

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: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-1S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-40-80-1S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

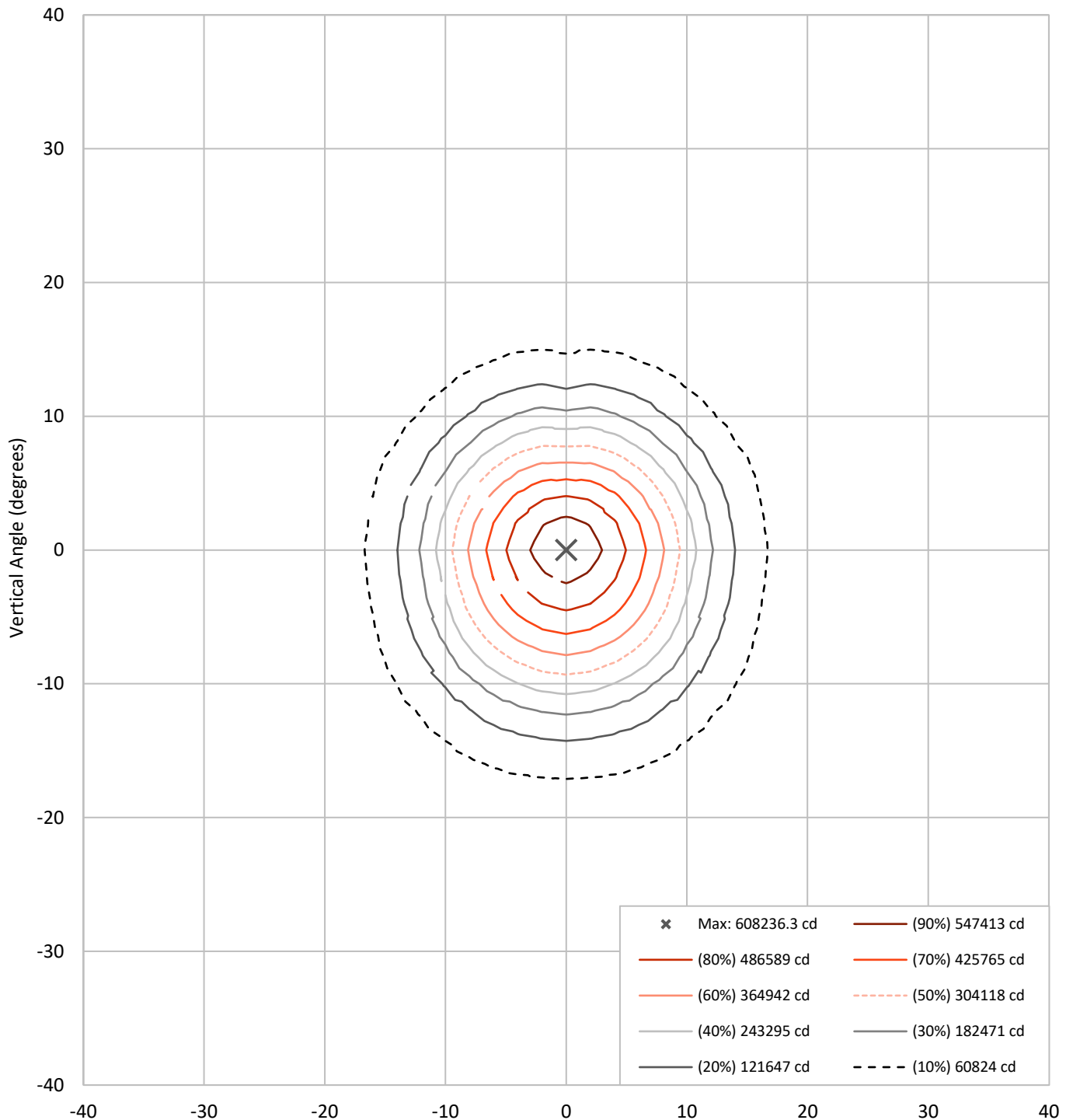
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	70124.4 lumens	Max Intensity:	608236.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	32301 lumens	Field Lumens:	59374 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 724.3  
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: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

### Iso-Candela Plot





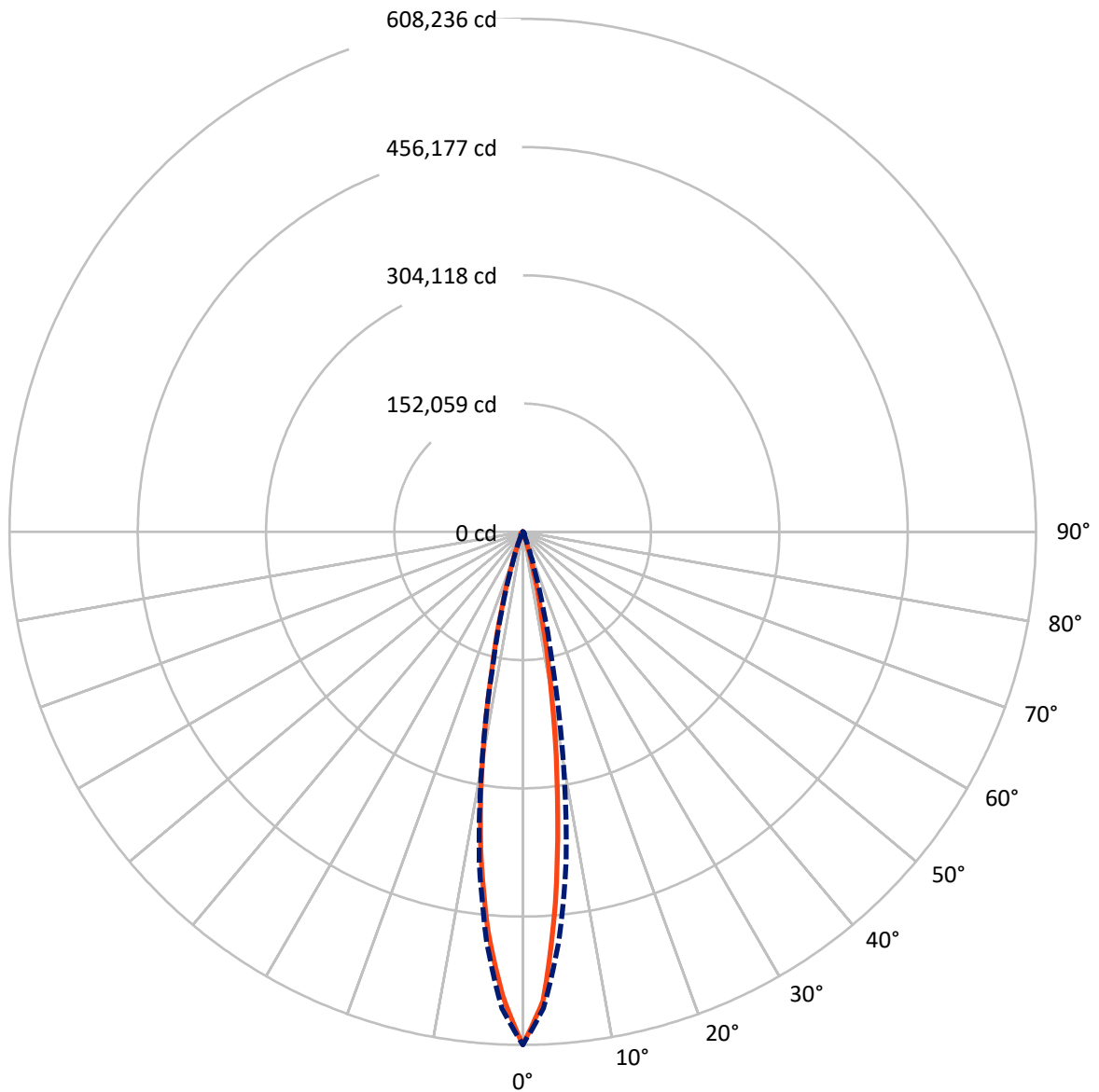
REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

