

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: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-4S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-70-4S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

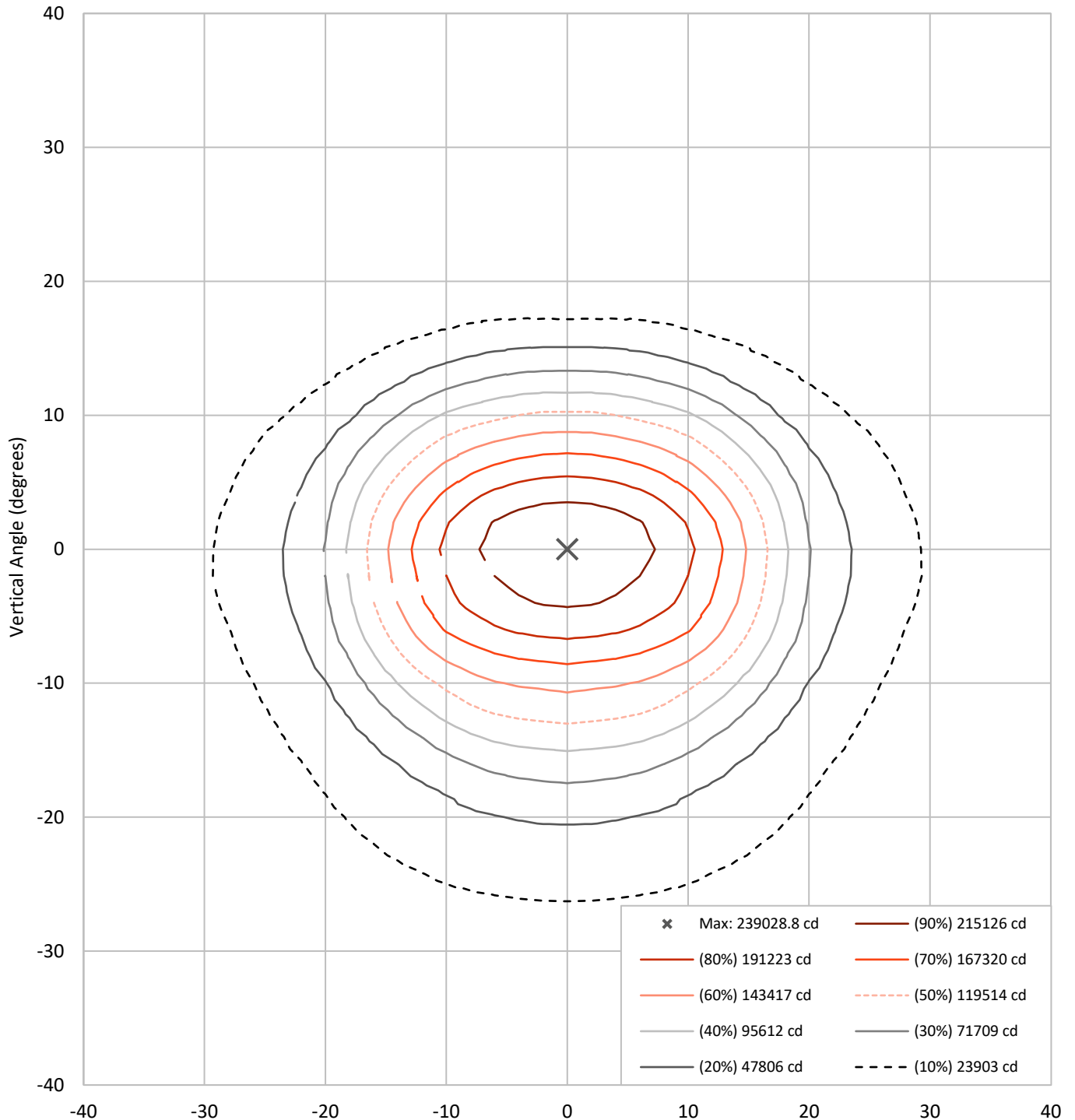
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	63099.4 lumens	Max Intensity:	239028.8 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%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	31926.2 lumens	Field Lumens:	54417.8 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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

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CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

### Iso-Candela Plot





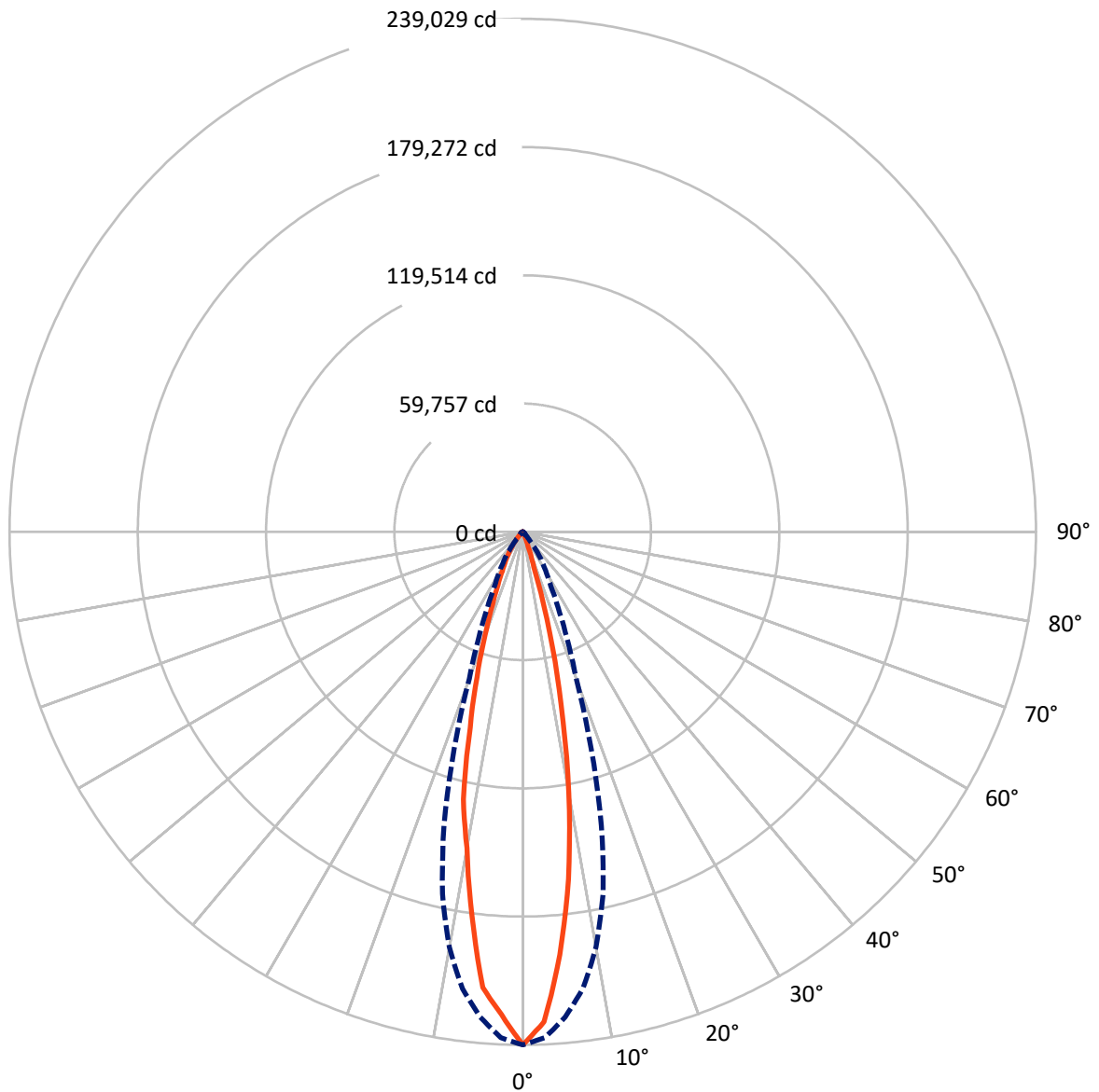
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### Lumen Table

