

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: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-2S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-80-2S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

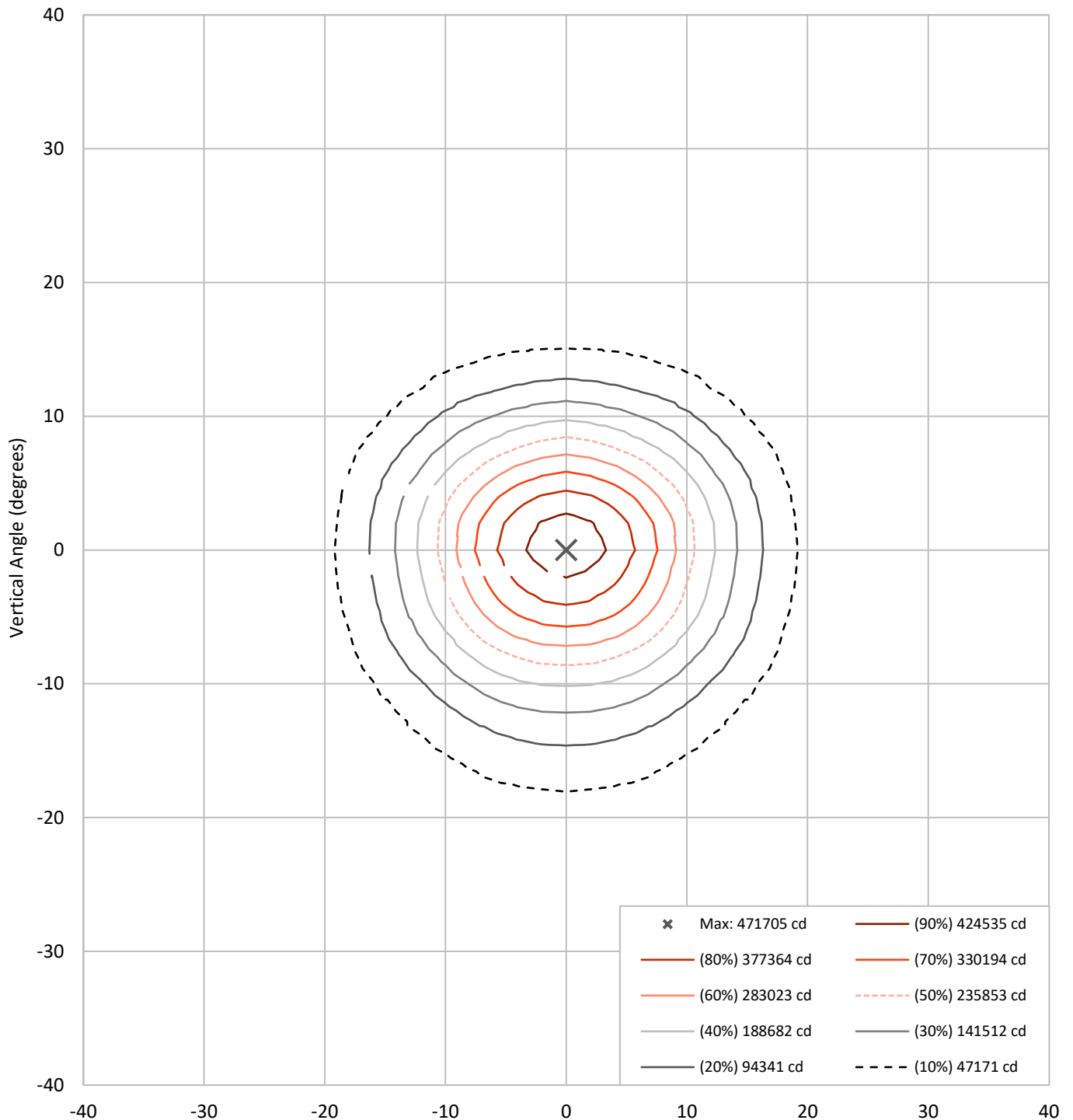
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63623.3 lumens	Max Intensity:	471705 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	27843.1 lumens	Field Lumens:	53892.3 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 703.3  
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: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

### Iso-Candela Plot





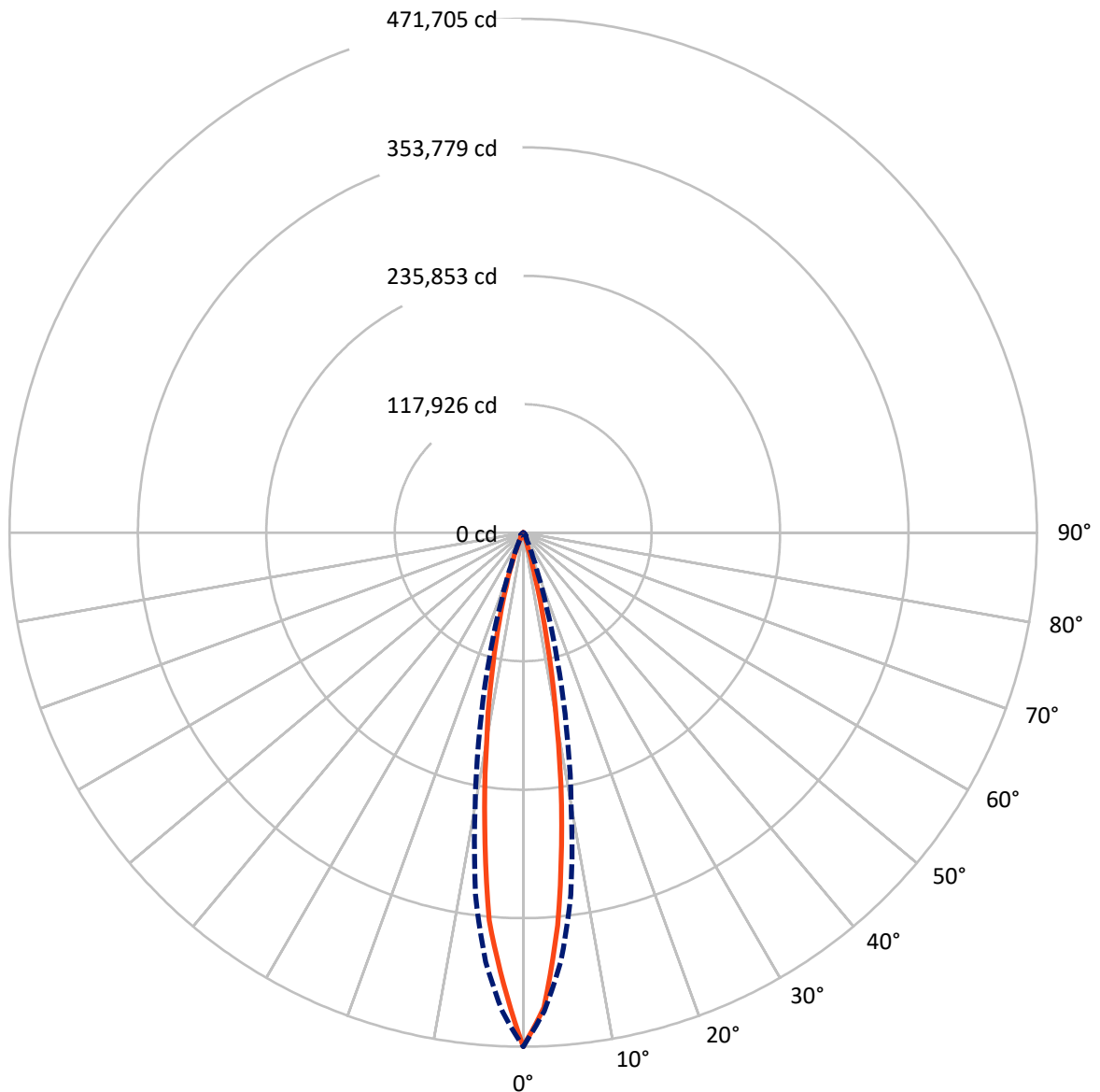
REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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		0.8		0.4		0.2		0.2		0.2	
70		0.2		0.1		0.4		0.6		0.4		0.2		0.2		0.2		0.4	
60		0.2		0.2		0.4		0.4		0.4		0.4		0.4		0.4		0.2	
50		0.2		0.3		0.6		0.9		1.7		2.3		2.7		3.1		3.1	
40		0.2		0.5		1.6		4.1		7.9		10.2		18.1		38.2		38.2	
30		0.3		1.2		5.9		19.6		40.9		74.2		1576.6		1576.6		511.9	
20		0.4		2.2		12.1		47.6		95.3		302.7		2955.2		8784.6		8784.6	
10		0.4		2.9		14.4		55.6		108.8		315.8		3016.4		8831.9		8831.9	
0		0.7		3.1		12.6		41.5		84.0		136.3		833.0		2474.3		2474.3	
-10		0.7		3.0		10.6		24.6		62.5		88.8		134.2		281.7		281.7	
-20		0.6		2.7		8.6		17.1		38.3		73.2		93.3		100.2		100.2	
-30		0.6		1.9		6.3		13.7		23.1		37.5		60.8		79.1		79.1	
-40		0.4		0.9		3.7		8.6		15.7		22.8		28.2		31.3		31.3	
-50		0.4		0.4		1.3		3.6		7.0		10.8		14.5		17.0		17.0	
-60		0.4		0.4		1.3		3.6		7.0		10.8		14.5		17.0		17.0	
-70		0.4		0.4		1.3		3.6		7.0		10.8		14.5		17.0		17.0	
-80		0.2		1.2		3.2		8.0		12.4		8.0		3.2		1.2		0.2	
-90		0.2		1.2		3.2		8.0		12.4		8.0		3.2		1.2		0.2	