### Lumen Table

90	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
80	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2			
40		0.2	0.8	1.5	3.4	5.3	5.6	6.5	6.5	5.6	5.3	3.4	1.5	0.8	0.2				
30	0.2	0.4	2.5	8.5	22.6	27.6	36.4	67.9	67.9	36.4	27.6	22.6	8.5	2.5	0.4	0.2			
20		0.8	5.4	22.1	48.3	67.8	463.0	1862.1	1862.1	463.0	67.8	48.3	22.1	5.4	0.8				
10	0.3	1.6	9.3	42.7	72.9	168.9	2419.5	10441.7	10441.7	2419.5	168.9	72.9	42.7	9.3	1.6	0.3			
0		2.6	12.3	50.3	84.2	167.6	2624.9	11175.5	11175.5	2624.9	167.6	84.2	50.3	12.3	2.6				
-10	0.5	3.0	12.7	47.3	89.6	105.3	761.3	2883.1	2883.1	761.3	105.3	89.6	47.3	12.7	3.0	0.5			
-20		2.8	11.0	26.2	68.4	84.8	103.4	191.2	191.2	103.4	84.8	68.4	26.2	11.0	2.8				
-30	0.4	2.4	8.3	15.3	38.1	72.2	86.4	89.6	89.6	86.4	72.2	38.1	15.3	8.3	2.4	0.4			
-40		1.6	5.7	12.1	19.5	35.3	64.5	89.2	89.2	64.5	35.3	19.5	12.1	5.7	1.6				
-50	0.3	0.7	3.2	8.1	14.9	21.3	26.4	29.6	29.6	26.4	21.3	14.9	8.1	3.2	0.7	0.3			
-60		0.3	1.1	3.8	7.9	12.9	18.1	21.4	21.4	18.1	12.9	7.9	3.8	1.1	0.3				
-70	0.2	0.9	2.9	7.0	10.4	7.0	2.9	0.9	0.2							0.2			
-80		0.2	0.9	2.9	7.0	10.4	7.0	2.9	0.9	0.2									
-90	0.2	0.9	2.9	7.0	10.4	7.0	2.9	0.9	0.2						0.2				

REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

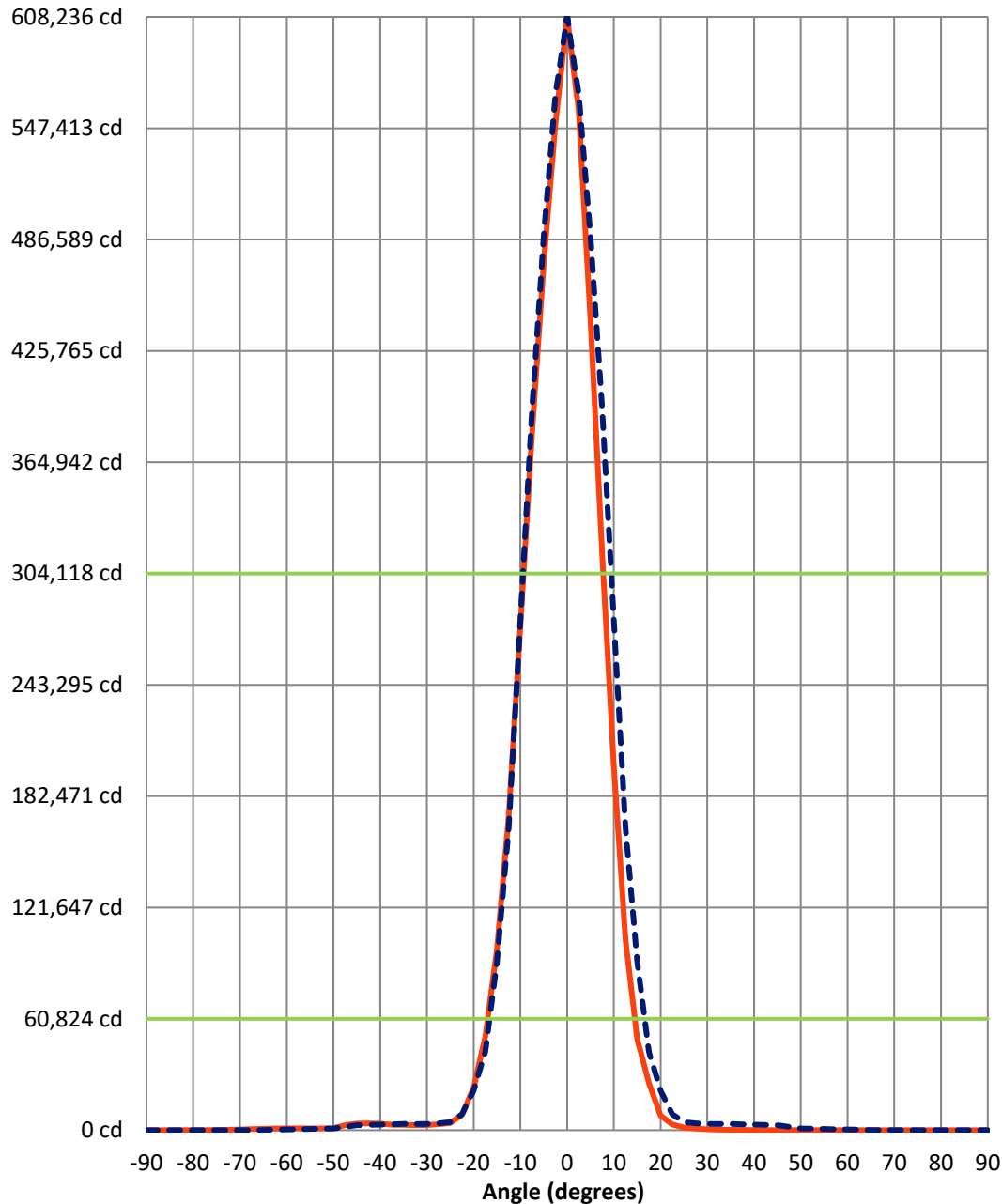
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

### Luminous Intensity Plot



**Beam:**  
 H Angle: 18.9°  
 V Angle: 17.1°  
 Lumens: 32301  
 Efficiency: 46.1%

**Field:**  
 H Angle: 33.2°  
 V Angle: 31.5°  
 Lumens: 59374  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 10750.4  
 Efficiency: 15.3%

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



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.9	8.3	8.6	9.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.6	6.4
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.2	7.0	7.0	7.0
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.3	7.4	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.7	7.7
65°	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.8	8.0	7.8
62.5°	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.8	8.2	8.2	7.9
60°	7.5	7.5	7.5	7.5	7.5	7.8	7.8	8.2	8.6	8.3	8.0
57.5°	7.5	7.5	7.5	7.5	7.6	7.9	8.1	8.6	8.7	8.4	8.0
55°	7.5	7.5	7.5	7.5	7.8	8.1	8.4	9.0	8.8	8.4	8.1
52.5°	7.5	7.5	7.5	7.5	8.0	8.3	8.6	9.0	8.8	8.5	8.2
50°	7.5	7.5	7.5	7.5	8.1	8.4	8.8	9.0	8.9	8.6	9.2
47.5°	7.5	7.5	7.5	7.5	8.3	8.6	9.0	9.0	9.0	8.7	10.1
45°	7.5	7.5	7.5	7.7	8.5	8.7	9.0	9.0	9.1	9.3	10.9
42.5°	7.5	7.5	7.5	7.8	8.7	8.8	9.0	9.1	9.1	9.8	11.8
40°	7.5	7.5	7.5	7.9	8.8	8.9	9.0	9.2	9.4	10.2	12.6
37.5°	7.5	7.5	7.5	8.1	8.9	9.0	9.0	9.3	9.8	10.9	13.3
35°	7.5	7.5	7.5	8.2	8.9	9.0	9.0	9.5	10.2	11.9	13.7
32.5°	7.5	7.5	7.5	8.3	9.0	9.0	9.0	9.7	10.6	13.2	15.4
30°	7.5	7.5	7.5	8.4	9.0	9.0	9.2	10.0	11.0	14.6	17.4
27.5°	7.5	7.5	7.5	8.5	9.0	9.0	9.4	10.3	11.7	16.2	19.7
25°	7.5	7.5	7.5	8.6	9.0	9.0	9.5	10.6	12.9	18.0	22.3
22.5°	7.5	7.5	7.5	8.7	9.0	9.0	9.7	10.9	14.2	20.0	26.2
20°	7.5	7.5	7.5	8.7	9.0	9.1	9.9	11.2	15.5	22.1	29.9
17.5°	7.5	7.5	7.5	8.8	9.0	9.3	10.2	11.4	16.8	24.3	33.5
15°	7.5	7.5	7.5	8.8	9.0	9.4	10.5	11.8	18.2	26.6	36.9
12.5°	7.5	7.5	7.5	8.9	9.0	9.6	10.8	12.3	19.6	28.9	40.2
10°	7.5	7.5	7.5	8.9	9.0	9.8	11.1	12.9	21.0	31.6	44.9
7.5°	7.5	7.5	7.5	9.0	9.0	10.0	11.3	13.4	22.3	34.3	53.3
5°	7.5	7.5	7.5	9.0	9.0	10.1	11.6	13.9	23.5	37.0	62.1
2.5°	7.5	7.5	7.5	9.0	9.0	10.3	11.8	14.4	24.5	39.5	70.9
0°	7.5	7.5	7.5	9.0	9.0	10.5	12.0	14.9	25.4	41.8	79.2
-2.5°	7.5	7.5	7.6	9.0	9.1	10.7	12.8	17.9	32.1	54.3	100.3
-5°	7.5	7.5	7.6	9.0	9.3	10.8	13.5	20.8	38.5	66.2	120.2
-7.5°	7.5	7.5	7.7	9.0	9.4	10.9	14.2	23.5	44.3	77.2	138.3
-10°	7.5	7.5	7.8	8.9	9.5	11.0	14.8	25.9	49.5	87.0	154.2
-12.5°	7.5	7.5	7.8	8.9	9.6	11.1	15.3	27.8	53.8	95.7	166.6
-15°	7.5	7.5	7.9	8.9	9.7	11.2	15.6	29.3	58.6	104.8	176.4
-17.5°	7.5	7.5	7.9	8.9	9.7	11.3	15.9	31.5	64.0	112.3	183.7
-20°	7.5	7.5	8.0	8.9	9.8	11.3	16.4	34.0	68.1	118.2	188.6