90	0.2		0.6		0.9		0.8		0.6		0.8		0.9		0.6		0.2	
80	0.2		0.1		0.2		0.5		0.8		0.5		0.3		0.3		0.3	
70	0.2		0.1		0.4		0.9		0.9		0.3		0.2		0.2		0.2	
60	0.2		0.1		0.4		0.9		0.9		0.3		0.2		0.2		0.2	
50	0.2		0.2		0.6		0.9		1.3		2.7		4.9		7.2		7.2	
40	0.2		0.2		0.6		0.9		1.3		2.7		4.9		7.2		7.2	
30	0.3		0.4		1.7		3.5		9.5		26.3		54.5		90.5		90.5	
20	0.3		1.1		5.4		14.3		85.2		266.1		810.7		1515.3		1515.3	
10	0.4		2.0		10.9		35.9		264.3		931.2		3223.9		5486.2		5486.2	
0	0.4		2.7		13.5		43.2		294.5		1027.5		3551.0		5829.2		5829.2	
-10	0.5		2.9		11.9		30.3		174.5		566.3		1571.4		2761.7		2761.7	
-20	0.5		2.8		10.1		20.2		73.0		283.1		583.4		849.5		849.5	
-30	0.5		2.3		8.4		15.8		29.6		88.1		200.1		284.0		284.0	
-40	0.5		1.5		6.1		13.0		21.1		31.5		45.6		59.8		59.8	
-50	0.3		0.8		3.1		8.3		14.9		20.8		25.5		28.6		28.6	
-60	0.3		0.3		1.2		3.1		6.2		10.0		13.5		15.5		15.5	
-70	0.2		0.9		3.0		7.7		11.1		7.7		3.0		0.9		0.2	
-80	0.2		0.9		3.0		7.7		11.1		7.7		3.0		0.9		0.2	
-90	0.2		0.9		3.0		7.7		11.1		7.7		3.0		0.9		0.2	

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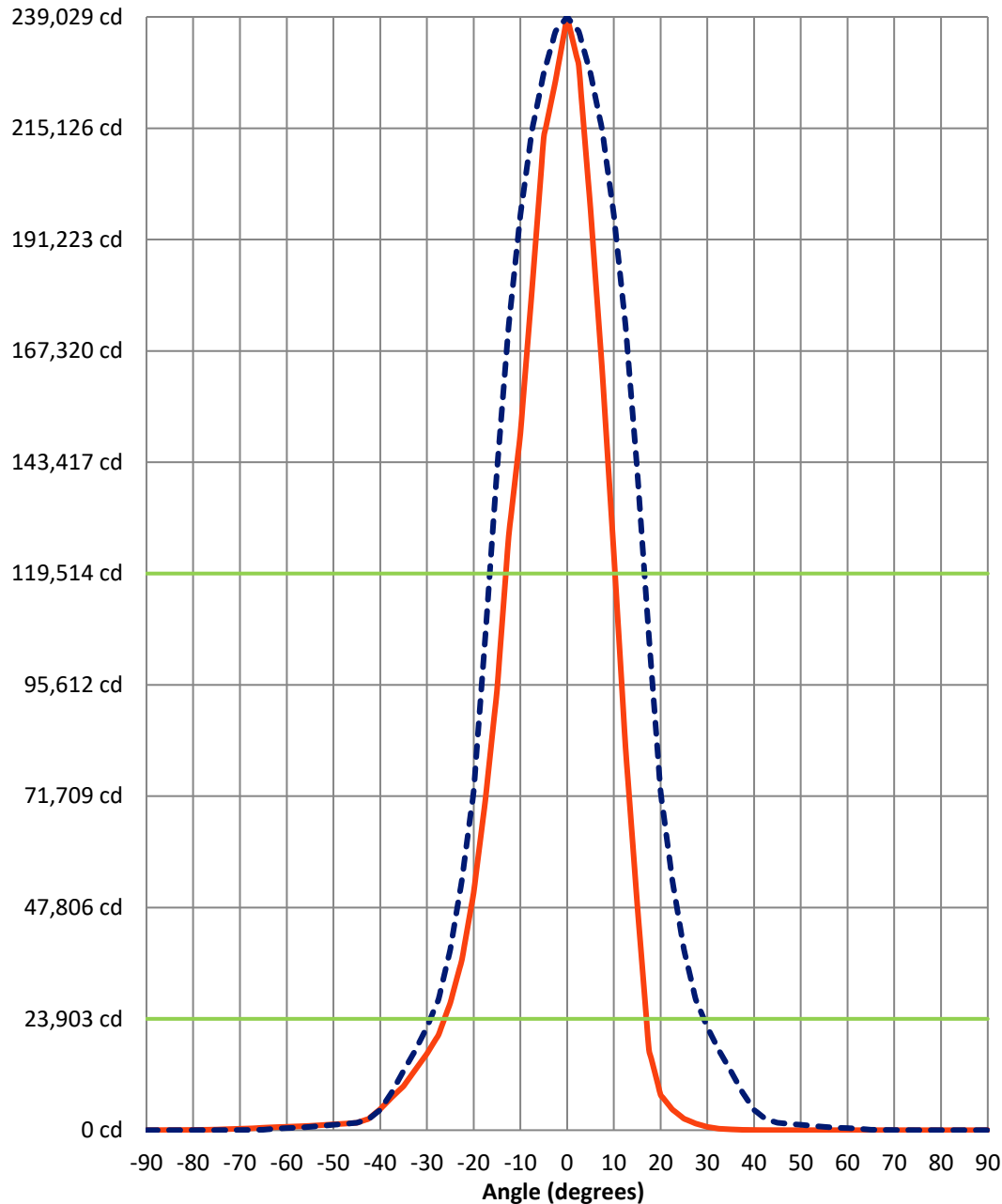
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 23.4°  
 Lumens: 31926.2  
 Efficiency: 50.6%

**Field:**  
 H Angle: 58.5°  
 V Angle: 43.2°  
 Lumens: 54417.8  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 8681.7  
 Efficiency: 13.8%

— 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°	8.7	9.8	10.9	10.4	9.8	9.3	8.7	9.3	9.8	10.3	10.9
87.5°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.2	9.1	8.9	8.7
85°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.7	9.5	9.1	8.7
82.5°	8.7	9.0	9.3	9.6	9.8	10.1	10.4	10.2	9.9	9.5	9.3
80°	8.7	9.1	9.5	9.8	10.2	10.6	10.9	10.5	10.2	10.1	10.2
77.5°	8.7	9.2	9.7	10.1	10.6	10.9	10.9	10.7	10.6	10.7	10.9
75°	8.7	9.3	9.8	10.4	10.9	10.9	10.9	10.8	10.9	10.9	10.9
72.5°	8.7	9.4	10.0	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9
70°	8.7	9.5	10.2	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
67.5°	8.7	9.5	10.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
65°	8.7	9.6	10.6	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
62.5°	8.7	9.7	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
60°	8.7	9.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
57.5°	8.7	9.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
55°	8.7	10.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
52.5°	8.7	10.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
50°	8.7	10.1	10.9	10.9	10.9	10.9	10.9	11.0	10.9	10.9	11.9
47.5°	8.7	10.2	10.9	10.9	10.9	10.9	10.9	11.2	10.9	10.9	12.9
45°	8.7	10.3	10.9	10.9	10.9	10.9	11.1	11.4	11.0	11.6	13.7
42.5°	8.7	10.3	10.9	10.9	10.9	10.9	11.3	11.6	11.2	12.2	14.2
40°	8.7	10.4	10.9	10.9	10.9	10.9	11.6	11.7	11.5	12.7	14.7
37.5°	8.7	10.4	10.9	10.9	10.9	10.9	11.8	11.8	12.1	13.5	15.1
35°	8.7	10.5	10.9	10.9	10.9	11.0	12.1	11.9	12.7	14.5	15.5
32.5°	8.7	10.6	10.9	10.9	10.9	11.3	12.4	12.1	13.3	15.7	17.1
30°	8.7	10.6	10.9	10.9	10.9	11.5	12.5	12.3	13.9	17.0	18.9
27.5°	8.7	10.7	10.9	10.9	10.9	11.8	12.6	12.8	14.7	18.6	21.0
25°	8.7	10.7	10.9	10.9	10.9	12.0	12.8	13.2	15.9	20.4	23.4
22.5°	8.7	10.7	10.9	10.9	10.9	12.3	12.9	13.7	17.2	22.2	28.0
20°	8.7	10.8	10.9	10.9	10.9	12.4	13.0	14.1	18.5	24.2	32.9
17.5°	8.7	10.8	10.9	10.9	10.9	12.6	13.2	14.5	19.9	26.3	38.0
15°	8.7	10.8	10.9	10.9	10.9	12.7	13.5	15.1	21.3	28.4	43.3
12.5°	8.7	10.8	10.9	10.9	10.9	12.8	13.7	16.2	23.3	30.6	48.6
10°	8.7	10.9	10.9	10.9	10.9	12.9	14.0	17.3	25.8	35.0	55.5
7.5°	8.7	10.9	10.9	10.9	10.9	13.0	14.3	18.5	28.2	40.0	65.9
5°	8.7	10.9	10.9	10.9	10.9	13.1	14.7	19.6	30.6	44.9	76.4
2.5°	8.7	10.9	10.9	10.9	10.9	13.1	15.0	20.7	32.8	49.8	86.5
0°	8.7	10.9	10.9	10.9	10.9	13.1	15.3	21.8	34.9	54.5	96.0
-2.5°	8.7	10.9	10.9	10.9	10.9	13.3	16.7	24.8	41.1	66.0	113.3
-5°	8.7	10.9	10.9	10.9	10.9	13.5	18.1	27.7	47.0	76.9	129.5
-7.5°	8.7	10.9	10.9	10.9	10.9	13.7	19.4	30.4	52.4	86.9	144.1
-10°	8.7	10.9	10.9	10.9	10.9	13.8	20.5	32.8	57.1	95.7	157.0
-12.5°	8.7	10.9	10.9	10.9	10.9	13.9	21.4	34.8	61.0	103.4	168.4
-15°	8.7	10.8	10.9	10.9	10.9	13.9	22.0	36.5	64.8	110.7	177.9
-17.5°	8.7	10.8	10.9	10.9	10.9	13.9	22.4	38.3	68.2	116.2	184.9
-20°	8.7	10.8	10.9	10.9	10.9	13.8	22.8	40.0	70.4	119.9	189.3