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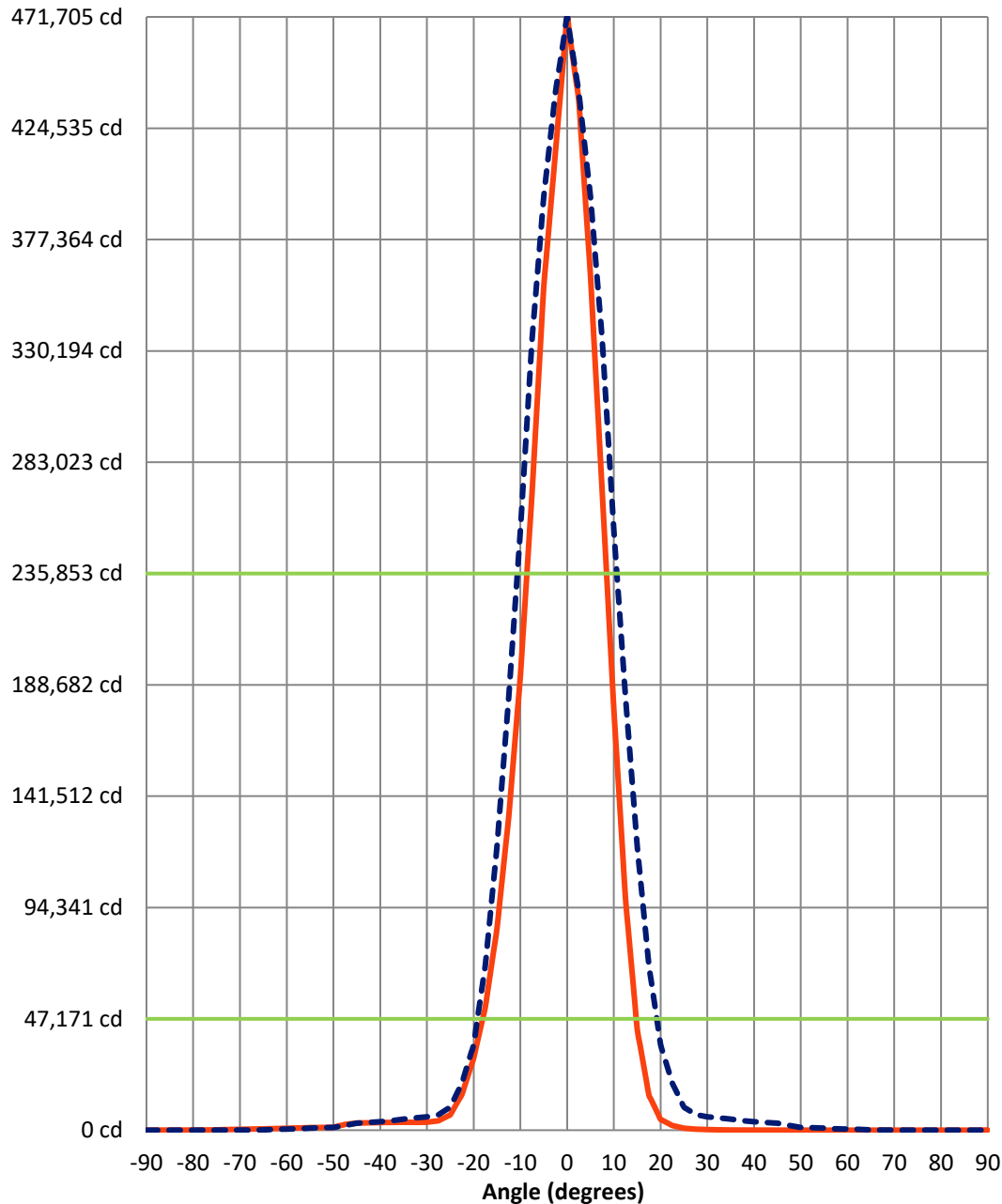
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.3°  
 V Angle: 17°  
 Lumens: 27843.1  
 Efficiency: 43.8%

**Field:**  
 H Angle: 38.4°  
 V Angle: 32.9°  
 Lumens: 53892.3  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 9731  
 Efficiency: 15.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	7.9	7.9	8.4	8.9	9.3	9.8	10.3	10.8	11.3	11.8
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.6	7.2	7.0	6.7
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.6	7.6	7.6
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
75°	7.9	7.9	7.9	7.9	7.9	8.1	7.9	7.9	7.9	7.9	7.9
72.5°	7.9	7.9	7.9	7.9	8.1	8.2	8.0	7.9	7.9	7.9	7.9
70°	7.9	7.9	7.9	7.9	8.3	8.3	8.1	7.9	7.9	7.9	8.0
67.5°	7.9	7.9	7.9	8.1	8.5	8.5	8.1	7.9	7.9	8.2	8.1
65°	7.9	7.9	7.9	8.3	8.7	8.6	8.2	7.9	8.3	8.5	8.3
62.5°	7.9	7.9	7.9	8.5	8.9	8.6	8.2	8.2	8.8	8.8	8.4
60°	7.9	7.9	7.9	8.7	9.1	8.7	8.3	8.7	9.2	8.9	8.5
57.5°	7.9	7.9	8.0	8.9	9.1	8.7	8.7	9.3	9.4	9.0	9.1
55°	7.9	7.9	8.2	9.1	9.2	8.8	9.2	9.9	9.5	9.2	9.9
52.5°	7.9	7.9	8.3	9.3	9.2	8.9	9.7	10.0	9.6	10.0	10.7
50°	7.9	7.9	8.4	9.5	9.3	9.3	10.2	10.2	9.8	10.7	12.3
47.5°	7.9	7.9	8.6	9.7	9.3	9.7	10.6	10.4	10.5	11.4	13.7
45°	7.9	7.9	8.7	9.7	9.4	10.1	10.8	10.7	11.2	12.3	14.8
42.5°	7.9	7.9	8.8	9.8	9.5	10.5	11.1	11.2	11.9	12.9	16.4
40°	7.9	7.9	8.9	9.8	9.6	10.8	11.4	11.8	12.7	13.4	17.8
37.5°	7.9	7.9	9.0	9.9	9.9	11.2	11.8	12.5	13.6	14.8	19.1
35°	7.9	7.9	9.1	9.9	10.2	11.5	12.1	13.1	14.7	16.9	19.8
32.5°	7.9	7.9	9.2	10.0	10.5	11.8	12.5	13.7	15.8	19.0	21.5
30°	7.9	7.9	9.3	10.1	10.7	12.1	13.0	14.3	17.0	21.1	23.5
27.5°	7.9	7.9	9.4	10.2	11.0	12.4	13.5	15.3	18.5	23.3	25.8
25°	7.9	7.9	9.4	10.3	11.2	12.7	14.0	16.3	20.2	25.3	28.6
22.5°	7.9	7.9	9.5	10.5	11.3	13.0	14.4	17.3	22.0	27.4	34.0
20°	7.9	7.9	9.6	10.6	11.5	13.1	14.9	18.3	23.6	29.6	40.0
17.5°	7.9	7.9	9.6	10.7	11.6	13.3	15.2	19.4	25.3	32.0	46.4
15°	7.9	7.9	9.7	10.9	11.7	13.4	15.6	20.3	26.8	34.4	53.1
12.5°	7.9	7.9	9.7	11.1	11.7	13.5	16.0	21.0	28.4	36.9	60.1
10°	7.9	7.9	9.7	11.2	11.8	13.6	16.4	21.7	29.9	41.0	68.3
7.5°	7.9	7.9	9.8	11.4	11.8	13.6	16.7	22.3	31.4	45.5	79.2
5°	7.9	7.9	9.8	11.5	11.8	13.7	17.1	22.8	32.8	50.1	90.0
2.5°	7.9	7.9	9.8	11.7	11.8	13.7	17.4	23.2	34.1	54.7	100.3
0°	7.9	7.9	9.8	11.8	11.8	13.7	17.7	23.6	35.3	58.9	109.9
-2.5°	7.9	7.9	9.9	11.9	12.1	14.1	19.2	28.2	44.5	72.9	127.7
-5°	7.9	8.0	10.0	12.0	12.5	14.5	20.7	32.5	53.2	86.2	144.2
-7.5°	7.9	8.0	10.0	12.1	12.8	14.9	22.0	36.6	61.4	98.6	159.3
-10°	7.9	8.1	10.1	12.2	13.1	15.3	23.2	40.2	68.8	109.9	172.8
-12.5°	7.9	8.1	10.1	12.3	13.4	15.7	24.1	43.2	75.2	119.9	184.5
-15°	7.9	8.1	10.2	12.3	13.7	16.0	24.9	45.5	80.9	128.5	194.0
-17.5°	7.9	8.2	10.2	12.4	13.9	16.3	25.3	47.9	86.0	135.6	201.5
-20°	7.9	8.2	10.3	12.4	14.2	16.6	25.8	50.1	89.8	141.2	206.8