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	7.5	8.0	8.9	9.8	11.4	17.4	35.6	70.8	122.3	190.8
-25°	7.5	7.5	8.0	8.8	9.8	11.7	18.0	36.1	71.8	124.4	190.2
-27.5°	7.5	7.5	8.0	8.8	9.8	12.0	18.1	35.6	71.2	124.9	191.8
-30°	7.5	7.5	8.0	8.9	9.7	12.2	17.7	33.9	70.2	124.1	191.1
-32.5°	7.5	7.5	8.1	8.9	9.8	12.4	16.9	33.1	68.2	120.8	187.7
-35°	7.5	7.5	8.0	8.9	9.8	12.4	16.6	32.1	64.6	115.2	181.5
-37.5°	7.5	7.5	8.0	8.9	9.8	12.4	16.7	30.3	59.2	107.1	165.5
-40°	7.5	7.5	8.0	9.0	9.8	12.4	16.5	27.7	52.0	98.7	148.2
-42.5°	7.5	7.5	8.0	9.0	9.8	12.3	16.3	24.2	46.6	85.8	129.7
-45°	7.5	7.5	7.9	9.1	9.8	12.1	15.8	21.6	41.7	71.5	110.5
-47.5°	7.5	7.5	7.9	9.1	9.8	11.9	15.2	20.9	35.7	56.6	93.6
-50°	7.5	7.5	7.8	9.0	9.8	11.6	14.8	19.9	28.1	47.9	75.8
-52.5°	7.5	7.5	7.8	8.9	9.8	11.3	14.3	18.7	24.5	38.8	58.1
-55°	7.5	7.5	7.7	8.7	9.8	11.1	13.8	17.4	22.6	29.3	47.4
-57.5°	7.5	7.5	7.6	8.6	9.7	10.9	13.2	16.6	20.6	25.4	36.3
-60°	7.5	7.5	7.5	8.5	9.5	10.7	12.5	15.6	18.7	23.1	27.6
-62.5°	7.5	7.5	7.5	8.3	9.3	10.4	12.1	14.5	17.6	20.8	25.0
-65°	7.5	7.5	7.5	8.2	9.1	10.1	11.6	13.6	16.3	19.2	22.3
-67.5°	7.5	7.5	7.5	8.0	8.9	9.8	11.0	12.9	15.1	17.7	20.4
-70°	7.5	7.5	7.5	7.8	8.7	9.6	10.5	12.1	14.0	16.3	18.8
-72.5°	7.5	7.5	7.5	7.8	8.5	9.3	10.1	11.2	13.0	14.9	17.1
-75°	7.5	7.5	7.5	7.8	8.2	9.0	9.7	10.7	11.9	13.6	15.4
-77.5°	7.5	7.5	7.5	7.7	8.1	8.7	9.4	10.2	11.2	12.3	13.7
-80°	7.5	7.5	7.5	7.7	8.0	8.4	9.0	9.7	10.5	11.4	12.4
-82.5°	7.5	7.5	7.5	7.6	7.9	8.2	8.6	9.2	9.8	10.5	11.2
-85°	7.5	7.5	7.5	7.6	7.8	8.0	8.3	8.8	9.3	9.8	10.3
-87.5°	7.5	7.5	7.5	7.5	7.6	7.7	7.9	8.3	8.8	9.2	9.6
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0





REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
82.5°	6.4	6.4	6.2	6.0	5.7	5.3	4.9	4.7	4.7	4.7	4.7
80°	7.0	6.8	6.4	6.1	5.8	5.7	5.7	5.7	5.6	5.3	4.9
77.5°	7.2	6.8	6.5	6.1	6.0	6.2	6.2	6.1	5.7	5.4	5.0
75°	7.2	6.9	6.7	6.7	6.8	6.7	6.5	6.1	5.9	5.7	5.7
72.5°	7.3	7.2	7.2	7.5	7.3	6.9	6.6	6.2	6.5	7.3	7.9
70°	7.4	7.5	7.5	7.5	7.4	7.1	7.5	8.5	9.7	11.3	13.9
67.5°	7.5	7.5	7.5	7.5	7.5	8.0	9.1	14.6	21.1	23.9	25.1
65°	7.5	7.5	7.5	7.5	7.5	11.6	17.7	25.4	33.3	34.8	33.8
62.5°	7.5	7.5	7.5	8.6	12.0	17.6	24.8	33.0	42.3	42.6	37.2
60°	7.6	7.5	9.0	12.3	16.4	21.9	30.0	36.6	43.6	46.6	35.7
57.5°	7.7	8.7	11.7	15.7	20.0	24.3	29.0	35.5	38.8	39.3	29.0
55°	8.3	10.6	14.3	18.7	22.2	22.0	25.5	28.4	29.6	28.0	20.0
52.5°	9.9	12.5	16.7	20.9	22.3	20.6	19.9	21.8	21.0	18.0	14.7
50°	11.2	14.6	19.0	22.5	22.3	19.0	16.1	17.0	16.2	14.2	12.0
47.5°	12.7	16.5	21.8	24.1	21.3	19.1	16.4	15.6	14.8	15.2	13.5
45°	14.1	18.4	24.2	23.7	22.0	21.1	19.0	16.3	19.0	19.4	18.9
42.5°	15.2	20.0	24.1	23.7	24.9	24.3	22.6	23.8	25.2	26.4	27.0
40°	16.3	21.3	24.5	28.1	28.7	28.5	30.9	33.1	33.2	35.4	37.1
37.5°	17.0	22.5	27.5	35.9	33.1	35.8	40.6	44.9	47.3	45.4	50.9
35°	17.5	24.4	37.3	46.0	43.6	45.8	53.4	61.9	70.2	65.4	74.7
32.5°	18.8	27.2	49.8	57.6	66.0	66.4	67.8	91.2	109.1	117.2	121.6
30°	22.2	38.6	63.6	71.0	97.5	103.0	102.1	131.2	164.1	242.8	303.1
27.5°	26.8	52.5	76.4	98.7	136.3	146.1	160.0	193.4	294.7	444.2	613.4
25°	31.4	70.6	90.5	136.2	178.2	198.2	222.1	272.5	477.3	812.5	935.1
22.5°	41.0	90.9	113.1	179.0	224.5	251.8	295.2	418.3	701.1	1216.1	1249.2
20°	56.6	109.7	146.3	219.5	274.9	304.9	368.1	569.5	950.0	1325.2	1471.2
17.5°	73.1	130.6	182.6	260.3	329.5	372.1	450.0	713.2	1143.8	1466.4	1638.5
15°	89.9	153.1	216.0	305.5	389.2	456.5	611.7	907.5	1278.3	1633.2	1880.7
12.5°	106.9	176.6	246.8	353.6	453.2	540.7	807.4	1228.6	1571.9	1857.3	2184.2
10°	123.4	200.6	274.8	403.3	519.9	624.0	1022.6	1574.5	1912.8	2164.6	2451.0
7.5°	163.6	237.4	306.0	453.0	587.7	705.5	1247.5	1932.6	2222.5	2427.6	2643.4
5°	208.9	286.6	366.0	527.0	661.5	783.4	1466.3	2288.5	2506.9	2655.7	2789.9
2.5°	253.8	334.0	424.6	600.7	735.1	855.1	1650.9	2520.3	2707.4	2849.0	2955.9
0°	295.9	379.5	481.1	669.4	803.9	922.0	1809.5	2716.5	2885.4	3027.3	3155.8
-2.5°	319.5	416.3	523.4	695.6	811.8	926.2	1686.0	2649.6	2901.6	3091.0	3282.8
-5°	337.9	450.1	562.6	717.7	817.3	926.5	1541.4	2534.2	2921.0	3156.5	3390.9
-7.5°	351.0	480.3	598.4	735.7	823.9	930.2	1533.6	2575.1	3037.6	3251.0	3480.9
-10°	356.8	491.7	605.7	739.4	832.0	934.2	1514.5	2556.2	3150.0	3349.4	3555.8
-12.5°	345.6	486.2	603.7	738.2	838.6	933.9	1436.9	2470.6	3262.2	3457.2	3592.6
-15°	332.7	478.3	596.5	731.9	844.2	929.1	1293.1	2314.4	3282.4	3407.5	3541.0
-17.5°	318.9	468.1	583.7	720.5	849.1	919.8	1065.7	1920.2	2944.0	3244.3	3456.6
-20°	305.0	455.6	565.0	703.8	849.7	888.9	963.3	1541.2	2403.9	3009.5	3289.2



