	55.0	35.0	25.4	17.7
12.5°	926.7	694.1	615.4	469.2	339.2	272.6	187.6	62.5	37.9	27.4	18.8
10°	1243.7	864.6	771.6	582.7	404.6	318.4	226.8	71.6	42.8	29.6	20.0
7.5°	1571.2	1035.7	931.1	698.4	469.6	364.0	269.9	84.3	48.1	31.6	21.2
5°	1866.5	1180.1	1059.0	796.9	527.9	407.7	311.9	97.0	53.4	33.6	22.4
2.5°	2008.7	1281.2	1160.4	887.6	583.9	449.6	350.7	109.3	58.6	35.3	23.6
0°	2121.1	1377.9	1253.0	970.5	636.7	489.3	384.9	120.8	63.5	36.9	24.6
-2.5°	2132.0	1375.5	1240.6	969.3	655.5	505.0	392.1	138.3	78.1	46.8	29.3
-5°	2110.0	1367.5	1220.0	959.6	669.9	517.7	394.0	154.6	91.9	56.3	33.8
-7.5°	1985.6	1322.1	1179.9	940.5	679.9	526.7	391.3	169.4	104.8	65.1	38.0
-10°	1815.3	1253.1	1115.9	897.8	668.8	525.4	384.2	182.6	116.6	73.0	41.6
-12.5°	1617.0	1182.8	1051.2	851.9	651.1	515.6	371.9	194.7	127.2	79.8	44.6
-15°	1391.8	1111.9	987.9	804.5	630.3	504.0	358.2	205.1	136.8	86.1	47.0
-17.5°	1148.7	1041.7	928.1	757.0	606.6	490.8	343.9	213.5	145.1	92.0	49.6
-20°	1075.1	987.3	871.8	710.9	580.3	476.3	329.8	219.7	151.9	96.4	52.1



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1033.0	943.9	822.2	675.2	555.4	460.9	316.7	223.6	157.2	99.2	53.4
-25°	991.9	900.1	774.7	643.9	535.0	438.8	311.9	225.1	160.8	100.3	53.6
-27.5°	945.1	853.4	727.3	610.3	515.5	420.3	312.1	228.2	162.5	99.6	52.3
-30°	896.6	799.8	685.7	577.6	494.1	398.0	309.3	229.3	161.3	97.9	49.8
-32.5°	856.9	748.1	643.9	551.9	468.2	374.6	297.6	228.3	157.7	94.8	47.9
-35°	809.0	702.0	601.6	524.5	440.1	355.2	281.8	225.0	151.5	89.7	45.4
-37.5°	757.4	656.0	569.9	494.2	411.0	333.2	267.4	209.9	142.7	82.6	41.8
-40°	703.9	612.3	537.1	461.6	383.3	308.7	251.0	191.3	132.4	73.3	37.0
-42.5°	648.0	572.9	499.2	427.6	353.8	288.3	232.1	170.8	116.3	65.2	31.0
-45°	601.1	528.7	457.1	389.3	322.8	265.9	207.2	148.8	98.3	56.9	26.4
-47.5°	549.5	479.0	412.3	348.4	295.1	239.8	180.3	127.1	79.1	46.9	25.2
-50°	491.6	426.9	365.3	311.8	263.6	207.5	152.1	104.0	65.3	34.7	23.6
-52.5°	433.3	373.2	321.7	275.5	225.5	172.9	124.6	80.3	50.8	29.2	21.8
-55°	372.6	324.2	280.4	233.7	184.8	139.4	95.5	63.4	35.7	26.5	19.9
-57.5°	320.1	277.8	233.4	188.1	145.6	105.2	72.1	45.8	29.9	23.8	18.7
-60°	267.4	224.8	182.9	144.3	106.8	75.9	51.8	32.3	26.6	21.1	17.3
-62.5°	208.2	170.5	135.1	100.8	74.6	52.8	33.9	28.7	23.3	19.4	15.7
-65°	151.9	119.9	88.1	68.6	48.9	34.1	29.8	24.9	21.1	17.6	14.4
-67.5°	98.3	77.6	57.9	40.2	33.3	29.4	25.5	22.2	19.0	15.8	13.3
-70°	60.7	43.4	35.4	31.7	28.2	24.9	22.6	19.9	16.9	14.6	12.3
-72.5°	37.1	33.2	29.4	26.2	24.1	22.0	19.9	17.7	15.5	13.4	11.2
-75°	29.6	27.1	24.8	22.8	21.0	19.1	17.6	16.1	14.1	12.1	10.8
-77.5°	24.6	22.8	21.1	19.5	18.0	16.7	15.6	14.5	12.8	11.5	10.6
-80°	20.0	18.7	17.4	16.1	15.1	14.3	13.6	12.9	11.7	10.9	10.4
-82.5°	16.0	14.9	14.0	13.1	12.7	12.2	11.8	11.3	10.6	10.2	10.0
-85°	12.2	11.7	11.2	10.8	10.5	10.2	10.0	9.9	9.7	9.6	9.4
-87.5°	9.6	9.5	9.4	9.3	9.3	9.2	9.1	9.0	9.0	8.9	8.8
-90°	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2	8.2	8.2	8.2