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	8.2	10.3	12.5	14.3	16.8	26.5	51.2	92.3	145.3	209.7
-25°	7.9	8.3	10.3	12.5	14.5	17.2	26.6	51.1	93.2	147.6	210.2
-27.5°	7.9	8.3	10.3	12.5	14.6	17.5	26.2	49.8	92.6	148.3	212.0
-30°	7.9	8.3	10.3	12.5	14.6	17.7	25.2	47.2	91.0	147.3	211.8
-32.5°	7.9	8.3	10.3	12.4	14.7	17.8	23.6	45.6	87.9	144.1	209.2
-35°	7.9	8.3	10.2	12.4	14.7	17.8	23.1	43.6	83.0	138.7	204.3
-37.5°	7.9	8.4	10.2	12.4	14.7	17.7	23.0	40.8	76.1	131.0	189.9
-40°	7.9	8.4	10.2	12.3	14.7	17.7	22.8	37.1	67.3	121.4	173.2
-42.5°	7.9	8.4	10.1	12.2	14.6	17.6	22.3	32.4	60.4	106.2	154.9
-45°	7.9	8.4	10.1	12.2	14.5	17.5	21.6	28.9	54.0	89.3	135.0
-47.5°	7.9	8.4	10.0	12.1	14.4	17.3	20.8	27.8	46.2	71.6	114.9
-50°	7.9	8.4	9.9	11.9	14.2	17.0	20.4	26.5	36.5	60.6	93.7
-52.5°	7.9	8.4	9.8	11.8	14.0	16.7	20.0	24.8	31.8	49.0	72.3
-55°	7.9	8.3	9.7	11.6	13.8	16.4	19.5	23.1	29.2	36.9	58.7
-57.5°	7.9	8.3	9.6	11.4	13.5	16.0	19.0	22.4	26.6	31.9	44.6
-60°	7.9	8.3	9.5	11.2	13.2	15.6	18.4	21.5	24.3	29.1	33.7
-62.5°	7.9	8.3	9.5	11.0	12.9	15.1	17.7	20.5	23.1	26.2	30.7
-65°	7.9	8.3	9.4	10.8	12.5	14.6	17.0	19.5	21.7	24.4	27.6
-67.5°	7.9	8.2	9.2	10.5	12.1	14.0	16.3	18.5	20.4	22.7	25.3
-70°	7.9	8.2	9.1	10.3	11.7	13.4	15.5	17.6	19.4	20.9	23.2
-72.5°	7.9	8.2	9.0	10.0	11.3	12.8	14.6	16.6	18.4	20.0	21.2
-75°	7.9	8.1	8.8	9.8	10.8	12.2	13.7	15.6	17.5	19.1	20.4
-77.5°	7.9	8.1	8.7	9.6	10.5	11.5	12.8	14.5	16.3	18.0	19.6
-80°	7.9	8.1	8.5	9.4	10.2	11.0	11.9	13.4	15.1	16.6	18.2
-82.5°	7.9	8.0	8.4	9.1	9.8	10.6	11.3	12.5	13.8	15.2	16.7
-85°	7.9	8.0	8.2	8.9	9.5	10.2	10.8	11.8	12.8	13.9	15.1
-87.5°	7.9	7.9	8.1	8.6	9.2	9.8	10.3	11.0	11.8	12.6	13.4
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.4	6.9	6.4	5.9





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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.8	11.8	11.8	11.8	12.3	12.8	13.2	13.7	14.2	14.7	15.2
87.5°	6.6	6.4	6.2	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4
85°	7.3	6.9	6.5	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.3
82.5°	7.6	7.4	7.3	7.3	7.2	6.9	6.4	5.9	5.9	5.9	5.9
80°	7.8	7.9	7.9	7.9	7.5	7.0	6.5	6.0	5.9	6.0	6.0
77.5°	7.9	7.9	7.9	7.9	7.5	7.2	7.0	7.0	7.0	6.8	6.5
75°	7.9	7.9	7.9	7.9	7.8	7.8	7.9	7.9	7.7	7.6	7.6
72.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	9.5	11.7	13.1
70°	7.9	7.9	7.9	7.9	7.9	8.6	11.5	15.3	19.1	21.3	23.8
67.5°	7.9	7.9	7.9	8.3	10.3	13.5	17.8	26.1	35.5	38.2	38.1
65°	7.9	7.9	8.9	10.8	13.4	20.0	29.0	40.1	48.5	47.1	43.8
62.5°	7.9	8.8	10.6	14.0	19.5	27.8	36.2	44.2	52.5	50.2	42.7
60°	8.7	9.9	13.5	19.1	25.0	30.7	38.8	44.0	48.4	48.6	37.4
57.5°	9.6	12.1	17.6	23.3	27.9	31.6	35.0	39.0	40.3	39.4	28.7
55°	11.1	15.3	21.0	26.2	29.3	27.6	29.2	30.1	29.6	27.0	18.9
52.5°	13.7	18.2	23.9	28.1	28.1	24.7	21.9	22.0	20.0	16.5	14.0
50°	15.8	21.0	26.5	28.8	26.7	21.2	16.6	16.0	14.7	13.2	11.8
47.5°	18.0	23.6	28.5	29.3	23.9	19.4	15.3	13.9	13.1	12.8	12.2
45°	20.1	25.2	30.3	27.1	22.5	19.2	16.5	13.6	14.0	13.9	13.3
42.5°	21.9	26.2	28.5	25.3	23.0	20.8	18.7	16.8	15.7	16.0	15.9
40°	22.6	26.9	27.2	26.6	24.4	23.6	23.4	21.8	18.6	20.1	20.5
37.5°	22.9	26.5	27.8	30.0	27.6	28.4	29.3	29.7	27.4	26.0	29.8
35°	22.9	27.0	32.6	35.7	34.1	34.9	38.4	39.8	38.9	38.2	45.3
32.5°	23.4	28.4	39.1	42.7	45.1	46.3	49.2	52.0	54.7	59.1	72.6
30°	26.1	34.5	46.8	50.9	58.6	67.1	64.9	66.4	73.6	100.2	123.3
27.5°	31.8	42.8	54.6	63.1	75.8	93.7	96.5	88.7	111.8	152.5	190.4
25°	38.7	69.0	63.1	77.8	101.9	125.9	137.0	142.2	169.6	224.4	267.0
22.5°	53.2	104.0	101.5	93.8	131.9	163.3	190.8	245.6	322.6	339.9	349.0
20°	78.7	138.6	148.5	156.3	177.0	205.3	253.0	384.2	548.1	608.4	545.7
17.5°	109.0	176.5	201.0	237.0	283.9	292.9	332.2	549.5	831.4	929.8	948.9
15°	143.0	217.1	256.8	327.2	398.5	432.4	547.0	816.9	1141.5	1302.3	1413.6
12.5°	179.6	259.7	315.1	424.8	519.1	572.7	817.2	1228.6	1540.2	1728.0	2021.9
10°	217.4	303.6	374.9	527.3	643.9	713.0	1115.7	1653.9	1967.9	2181.4	2559.5
7.5°	256.7	345.8	434.2	632.0	770.8	852.6	1429.9	2082.9	2384.3	2617.0	2997.9
5°	294.3	384.8	487.1	720.1	876.3	973.3	1721.1	2503.9	2788.8	3035.6	3376.7
2.5°	328.9	422.1	538.3	801.1	964.7	1064.5	1886.8	2744.5	3046.6	3340.3	3714.0
0°	359.1	457.3	586.8	875.3	1048.0	1152.0	2021.4	2953.7	3265.7	3585.6	4033.1
-2.5°	363.6	467.9	601.8	868.5	1032.5	1138.5	1986.2	2921.4	3300.8	3674.1	4141.3
-5°	363.3	475.7	612.9	854.8	1012.2	1121.0	1917.1	2847.7	3288.1	3658.2	4096.8
-7.5°	359.1	480.4	619.6	834.7	981.0	1081.8	1784.2	2666.4	3128.1	3454.3	3875.7
-10°	352.0	478.7	610.3	800.5	936.6	1028.7	1614.5	2452.3	2959.9	3245.9	3620.7
-12.5°	342.8	471.9	595.7	763.9	893.2	974.4	1417.6	2209.6	2787.6	3039.0	3345.6
-15°	332.2	463.3	578.5	726.3	852.6	919.7	1195.8	1942.1	2617.7	2878.6	3118.7
-17.5°	321.0	453.2	559.0	689.1	816.0	865.1	956.3	1650.3	2375.6	2704.1	2947.4
-20°	309.8	441.9	537.5	653.3	781.4	829.3	888.3	1369.7	2023.6	2502.6	2760.0