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	291.7	441.1	543.8	681.1	793.5	842.6	896.9	1189.6	1840.2	2707.3	2993.6
-25°	285.6	418.8	524.3	633.6	735.9	794.0	825.3	905.4	1376.8	2137.0	2665.5
-27.5°	283.4	399.6	495.1	587.9	686.2	741.5	765.8	824.9	1080.6	1587.3	2301.2
-30°	277.7	370.3	464.4	546.5	636.8	690.4	710.3	762.3	849.8	1217.0	1734.8
-32.5°	261.0	339.9	430.4	511.0	589.5	651.3	677.9	725.2	788.2	900.3	1271.8
-35°	240.2	314.0	395.0	474.3	546.5	613.8	660.7	694.8	737.6	794.3	976.6
-37.5°	221.8	287.0	359.3	436.1	505.6	574.7	641.2	672.4	706.0	749.2	825.6
-40°	201.7	258.8	327.2	397.1	465.1	532.5	597.0	653.3	680.0	724.6	777.1
-42.5°	180.0	234.7	295.3	358.1	423.1	486.8	550.5	610.4	668.1	703.3	745.3
-45°	158.2	209.0	263.2	322.0	380.0	439.7	499.3	560.9	632.1	693.8	724.5
-47.5°	135.0	182.0	233.1	285.1	338.7	392.5	446.9	513.3	584.4	651.1	715.8
-50°	111.8	155.1	202.1	251.0	298.8	347.1	396.6	465.9	534.6	599.6	661.3
-52.5°	91.1	126.9	171.4	217.7	261.5	304.5	355.4	418.5	484.1	548.4	607.0
-55°	69.6	102.0	139.1	182.6	226.4	265.5	314.6	372.3	431.6	493.4	551.0
-57.5°	53.6	77.5	109.2	145.1	186.9	230.2	277.8	325.8	379.9	435.8	486.9
-60°	40.7	57.2	80.7	110.9	143.7	186.6	238.2	285.8	331.2	375.8	423.6
-62.5°	29.2	42.3	57.9	78.1	106.3	139.7	183.2	232.2	284.8	323.5	361.2
-65°	26.3	30.2	40.9	55.3	70.2	97.7	130.5	167.2	211.5	250.9	291.1
-67.5°	23.2	26.9	30.5	36.1	49.2	63.9	79.3	108.6	140.7	168.0	196.5
-70°	21.1	23.6	26.8	30.1	33.5	40.0	53.0	66.5	79.8	95.1	118.1
-72.5°	19.1	21.1	23.4	26.1	29.2	32.5	36.1	39.9	47.7	57.6	67.0
-75°	16.9	18.4	20.2	22.3	24.6	27.2	30.1	33.2	35.9	38.3	40.8
-77.5°	14.8	15.9	17.1	18.4	19.9	21.8	23.9	26.2	28.2	30.1	32.0
-80°	12.9	13.4	14.2	15.1	16.3	17.5	18.6	19.8	20.8	22.2	23.7
-82.5°	11.4	11.6	11.8	12.2	13.0	13.8	14.6	15.6	16.2	16.9	17.6
-85°	10.1	9.8	9.7	9.7	10.3	11.0	11.6	12.3	12.6	12.8	13.1
-87.5°	9.5	9.4	9.2	9.0	9.2	9.5	9.8	10.1	10.1	10.1	10.2
-90°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.0	9.4	9.8	10.1	10.5	11.2	11.9	12.7	13.4	19.0	24.6
87.5°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
82.5°	4.5	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.5	1.5
80°	4.6	4.2	3.8	3.4	3.1	2.9	2.8	2.8	2.8	2.5	2.2
77.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.3	3.0	2.7	2.3
75°	5.9	5.9	5.7	5.3	4.7	4.2	3.8	3.5	3.1	3.0	2.9
72.5°	8.2	8.1	7.6	7.4	6.6	6.2	6.1	5.8	5.4	5.5	5.7
70°	15.3	15.6	14.9	13.5	11.5	10.1	9.5	8.6	7.5	7.4	7.9
67.5°	24.1	22.1	20.4	18.4	15.6	13.4	12.2	11.1	10.1	9.9	10.2
65°	30.4	24.0	20.6	18.1	16.2	14.4	13.0	11.6	10.2	9.4	9.2
62.5°	30.4	21.8	17.5	15.5	14.1	13.0	11.1	9.4	7.9	6.9	7.0
60°	26.1	17.9	13.2	11.5	10.1	9.0	8.1	7.2	6.5	6.0	6.1
57.5°	19.9	12.9	9.0	8.8	8.4	7.8	7.4	7.1	6.6	6.0	6.4
55°	13.9	10.8	9.1	9.2	9.4	9.2	8.7	8.0	7.4	7.0	7.2
52.5°	11.1	10.8	11.3	11.5	10.6	9.8	8.9	8.9	9.0	9.3	9.7
50°	11.8	12.3	12.5	11.8	11.3	10.9	10.4	10.9	11.5	12.1	12.6
47.5°	13.7	14.3	14.7	13.3	13.4	14.2	13.7	13.9	16.7	18.9	20.4
45°	17.9	20.1	20.4	20.7	20.5	22.5	23.7	24.8	30.5	32.7	32.6
42.5°	27.6	30.9	33.0	35.2	33.5	39.6	48.2	54.1	52.7	50.6	51.3
40°	41.6	47.7	56.3	61.0	66.2	73.0	75.5	65.4	63.9	72.0	72.7
37.5°	63.3	79.8	98.1	112.1	114.5	111.4	107.9	106.3	108.7	114.0	122.1
35°	104.1	142.9	159.8	168.6	174.0	157.6	151.4	157.4	152.2	167.2	172.4
32.5°	184.5	234.4	249.0	255.6	269.1	252.6	215.9	259.3	242.9	240.5	257.2
30°	292.4	362.2	422.2	426.5	416.9	414.3	435.3	441.0	421.4	421.3	487.0
27.5°	560.2	576.0	682.1	730.1	610.1	619.3	676.5	646.1	717.1	785.6	839.8
25°	887.1	900.3	1085.6	1057.3	930.3	966.4	1000.0	993.3	1075.6	1158.1	1251.9
22.5°	1187.6	1241.4	1393.7	1354.3	1297.7	1313.3	1344.1	1405.0	1515.8	1683.4	2120.2
20°	1427.4	1462.3	1536.2	1570.0	1573.2	1603.8	1701.9	1870.0	2214.9	3346.0	4711.6
17.5°	1658.4	1604.3	1693.2	1751.5	1814.4	1926.9	2154.9	2843.2	4506.2	7934.8	11294.7
15°	1994.0	1960.7	1908.3	1988.0	2162.8	2392.7	2925.4	5442.0	11091.5	17520.4	24204.4
12.5°	2359.6	2315.5	2243.3	2310.6	2576.0	2985.6	5489.6	11867.1	20898.0	32423.5	54874.0
10°	2651.1	2631.3	2586.4	2729.0	3075.3	4309.4	8744.9	18779.7	32208.2	58944.3	91626.7
7.5°	2829.5	2820.3	2858.8	3092.4	3564.2	6293.5	14295.6	28268.4	51865.3	88982.3	143846.5
5°	3024.4	3010.4	3072.2	3355.5	3913.6	7565.6	18631.3	36792.2	71933.7	123286.2	202961.1
2.5°	3233.5	3201.4	3265.0	3587.9	4187.3	7847.7	19604.7	39345.1	83846.7	149729.6	256477.8
0°	3444.2	3378.5	3412.9	3735.6	4391.6	8772.7	21621.8	43025.4	92268.3	165028.4	278562.0
-2.5°	3461.4	3350.0	3384.1	3682.5	4310.7	7553.3	18772.3	39634.3	87694.0	153549.7	255098.5
-5°	3490.5	3345.2	3335.6	3597.1	4195.1	6891.1	15926.3	36248.4	77478.5	135122.1	223119.0
-7.5°	3544.7	3372.9	3290.2	3483.6	4012.0	5990.5	12993.4	30175.7	62679.8	110206.6	173973.9
-10°	3633.5	3448.9	3313.7	3398.6	3780.8	4885.6	8597.1	21932.4	47445.7	83089.7	126313.0
-12.5°	3743.1	3657.8	3454.9	3337.4	3547.4	4146.0	6757.5	16386.4	33334.8	52567.3	84098.8
-15°	3793.9	3826.1	3679.5	3445.9	3459.7	3830.1	4726.1	8972.1	20924.9	34898.8	50453.6
-17.5°	3724.8	3877.3	3707.8	3439.8	3331.1	3550.6	3969.8	5526.4	9669.4	18645.0	27767.8
-20°	3523.0	3572.9	3538.3	3377.4	3263.4	3275.4	3482.8	3886.5	4694.7	7632.9	10862.0