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	10.8	10.9	10.9	10.9	13.6	23.3	41.1	71.2	121.5	191.0
-25°	8.7	10.7	10.9	10.9	10.9	13.6	23.4	41.7	70.4	120.9	189.7
-27.5°	8.7	10.7	10.9	10.9	10.9	13.5	23.0	41.6	68.1	118.8	188.5
-30°	8.7	10.7	10.9	10.9	10.9	13.4	22.2	40.9	66.6	116.0	184.5
-32.5°	8.7	10.6	10.9	10.9	11.1	13.0	20.9	39.8	65.6	110.9	177.3
-35°	8.7	10.6	10.9	10.9	11.2	12.5	20.1	38.2	63.7	103.5	166.9
-37.5°	8.7	10.6	10.9	10.9	11.4	12.1	19.4	35.9	60.8	93.7	150.4
-40°	8.7	10.6	10.9	10.9	11.5	12.3	18.5	32.8	56.9	87.4	133.9
-42.5°	8.7	10.5	10.9	10.9	11.7	12.4	17.3	29.0	52.5	80.2	116.1
-45°	8.7	10.5	10.9	11.0	11.7	12.6	15.7	25.7	47.3	71.8	98.5
-47.5°	8.7	10.4	10.9	11.0	11.8	12.8	13.9	23.5	41.0	62.6	88.1
-50°	8.7	10.4	10.9	11.1	11.8	12.9	13.8	20.9	33.1	53.5	76.7
-52.5°	8.7	10.4	10.9	11.1	11.8	13.1	14.0	18.0	27.9	43.9	64.5
-55°	8.7	10.3	10.9	11.1	11.8	13.1	14.1	15.1	23.8	33.7	52.9
-57.5°	8.7	10.3	10.9	11.1	11.8	13.0	14.3	15.3	19.7	27.8	40.6
-60°	8.7	10.3	10.9	11.1	11.7	12.8	14.4	15.4	16.3	23.2	30.4
-62.5°	8.7	10.2	10.9	11.0	11.6	12.6	14.1	15.4	16.1	18.5	25.3
-65°	8.7	10.2	10.9	11.0	11.5	12.4	13.8	15.1	15.8	17.0	20.3
-67.5°	8.7	10.2	10.9	11.0	11.4	12.2	13.4	14.5	15.3	16.2	17.9
-70°	8.7	10.1	10.9	10.9	11.3	11.9	13.0	13.9	14.6	15.3	16.5
-72.5°	8.7	10.1	10.9	10.9	11.1	11.7	12.5	13.3	13.9	14.5	15.1
-75°	8.7	10.1	10.9	10.8	10.9	11.3	12.0	12.6	13.2	13.7	14.2
-77.5°	8.7	10.0	10.9	10.7	10.8	11.0	11.5	12.0	12.4	12.9	13.3
-80°	8.7	10.0	10.9	10.6	10.6	10.7	11.0	11.3	11.7	12.1	12.4
-82.5°	8.7	9.9	10.9	10.6	10.4	10.3	10.4	10.7	11.0	11.2	11.5
-85°	8.7	9.9	10.9	10.5	10.2	10.0	9.8	10.2	10.5	10.8	10.9
-87.5°	8.7	9.8	10.9	10.4	10.0	9.6	9.3	9.7	10.2	10.6	10.9
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.4	9.8	9.3	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.4	8.2	8.0
82.5°	9.3	9.3	9.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	10.2	9.9	9.3	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	10.5	9.9	9.4	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	10.5	10.0	9.4	8.9	8.7	8.7	8.8	9.2	9.4	9.5	9.3
72.5°	10.6	10.1	9.5	9.0	9.2	9.7	10.2	10.7	11.2	11.5	11.8
70°	10.7	10.1	9.9	10.0	10.5	11.1	12.1	13.3	14.4	15.2	16.6
67.5°	10.8	10.5	10.6	11.0	11.8	12.9	14.2	17.1	20.1	21.8	23.6
65°	10.9	10.8	11.2	11.9	13.0	15.7	18.9	22.4	27.8	31.0	32.3
62.5°	10.9	11.1	11.6	13.2	16.3	19.7	24.2	30.2	37.5	42.5	42.7
60°	10.9	11.2	13.0	16.1	19.5	23.8	29.7	37.9	48.6	56.6	51.5
57.5°	10.9	12.2	15.2	18.5	22.3	27.1	34.9	45.3	55.5	66.2	56.8
55°	11.5	13.9	17.0	20.3	24.6	29.9	37.9	46.7	57.8	61.1	50.3
52.5°	12.9	15.4	17.9	21.7	26.4	31.1	36.2	43.8	47.3	48.0	39.9
50°	14.2	16.1	18.5	22.6	27.2	30.5	31.7	36.1	36.4	33.0	28.6
47.5°	15.0	16.8	18.7	23.0	27.2	29.2	28.7	27.7	25.3	23.4	18.1
45°	15.6	17.4	19.3	23.5	27.0	27.7	25.2	19.9	20.8	18.5	17.2
42.5°	16.1	18.0	20.9	24.3	26.5	26.3	22.7	21.0	19.6	19.2	18.7
40°	16.6	18.6	23.0	26.0	26.6	25.8	25.9	24.7	21.2	22.7	22.8
37.5°	17.1	20.8	26.0	30.4	27.4	28.9	30.9	31.4	29.6	28.8	31.8
35°	17.5	23.1	31.8	36.6	33.9	35.0	39.1	40.8	41.2	41.0	43.3
32.5°	19.0	25.5	39.5	44.3	45.6	46.3	49.1	53.3	58.1	60.1	57.6
30°	22.1	32.7	48.3	53.5	59.1	67.2	65.4	68.6	79.3	83.7	87.7
27.5°	27.1	42.0	57.2	65.9	76.0	94.5	101.1	94.4	103.6	112.2	125.3
25°	32.8	65.5	67.2	80.0	102.7	130.6	148.5	156.1	135.8	150.9	186.1
22.5°	45.4	96.3	102.5	95.1	133.6	174.9	210.1	228.9	226.4	211.8	259.0
20°	67.9	127.4	143.9	147.0	176.4	225.7	280.4	312.4	342.7	395.4	533.9
17.5°	94.2	161.9	187.9	214.2	267.7	311.5	358.3	405.8	477.6	634.5	1104.4
15°	123.4	199.1	233.8	287.3	366.9	440.1	497.2	539.9	666.7	995.4	1826.5
12.5°	154.6	238.2	281.2	364.7	471.4	575.4	656.4	742.3	955.6	1602.1	2974.6
10°	186.6	278.6	329.5	444.7	579.4	715.0	820.1	949.3	1282.8	2288.9	4227.7
7.5°	222.2	321.6	378.8	525.6	688.7	856.4	985.8	1157.9	1616.6	2982.9	5488.7
5°	256.7	366.7	431.2	595.4	780.7	980.7	1140.6	1364.2	1946.8	3655.7	6714.0
2.5°	288.4	410.3	482.5	659.1	858.0	1075.2	1246.3	1487.6	2175.4	4097.6	7616.0
0°	316.3	451.5	532.2	717.6	929.1	1162.5	1345.7	1600.9	2359.9	4364.3	8155.1
-2.5°	326.9	467.4	552.6	732.4	939.0	1177.3	1364.0	1610.8	2416.5	4472.5	8234.5
-5°	333.0	479.6	570.5	742.0	942.4	1183.1	1374.8	1610.6	2402.4	4378.8	7847.4
-7.5°	334.9	487.8	585.6	743.3	924.7	1145.1	1321.0	1526.1	2213.0	3991.6	7012.9
-10°	332.9	486.5	581.1	715.9	878.5	1078.3	1248.9	1433.7	1994.7	3506.0	6084.8
-12.5°	326.8	477.7	572.4	686.9	830.6	1006.7	1173.3	1335.3	1752.3	2928.0	5129.0
-15°	318.6	467.1	563.3	657.5	782.5	931.4	1095.3	1231.9	1500.0	2311.2	4180.3
-17.5°	308.9	455.5	554.2	628.6	735.4	853.4	1019.0	1145.7	1313.9	1918.1	3416.9
-20°	298.2	443.1	545.6	601.1	691.5	794.3	945.6	1074.3	1216.5	1608.1	2598.3