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	299.3	429.5	517.3	624.0	742.6	809.6	855.2	1095.4	1652.1	2277.2	2559.9
-25°	295.2	411.2	500.5	596.9	705.6	791.5	824.5	864.8	1313.5	1912.6	2357.2
-27.5°	294.4	395.8	481.8	567.5	668.8	768.0	802.4	832.2	1060.8	1546.5	2122.7
-30°	290.4	375.0	461.0	538.4	633.5	726.5	785.4	818.2	869.7	1244.9	1724.6
-32.5°	277.7	352.9	436.5	513.4	596.9	686.6	771.3	811.6	853.8	957.0	1358.9
-35°	261.2	332.6	410.3	486.3	559.5	647.8	734.8	806.3	838.0	886.0	1053.6
-37.5°	245.7	310.3	383.4	457.0	527.8	607.6	695.7	775.8	831.3	868.5	928.3
-40°	228.1	285.9	356.4	427.0	495.0	567.6	649.4	732.2	807.2	871.2	917.2
-42.5°	208.3	264.3	327.7	395.9	459.8	528.3	600.8	681.0	766.0	853.7	918.9
-45°	186.1	240.4	297.5	359.5	421.4	485.8	554.3	626.3	712.6	801.9	888.9
-47.5°	161.8	214.0	268.3	320.7	379.5	440.1	504.1	574.5	650.8	735.5	824.9
-50°	136.4	184.9	235.5	283.8	334.8	391.4	450.5	517.9	589.0	663.1	743.3
-52.5°	111.4	153.7	200.6	247.1	292.3	340.5	395.9	456.5	522.0	590.5	657.5
-55°	85.3	123.8	163.9	207.9	251.5	293.3	339.5	394.0	450.1	512.2	571.7
-57.5°	65.4	93.5	129.0	166.6	207.6	248.7	290.2	331.4	380.7	432.4	481.3
-60°	49.0	68.5	94.9	127.7	161.5	200.1	240.8	279.8	317.5	353.1	395.3
-62.5°	34.7	49.9	67.6	89.7	119.5	150.3	185.4	222.7	260.8	291.7	319.9
-65°	31.5	34.9	46.8	62.9	78.8	105.7	133.7	161.4	194.0	223.8	251.7
-67.5°	28.2	31.3	34.4	40.0	54.3	69.8	85.3	109.8	134.0	155.5	176.6
-70°	25.6	27.8	30.5	33.2	36.2	42.8	56.3	69.9	83.5	99.2	118.0
-72.5°	23.2	25.5	27.4	29.0	31.7	34.8	38.1	41.5	49.4	60.2	71.4
-75°	21.6	23.1	25.1	26.8	28.3	30.1	32.3	35.1	37.8	40.1	42.2
-77.5°	20.4	21.4	22.7	24.4	25.6	26.6	27.9	29.5	31.4	33.5	35.7
-80°	19.0	19.6	20.3	21.2	22.1	22.9	23.7	24.4	25.5	26.9	28.5
-82.5°	17.2	17.6	18.1	18.5	18.8	19.2	19.7	20.3	20.9	21.6	22.4
-85°	15.4	15.7	16.0	16.3	16.2	16.1	16.1	16.2	16.5	16.8	17.2
-87.5°	13.6	13.7	13.9	14.0	14.1	14.0	13.9	13.7	13.8	13.9	14.0
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.7	15.7	15.7	15.7	15.7	21.1	26.5	31.9	37.3	46.6	55.9
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	2.0	2.0
85°	5.2	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.4	2.9
82.5°	5.9	5.4	4.9	4.4	3.9	3.6	3.1	2.7	2.2	2.1	2.0
80°	5.9	5.5	5.0	4.5	4.0	3.8	3.7	3.6	3.6	3.7	3.8
77.5°	6.2	5.9	5.4	4.8	4.1	3.9	3.9	3.9	3.9	3.5	3.1
75°	7.7	7.6	7.4	6.9	6.0	5.7	5.3	4.8	4.1	3.8	3.8
72.5°	13.9	13.8	13.1	12.4	10.9	9.9	9.6	9.1	8.6	8.5	8.4
70°	24.7	24.2	22.8	20.1	16.4	13.9	12.8	11.6	10.3	9.7	9.7
67.5°	34.7	30.8	27.2	23.3	18.7	15.2	13.4	11.4	9.4	8.3	8.2
65°	38.5	30.9	25.5	21.2	17.8	14.6	12.1	9.7	7.6	6.6	6.9
62.5°	34.6	25.5	19.9	16.2	13.4	11.4	9.4	7.8	6.5	6.0	6.0
60°	27.4	18.6	13.7	11.4	9.5	8.0	7.0	6.1	5.2	4.6	4.9
57.5°	19.8	13.3	9.7	8.9	7.9	6.5	5.6	5.3	5.2	5.2	5.6
55°	13.5	11.1	9.8	8.8	7.7	6.6	5.9	5.9	5.9	5.9	5.9
52.5°	11.2	10.6	10.0	9.1	8.0	6.9	5.9	5.9	5.9	5.9	5.9
50°	11.3	10.7	10.2	9.5	8.4	7.2	6.1	6.1	6.6	7.0	7.0
47.5°	11.5	11.0	10.6	9.9	9.0	8.5	7.9	8.1	8.8	9.0	8.9
45°	12.0	12.1	11.9	11.8	11.1	11.2	11.3	11.5	13.9	13.8	12.2
42.5°	14.8	15.7	16.5	17.1	14.7	19.1	25.8	28.9	25.3	20.5	17.3
40°	22.2	23.2	27.8	30.1	37.0	43.6	37.6	30.5	27.3	29.6	31.4
37.5°	35.3	41.9	51.0	61.7	57.4	45.6	45.9	45.8	44.6	48.5	48.4
35°	59.1	74.1	83.2	81.2	75.1	71.7	74.9	78.3	70.7	77.4	79.2
32.5°	95.1	113.1	115.5	109.3	109.7	115.6	126.4	124.9	127.2	134.9	143.9
30°	137.3	158.6	166.8	155.6	147.6	161.8	167.9	173.2	190.6	213.3	233.8
27.5°	206.7	222.2	236.4	224.6	201.2	218.7	231.2	227.4	275.4	301.0	358.3
25°	293.7	315.8	323.9	328.2	320.3	317.1	348.1	363.8	430.1	500.3	619.6
22.5°	401.0	461.4	478.4	456.1	481.2	498.8	519.8	590.7	723.1	938.5	1246.1
20°	537.3	660.4	759.5	743.5	684.5	759.9	845.4	1068.8	1455.7	2325.7	3037.6
17.5°	968.6	970.8	1168.8	1248.4	1151.2	1314.9	1734.2	2461.2	4060.4	6994.8	8897.3
15°	1635.2	1679.2	1770.3	1877.0	2052.1	2479.5	3324.3	6370.9	10958.8	17306.5	23820.1
12.5°	2341.7	2441.2	2597.1	2684.4	3041.6	4185.8	7809.1	14480.1	24164.1	36384.4	56655.6
10°	2948.9	3213.8	3414.6	3687.5	4609.2	7296.6	13548.8	25075.6	44596.5	70961.1	102121.0
7.5°	3378.3	3765.8	4105.5	4618.6	6532.7	11949.9	22436.1	41612.1	71097.5	108329.6	151283.4
5°	3810.1	4300.5	4681.3	5357.7	7761.2	15440.3	29394.6	57106.7	99682.9	150367.6	207813.9
2.5°	4248.8	4800.1	5219.7	6056.6	8547.0	17210.0	32925.0	66353.7	118584.8	180299.7	250043.9
0°	4690.5	5212.6	5654.1	6600.1	9767.7	19994.6	36250.4	69882.8	120346.1	183342.3	254135.7
-2.5°	4670.1	5014.9	5419.2	6152.3	8909.7	18406.0	33693.5	66044.0	113927.5	172359.7	236558.7
-5°	4492.5	4734.7	5055.1	5703.0	7971.0	15342.2	29140.5	56455.0	100623.4	154157.4	209493.5
-7.5°	4216.7	4419.8	4659.3	5194.1	6888.8	12211.1	23571.4	45279.8	79822.1	118607.1	161039.6
-10°	3952.1	4108.7	4278.9	4649.5	5738.5	8949.7	16722.2	30681.7	55565.1	84580.2	116871.8
-12.5°	3708.1	3833.1	3923.5	4080.2	4622.6	6482.4	12023.2	22005.8	36300.9	54274.4	78095.8
-15°	3459.6	3565.5	3612.3	3738.0	4092.8	5013.3	7246.8	13526.4	22692.8	34299.7	46378.2
-17.5°	3192.8	3318.6	3389.0	3469.7	3624.4	4005.7	5238.1	7878.4	13420.2	21212.4	28992.0
-20°	2973.4	3121.5	3181.9	3238.0	3380.5	3604.5	3956.3	5143.6	7167.8	12020.8	16858.4