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3149.3	3181.4	3172.3	3291.4	3163.6	3106.1	3151.2	3307.9	3558.8	3939.9	5008.5
-25°	2830.8	2817.2	2890.8	3090.0	3121.5	2982.6	2946.3	2957.7	3100.4	3269.5	3503.7
-27.5°	2526.9	2618.9	2780.7	2982.9	3070.7	2977.3	2859.9	2783.1	2851.7	2905.0	3010.3
-30°	2272.6	2510.2	2679.9	2864.1	2996.2	2981.4	2867.0	2829.4	2797.0	2759.3	2785.9
-32.5°	1867.8	2379.1	2554.2	2704.7	2864.8	2929.7	2928.8	2912.9	2927.5	2896.8	2828.2
-35°	1451.6	2002.7	2457.4	2541.0	2644.5	2797.4	2914.7	2933.3	2950.8	2950.1	2933.6
-37.5°	1041.3	1553.7	2014.5	2353.3	2474.9	2587.0	2805.6	2922.3	2960.4	3020.8	3043.1
-40°	854.0	1007.6	1468.3	1882.8	2162.2	2501.7	2728.8	2940.1	3157.4	3284.5	3356.4
-42.5°	797.8	861.7	929.2	1248.0	1646.5	2019.2	2375.2	2777.6	3086.3	3326.2	3565.3
-45°	757.3	798.4	843.3	905.9	968.6	1284.3	1647.0	2011.2	2352.9	2697.3	3027.9
-47.5°	741.3	756.3	787.5	823.4	865.1	920.3	972.7	1053.7	1335.8	1615.1	1914.7
-50°	715.5	753.1	766.6	779.7	813.4	845.8	870.8	905.1	939.2	960.6	988.8
-52.5°	661.2	709.7	751.3	789.2	811.1	829.9	846.6	874.6	900.9	923.8	939.7
-55°	605.1	655.2	703.0	749.8	793.5	835.5	871.9	892.1	912.4	932.9	941.4
-57.5°	539.1	591.9	643.6	692.3	740.0	786.6	828.0	865.2	901.0	934.1	954.9
-60°	470.0	515.1	567.2	621.3	671.1	717.0	762.7	805.9	845.8	879.7	901.1
-62.5°	402.7	445.6	488.6	537.3	591.4	643.5	684.7	726.6	768.8	805.8	832.6
-65°	329.8	365.6	400.1	436.8	475.4	517.3	560.9	603.8	645.6	680.8	707.2
-67.5°	230.3	264.7	296.4	327.9	356.9	386.3	417.6	449.4	481.1	509.0	532.6
-70°	140.4	161.3	179.8	199.9	223.8	248.5	273.1	295.9	316.5	333.6	347.4
-72.5°	76.0	84.0	93.0	107.8	121.5	136.1	151.2	165.2	178.0	189.8	200.4
-75°	43.3	47.0	53.3	59.0	64.2	70.4	77.2	83.7	89.9	96.0	101.6
-77.5°	33.8	35.6	37.4	39.0	40.6	42.9	45.4	48.1	50.7	55.2	60.0
-80°	25.2	26.4	27.5	28.7	29.8	31.4	32.9	34.3	35.7	37.7	39.6
-82.5°	18.3	18.9	19.4	19.8	20.3	21.3	22.4	23.4	24.4	26.6	28.7
-85°	13.3	13.5	13.7	13.9	14.1	14.6	15.1	15.6	16.1	18.0	20.0
-87.5°	10.2	10.3	10.4	10.5	10.5	10.9	11.3	11.7	12.0	14.0	15.8
-90°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30.3	35.9	41.1	46.3	41.1	35.9	30.3	24.6	19.0	13.4	12.7
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.8	2.8
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.0	3.3
75°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.5
72.5°	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.8
70°	8.4	8.9	9.7	10.5	9.7	8.9	8.4	7.9	7.4	7.5	8.6
67.5°	10.3	10.4	9.1	7.5	9.1	10.4	10.3	10.2	9.9	10.1	11.1
65°	9.1	9.1	8.3	7.5	8.3	9.1	9.1	9.2	9.4	10.2	11.6
62.5°	7.2	7.5	7.5	7.5	7.5	7.5	7.2	7.0	6.9	7.9	9.4
60°	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.5	7.2
57.5°	6.8	7.3	7.5	7.5	7.5	7.3	6.8	6.4	6.0	6.6	7.1
55°	7.4	7.5	8.1	9.0	8.1	7.5	7.4	7.2	7.0	7.4	8.0
52.5°	10.0	10.3	10.5	10.5	10.5	10.3	10.0	9.7	9.3	9.0	8.9
50°	12.9	13.2	13.3	13.4	13.3	13.2	12.9	12.6	12.1	11.5	10.9
47.5°	21.4	21.9	22.7	23.9	22.7	21.9	21.4	20.4	18.9	16.7	13.9
45°	34.1	35.0	36.5	38.9	36.5	35.0	34.1	32.6	32.7	30.5	24.8
42.5°	54.0	55.5	57.1	59.8	57.1	55.5	54.0	51.3	50.6	52.7	54.1
40°	74.4	75.4	76.4	79.2	76.4	75.4	74.4	72.7	72.0	63.9	65.4
37.5°	125.8	120.5	114.9	127.0	114.9	120.5	125.8	122.1	114.0	108.7	106.3
35°	171.5	174.7	179.7	188.3	179.7	174.7	171.5	172.4	167.2	152.2	157.4
32.5°	260.2	274.3	280.8	289.9	280.8	274.3	260.2	257.2	240.5	242.9	259.3
30°	517.8	516.8	475.1	482.6	475.1	516.8	517.8	487.0	421.3	421.4	441.0
27.5°	857.1	867.4	862.9	884.6	862.9	867.4	857.1	839.8	785.6	717.1	646.1
25°	1334.3	1378.9	1370.2	1413.6	1370.2	1378.9	1334.3	1251.9	1158.1	1075.6	993.3
22.5°	2657.0	2862.6	2859.4	3133.4	2859.4	2862.6	2657.0	2120.2	1683.4	1515.8	1405.0
20°	7096.6	8500.6	7922.0	8028.6	7922.0	8500.6	7096.6	4711.6	3346.0	2214.9	1870.0
17.5°	16365.2	21122.2	23188.2	25769.8	23188.2	21122.2	16365.2	11294.7	7934.8	4506.2	2843.2
15°	37358.7	50032.9	56372.7	49901.9	56372.7	50032.9	37358.7	24204.4	17520.4	11091.5	5442.0
12.5°	78218.1	100471.5	115853.9	104048.9	115853.9	100471.5	78218.1	54874.0	32423.5	20898.0	11867.1
10°	135128.5	176118.9	209995.3	198830.5	209995.3	176118.9	135128.5	91626.7	58944.3	32208.2	18779.7
7.5°	207737.5	273956.1	315286.0	314979.9	315286.0	273956.1	207737.5	143846.5	88982.3	51865.3	28268.4
5°	298870.9	383593.1	436218.7	442564.6	436218.7	383593.1	298870.9	202961.1	123286.2	71933.7	36792.2
2.5°	366348.9	458204.4	530061.6	555979.5	530061.6	458204.4	366348.9	256477.8	149729.6	83846.7	39345.1
0°	393899.2	488596.4	565408.1	608236.3	565408.1	488596.4	393899.2	278562.0	165028.4	92268.3	43025.4
-2.5°	372251.7	459714.4	523067.7	549602.0	523067.7	459714.4	372251.7	255098.5	153549.7	87694.0	39634.3
-5°	325025.9	407395.8	456267.0	473622.6	456267.0	407395.8	325025.9	223119.0	135122.1	77478.5	36248.4
-7.5°	254350.8	323302.2	365490.4	380728.2	365490.4	323302.2	254350.8	173973.9	110206.6	62679.8	30175.7
-10°	176138.7	227391.7	264019.3	275380.8	264019.3	227391.7	176138.7	126313.0	83089.7	47445.7	21932.4
-12.5°	113495.7	143904.5	164197.0	171588.1	164197.0	143904.5	113495.7	84098.8	52567.3	33334.8	16386.4
-15°	69045.6	85977.2	95804.9	99116.4	95804.9	85977.2	69045.6	50453.6	34898.8	20924.9	8972.1
-17.5°	38043.8	46215.4	49219.5	51333.4	49219.5	46215.4	38043.8	27767.8	18645.0	9669.4	5526.4
-20°	17043.6	20591.2	22332.0	23225.1	22332.0	20591.2	17043.6	10862.0	7632.9	4694.7	3886.5