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	286.9	430.4	533.2	585.8	662.6	753.5	871.6	998.8	1117.6	1266.0	1903.4
-25°	281.3	411.8	514.7	575.4	635.7	714.0	800.2	919.5	1025.6	1168.2	1536.0
-27.5°	278.6	394.4	492.8	563.7	609.4	677.9	749.3	841.4	962.9	1088.9	1222.3
-30°	272.1	368.5	470.3	547.5	592.8	648.5	708.3	786.5	902.6	1018.9	1136.7
-32.5°	256.1	341.0	441.3	521.4	577.5	620.8	678.9	750.6	843.9	950.7	1056.4
-35°	235.5	316.9	408.5	495.5	560.0	602.1	654.8	716.5	789.4	885.2	998.2
-37.5°	214.9	290.1	374.3	464.3	531.8	587.2	629.4	685.3	748.7	824.6	935.9
-40°	191.8	260.8	341.3	425.8	504.8	565.6	612.6	654.9	709.6	784.2	863.8
-42.5°	167.1	232.8	306.5	385.6	464.3	533.9	593.4	633.3	679.8	744.4	817.0
-45°	146.2	202.2	269.6	342.4	416.5	493.2	556.5	614.6	657.0	706.1	770.7
-47.5°	124.0	171.4	232.8	296.5	366.3	438.2	512.2	573.7	633.6	678.3	724.0
-50°	103.3	145.7	192.8	252.0	313.6	380.5	449.5	522.5	585.3	643.1	693.0
-52.5°	89.2	118.8	160.4	207.2	262.5	320.6	385.2	452.2	521.3	587.0	638.8
-55°	74.1	99.1	128.6	168.2	212.7	263.9	319.3	381.0	442.0	506.3	565.4
-57.5°	59.5	81.0	103.9	131.7	169.2	209.3	258.2	309.4	365.2	420.4	467.4
-60°	45.0	63.6	84.0	104.7	127.7	162.7	198.4	241.5	288.9	334.7	376.0
-62.5°	31.7	47.0	64.8	83.3	101.9	120.0	148.6	180.9	213.2	251.9	288.1
-65°	26.3	32.8	45.8	62.2	79.0	95.8	112.2	128.1	154.9	182.2	207.6
-67.5°	20.8	26.6	32.7	40.8	55.6	70.6	86.1	100.7	114.9	128.6	144.6
-70°	18.5	20.9	25.6	31.1	36.7	44.2	57.3	70.8	84.9	98.9	111.1
-72.5°	16.7	18.9	21.1	23.3	27.9	32.6	37.2	41.7	50.4	62.5	74.8
-75°	15.3	17.0	19.0	21.0	22.9	24.9	27.3	31.3	35.3	39.4	43.6
-77.5°	14.0	15.1	16.6	18.4	20.1	21.6	23.2	25.0	26.9	28.9	31.0
-80°	12.7	13.1	13.8	14.9	16.3	17.8	19.2	20.5	21.9	23.2	24.7
-82.5°	11.7	12.0	12.2	12.5	13.1	13.9	14.8	16.0	16.8	17.5	18.4
-85°	10.9	10.9	11.1	11.2	11.5	11.8	12.2	12.7	13.0	13.2	13.5
-87.5°	10.6	10.4	10.1	10.0	10.0	10.1	10.2	10.3	10.3	10.4	10.4
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.7	9.8	10.9	12.0	13.1	14.2	15.2	16.3	17.4	18.5	19.6
87.5°	6.5	6.5	6.5	6.5	6.5	6.0	5.5	4.9	4.4	3.9	3.3
85°	7.9	7.6	7.3	6.9	6.5	6.0	5.5	4.9	4.4	3.9	3.3
82.5°	8.7	8.2	7.6	7.1	6.5	6.0	5.5	5.0	4.4	3.9	3.3
80°	8.7	8.2	7.7	7.1	6.6	6.0	5.5	5.0	4.4	3.9	3.3
77.5°	8.7	8.3	7.7	7.2	6.6	6.1	5.5	5.0	4.5	4.3	4.3
75°	8.9	8.5	8.4	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4
72.5°	12.1	12.0	11.7	11.4	10.7	10.2	9.8	9.2	8.4	7.9	7.5
70°	17.9	18.6	18.0	16.8	14.9	13.4	12.5	11.6	10.7	9.8	8.8
67.5°	24.9	24.9	23.1	20.8	17.7	14.9	13.8	12.6	11.4	10.8	10.6
65°	32.2	30.1	27.0	23.4	19.2	15.1	13.9	12.7	11.5	10.9	10.9
62.5°	40.3	33.6	27.1	22.3	18.5	15.1	13.5	11.9	10.4	9.3	9.1
60°	43.3	32.1	23.2	19.3	16.1	13.5	11.8	10.5	9.4	8.7	8.7
57.5°	41.9	28.7	18.6	15.5	13.1	11.4	10.2	9.2	8.2	7.3	7.0
55°	35.7	23.4	14.0	12.0	10.8	9.5	8.5	7.8	7.2	6.5	6.5
52.5°	26.3	17.9	12.6	10.5	9.9	9.3	8.6	8.4	8.2	7.9	7.7
50°	19.2	13.9	12.0	10.7	10.3	10.3	10.6	10.6	10.4	10.2	9.8
47.5°	15.7	13.6	12.2	11.0	11.3	12.3	12.8	12.8	12.6	12.4	12.1
45°	15.2	14.0	13.3	14.0	14.7	15.3	15.3	15.0	15.7	15.9	15.6
42.5°	16.7	16.9	18.2	19.2	18.5	19.7	21.0	21.0	22.0	22.7	22.7
40°	23.5	22.9	26.3	27.3	27.7	29.0	32.7	32.4	34.0	38.6	39.5
37.5°	33.7	35.6	37.8	39.9	45.7	49.5	56.8	62.6	65.7	74.5	81.3
35°	47.6	52.3	53.6	65.2	77.0	88.2	98.4	110.7	116.0	135.4	148.9
32.5°	67.3	77.1	90.3	109.5	132.0	158.9	157.7	198.6	213.4	253.3	299.1
30°	94.2	121.6	165.1	195.3	250.8	294.5	316.5	380.3	466.1	548.1	659.7
27.5°	153.1	210.8	289.6	393.5	447.7	513.5	612.9	689.2	885.0	1072.1	1209.4
25°	263.3	384.3	533.1	686.6	782.8	869.0	1050.7	1184.0	1461.6	1670.0	1967.4
22.5°	503.5	762.2	950.4	1064.4	1270.7	1540.5	1671.4	2038.1	2449.7	2975.2	3409.5
20°	848.5	1255.5	1675.0	1931.3	2166.8	2762.3	3023.2	3710.0	4585.1	5574.0	6398.4
17.5°	1660.4	2032.2	2886.3	3718.5	4344.6	4932.5	6582.6	7761.3	10049.2	12849.3	14140.7
15°	2979.4	4018.7	5015.3	6524.9	8122.4	9899.8	12489.2	16959.8	22574.9	28697.8	35320.6
12.5°	4830.1	6727.2	8510.0	10410.2	12697.3	17064.5	22968.5	30776.6	40865.8	51690.8	64189.6
10°	6909.2	9796.4	12400.5	15269.3	19330.2	25818.2	34569.2	46614.4	64581.8	82947.8	98878.7
7.5°	8771.1	12267.8	15800.1	19952.4	26389.4	35655.8	48245.8	67052.8	90516.5	113244.7	132624.1
5°	10555.3	14640.2	18666.2	23615.5	31728.1	43821.6	60115.3	85916.5	115578.8	140797.4	162036.3
2.5°	11945.4	16496.5	21103.8	26924.5	36180.2	49940.1	68446.6	99675.4	135476.4	163445.1	187730.5
0°	12741.9	17106.2	22107.4	28138.1	38788.3	53776.7	72756.4	106009.2	141663.3	172744.8	196478.2
-2.5°	12585.9	17159.2	22272.0	28372.9	38467.7	52857.8	71567.7	103288.4	138775.2	166794.8	189792.1
-5°	11791.4	15975.5	20483.2	25835.8	34743.2	47855.5	66225.9	96034.8	128968.5	156994.8	180367.9
-7.5°	10552.4	14252.4	18176.5	22835.3	30368.5	41778.0	57568.7	80778.5	109958.0	135341.1	152859.6
-10°	9200.1	12455.7	15997.0	20213.0	26154.6	35099.0	47063.4	63829.6	87694.8	108845.8	125095.7
-12.5°	7917.9	10877.7	13958.1	17478.6	21975.8	29020.7	38114.0	50631.4	66015.3	83401.8	100000.0
-15°	6688.3	9287.4	11975.6	15234.3	19145.4	23925.1	30038.1	38460.0	48567.1	59962.5	72255.3
-17.5°	5517.7	7799.9	10329.1	13174.5	16406.4	20058.2	25184.9	30960.1	37376.5	44801.4	51840.9
-20°	4328.8	6437.5	8732.5	11265.6	14165.3	17494.3	21142.4	25480.4	30122.5	35195.5	40461.5