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2761.4	2894.9	2973.4	3093.9	3278.2	3433.3	3548.6	3831.4	4672.1	5996.4	8360.6
-25°	2568.5	2684.1	2839.0	3070.4	3250.9	3361.7	3383.4	3395.4	3635.1	3898.0	4696.2
-27.5°	2374.4	2538.3	2768.9	3029.8	3244.3	3298.3	3301.2	3297.1	3354.3	3394.1	3592.7
-30°	2201.5	2416.1	2633.8	2912.5	3121.1	3208.9	3246.1	3271.8	3301.2	3337.5	3350.7
-32.5°	1848.9	2287.5	2463.8	2686.9	2949.9	3088.9	3158.6	3218.2	3250.7	3282.4	3307.4
-35°	1461.7	1924.5	2345.2	2489.4	2676.1	2911.4	3086.7	3158.0	3218.0	3251.9	3283.5
-37.5°	1099.3	1496.1	1905.2	2288.4	2479.0	2645.4	2869.4	3043.9	3154.1	3197.6	3235.7
-40°	968.7	1071.8	1433.1	1784.8	2120.4	2437.5	2623.7	2834.5	3002.9	3088.3	3154.3
-42.5°	963.7	1001.6	1038.5	1285.4	1597.3	1903.0	2192.0	2462.6	2712.4	2882.2	3008.0
-45°	962.7	989.7	1020.5	1057.4	1094.6	1333.2	1600.4	1868.9	2142.9	2400.1	2630.5
-47.5°	900.1	967.2	1004.1	1033.6	1058.3	1089.9	1125.8	1193.7	1416.8	1641.6	1866.9
-50°	814.2	881.4	942.8	1001.5	1031.4	1051.8	1071.5	1093.8	1122.0	1150.3	1179.3
-52.5°	718.2	781.9	844.4	900.6	948.9	995.3	1039.4	1059.7	1074.6	1088.4	1100.2
-55°	628.5	683.2	736.2	785.9	834.0	879.4	920.7	956.1	988.8	1018.5	1041.8
-57.5°	533.4	585.4	634.7	676.4	716.4	754.4	790.9	824.9	855.6	882.6	905.4
-60°	437.9	480.7	523.9	563.8	601.8	637.6	667.9	695.8	721.4	744.8	766.2
-62.5°	348.0	381.3	417.9	451.4	481.5	510.7	543.0	570.9	594.5	615.2	634.5
-65°	277.5	301.4	327.6	352.9	377.3	405.1	435.6	462.3	485.2	504.5	520.9
-67.5°	200.5	223.7	248.9	271.8	293.0	316.2	344.2	370.6	395.3	415.4	431.4
-70°	135.0	151.5	170.4	190.9	211.4	233.2	257.8	281.6	304.6	323.0	338.2
-72.5°	82.9	93.8	104.6	118.2	132.3	149.1	167.9	187.0	206.0	221.6	234.8
-75°	44.1	47.8	56.0	63.8	71.2	80.4	90.1	99.1	107.4	115.0	122.0
-77.5°	37.7	39.3	40.7	42.0	43.3	47.0	51.7	56.5	61.5	66.6	71.8
-80°	30.1	31.3	32.4	33.6	34.8	37.7	40.8	43.9	47.0	50.4	53.9
-82.5°	23.2	23.8	24.3	24.8	25.3	27.4	29.7	31.9	34.2	37.0	39.7
-85°	17.5	17.7	18.0	18.3	18.5	20.2	21.9	23.6	25.2	28.2	31.2
-87.5°	14.1	14.0	14.0	13.9	13.9	16.1	18.2	20.2	22.1	24.6	26.9
-90°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	1.5	1.0



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	65.3	74.6	79.5	84.4	79.5	74.6	65.3	55.9	46.6	37.3	31.9
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	2.9	3.4	3.8	3.8
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.7
80°	3.8	3.9	3.0	2.0	3.0	3.9	3.8	3.8	3.7	3.6	3.6
77.5°	2.6	2.1	2.9	3.9	2.9	2.1	2.6	3.1	3.5	3.9	3.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.1	4.8
72.5°	8.2	7.8	7.9	7.9	7.9	7.8	8.2	8.4	8.5	8.6	9.1
70°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.7	9.7	10.3	11.6
67.5°	8.1	8.0	7.0	5.9	7.0	8.0	8.1	8.2	8.3	9.4	11.4
65°	7.3	7.8	7.0	5.9	7.0	7.8	7.3	6.9	6.6	7.6	9.7
62.5°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.5	7.8
60°	5.3	5.8	5.9	5.9	5.9	5.8	5.3	4.9	4.6	5.2	6.1
57.5°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.6	5.2	5.2	5.3
55°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
52.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
50°	6.7	6.2	5.9	5.9	5.9	6.2	6.7	7.0	7.0	6.6	6.1
47.5°	8.5	8.1	7.9	7.9	7.9	8.1	8.5	8.9	9.0	8.8	8.1
45°	12.1	11.9	11.7	11.8	11.7	11.9	12.1	12.2	13.8	13.9	11.5
42.5°	17.6	17.6	17.6	17.7	17.6	17.6	17.6	17.3	20.5	25.3	28.9
40°	33.0	33.3	32.6	31.4	32.6	33.3	33.0	31.4	29.6	27.3	30.5
37.5°	48.3	48.6	48.6	49.1	48.6	48.6	48.3	48.4	48.5	44.6	45.8
35°	78.2	76.2	71.9	72.6	71.9	76.2	78.2	79.2	77.4	70.7	78.3
32.5°	149.6	147.5	139.2	145.2	139.2	147.5	149.6	143.9	134.9	127.2	124.9
30°	251.7	261.7	265.9	264.9	265.9	261.7	251.7	233.8	213.3	190.6	173.2
27.5°	387.6	409.7	423.6	431.8	423.6	409.7	387.6	358.3	301.0	275.4	227.4
25°	705.2	759.9	790.8	832.1	790.8	759.9	705.2	619.6	500.3	430.1	363.8
22.5°	1577.0	1774.8	1900.7	1990.0	1900.7	1774.8	1577.0	1246.1	938.5	723.1	590.7
20°	4091.4	4075.2	4403.1	4580.6	4403.1	4075.2	4091.4	3037.6	2325.7	1455.7	1068.8
17.5°	12807.1	14842.4	15358.9	14917.4	15358.9	14842.4	12807.1	8897.3	6994.8	4060.4	2461.2
15°	32919.8	39718.4	42868.9	42825.0	42868.9	39718.4	32919.8	23820.1	17306.5	10958.8	6370.9
12.5°	70987.1	84117.1	92690.4	97876.8	92690.4	84117.1	70987.1	56655.6	36384.4	24164.1	14480.1
10°	128825.3	151317.9	169254.2	178265.1	169254.2	151317.9	128825.3	102121.0	70961.1	44596.5	25075.6
7.5°	190916.4	227309.8	258039.8	270795.9	258039.8	227309.8	190916.4	151283.4	108329.6	71097.5	41612.1
5°	262847.9	320755.6	349516.4	361909.6	349516.4	320755.6	262847.9	207813.9	150367.6	99682.9	57106.7
2.5°	323026.7	380768.5	420967.8	436245.5	420967.8	380768.5	323026.7	250043.9	180299.7	118584.8	66353.7
0°	335072.7	395436.0	439679.0	471705.0	439679.0	395436.0	335072.7	254135.7	183342.3	120346.1	69882.8
-2.5°	309487.7	368468.2	400795.9	414340.4	400795.9	368468.2	309487.7	236558.7	172359.7	113927.5	66044.0
-5°	269048.7	321396.9	351285.0	357287.8	351285.0	321396.9	269048.7	209493.5	154157.4	100623.4	56455.0
-7.5°	205601.7	241838.9	265413.1	270171.8	265413.1	241838.9	205601.7	161039.6	118607.1	79822.1	45279.8
-10°	149522.4	175649.5	190788.7	192427.0	190788.7	175649.5	149522.4	116871.8	84580.2	55565.1	30681.7
-12.5°	99903.7	120375.9	131083.1	132630.7	131083.1	120375.9	99903.7	78095.8	54274.4	36300.9	22005.8
-15°	62604.3	75920.5	83784.4	85489.1	83784.4	75920.5	62604.3	46378.2	34299.7	22692.8	13526.4
-17.5°	38573.7	45309.4	49434.2	52160.9	49434.2	45309.4	38573.7	28992.0	21212.4	13420.2	7878.4
-20°	22554.7	26922.6	29373.7	30488.4	29373.7	26922.6	22554.7	16858.4	12020.8	7167.8	5143.6