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6571.6	7607.5	8074.1	8457.4	8074.1	7607.5	6571.6	5008.5	3939.9	3558.8	3307.9
-25°	3707.4	3851.2	3916.7	3959.8	3916.7	3851.2	3707.4	3503.7	3269.5	3100.4	2957.7
-27.5°	3085.3	3168.3	3225.2	3215.6	3225.2	3168.3	3085.3	3010.3	2905.0	2851.7	2783.1
-30°	2788.0	2813.6	2835.1	2818.2	2835.1	2813.6	2788.0	2785.9	2759.3	2797.0	2829.4
-32.5°	2779.8	2753.6	2738.5	2734.5	2738.5	2753.6	2779.8	2828.2	2896.8	2927.5	2912.9
-35°	2914.9	2903.0	2895.5	2900.3	2895.5	2903.0	2914.9	2933.6	2950.1	2950.8	2933.3
-37.5°	3045.8	3028.4	3001.9	2981.0	3001.9	3028.4	3045.8	3043.1	3020.8	2960.4	2922.3
-40°	3370.3	3433.1	3512.6	3556.3	3512.6	3433.1	3370.3	3356.4	3284.5	3157.4	2940.1
-42.5°	3636.2	3682.0	3702.7	3701.3	3702.7	3682.0	3636.2	3565.3	3326.2	3086.3	2777.6
-45°	3278.6	3461.9	3560.9	3580.2	3560.9	3461.9	3278.6	3027.9	2697.3	2352.9	2011.2
-47.5°	2237.5	2535.3	2710.0	2733.0	2710.0	2535.3	2237.5	1914.7	1615.1	1335.8	1053.7
-50°	1027.6	1067.5	1082.1	1071.4	1082.1	1067.5	1027.6	988.8	960.6	939.2	905.1
-52.5°	954.7	970.1	978.0	980.2	978.0	970.1	954.7	939.7	923.8	900.9	874.6
-55°	949.3	957.7	963.4	968.3	963.4	957.7	949.3	941.4	932.9	912.4	892.1
-57.5°	974.3	992.2	1000.7	1004.1	1000.7	992.2	974.3	954.9	934.1	901.0	865.2
-60°	920.4	938.0	944.4	945.9	944.4	938.0	920.4	901.1	879.7	845.8	805.9
-62.5°	857.8	881.0	889.7	892.1	889.7	881.0	857.8	832.6	805.8	768.8	726.6
-65°	730.2	749.9	751.2	745.6	751.2	749.9	730.2	707.2	680.8	645.6	603.8
-67.5°	553.8	572.3	573.3	567.8	573.3	572.3	553.8	532.6	509.0	481.1	449.4
-70°	358.5	367.0	368.8	367.6	368.8	367.0	358.5	347.4	333.6	316.5	295.9
-72.5°	209.8	217.7	216.2	212.2	216.2	217.7	209.8	200.4	189.8	178.0	165.2
-75°	106.5	110.9	112.6	113.6	112.6	110.9	106.5	101.6	96.0	89.9	83.7
-77.5°	64.8	69.5	70.8	71.7	70.8	69.5	64.8	60.0	55.2	50.7	48.1
-80°	41.4	43.1	43.3	43.3	43.3	43.1	41.4	39.6	37.7	35.7	34.3
-82.5°	30.7	32.8	33.6	34.4	33.6	32.8	30.7	28.7	26.6	24.4	23.4
-85°	21.9	23.9	24.6	25.4	24.6	23.9	21.9	20.0	18.0	16.1	15.6
-87.5°	17.7	19.5	20.2	20.9	20.2	19.5	17.7	15.8	14.0	12.0	11.7
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.9	11.2	10.5	10.1	9.8	9.4	9.0	9.0	9.0	9.0	9.0
87.5°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
85°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
82.5°	2.3	2.7	3.0	3.4	3.8	4.2	4.5	4.7	4.7	4.7	4.7
80°	2.8	2.9	3.1	3.4	3.8	4.2	4.6	4.9	5.3	5.6	5.7
77.5°	3.6	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.4	5.7	6.1
75°	3.8	4.2	4.7	5.3	5.7	5.9	5.9	5.7	5.7	5.9	6.1
72.5°	6.1	6.2	6.6	7.4	7.6	8.1	8.2	7.9	7.3	6.5	6.2
70°	9.5	10.1	11.5	13.5	14.9	15.6	15.3	13.9	11.3	9.7	8.5
67.5°	12.2	13.4	15.6	18.4	20.4	22.1	24.1	25.1	23.9	21.1	14.6
65°	13.0	14.4	16.2	18.1	20.6	24.0	30.4	33.8	34.8	33.3	25.4
62.5°	11.1	13.0	14.1	15.5	17.5	21.8	30.4	37.2	42.6	42.3	33.0
60°	8.1	9.0	10.1	11.5	13.2	17.9	26.1	35.7	46.6	43.6	36.6
57.5°	7.4	7.8	8.4	8.8	9.0	12.9	19.9	29.0	39.3	38.8	35.5
55°	8.7	9.2	9.4	9.2	9.1	10.8	13.9	20.0	28.0	29.6	28.4
52.5°	8.9	9.8	10.6	11.5	11.3	10.8	11.1	14.7	18.0	21.0	21.8
50°	10.4	10.9	11.3	11.8	12.5	12.3	11.8	12.0	14.2	16.2	17.0
47.5°	13.7	14.2	13.4	13.3	14.7	14.3	13.7	13.5	15.2	14.8	15.6
45°	23.7	22.5	20.5	20.7	20.4	20.1	17.9	18.9	19.4	19.0	16.3
42.5°	48.2	39.6	33.5	35.2	33.0	30.9	27.6	27.0	26.4	25.2	23.8
40°	75.5	73.0	66.2	61.0	56.3	47.7	41.6	37.1	35.4	33.2	33.1
37.5°	107.9	111.4	114.5	112.1	98.1	79.8	63.3	50.9	45.4	47.3	44.9
35°	151.4	157.6	174.0	168.6	159.8	142.9	104.1	74.7	65.4	70.2	61.9
32.5°	215.9	252.6	269.1	255.6	249.0	234.4	184.5	121.6	117.2	109.1	91.2
30°	435.3	414.3	416.9	426.5	422.2	362.2	292.4	303.1	242.8	164.1	131.2
27.5°	676.5	619.3	610.1	730.1	682.1	576.0	560.2	613.4	444.2	294.7	193.4
25°	1000.0	966.4	930.3	1057.3	1085.6	900.3	887.1	935.1	812.5	477.3	272.5
22.5°	1344.1	1313.3	1297.7	1354.3	1393.7	1241.4	1187.6	1249.2	1216.1	701.1	418.3
20°	1701.9	1603.8	1573.2	1570.0	1536.2	1462.3	1427.4	1471.2	1325.2	950.0	569.5
17.5°	2154.9	1926.9	1814.4	1751.5	1693.2	1604.3	1658.4	1638.5	1466.4	1143.8	713.2
15°	2925.4	2392.7	2162.8	1988.0	1908.3	1960.7	1994.0	1880.7	1633.2	1278.3	907.5
12.5°	5489.6	2985.6	2576.0	2310.6	2243.3	2315.5	2359.6	2184.2	1857.3	1571.9	1228.6
10°	8744.9	4309.4	3075.3	2729.0	2586.4	2631.3	2651.1	2451.0	2164.6	1912.8	1574.5
7.5°	14295.6	6293.5	3564.2	3092.4	2858.8	2820.3	2829.5	2643.4	2427.6	2222.5	1932.6
5°	18631.3	7565.6	3913.6	3355.5	3072.2	3010.4	3024.4	2789.9	2655.7	2506.9	2288.5
2.5°	19604.7	7847.7	4187.3	3587.9	3265.0	3201.4	3233.5	2955.9	2849.0	2707.4	2520.3
0°	21621.8	8772.7	4391.6	3735.6	3412.9	3378.5	3444.2	3155.8	3027.3	2885.4	2716.5
-2.5°	18772.3	7553.3	4310.7	3682.5	3384.1	3350.0	3461.4	3282.8	3091.0	2901.6	2649.6
-5°	15926.3	6891.1	4195.1	3597.1	3335.6	3345.2	3490.5	3390.9	3156.5	2921.0	2534.2
-7.5°	12993.4	5990.5	4012.0	3483.6	3290.2	3372.9	3544.7	3480.9	3251.0	3037.6	2575.1
-10°	8597.1	4885.6	3780.8	3398.6	3313.7	3448.9	3633.5	3555.8	3349.4	3150.0	2556.2
-12.5°	6757.5	4146.0	3547.4	3337.4	3454.9	3657.8	3743.1	3592.6	3457.2	3262.2	2470.6
-15°	4726.1	3830.1	3459.7	3445.9	3679.5	3826.1	3793.9	3541.0	3407.5	3282.4	2314.4
-17.5°	3969.8	3550.6	3331.1	3439.8	3707.8	3877.3	3724.8	3456.6	3244.3	2944.0	1920.2
-20°	3482.8	3275.4	3263.4	3377.4	3538.3	3572.9	3523.0	3289.2	3009.5	2403.9	1541.2