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3303.8	5100.7	7108.6	9414.9	12137.2	15071.7	17901.4	20748.7	24183.0	27528.8	30889.0
-25°	2313.5	3738.4	5613.3	7817.9	10129.4	12582.0	14682.2	16689.2	19074.1	21219.1	23452.8
-27.5°	1701.6	2680.5	4231.0	6186.2	8259.3	9941.5	11709.7	13355.9	15082.9	16444.3	18017.6
-30°	1297.6	1861.2	3013.3	4538.5	6201.8	7667.6	9032.2	10522.9	11942.9	13124.8	14113.9
-32.5°	1183.4	1398.2	1981.4	3043.8	4246.1	5546.8	6727.4	8025.0	9216.1	10199.2	10986.6
-35°	1112.2	1228.6	1398.6	1934.9	2639.9	3666.9	4652.0	5714.7	6702.0	7512.9	8165.0
-37.5°	1051.4	1153.6	1253.9	1354.6	1743.0	2176.1	2887.1	3656.4	4323.3	5064.8	5643.7
-40°	975.9	1090.6	1171.7	1254.5	1347.8	1456.1	1831.3	2168.2	2545.3	3068.9	3502.3
-42.5°	893.0	989.9	1090.9	1172.0	1243.9	1320.4	1405.4	1489.6	1663.0	1883.1	2062.3
-45°	838.7	902.5	975.8	1068.0	1152.0	1215.7	1278.9	1340.1	1398.0	1450.1	1493.7
-47.5°	780.1	834.3	893.8	957.1	1019.3	1090.1	1156.5	1212.0	1256.0	1297.9	1335.4
-50°	727.9	768.0	818.2	867.4	916.4	966.7	1016.3	1059.2	1101.6	1139.8	1177.2
-52.5°	685.8	719.6	752.6	785.5	825.3	864.1	900.8	933.8	963.9	990.0	1017.5
-55°	614.8	657.3	699.5	728.8	754.0	778.3	802.4	829.7	853.6	874.2	893.5
-57.5°	518.3	569.7	616.7	651.2	683.8	714.3	735.6	751.3	766.5	780.9	794.0
-60°	416.0	454.5	499.5	543.7	584.4	621.3	645.1	665.3	682.4	696.8	709.5
-62.5°	321.5	354.5	391.3	426.8	459.7	492.1	523.7	551.3	574.8	594.8	611.3
-65°	234.2	263.1	294.3	324.5	353.4	381.9	408.1	431.9	453.4	472.7	490.6
-67.5°	166.7	187.9	210.6	231.0	254.0	279.0	303.7	325.8	345.4	360.9	372.6
-70°	122.6	134.6	149.6	167.1	186.2	204.1	221.8	238.9	255.1	269.1	281.6
-72.5°	87.1	99.6	111.4	122.5	134.3	146.1	158.1	170.7	183.5	194.2	203.5
-75°	47.8	54.0	64.0	73.7	83.2	92.2	100.3	107.3	113.4	118.5	122.9
-77.5°	33.9	38.0	42.2	46.2	50.1	54.9	59.9	64.9	69.9	73.9	77.5
-80°	26.2	28.5	30.9	33.5	36.2	39.5	42.9	46.3	49.7	52.1	54.4
-82.5°	19.2	20.9	22.6	24.2	25.8	27.9	30.0	32.0	33.9	35.3	36.7
-85°	13.7	14.8	16.0	17.1	18.3	20.2	22.1	23.9	25.7	26.9	28.1
-87.5°	10.5	11.2	11.8	12.5	13.1	14.7	16.3	17.9	19.5	20.1	20.7
-90°	6.5	6.5	6.5	6.5	6.5	6.0	5.5	4.9	4.4	3.9	3.3