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11323.5	13478.4	14946.1	15168.6	14946.1	13478.4	11323.5	8360.6	5996.4	4672.1	3831.4
-25°	5491.7	6091.9	6503.8	6527.5	6503.8	6091.9	5491.7	4696.2	3898.0	3635.1	3395.4
-27.5°	3755.1	3880.0	3960.8	4007.5	3960.8	3880.0	3755.1	3592.7	3394.1	3354.3	3297.1
-30°	3364.6	3383.3	3394.7	3379.5	3394.7	3383.3	3364.6	3350.7	3337.5	3301.2	3271.8
-32.5°	3315.8	3324.6	3330.7	3320.6	3330.7	3324.6	3315.8	3307.4	3282.4	3250.7	3218.2
-35°	3312.0	3336.2	3355.1	3350.1	3355.1	3336.2	3312.0	3283.5	3251.9	3218.0	3158.0
-37.5°	3263.5	3284.7	3299.0	3299.1	3299.0	3284.7	3263.5	3235.7	3197.6	3154.1	3043.9
-40°	3191.2	3220.3	3238.4	3238.2	3238.4	3220.3	3191.2	3154.3	3088.3	3002.9	2834.5
-42.5°	3068.1	3108.8	3128.0	3126.4	3128.0	3108.8	3068.1	3008.0	2882.2	2712.4	2462.6
-45°	2803.6	2935.0	3005.5	3012.5	3005.5	2935.0	2803.6	2630.5	2400.1	2142.9	1868.9
-47.5°	2089.0	2291.4	2415.6	2443.4	2415.6	2291.4	2089.0	1866.9	1641.6	1416.8	1193.7
-50°	1208.0	1235.1	1246.5	1242.3	1246.5	1235.1	1208.0	1179.3	1150.3	1122.0	1093.8
-52.5°	1111.5	1122.4	1130.6	1136.3	1130.6	1122.4	1111.5	1100.2	1088.4	1074.6	1059.7
-55°	1060.7	1075.4	1084.7	1089.2	1084.7	1075.4	1060.7	1041.8	1018.5	988.8	956.1
-57.5°	924.0	938.6	946.8	949.9	946.8	938.6	924.0	905.4	882.6	855.6	824.9
-60°	784.0	798.3	806.6	810.5	806.6	798.3	784.0	766.2	744.8	721.4	695.8
-62.5°	650.9	664.3	672.4	677.1	672.4	664.3	650.9	634.5	615.2	594.5	570.9
-65°	535.5	548.2	555.1	559.3	555.1	548.2	535.5	520.9	504.5	485.2	462.3
-67.5°	445.8	458.5	466.8	473.0	466.8	458.5	445.8	431.4	415.4	395.3	370.6
-70°	352.1	364.6	369.1	370.9	369.1	364.6	352.1	338.2	323.0	304.6	281.6
-72.5°	246.7	257.0	263.9	268.9	263.9	257.0	246.7	234.8	221.6	206.0	187.0
-75°	128.3	133.9	137.9	141.3	137.9	133.9	128.3	122.0	115.0	107.4	99.1
-77.5°	76.8	81.8	84.2	86.4	84.2	81.8	76.8	71.8	66.6	61.5	56.5
-80°	57.2	60.5	61.7	62.8	61.7	60.5	57.2	53.9	50.4	47.0	43.9
-82.5°	42.4	45.0	46.1	47.1	46.1	45.0	42.4	39.7	37.0	34.2	31.9
-85°	34.2	37.2	38.3	39.3	38.3	37.2	34.2	31.2	28.2	25.2	23.6
-87.5°	29.3	31.6	33.4	35.3	33.4	31.6	29.3	26.9	24.6	22.1	20.2
-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: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.5	21.1	15.7	15.7	15.7	15.7	15.7	15.2	14.7	14.2	13.7
87.5°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.2	5.3	5.4	5.6	5.9
82.5°	3.1	3.6	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
80°	3.7	3.8	4.0	4.5	5.0	5.5	5.9	6.0	6.0	5.9	6.0
77.5°	3.9	3.9	4.1	4.8	5.4	5.9	6.2	6.5	6.8	7.0	7.0
75°	5.3	5.7	6.0	6.9	7.4	7.6	7.7	7.6	7.6	7.7	7.9
72.5°	9.6	9.9	10.9	12.4	13.1	13.8	13.9	13.1	11.7	9.5	7.9
70°	12.8	13.9	16.4	20.1	22.8	24.2	24.7	23.8	21.3	19.1	15.3
67.5°	13.4	15.2	18.7	23.3	27.2	30.8	34.7	38.1	38.2	35.5	26.1
65°	12.1	14.6	17.8	21.2	25.5	30.9	38.5	43.8	47.1	48.5	40.1
62.5°	9.4	11.4	13.4	16.2	19.9	25.5	34.6	42.7	50.2	52.5	44.2
60°	7.0	8.0	9.5	11.4	13.7	18.6	27.4	37.4	48.6	48.4	44.0
57.5°	5.6	6.5	7.9	8.9	9.7	13.3	19.8	28.7	39.4	40.3	39.0
55°	5.9	6.6	7.7	8.8	9.8	11.1	13.5	18.9	27.0	29.6	30.1
52.5°	5.9	6.9	8.0	9.1	10.0	10.6	11.2	14.0	16.5	20.0	22.0
50°	6.1	7.2	8.4	9.5	10.2	10.7	11.3	11.8	13.2	14.7	16.0
47.5°	7.9	8.5	9.0	9.9	10.6	11.0	11.5	12.2	12.8	13.1	13.9
45°	11.3	11.2	11.1	11.8	11.9	12.1	12.0	13.3	13.9	14.0	13.6
42.5°	25.8	19.1	14.7	17.1	16.5	15.7	14.8	15.9	16.0	15.7	16.8
40°	37.6	43.6	37.0	30.1	27.8	23.2	22.2	20.5	20.1	18.6	21.8
37.5°	45.9	45.6	57.4	61.7	51.0	41.9	35.3	29.8	26.0	27.4	29.7
35°	74.9	71.7	75.1	81.2	83.2	74.1	59.1	45.3	38.2	38.9	39.8
32.5°	126.4	115.6	109.7	109.3	115.5	113.1	95.1	72.6	59.1	54.7	52.0
30°	167.9	161.8	147.6	155.6	166.8	158.6	137.3	123.3	100.2	73.6	66.4
27.5°	231.2	218.7	201.2	224.6	236.4	222.2	206.7	190.4	152.5	111.8	88.7
25°	348.1	317.1	320.3	328.2	323.9	315.8	293.7	267.0	224.4	169.6	142.2
22.5°	519.8	498.8	481.2	456.1	478.4	461.4	401.0	349.0	339.9	322.6	245.6
20°	845.4	759.9	684.5	743.5	759.5	660.4	537.3	545.7	608.4	548.1	384.2
17.5°	1734.2	1314.9	1151.2	1248.4	1168.8	970.8	968.6	948.9	929.8	831.4	549.5
15°	3324.3	2479.5	2052.1	1877.0	1770.3	1679.2	1635.2	1413.6	1302.3	1141.5	816.9
12.5°	7809.1	4185.8	3041.6	2684.4	2597.1	2441.2	2341.7	2021.9	1728.0	1540.2	1228.6
10°	13548.8	7296.6	4609.2	3687.5	3414.6	3213.8	2948.9	2559.5	2181.4	1967.9	1653.9
7.5°	22436.1	11949.9	6532.7	4618.6	4105.5	3765.8	3378.3	2997.9	2617.0	2384.3	2082.9
5°	29394.6	15440.3	7761.2	5357.7	4681.3	4300.5	3810.1	3376.7	3035.6	2788.8	2503.9
2.5°	32925.0	17210.0	8547.0	6056.6	5219.7	4800.1	4248.8	3714.0	3340.3	3046.6	2744.5
0°	36250.4	19994.6	9767.7	6600.1	5654.1	5212.6	4690.5	4033.1	3585.6	3265.7	2953.7
-2.5°	33693.5	18406.0	8909.7	6152.3	5419.2	5014.9	4670.1	4141.3	3674.1	3300.8	2921.4
-5°	29140.5	15342.2	7971.0	5703.0	5055.1	4734.7	4492.5	4096.8	3658.2	3288.1	2847.7
-7.5°	23571.4	12211.1	6888.8	5194.1	4659.3	4419.8	4216.7	3875.7	3454.3	3128.1	2666.4
-10°	16722.2	8949.7	5738.5	4649.5	4278.9	4108.7	3952.1	3620.7	3245.9	2959.9	2452.3
-12.5°	12023.2	6482.4	4622.6	4080.2	3923.5	3833.1	3708.1	3345.6	3039.0	2787.6	2209.6
-15°	7246.8	5013.3	4092.8	3738.0	3612.3	3565.5	3459.6	3118.7	2878.6	2617.7	1942.1
-17.5°	5238.1	4005.7	3624.4	3469.7	3389.0	3318.6	3192.8	2947.4	2704.1	2375.6	1650.3
-20°	3956.3	3604.5	3380.5	3238.0	3181.9	3121.5	2973.4	2760.0	2502.6	2023.6	1369.7