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3151.2	3106.1	3163.6	3291.4	3172.3	3181.4	3149.3	2993.6	2707.3	1840.2	1189.6
-25°	2946.3	2982.6	3121.5	3090.0	2890.8	2817.2	2830.8	2665.5	2137.0	1376.8	905.4
-27.5°	2859.9	2977.3	3070.7	2982.9	2780.7	2618.9	2526.9	2301.2	1587.3	1080.6	824.9
-30°	2867.0	2981.4	2996.2	2864.1	2679.9	2510.2	2272.6	1734.8	1217.0	849.8	762.3
-32.5°	2928.8	2929.7	2864.8	2704.7	2554.2	2379.1	1867.8	1271.8	900.3	788.2	725.2
-35°	2914.7	2797.4	2644.5	2541.0	2457.4	2002.7	1451.6	976.6	794.3	737.6	694.8
-37.5°	2805.6	2587.0	2474.9	2353.3	2014.5	1553.7	1041.3	825.6	749.2	706.0	672.4
-40°	2728.8	2501.7	2162.2	1882.8	1468.3	1007.6	854.0	777.1	724.6	680.0	653.3
-42.5°	2375.2	2019.2	1646.5	1248.0	929.2	861.7	797.8	745.3	703.3	668.1	610.4
-45°	1647.0	1284.3	968.6	905.9	843.3	798.4	757.3	724.5	693.8	632.1	560.9
-47.5°	972.7	920.3	865.1	823.4	787.5	756.3	741.3	715.8	651.1	584.4	513.3
-50°	870.8	845.8	813.4	779.7	766.6	753.1	715.5	661.3	599.6	534.6	465.9
-52.5°	846.6	829.9	811.1	789.2	751.3	709.7	661.2	607.0	548.4	484.1	418.5
-55°	871.9	835.5	793.5	749.8	703.0	655.2	605.1	551.0	493.4	431.6	372.3
-57.5°	828.0	786.6	740.0	692.3	643.6	591.9	539.1	486.9	435.8	379.9	325.8
-60°	762.7	717.0	671.1	621.3	567.2	515.1	470.0	423.6	375.8	331.2	285.8
-62.5°	684.7	643.5	591.4	537.3	488.6	445.6	402.7	361.2	323.5	284.8	232.2
-65°	560.9	517.3	475.4	436.8	400.1	365.6	329.8	291.1	250.9	211.5	167.2
-67.5°	417.6	386.3	356.9	327.9	296.4	264.7	230.3	196.5	168.0	140.7	108.6
-70°	273.1	248.5	223.8	199.9	179.8	161.3	140.4	118.1	95.1	79.8	66.5
-72.5°	151.2	136.1	121.5	107.8	93.0	84.0	76.0	67.0	57.6	47.7	39.9
-75°	77.2	70.4	64.2	59.0	53.3	47.0	43.3	40.8	38.3	35.9	33.2
-77.5°	45.4	42.9	40.6	39.0	37.4	35.6	33.8	32.0	30.1	28.2	26.2
-80°	32.9	31.4	29.8	28.7	27.5	26.4	25.2	23.7	22.2	20.8	19.8
-82.5°	22.4	21.3	20.3	19.8	19.4	18.9	18.3	17.6	16.9	16.2	15.6
-85°	15.1	14.6	14.1	13.9	13.7	13.5	13.3	13.1	12.8	12.6	12.3
-87.5°	11.3	10.9	10.5	10.5	10.4	10.3	10.2	10.2	10.1	10.1	10.1
-90°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5





REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.6	8.3	7.9
87.5°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
85°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
82.5°	4.9	5.3	5.7	6.0	6.2	6.4	6.4	6.4	6.6	6.8	7.1
80°	5.7	5.7	5.8	6.1	6.4	6.8	7.0	7.0	7.0	7.0	7.2
77.5°	6.2	6.2	6.0	6.1	6.5	6.8	7.2	7.5	7.4	7.3	7.3
75°	6.5	6.7	6.8	6.7	6.7	6.9	7.2	7.5	7.5	7.5	7.4
72.5°	6.6	6.9	7.3	7.5	7.2	7.2	7.3	7.5	7.5	7.5	7.5
70°	7.5	7.1	7.4	7.5	7.5	7.5	7.4	7.6	7.5	7.5	7.5
67.5°	9.1	8.0	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.5	7.5
65°	17.7	11.6	7.5	7.5	7.5	7.5	7.5	7.8	8.0	7.8	7.5
62.5°	24.8	17.6	12.0	8.6	7.5	7.5	7.5	7.9	8.2	8.2	7.8
60°	30.0	21.9	16.4	12.3	9.0	7.5	7.6	8.0	8.3	8.6	8.2
57.5°	29.0	24.3	20.0	15.7	11.7	8.7	7.7	8.0	8.4	8.7	8.6
55°	25.5	22.0	22.2	18.7	14.3	10.6	8.3	8.1	8.4	8.8	9.0
52.5°	19.9	20.6	22.3	20.9	16.7	12.5	9.9	8.2	8.5	8.8	9.0
50°	16.1	19.0	22.3	22.5	19.0	14.6	11.2	9.2	8.6	8.9	9.0
47.5°	16.4	19.1	21.3	24.1	21.8	16.5	12.7	10.1	8.7	9.0	9.0
45°	19.0	21.1	22.0	23.7	24.2	18.4	14.1	10.9	9.3	9.1	9.0
42.5°	22.6	24.3	24.9	23.7	24.1	20.0	15.2	11.8	9.8	9.1	9.1
40°	30.9	28.5	28.7	28.1	24.5	21.3	16.3	12.6	10.2	9.4	9.2
37.5°	40.6	35.8	33.1	35.9	27.5	22.5	17.0	13.3	10.9	9.8	9.3
35°	53.4	45.8	43.6	46.0	37.3	24.4	17.5	13.7	11.9	10.2	9.5
32.5°	67.8	66.4	66.0	57.6	49.8	27.2	18.8	15.4	13.2	10.6	9.7
30°	102.1	103.0	97.5	71.0	63.6	38.6	22.2	17.4	14.6	11.0	10.0
27.5°	160.0	146.1	136.3	98.7	76.4	52.5	26.8	19.7	16.2	11.7	10.3
25°	222.1	198.2	178.2	136.2	90.5	70.6	31.4	22.3	18.0	12.9	10.6
22.5°	295.2	251.8	224.5	179.0	113.1	90.9	41.0	26.2	20.0	14.2	10.9
20°	368.1	304.9	274.9	219.5	146.3	109.7	56.6	29.9	22.1	15.5	11.2
17.5°	450.0	372.1	329.5	260.3	182.6	130.6	73.1	33.5	24.3	16.8	11.4
15°	611.7	456.5	389.2	305.5	216.0	153.1	89.9	36.9	26.6	18.2	11.8
12.5°	807.4	540.7	453.2	353.6	246.8	176.6	106.9	40.2	28.9	19.6	12.3
10°	1022.6	624.0	519.9	403.3	274.8	200.6	123.4	44.9	31.6	21.0	12.9
7.5°	1247.5	705.5	587.7	453.0	306.0	237.4	163.6	53.3	34.3	22.3	13.4
5°	1466.3	783.4	661.5	527.0	366.0	286.6	208.9	62.1	37.0	23.5	13.9
2.5°	1650.9	855.1	735.1	600.7	424.6	334.0	253.8	70.9	39.5	24.5	14.4
0°	1809.5	922.0	803.9	669.4	481.1	379.5	295.9	79.2	41.8	25.4	14.9
-2.5°	1686.0	926.2	811.8	695.6	523.4	416.3	319.5	100.3	54.3	32.1	17.9
-5°	1541.4	926.5	817.3	717.7	562.6	450.1	337.9	120.2	66.2	38.5	20.8
-7.5°	1533.6	930.2	823.9	735.7	598.4	480.3	351.0	138.3	77.2	44.3	23.5
-10°	1514.5	934.2	832.0	739.4	605.7	491.7	356.8	154.2	87.0	49.5	25.9
-12.5°	1436.9	933.9	838.6	738.2	603.7	486.2	345.6	166.6	95.7	53.8	27.8
-15°	1293.1	929.1	844.2	731.9	596.5	478.3	332.7	176.4	104.8	58.6	29.3
-17.5°	1065.7	919.8	849.1	720.5	583.7	468.1	318.9	183.7	112.3	64.0	31.5
-20°	963.3	888.9	849.7	703.8	565.0	455.6	305.0	188.6	118.2	68.1	34.0