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	20.7	21.8	21.8	21.8	21.8	21.8	20.7	19.6	18.5	17.4	16.3
87.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	4.9
85°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	4.9
82.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
80°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
77.5°	4.3	4.4	3.3	2.2	3.3	4.4	4.3	4.3	4.3	4.5	5.0
75°	4.9	4.4	3.3	2.2	3.3	4.4	4.9	5.4	5.8	6.2	6.6
72.5°	7.0	6.5	6.5	6.5	6.5	6.5	7.0	7.5	7.9	8.4	9.2
70°	7.8	6.6	6.5	6.5	6.5	6.6	7.8	8.8	9.8	10.7	11.6
67.5°	10.7	10.7	10.9	10.9	10.9	10.7	10.7	10.6	10.8	11.4	12.6
65°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.5	12.7
62.5°	8.9	8.8	8.7	8.7	8.7	8.8	8.9	9.1	9.3	10.4	11.9
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4	10.5
57.5°	6.8	6.6	6.5	6.5	6.5	6.6	6.8	7.0	7.3	8.2	9.2
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.2	7.8
52.5°	7.3	6.8	6.5	6.5	6.5	6.8	7.3	7.7	7.9	8.2	8.4
50°	9.4	8.9	8.7	8.7	8.7	8.9	9.4	9.8	10.2	10.4	10.6
47.5°	11.6	11.1	10.9	10.9	10.9	11.1	11.6	12.1	12.4	12.6	12.8
45°	14.8	13.8	13.1	13.1	13.1	13.8	14.8	15.6	15.9	15.7	15.0
42.5°	22.6	22.0	21.6	21.8	21.6	22.0	22.6	22.7	22.7	22.0	21.0
40°	41.4	42.6	43.0	43.6	43.0	42.6	41.4	39.5	38.6	34.0	32.4
37.5°	85.0	83.4	79.6	80.7	79.6	83.4	85.0	81.3	74.5	65.7	62.6
35°	157.8	167.3	174.0	178.8	174.0	167.3	157.8	148.9	135.4	116.0	110.7
32.5°	316.1	329.1	325.3	318.4	325.3	329.1	316.1	299.1	253.3	213.4	198.6
30°	725.6	763.5	753.2	708.9	753.2	763.5	725.6	659.7	548.1	466.1	380.3
27.5°	1308.1	1399.6	1459.2	1428.6	1459.2	1399.6	1308.1	1209.4	1072.1	885.0	689.2
25°	2223.9	2401.6	2528.8	2475.5	2528.8	2401.6	2223.9	1967.4	1670.0	1461.6	1184.0
22.5°	3954.2	4246.0	4419.3	4464.7	4419.3	4246.0	3954.2	3409.5	2975.2	2449.7	2038.1
20°	7435.3	7668.0	7714.1	7598.9	7714.1	7668.0	7435.3	6398.4	5574.0	4585.1	3710.0
17.5°	17890.2	18964.7	18177.1	17350.5	18177.1	18964.7	17890.2	14140.7	12849.3	10049.2	7761.3
15°	40924.7	45462.4	48047.4	48574.8	48047.4	45462.4	40924.7	35320.6	28697.8	22574.9	16959.8
12.5°	72111.6	79424.3	82442.1	82160.2	82442.1	79424.3	72111.6	64189.6	51690.8	40865.8	30776.6
10°	109097.7	116915.8	123642.7	123710.8	123642.7	116915.8	109097.7	98878.7	82947.8	64581.8	46614.4
7.5°	146075.2	155091.6	161420.0	163225.4	161420.0	155091.6	146075.2	132624.1	113244.7	90516.5	67052.8
5°	178446.6	189609.4	195892.2	197810.8	195892.2	189609.4	178446.6	162036.3	140797.4	115578.8	85916.5
2.5°	206907.6	220582.5	227473.2	228544.4	227473.2	220582.5	206907.6	187730.5	163445.1	135476.4	99675.4
0°	214738.2	226928.2	235852.1	239028.8	235852.1	226928.2	214738.2	196478.2	172744.8	141663.3	106009.2
-2.5°	207018.4	217683.2	223002.0	225220.4	223002.0	217683.2	207018.4	189792.1	166794.8	138775.2	103288.4
-5°	194815.8	204768.6	211542.4	213111.1	211542.4	204768.6	194815.8	180367.9	156994.8	128968.5	96034.8
-7.5°	164414.0	174210.5	177254.0	180704.6	177254.0	174210.5	164414.0	152859.6	135341.1	109958.0	80778.5
-10°	137371.1	144992.0	147088.1	149532.6	147088.1	144992.0	137371.1	125095.7	108845.8	87694.8	63829.6
-12.5°	113662.8	121211.6	124628.9	127553.9	124628.9	121211.6	113662.8	100000.0	83401.8	66015.3	50631.4
-15°	83273.4	90368.3	92819.1	94401.5	92819.1	90368.3	83273.4	72255.3	59962.5	48567.1	38460.0
-17.5°	60321.8	65725.2	68936.2	70797.8	68936.2	65725.2	60321.8	51840.9	44801.4	37376.5	30960.1
-20°	45090.4	48186.9	50674.3	50947.8	50674.3	48186.9	45090.4	40461.5	35195.5	30122.5	25480.4



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33704.3	35548.7	36693.8	36624.7	36693.8	35548.7	33704.3	30889.0	27528.8	24183.0	20748.7
-25°	25156.3	26396.3	27185.0	27326.7	27185.0	26396.3	25156.3	23452.8	21219.1	19074.1	16689.2
-27.5°	19143.9	20017.0	20469.4	20493.4	20469.4	20017.0	19143.9	18017.6	16444.3	15082.9	13355.9
-30°	14831.8	15558.9	16041.2	16410.4	16041.2	15558.9	14831.8	14113.9	13124.8	11942.9	10522.9
-32.5°	11648.3	12269.0	12689.8	12940.3	12689.8	12269.0	11648.3	10986.6	10199.2	9216.1	8025.0
-35°	8732.7	9229.8	9527.2	9452.8	9527.2	9229.8	8732.7	8165.0	7512.9	6702.0	5714.7
-37.5°	6153.6	6575.0	6874.8	7064.5	6874.8	6575.0	6153.6	5643.7	5064.8	4323.3	3656.4
-40°	3877.4	4168.8	4376.2	4508.3	4376.2	4168.8	3877.4	3502.3	3068.9	2545.3	2168.2
-42.5°	2208.2	2317.2	2390.5	2429.7	2390.5	2317.2	2208.2	2062.3	1883.1	1663.0	1489.6
-45°	1527.3	1554.5	1574.1	1585.6	1574.1	1554.5	1527.3	1493.7	1450.1	1398.0	1340.1
-47.5°	1364.8	1387.1	1401.6	1409.0	1401.6	1387.1	1364.8	1335.4	1297.9	1256.0	1212.0
-50°	1210.7	1238.1	1254.6	1260.7	1254.6	1238.1	1210.7	1177.2	1139.8	1101.6	1059.2
-52.5°	1043.3	1065.5	1080.4	1088.4	1080.4	1065.5	1043.3	1017.5	990.0	963.9	933.8
-55°	910.4	924.5	931.8	933.5	931.8	924.5	910.4	893.5	874.2	853.6	829.7
-57.5°	805.2	814.3	821.5	826.6	821.5	814.3	805.2	794.0	780.9	766.5	751.3
-60°	719.7	727.6	731.7	732.8	731.7	727.6	719.7	709.5	696.8	682.4	665.3
-62.5°	624.0	633.4	640.7	645.6	640.7	633.4	624.0	611.3	594.8	574.8	551.3
-65°	506.7	520.9	528.4	532.2	528.4	520.9	506.7	490.6	472.7	453.4	431.9
-67.5°	381.9	389.1	390.8	390.4	390.8	389.1	381.9	372.6	360.9	345.4	325.8
-70°	293.2	303.9	307.9	309.7	307.9	303.9	293.2	281.6	269.1	255.1	238.9
-72.5°	212.0	219.6	223.9	226.8	223.9	219.6	212.0	203.5	194.2	183.5	170.7
-75°	126.6	129.7	131.6	133.0	131.6	129.7	126.6	122.9	118.5	113.4	107.3
-77.5°	81.1	84.5	86.0	87.2	86.0	84.5	81.1	77.5	73.9	69.9	64.9
-80°	56.5	58.5	58.8	58.9	58.8	58.5	56.5	54.4	52.1	49.7	46.3
-82.5°	37.9	39.2	39.3	39.3	39.3	39.2	37.9	36.7	35.3	33.9	32.0
-85°	29.3	30.4	30.5	30.5	30.5	30.4	29.3	28.1	26.9	25.7	23.9
-87.5°	21.2	21.8	22.9	24.0	22.9	21.8	21.2	20.7	20.1	19.5	17.9
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.8	3.3	3.9	4.4	4.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.2	14.2	13.1	12.0	10.9	9.8	8.7	8.7	8.7	8.7	8.7
87.5°	5.5	6.0	6.5	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7
85°	5.5	6.0	6.5	6.9	7.3	7.6	7.9	8.0	8.2	8.4	8.7
82.5°	5.5	6.0	6.5	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7
80°	5.5	6.0	6.6	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7
77.5°	5.5	6.1	6.6	7.2	7.7	8.3	8.7	8.7	8.7	8.7	8.7
75°	6.9	7.3	7.7	8.1	8.4	8.5	8.9	9.3	9.5	9.4	9.2
72.5°	9.8	10.2	10.7	11.4	11.7	12.0	12.1	11.8	11.5	11.2	10.7
70°	12.5	13.4	14.9	16.8	18.0	18.6	17.9	16.6	15.2	14.4	13.3
67.5°	13.8	14.9	17.7	20.8	23.1	24.9	24.9	23.6	21.8	20.1	17.1
65°	13.9	15.1	19.2	23.4	27.0	30.1	32.2	32.3	31.0	27.8	22.4
62.5°	13.5	15.1	18.5	22.3	27.1	33.6	40.3	42.7	42.5	37.5	30.2
60°	11.8	13.5	16.1	19.3	23.2	32.1	43.3	51.5	56.6	48.6	37.9
57.5°	10.2	11.4	13.1	15.5	18.6	28.7	41.9	56.8	66.2	55.5	45.3
55°	8.5	9.5	10.8	12.0	14.0	23.4	35.7	50.3	61.1	57.8	46.7
52.5°	8.6	9.3	9.9	10.5	12.6	17.9	26.3	39.9	48.0	47.3	43.8
50°	10.6	10.3	10.3	10.7	12.0	13.9	19.2	28.6	33.0	36.4	36.1
47.5°	12.8	12.3	11.3	11.0	12.2	13.6	15.7	18.1	23.4	25.3	27.7
45°	15.3	15.3	14.7	14.0	13.3	14.0	15.2	17.2	18.5	20.8	19.9
42.5°	21.0	19.7	18.5	19.2	18.2	16.9	16.7	18.7	19.2	19.6	21.0
40°	32.7	29.0	27.7	27.3	26.3	22.9	23.5	22.8	22.7	21.2	24.7
37.5°	56.8	49.5	45.7	39.9	37.8	35.6	33.7	31.8	28.8	29.6	31.4
35°	98.4	88.2	77.0	65.2	53.6	52.3	47.6	43.3	41.0	41.2	40.8
32.5°	157.7	158.9	132.0	109.5	90.3	77.1	67.3	57.6	60.1	58.1	53.3
30°	316.5	294.5	250.8	195.3	165.1	121.6	94.2	87.7	83.7	79.3	68.6
27.5°	612.9	513.5	447.7	393.5	289.6	210.8	153.1	125.3	112.2	103.6	94.4
25°	1050.7	869.0	782.8	686.6	533.1	384.3	263.3	186.1	150.9	135.8	156.1
22.5°	1671.4	1540.5	1270.7	1064.4	950.4	762.2	503.5	259.0	211.8	226.4	228.9
20°	3023.2	2762.3	2166.8	1931.3	1675.0	1255.5	848.5	533.9	395.4	342.7	312.4
17.5°	6582.6	4932.5	4344.6	3718.5	2886.3	2032.2	1660.4	1104.4	634.5	477.6	405.8
15°	12489.2	9899.8	8122.4	6524.9	5015.3	4018.7	2979.4	1826.5	995.4	666.7	539.9
12.5°	22968.5	17064.5	12697.3	10410.2	8510.0	6727.2	4830.1	2974.6	1602.1	955.6	742.3
10°	34569.2	25818.2	19330.2	15269.3	12400.5	9796.4	6909.2	4227.7	2288.9	1282.8	949.3
7.5°	48245.8	35655.8	26389.4	19952.4	15800.1	12267.8	8771.1	5488.7	2982.9	1616.6	1157.9
5°	60115.3	43821.6	31728.1	23615.5	18666.2	14640.2	10555.3	6714.0	3655.7	1946.8	1364.2
2.5°	68446.6	49940.1	36180.2	26924.5	21103.8	16496.5	11945.4	7616.0	4097.6	2175.4	1487.6
0°	72756.4	53776.7	38788.3	28138.1	22107.4	17106.2	12741.9	8155.1	4364.3	2359.9	1600.9
-2.5°	71567.7	52857.8	38467.7	28372.9	22272.0	17159.2	12585.9	8234.5	4472.5	2416.5	1610.8
-5°	66225.9	47855.5	34743.2	25835.8	20483.2	15975.5	11791.4	7847.4	4378.8	2402.4	1610.6
-7.5°	57568.7	41778.0	30368.5	22835.3	18176.5	14252.4	10552.4	7012.9	3991.6	2213.0	1526.1
-10°	47063.4	35099.0	26154.6	20213.0	15997.0	12455.7	9200.1	6084.8	3506.0	1994.7	1433.7
-12.5°	38114.0	29020.7	21975.8	17478.6	13958.1	10877.7	7917.9	5129.0	2928.0	1752.3	1335.3
-15°	30038.1	23925.1	19145.4	15234.3	11975.6	9287.4	6688.3	4180.3	2311.2	1500.0	1231.9
-17.5°	25184.9	20058.2	16406.4	13174.5	10329.1	7799.9	5517.7	3416.9	1918.1	1313.9	1145.7
-20°	21142.4	17494.3	14165.3	11265.6	8732.5	6437.5	4328.8	2598.3	1608.1	1216.5	1074.3