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3548.6	3433.3	3278.2	3093.9	2973.4	2894.9	2761.4	2559.9	2277.2	1652.1	1095.4
-25°	3383.4	3361.7	3250.9	3070.4	2839.0	2684.1	2568.5	2357.2	1912.6	1313.5	864.8
-27.5°	3301.2	3298.3	3244.3	3029.8	2768.9	2538.3	2374.4	2122.7	1546.5	1060.8	832.2
-30°	3246.1	3208.9	3121.1	2912.5	2633.8	2416.1	2201.5	1724.6	1244.9	869.7	818.2
-32.5°	3158.6	3088.9	2949.9	2686.9	2463.8	2287.5	1848.9	1358.9	957.0	853.8	811.6
-35°	3086.7	2911.4	2676.1	2489.4	2345.2	1924.5	1461.7	1053.6	886.0	838.0	806.3
-37.5°	2869.4	2645.4	2479.0	2288.4	1905.2	1496.1	1099.3	928.3	868.5	831.3	775.8
-40°	2623.7	2437.5	2120.4	1784.8	1433.1	1071.8	968.7	917.2	871.2	807.2	732.2
-42.5°	2192.0	1903.0	1597.3	1285.4	1038.5	1001.6	963.7	918.9	853.7	766.0	681.0
-45°	1600.4	1333.2	1094.6	1057.4	1020.5	989.7	962.7	888.9	801.9	712.6	626.3
-47.5°	1125.8	1089.9	1058.3	1033.6	1004.1	967.2	900.1	824.9	735.5	650.8	574.5
-50°	1071.5	1051.8	1031.4	1001.5	942.8	881.4	814.2	743.3	663.1	589.0	517.9
-52.5°	1039.4	995.3	948.9	900.6	844.4	781.9	718.2	657.5	590.5	522.0	456.5
-55°	920.7	879.4	834.0	785.9	736.2	683.2	628.5	571.7	512.2	450.1	394.0
-57.5°	790.9	754.4	716.4	676.4	634.7	585.4	533.4	481.3	432.4	380.7	331.4
-60°	667.9	637.6	601.8	563.8	523.9	480.7	437.9	395.3	353.1	317.5	279.8
-62.5°	543.0	510.7	481.5	451.4	417.9	381.3	348.0	319.9	291.7	260.8	222.7
-65°	435.6	405.1	377.3	352.9	327.6	301.4	277.5	251.7	223.8	194.0	161.4
-67.5°	344.2	316.2	293.0	271.8	248.9	223.7	200.5	176.6	155.5	134.0	109.8
-70°	257.8	233.2	211.4	190.9	170.4	151.5	135.0	118.0	99.2	83.5	69.9
-72.5°	167.9	149.1	132.3	118.2	104.6	93.8	82.9	71.4	60.2	49.4	41.5
-75°	90.1	80.4	71.2	63.8	56.0	47.8	44.1	42.2	40.1	37.8	35.1
-77.5°	51.7	47.0	43.3	42.0	40.7	39.3	37.7	35.7	33.5	31.4	29.5
-80°	40.8	37.7	34.8	33.6	32.4	31.3	30.1	28.5	26.9	25.5	24.4
-82.5°	29.7	27.4	25.3	24.8	24.3	23.8	23.2	22.4	21.6	20.9	20.3
-85°	21.9	20.2	18.5	18.3	18.0	17.7	17.5	17.2	16.8	16.5	16.2
-87.5°	18.2	16.1	13.9	13.9	14.0	14.0	14.1	14.0	13.9	13.8	13.7
-90°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9





REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.2	12.8	12.3	11.8	11.8	11.8	11.8	11.8	11.3	10.8	10.3
87.5°	5.9	5.9	5.9	5.9	6.2	6.4	6.6	6.7	7.0	7.2	7.6
85°	6.1	6.2	6.2	6.2	6.5	6.9	7.3	7.6	7.6	7.6	7.7
82.5°	6.4	6.9	7.2	7.3	7.3	7.4	7.6	7.9	7.9	7.9	7.9
80°	6.5	7.0	7.5	7.9	7.9	7.9	7.8	7.9	7.9	7.9	7.9
77.5°	7.0	7.2	7.5	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
75°	7.9	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
72.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
70°	11.5	8.6	7.9	7.9	7.9	7.9	7.9	8.0	7.9	7.9	7.9
67.5°	17.8	13.5	10.3	8.3	7.9	7.9	7.9	8.1	8.2	7.9	7.9
65°	29.0	20.0	13.4	10.8	8.9	7.9	7.9	8.3	8.5	8.3	7.9
62.5°	36.2	27.8	19.5	14.0	10.6	8.8	7.9	8.4	8.8	8.8	8.2
60°	38.8	30.7	25.0	19.1	13.5	9.9	8.7	8.5	8.9	9.2	8.7
57.5°	35.0	31.6	27.9	23.3	17.6	12.1	9.6	9.1	9.0	9.4	9.3
55°	29.2	27.6	29.3	26.2	21.0	15.3	11.1	9.9	9.2	9.5	9.9
52.5°	21.9	24.7	28.1	28.1	23.9	18.2	13.7	10.7	10.0	9.6	10.0
50°	16.6	21.2	26.7	28.8	26.5	21.0	15.8	12.3	10.7	9.8	10.2
47.5°	15.3	19.4	23.9	29.3	28.5	23.6	18.0	13.7	11.4	10.5	10.4
45°	16.5	19.2	22.5	27.1	30.3	25.2	20.1	14.8	12.3	11.2	10.7
42.5°	18.7	20.8	23.0	25.3	28.5	26.2	21.9	16.4	12.9	11.9	11.2
40°	23.4	23.6	24.4	26.6	27.2	26.9	22.6	17.8	13.4	12.7	11.8
37.5°	29.3	28.4	27.6	30.0	27.8	26.5	22.9	19.1	14.8	13.6	12.5
35°	38.4	34.9	34.1	35.7	32.6	27.0	22.9	19.8	16.9	14.7	13.1
32.5°	49.2	46.3	45.1	42.7	39.1	28.4	23.4	21.5	19.0	15.8	13.7
30°	64.9	67.1	58.6	50.9	46.8	34.5	26.1	23.5	21.1	17.0	14.3
27.5°	96.5	93.7	75.8	63.1	54.6	42.8	31.8	25.8	23.3	18.5	15.3
25°	137.0	125.9	101.9	77.8	63.1	69.0	38.7	28.6	25.3	20.2	16.3
22.5°	190.8	163.3	131.9	93.8	101.5	104.0	53.2	34.0	27.4	22.0	17.3
20°	253.0	205.3	177.0	156.3	148.5	138.6	78.7	40.0	29.6	23.6	18.3
17.5°	332.2	292.9	283.9	237.0	201.0	176.5	109.0	46.4	32.0	25.3	19.4
15°	547.0	432.4	398.5	327.2	256.8	217.1	143.0	53.1	34.4	26.8	20.3
12.5°	817.2	572.7	519.1	424.8	315.1	259.7	179.6	60.1	36.9	28.4	21.0
10°	1115.7	713.0	643.9	527.3	374.9	303.6	217.4	68.3	41.0	29.9	21.7
7.5°	1429.9	852.6	770.8	632.0	434.2	345.8	256.7	79.2	45.5	31.4	22.3
5°	1721.1	973.3	876.3	720.1	487.1	384.8	294.3	90.0	50.1	32.8	22.8
2.5°	1886.8	1064.5	964.7	801.1	538.3	422.1	328.9	100.3	54.7	34.1	23.2
0°	2021.4	1152.0	1048.0	875.3	586.8	457.3	359.1	109.9	58.9	35.3	23.6
-2.5°	1986.2	1138.5	1032.5	868.5	601.8	467.9	363.6	127.7	72.9	44.5	28.2
-5°	1917.1	1121.0	1012.2	854.8	612.9	475.7	363.3	144.2	86.2	53.2	32.5
-7.5°	1784.2	1081.8	981.0	834.7	619.6	480.4	359.1	159.3	98.6	61.4	36.6
-10°	1614.5	1028.7	936.6	800.5	610.3	478.7	352.0	172.8	109.9	68.8	40.2
-12.5°	1417.6	974.4	893.2	763.9	595.7	471.9	342.8	184.5	119.9	75.2	43.2
-15°	1195.8	919.7	852.6	726.3	578.5	463.3	332.2	194.0	128.5	80.9	45.5
-17.5°	956.3	865.1	816.0	689.1	559.0	453.2	321.0	201.5	135.6	86.0	47.9
-20°	888.3	829.3	781.4	653.3	537.5	441.9	309.8	206.8	141.2	89.8	50.1