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
67.5°	8.3	8.2	8.2	8.2	8.2	8.2	8.2
65°	8.3	8.3	8.2	8.2	8.2	8.2	8.2
62.5°	8.4	8.4	8.2	8.2	8.2	8.2	8.2
60°	8.6	8.6	8.2	8.2	8.2	8.2	8.2
57.5°	9.0	8.8	8.4	8.2	8.2	8.2	8.2
55°	9.3	9.0	8.6	8.2	8.3	8.2	8.2
52.5°	9.7	9.2	8.8	8.2	8.3	8.2	8.2
50°	10.0	9.5	9.0	8.2	8.3	8.2	8.2
47.5°	10.2	9.7	9.3	8.2	8.4	8.2	8.2
45°	10.4	9.8	9.5	8.4	8.4	8.2	8.2
42.5°	10.6	10.0	9.7	8.6	8.5	8.2	8.2
40°	10.8	10.1	9.9	8.8	8.6	8.2	8.2
37.5°	11.1	10.2	10.0	9.1	8.7	8.2	8.2
35°	11.4	10.3	10.1	9.3	8.7	8.2	8.2
32.5°	11.7	10.6	10.1	9.4	8.8	8.2	8.2
30°	12.0	10.8	10.2	9.6	8.9	8.2	8.2
27.5°	12.4	11.0	10.2	9.7	9.0	8.2	8.2
25°	12.7	11.3	10.2	9.8	9.1	8.2	8.2
22.5°	13.1	11.5	10.2	9.9	9.2	8.2	8.2
20°	13.5	11.7	10.2	10.0	9.4	8.2	8.2
17.5°	13.7	11.8	10.2	10.1	9.5	8.2	8.2
15°	13.9	11.9	10.2	10.1	9.6	8.2	8.2
12.5°	14.0	12.0	10.2	10.2	9.7	8.2	8.2
10°	14.1	12.1	10.2	10.2	9.8	8.2	8.2
7.5°	14.2	12.2	10.2	10.2	9.9	8.2	8.2
5°	14.3	12.3	10.2	10.2	10.0	8.2	8.2
2.5°	14.3	12.3	10.2	10.2	10.1	8.2	8.2
0°	14.3	12.3	10.2	10.2	10.2	8.2	8.2
-2.5°	16.2	12.7	10.4	10.2	10.2	8.2	8.2
-5°	18.0	13.2	10.6	10.2	10.2	8.2	8.2
-7.5°	19.7	13.5	10.7	10.2	10.2	8.2	8.2
-10°	21.3	13.9	10.9	10.2	10.1	8.2	8.2
-12.5°	22.6	14.2	11.0	10.2	10.1	8.2	8.2
-15°	23.6	14.4	11.1	10.2	10.1	8.2	8.2
-17.5°	24.3	14.6	11.2	10.2	10.0	8.2	8.2
-20°	25.0	14.7	11.3	10.2	10.0	8.2	8.2



REPORT NUMBER: P731724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.8	14.7	11.3	10.2	9.9	8.2	8.2
-25°	25.9	14.9	11.3	10.2	9.8	8.2	8.2
-27.5°	25.3	15.0	11.3	10.2	9.7	8.2	8.2
-30°	24.0	15.0	11.2	10.2	9.7	8.2	8.2
-32.5°	22.0	14.8	11.2	10.2	9.6	8.2	8.2
-35°	21.1	14.6	11.2	10.2	9.5	8.2	8.2
-37.5°	20.8	14.4	11.1	10.2	9.4	8.2	8.2
-40°	20.2	14.2	11.0	10.2	9.3	8.2	8.2
-42.5°	19.5	14.0	10.9	10.2	9.1	8.2	8.2
-45°	18.7	13.7	10.9	10.2	9.0	8.2	8.2
-47.5°	17.6	13.4	10.9	10.2	8.9	8.2	8.2
-50°	16.9	12.9	10.8	10.1	8.8	8.2	8.2
-52.5°	16.2	12.4	10.7	9.9	8.6	8.2	8.2
-55°	15.4	12.1	10.6	9.7	8.5	8.2	8.2
-57.5°	14.4	11.7	10.4	9.5	8.3	8.2	8.2
-60°	13.4	11.4	10.2	9.3	8.2	8.2	8.2
-62.5°	12.8	10.9	10.0	9.2	8.2	8.2	8.2
-65°	12.0	10.5	9.8	9.0	8.2	8.2	8.2
-67.5°	11.2	10.1	9.7	8.8	8.2	8.2	8.2
-70°	10.3	10.0	9.5	8.6	8.2	8.2	8.2
-72.5°	10.2	9.9	9.3	8.6	8.2	8.2	8.2
-75°	10.2	9.8	9.2	8.5	8.2	8.2	8.2
-77.5°	10.2	9.7	9.0	8.5	8.2	8.2	8.2
-80°	10.2	9.5	8.9	8.4	8.2	8.2	8.2
-82.5°	9.7	9.2	8.7	8.4	8.2	8.2	8.2
-85°	9.2	8.8	8.5	8.3	8.2	8.2	8.2
-87.5°	8.7	8.5	8.4	8.3	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