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	896.9	842.6	793.5	681.1	543.8	441.1	291.7	190.8	122.3	70.8	35.6
-25°	825.3	794.0	735.9	633.6	524.3	418.8	285.6	190.2	124.4	71.8	36.1
-27.5°	765.8	741.5	686.2	587.9	495.1	399.6	283.4	191.8	124.9	71.2	35.6
-30°	710.3	690.4	636.8	546.5	464.4	370.3	277.7	191.1	124.1	70.2	33.9
-32.5°	677.9	651.3	589.5	511.0	430.4	339.9	261.0	187.7	120.8	68.2	33.1
-35°	660.7	613.8	546.5	474.3	395.0	314.0	240.2	181.5	115.2	64.6	32.1
-37.5°	641.2	574.7	505.6	436.1	359.3	287.0	221.8	165.5	107.1	59.2	30.3
-40°	597.0	532.5	465.1	397.1	327.2	258.8	201.7	148.2	98.7	52.0	27.7
-42.5°	550.5	486.8	423.1	358.1	295.3	234.7	180.0	129.7	85.8	46.6	24.2
-45°	499.3	439.7	380.0	322.0	263.2	209.0	158.2	110.5	71.5	41.7	21.6
-47.5°	446.9	392.5	338.7	285.1	233.1	182.0	135.0	93.6	56.6	35.7	20.9
-50°	396.6	347.1	298.8	251.0	202.1	155.1	111.8	75.8	47.9	28.1	19.9
-52.5°	355.4	304.5	261.5	217.7	171.4	126.9	91.1	58.1	38.8	24.5	18.7
-55°	314.6	265.5	226.4	182.6	139.1	102.0	69.6	47.4	29.3	22.6	17.4
-57.5°	277.8	230.2	186.9	145.1	109.2	77.5	53.6	36.3	25.4	20.6	16.6
-60°	238.2	186.6	143.7	110.9	80.7	57.2	40.7	27.6	23.1	18.7	15.6
-62.5°	183.2	139.7	106.3	78.1	57.9	42.3	29.2	25.0	20.8	17.6	14.5
-65°	130.5	97.7	70.2	55.3	40.9	30.2	26.3	22.3	19.2	16.3	13.6
-67.5°	79.3	63.9	49.2	36.1	30.5	26.9	23.2	20.4	17.7	15.1	12.9
-70°	53.0	40.0	33.5	30.1	26.8	23.6	21.1	18.8	16.3	14.0	12.1
-72.5°	36.1	32.5	29.2	26.1	23.4	21.1	19.1	17.1	14.9	13.0	11.2
-75°	30.1	27.2	24.6	22.3	20.2	18.4	16.9	15.4	13.6	11.9	10.7
-77.5°	23.9	21.8	19.9	18.4	17.1	15.9	14.8	13.7	12.3	11.2	10.2
-80°	18.6	17.5	16.3	15.1	14.2	13.4	12.9	12.4	11.4	10.5	9.7
-82.5°	14.6	13.8	13.0	12.2	11.8	11.6	11.4	11.2	10.5	9.8	9.2
-85°	11.6	11.0	10.3	9.7	9.7	9.8	10.1	10.3	9.8	9.3	8.8
-87.5°	9.8	9.5	9.2	9.0	9.2	9.4	9.5	9.6	9.2	8.8	8.3
-90°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
65°	7.6	7.6	7.5	7.5	7.5	7.5	7.5
62.5°	7.7	7.7	7.5	7.5	7.5	7.5	7.5
60°	7.8	7.8	7.5	7.5	7.5	7.5	7.5
57.5°	8.1	7.9	7.6	7.5	7.5	7.5	7.5
55°	8.4	8.1	7.8	7.5	7.5	7.5	7.5
52.5°	8.6	8.3	8.0	7.5	7.5	7.5	7.5
50°	8.8	8.4	8.1	7.5	7.5	7.5	7.5
47.5°	9.0	8.6	8.3	7.5	7.5	7.5	7.5
45°	9.0	8.7	8.5	7.7	7.5	7.5	7.5
42.5°	9.0	8.8	8.7	7.8	7.5	7.5	7.5
40°	9.0	8.9	8.8	7.9	7.5	7.5	7.5
37.5°	9.0	9.0	8.9	8.1	7.5	7.5	7.5
35°	9.0	9.0	8.9	8.2	7.5	7.5	7.5
32.5°	9.0	9.0	9.0	8.3	7.5	7.5	7.5
30°	9.2	9.0	9.0	8.4	7.5	7.5	7.5
27.5°	9.4	9.0	9.0	8.5	7.5	7.5	7.5
25°	9.5	9.0	9.0	8.6	7.5	7.5	7.5
22.5°	9.7	9.0	9.0	8.7	7.5	7.5	7.5
20°	9.9	9.1	9.0	8.7	7.5	7.5	7.5
17.5°	10.2	9.3	9.0	8.8	7.5	7.5	7.5
15°	10.5	9.4	9.0	8.8	7.5	7.5	7.5
12.5°	10.8	9.6	9.0	8.9	7.5	7.5	7.5
10°	11.1	9.8	9.0	8.9	7.5	7.5	7.5
7.5°	11.3	10.0	9.0	9.0	7.5	7.5	7.5
5°	11.6	10.1	9.0	9.0	7.5	7.5	7.5
2.5°	11.8	10.3	9.0	9.0	7.5	7.5	7.5
0°	12.0	10.5	9.0	9.0	7.5	7.5	7.5
-2.5°	12.8	10.7	9.1	9.0	7.6	7.5	7.5
-5°	13.5	10.8	9.3	9.0	7.6	7.5	7.5
-7.5°	14.2	10.9	9.4	9.0	7.7	7.5	7.5
-10°	14.8	11.0	9.5	8.9	7.8	7.5	7.5
-12.5°	15.3	11.1	9.6	8.9	7.8	7.5	7.5
-15°	15.6	11.2	9.7	8.9	7.9	7.5	7.5
-17.5°	15.9	11.3	9.7	8.9	7.9	7.5	7.5
-20°	16.4	11.3	9.8	8.9	8.0	7.5	7.5



REPORT NUMBER: P731619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.4	11.4	9.8	8.9	8.0	7.5	7.5
-25°	18.0	11.7	9.8	8.8	8.0	7.5	7.5
-27.5°	18.1	12.0	9.8	8.8	8.0	7.5	7.5
-30°	17.7	12.2	9.7	8.9	8.0	7.5	7.5
-32.5°	16.9	12.4	9.8	8.9	8.1	7.5	7.5
-35°	16.6	12.4	9.8	8.9	8.0	7.5	7.5
-37.5°	16.7	12.4	9.8	8.9	8.0	7.5	7.5
-40°	16.5	12.4	9.8	9.0	8.0	7.5	7.5
-42.5°	16.3	12.3	9.8	9.0	8.0	7.5	7.5
-45°	15.8	12.1	9.8	9.1	7.9	7.5	7.5
-47.5°	15.2	11.9	9.8	9.1	7.9	7.5	7.5
-50°	14.8	11.6	9.8	9.0	7.8	7.5	7.5
-52.5°	14.3	11.3	9.8	8.9	7.8	7.5	7.5
-55°	13.8	11.1	9.8	8.7	7.7	7.5	7.5
-57.5°	13.2	10.9	9.7	8.6	7.6	7.5	7.5
-60°	12.5	10.7	9.5	8.5	7.5	7.5	7.5
-62.5°	12.1	10.4	9.3	8.3	7.5	7.5	7.5
-65°	11.6	10.1	9.1	8.2	7.5	7.5	7.5
-67.5°	11.0	9.8	8.9	8.0	7.5	7.5	7.5
-70°	10.5	9.6	8.7	7.8	7.5	7.5	7.5
-72.5°	10.1	9.3	8.5	7.8	7.5	7.5	7.5
-75°	9.7	9.0	8.2	7.8	7.5	7.5	7.5
-77.5°	9.4	8.7	8.1	7.7	7.5	7.5	7.5
-80°	9.0	8.4	8.0	7.7	7.5	7.5	7.5
-82.5°	8.6	8.2	7.9	7.6	7.5	7.5	7.5
-85°	8.3	8.0	7.8	7.6	7.5	7.5	7.5
-87.5°	7.9	7.7	7.6	7.5	7.5	7.5	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