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	855.2	809.6	742.6	624.0	517.3	429.5	299.3	209.7	145.3	92.3	51.2
-25°	824.5	791.5	705.6	596.9	500.5	411.2	295.2	210.2	147.6	93.2	51.1
-27.5°	802.4	768.0	668.8	567.5	481.8	395.8	294.4	212.0	148.3	92.6	49.8
-30°	785.4	726.5	633.5	538.4	461.0	375.0	290.4	211.8	147.3	91.0	47.2
-32.5°	771.3	686.6	596.9	513.4	436.5	352.9	277.7	209.2	144.1	87.9	45.6
-35°	734.8	647.8	559.5	486.3	410.3	332.6	261.2	204.3	138.7	83.0	43.6
-37.5°	695.7	607.6	527.8	457.0	383.4	310.3	245.7	189.9	131.0	76.1	40.8
-40°	649.4	567.6	495.0	427.0	356.4	285.9	228.1	173.2	121.4	67.3	37.1
-42.5°	600.8	528.3	459.8	395.9	327.7	264.3	208.3	154.9	106.2	60.4	32.4
-45°	554.3	485.8	421.4	359.5	297.5	240.4	186.1	135.0	89.3	54.0	28.9
-47.5°	504.1	440.1	379.5	320.7	268.3	214.0	161.8	114.9	71.6	46.2	27.8
-50°	450.5	391.4	334.8	283.8	235.5	184.9	136.4	93.7	60.6	36.5	26.5
-52.5°	395.9	340.5	292.3	247.1	200.6	153.7	111.4	72.3	49.0	31.8	24.8
-55°	339.5	293.3	251.5	207.9	163.9	123.8	85.3	58.7	36.9	29.2	23.1
-57.5°	290.2	248.7	207.6	166.6	129.0	93.5	65.4	44.6	31.9	26.6	22.4
-60°	240.8	200.1	161.5	127.7	94.9	68.5	49.0	33.7	29.1	24.3	21.5
-62.5°	185.4	150.3	119.5	89.7	67.6	49.9	34.7	30.7	26.2	23.1	20.5
-65°	133.7	105.7	78.8	62.9	46.8	34.9	31.5	27.6	24.4	21.7	19.5
-67.5°	85.3	69.8	54.3	40.0	34.4	31.3	28.2	25.3	22.7	20.4	18.5
-70°	56.3	42.8	36.2	33.2	30.5	27.8	25.6	23.2	20.9	19.4	17.6
-72.5°	38.1	34.8	31.7	29.0	27.4	25.5	23.2	21.2	20.0	18.4	16.6
-75°	32.3	30.1	28.3	26.8	25.1	23.1	21.6	20.4	19.1	17.5	15.6
-77.5°	27.9	26.6	25.6	24.4	22.7	21.4	20.4	19.6	18.0	16.3	14.5
-80°	23.7	22.9	22.1	21.2	20.3	19.6	19.0	18.2	16.6	15.1	13.4
-82.5°	19.7	19.2	18.8	18.5	18.1	17.6	17.2	16.7	15.2	13.8	12.5
-85°	16.1	16.1	16.2	16.3	16.0	15.7	15.4	15.1	13.9	12.8	11.8
-87.5°	13.9	14.0	14.1	14.0	13.9	13.7	13.6	13.4	12.6	11.8	11.0
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.4



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.8	9.3	8.9	8.4	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
75°	7.9	8.1	7.9	7.9	7.9	7.9	7.9
72.5°	8.0	8.2	8.1	7.9	7.9	7.9	7.9
70°	8.1	8.3	8.3	7.9	7.9	7.9	7.9
67.5°	8.1	8.5	8.5	8.1	7.9	7.9	7.9
65°	8.2	8.6	8.7	8.3	7.9	7.9	7.9
62.5°	8.2	8.6	8.9	8.5	7.9	7.9	7.9
60°	8.3	8.7	9.1	8.7	7.9	7.9	7.9
57.5°	8.7	8.7	9.1	8.9	8.0	7.9	7.9
55°	9.2	8.8	9.2	9.1	8.2	7.9	7.9
52.5°	9.7	8.9	9.2	9.3	8.3	7.9	7.9
50°	10.2	9.3	9.3	9.5	8.4	7.9	7.9
47.5°	10.6	9.7	9.3	9.7	8.6	7.9	7.9
45°	10.8	10.1	9.4	9.7	8.7	7.9	7.9
42.5°	11.1	10.5	9.5	9.8	8.8	7.9	7.9
40°	11.4	10.8	9.6	9.8	8.9	7.9	7.9
37.5°	11.8	11.2	9.9	9.9	9.0	7.9	7.9
35°	12.1	11.5	10.2	9.9	9.1	7.9	7.9
32.5°	12.5	11.8	10.5	10.0	9.2	7.9	7.9
30°	13.0	12.1	10.7	10.1	9.3	7.9	7.9
27.5°	13.5	12.4	11.0	10.2	9.4	7.9	7.9
25°	14.0	12.7	11.2	10.3	9.4	7.9	7.9
22.5°	14.4	13.0	11.3	10.5	9.5	7.9	7.9
20°	14.9	13.1	11.5	10.6	9.6	7.9	7.9
17.5°	15.2	13.3	11.6	10.7	9.6	7.9	7.9
15°	15.6	13.4	11.7	10.9	9.7	7.9	7.9
12.5°	16.0	13.5	11.7	11.1	9.7	7.9	7.9
10°	16.4	13.6	11.8	11.2	9.7	7.9	7.9
7.5°	16.7	13.6	11.8	11.4	9.8	7.9	7.9
5°	17.1	13.7	11.8	11.5	9.8	7.9	7.9
2.5°	17.4	13.7	11.8	11.7	9.8	7.9	7.9
0°	17.7	13.7	11.8	11.8	9.8	7.9	7.9
-2.5°	19.2	14.1	12.1	11.9	9.9	7.9	7.9
-5°	20.7	14.5	12.5	12.0	10.0	8.0	7.9
-7.5°	22.0	14.9	12.8	12.1	10.0	8.0	7.9
-10°	23.2	15.3	13.1	12.2	10.1	8.1	7.9
-12.5°	24.1	15.7	13.4	12.3	10.1	8.1	7.9
-15°	24.9	16.0	13.7	12.3	10.2	8.1	7.9
-17.5°	25.3	16.3	13.9	12.4	10.2	8.2	7.9
-20°	25.8	16.6	14.2	12.4	10.3	8.2	7.9



REPORT NUMBER: P731720 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.5	16.8	14.3	12.5	10.3	8.2	7.9
-25°	26.6	17.2	14.5	12.5	10.3	8.3	7.9
-27.5°	26.2	17.5	14.6	12.5	10.3	8.3	7.9
-30°	25.2	17.7	14.6	12.5	10.3	8.3	7.9
-32.5°	23.6	17.8	14.7	12.4	10.3	8.3	7.9
-35°	23.1	17.8	14.7	12.4	10.2	8.3	7.9
-37.5°	23.0	17.7	14.7	12.4	10.2	8.4	7.9
-40°	22.8	17.7	14.7	12.3	10.2	8.4	7.9
-42.5°	22.3	17.6	14.6	12.2	10.1	8.4	7.9
-45°	21.6	17.5	14.5	12.2	10.1	8.4	7.9
-47.5°	20.8	17.3	14.4	12.1	10.0	8.4	7.9
-50°	20.4	17.0	14.2	11.9	9.9	8.4	7.9
-52.5°	20.0	16.7	14.0	11.8	9.8	8.4	7.9
-55°	19.5	16.4	13.8	11.6	9.7	8.3	7.9
-57.5°	19.0	16.0	13.5	11.4	9.6	8.3	7.9
-60°	18.4	15.6	13.2	11.2	9.5	8.3	7.9
-62.5°	17.7	15.1	12.9	11.0	9.5	8.3	7.9
-65°	17.0	14.6	12.5	10.8	9.4	8.3	7.9
-67.5°	16.3	14.0	12.1	10.5	9.2	8.2	7.9
-70°	15.5	13.4	11.7	10.3	9.1	8.2	7.9
-72.5°	14.6	12.8	11.3	10.0	9.0	8.2	7.9
-75°	13.7	12.2	10.8	9.8	8.8	8.1	7.9
-77.5°	12.8	11.5	10.5	9.6	8.7	8.1	7.9
-80°	11.9	11.0	10.2	9.4	8.5	8.1	7.9
-82.5°	11.3	10.6	9.8	9.1	8.4	8.0	7.9
-85°	10.8	10.2	9.5	8.9	8.2	8.0	7.9
-87.5°	10.3	9.8	9.2	8.6	8.1	7.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