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17901.4	15071.7	12137.2	9414.9	7108.6	5100.7	3303.8	1903.4	1266.0	1117.6	998.8
-25°	14682.2	12582.0	10129.4	7817.9	5613.3	3738.4	2313.5	1536.0	1168.2	1025.6	919.5
-27.5°	11709.7	9941.5	8259.3	6186.2	4231.0	2680.5	1701.6	1222.3	1088.9	962.9	841.4
-30°	9032.2	7667.6	6201.8	4538.5	3013.3	1861.2	1297.6	1136.7	1018.9	902.6	786.5
-32.5°	6727.4	5546.8	4246.1	3043.8	1981.4	1398.2	1183.4	1056.4	950.7	843.9	750.6
-35°	4652.0	3666.9	2639.9	1934.9	1398.6	1228.6	1112.2	998.2	885.2	789.4	716.5
-37.5°	2887.1	2176.1	1743.0	1354.6	1253.9	1153.6	1051.4	935.9	824.6	748.7	685.3
-40°	1831.3	1456.1	1347.8	1254.5	1171.7	1090.6	975.9	863.8	784.2	709.6	654.9
-42.5°	1405.4	1320.4	1243.9	1172.0	1090.9	989.9	893.0	817.0	744.4	679.8	633.3
-45°	1278.9	1215.7	1152.0	1068.0	975.8	902.5	838.7	770.7	706.1	657.0	614.6
-47.5°	1156.5	1090.1	1019.3	957.1	893.8	834.3	780.1	724.0	678.3	633.6	573.7
-50°	1016.3	966.7	916.4	867.4	818.2	768.0	727.9	693.0	643.1	585.3	522.5
-52.5°	900.8	864.1	825.3	785.5	752.6	719.6	685.8	638.8	587.0	521.3	452.2
-55°	802.4	778.3	754.0	728.8	699.5	657.3	614.8	565.4	506.3	442.0	381.0
-57.5°	735.6	714.3	683.8	651.2	616.7	569.7	518.3	467.4	420.4	365.2	309.4
-60°	645.1	621.3	584.4	543.7	499.5	454.5	416.0	376.0	334.7	288.9	241.5
-62.5°	523.7	492.1	459.7	426.8	391.3	354.5	321.5	288.1	251.9	213.2	180.9
-65°	408.1	381.9	353.4	324.5	294.3	263.1	234.2	207.6	182.2	154.9	128.1
-67.5°	303.7	279.0	254.0	231.0	210.6	187.9	166.7	144.6	128.6	114.9	100.7
-70°	221.8	204.1	186.2	167.1	149.6	134.6	122.6	111.1	98.9	84.9	70.8
-72.5°	158.1	146.1	134.3	122.5	111.4	99.6	87.1	74.8	62.5	50.4	41.7
-75°	100.3	92.2	83.2	73.7	64.0	54.0	47.8	43.6	39.4	35.3	31.3
-77.5°	59.9	54.9	50.1	46.2	42.2	38.0	33.9	31.0	28.9	26.9	25.0
-80°	42.9	39.5	36.2	33.5	30.9	28.5	26.2	24.7	23.2	21.9	20.5
-82.5°	30.0	27.9	25.8	24.2	22.6	20.9	19.2	18.4	17.5	16.8	16.0
-85°	22.1	20.2	18.3	17.1	16.0	14.8	13.7	13.5	13.2	13.0	12.7
-87.5°	16.3	14.7	13.1	12.5	11.8	11.2	10.5	10.4	10.4	10.3	10.3
-90°	5.5	6.0	6.5	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7





REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.7	8.7	8.7	8.7	9.3	9.8	10.4	10.9	10.3	9.8	9.3
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.9	9.1	9.2
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.1	9.5	9.7
82.5°	8.7	8.7	8.7	8.7	9.1	9.3	9.3	9.3	9.5	9.9	10.2
80°	8.7	8.7	8.7	8.8	9.3	9.9	10.2	10.2	10.1	10.2	10.5
77.5°	8.7	8.7	8.7	8.8	9.4	9.9	10.5	10.9	10.7	10.6	10.7
75°	8.8	8.7	8.7	8.9	9.4	10.0	10.5	10.9	10.9	10.9	10.8
72.5°	10.2	9.7	9.2	9.0	9.5	10.1	10.6	10.9	10.9	10.9	10.9
70°	12.1	11.1	10.5	10.0	9.9	10.1	10.7	10.9	10.9	10.9	10.9
67.5°	14.2	12.9	11.8	11.0	10.6	10.5	10.8	10.9	10.9	10.9	10.9
65°	18.9	15.7	13.0	11.9	11.2	10.8	10.9	10.9	10.9	10.9	10.9
62.5°	24.2	19.7	16.3	13.2	11.6	11.1	10.9	10.9	10.9	10.9	10.9
60°	29.7	23.8	19.5	16.1	13.0	11.2	10.9	10.9	10.9	10.9	10.9
57.5°	34.9	27.1	22.3	18.5	15.2	12.2	10.9	10.9	10.9	10.9	10.9
55°	37.9	29.9	24.6	20.3	17.0	13.9	11.5	10.9	10.9	10.9	10.9
52.5°	36.2	31.1	26.4	21.7	17.9	15.4	12.9	10.9	10.9	10.9	10.9
50°	31.7	30.5	27.2	22.6	18.5	16.1	14.2	11.9	10.9	10.9	11.0
47.5°	28.7	29.2	27.2	23.0	18.7	16.8	15.0	12.9	10.9	10.9	11.2
45°	25.2	27.7	27.0	23.5	19.3	17.4	15.6	13.7	11.6	11.0	11.4
42.5°	22.7	26.3	26.5	24.3	20.9	18.0	16.1	14.2	12.2	11.2	11.6
40°	25.9	25.8	26.6	26.0	23.0	18.6	16.6	14.7	12.7	11.5	11.7
37.5°	30.9	28.9	27.4	30.4	26.0	20.8	17.1	15.1	13.5	12.1	11.8
35°	39.1	35.0	33.9	36.6	31.8	23.1	17.5	15.5	14.5	12.7	11.9
32.5°	49.1	46.3	45.6	44.3	39.5	25.5	19.0	17.1	15.7	13.3	12.1
30°	65.4	67.2	59.1	53.5	48.3	32.7	22.1	18.9	17.0	13.9	12.3
27.5°	101.1	94.5	76.0	65.9	57.2	42.0	27.1	21.0	18.6	14.7	12.8
25°	148.5	130.6	102.7	80.0	67.2	65.5	32.8	23.4	20.4	15.9	13.2
22.5°	210.1	174.9	133.6	95.1	102.5	96.3	45.4	28.0	22.2	17.2	13.7
20°	280.4	225.7	176.4	147.0	143.9	127.4	67.9	32.9	24.2	18.5	14.1
17.5°	358.3	311.5	267.7	214.2	187.9	161.9	94.2	38.0	26.3	19.9	14.5
15°	497.2	440.1	366.9	287.3	233.8	199.1	123.4	43.3	28.4	21.3	15.1
12.5°	656.4	575.4	471.4	364.7	281.2	238.2	154.6	48.6	30.6	23.3	16.2
10°	820.1	715.0	579.4	444.7	329.5	278.6	186.6	55.5	35.0	25.8	17.3
7.5°	985.8	856.4	688.7	525.6	378.8	321.6	222.2	65.9	40.0	28.2	18.5
5°	1140.6	980.7	780.7	595.4	431.2	366.7	256.7	76.4	44.9	30.6	19.6
2.5°	1246.3	1075.2	858.0	659.1	482.5	410.3	288.4	86.5	49.8	32.8	20.7
0°	1345.7	1162.5	929.1	717.6	532.2	451.5	316.3	96.0	54.5	34.9	21.8
-2.5°	1364.0	1177.3	939.0	732.4	552.6	467.4	326.9	113.3	66.0	41.1	24.8
-5°	1374.8	1183.1	942.4	742.0	570.5	479.6	333.0	129.5	76.9	47.0	27.7
-7.5°	1321.0	1145.1	924.7	743.3	585.6	487.8	334.9	144.1	86.9	52.4	30.4
-10°	1248.9	1078.3	878.5	715.9	581.1	486.5	332.9	157.0	95.7	57.1	32.8
-12.5°	1173.3	1006.7	830.6	686.9	572.4	477.7	326.8	168.4	103.4	61.0	34.8
-15°	1095.3	931.4	782.5	657.5	563.3	467.1	318.6	177.9	110.7	64.8	36.5
-17.5°	1019.0	853.4	735.4	628.6	554.2	455.5	308.9	184.9	116.2	68.2	38.3
-20°	945.6	794.3	691.5	601.1	545.6	443.1	298.2	189.3	119.9	70.4	40.0



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	871.6	753.5	662.6	585.8	533.2	430.4	286.9	191.0	121.5	71.2	41.1
-25°	800.2	714.0	635.7	575.4	514.7	411.8	281.3	189.7	120.9	70.4	41.7
-27.5°	749.3	677.9	609.4	563.7	492.8	394.4	278.6	188.5	118.8	68.1	41.6
-30°	708.3	648.5	592.8	547.5	470.3	368.5	272.1	184.5	116.0	66.6	40.9
-32.5°	678.9	620.8	577.5	521.4	441.3	341.0	256.1	177.3	110.9	65.6	39.8
-35°	654.8	602.1	560.0	495.5	408.5	316.9	235.5	166.9	103.5	63.7	38.2
-37.5°	629.4	587.2	531.8	464.3	374.3	290.1	214.9	150.4	93.7	60.8	35.9
-40°	612.6	565.6	504.8	425.8	341.3	260.8	191.8	133.9	87.4	56.9	32.8
-42.5°	593.4	533.9	464.3	385.6	306.5	232.8	167.1	116.1	80.2	52.5	29.0
-45°	556.5	493.2	416.5	342.4	269.6	202.2	146.2	98.5	71.8	47.3	25.7
-47.5°	512.2	438.2	366.3	296.5	232.8	171.4	124.0	88.1	62.6	41.0	23.5
-50°	449.5	380.5	313.6	252.0	192.8	145.7	103.3	76.7	53.5	33.1	20.9
-52.5°	385.2	320.6	262.5	207.2	160.4	118.8	89.2	64.5	43.9	27.9	18.0
-55°	319.3	263.9	212.7	168.2	128.6	99.1	74.1	52.9	33.7	23.8	15.1
-57.5°	258.2	209.3	169.2	131.7	103.9	81.0	59.5	40.6	27.8	19.7	15.3
-60°	198.4	162.7	127.7	104.7	84.0	63.6	45.0	30.4	23.2	16.3	15.4
-62.5°	148.6	120.0	101.9	83.3	64.8	47.0	31.7	25.3	18.5	16.1	15.4
-65°	112.2	95.8	79.0	62.2	45.8	32.8	26.3	20.3	17.0	15.8	15.1
-67.5°	86.1	70.6	55.6	40.8	32.7	26.6	20.8	17.9	16.2	15.3	14.5
-70°	57.3	44.2	36.7	31.1	25.6	20.9	18.5	16.5	15.3	14.6	13.9
-72.5°	37.2	32.6	27.9	23.3	21.1	18.9	16.7	15.1	14.5	13.9	13.3
-75°	27.3	24.9	22.9	21.0	19.0	17.0	15.3	14.2	13.7	13.2	12.6
-77.5°	23.2	21.6	20.1	18.4	16.6	15.1	14.0	13.3	12.9	12.4	12.0
-80°	19.2	17.8	16.3	14.9	13.8	13.1	12.7	12.4	12.1	11.7	11.3
-82.5°	14.8	13.9	13.1	12.5	12.2	12.0	11.7	11.5	11.2	11.0	10.7
-85°	12.2	11.8	11.5	11.2	11.1	10.9	10.9	10.9	10.8	10.5	10.2
-87.5°	10.2	10.1	10.0	10.0	10.1	10.4	10.6	10.9	10.6	10.2	9.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	9.3	9.8	10.4	10.9	9.8	8.7
87.5°	9.3	9.2	9.1	9.0	8.9	8.8	8.7
85°	9.8	9.7	9.5	9.3	9.1	8.9	8.7
82.5°	10.4	10.1	9.8	9.6	9.3	9.0	8.7
80°	10.9	10.6	10.2	9.8	9.5	9.1	8.7
77.5°	10.9	10.9	10.6	10.1	9.7	9.2	8.7
75°	10.9	10.9	10.9	10.4	9.8	9.3	8.7
72.5°	10.9	10.9	10.9	10.7	10.0	9.4	8.7
70°	10.9	10.9	10.9	10.9	10.2	9.5	8.7
67.5°	10.9	10.9	10.9	10.9	10.4	9.5	8.7
65°	10.9	10.9	10.9	10.9	10.6	9.6	8.7
62.5°	10.9	10.9	10.9	10.9	10.7	9.7	8.7
60°	10.9	10.9	10.9	10.9	10.9	9.8	8.7
57.5°	10.9	10.9	10.9	10.9	10.9	9.9	8.7
55°	10.9	10.9	10.9	10.9	10.9	10.0	8.7
52.5°	10.9	10.9	10.9	10.9	10.9	10.0	8.7
50°	10.9	10.9	10.9	10.9	10.9	10.1	8.7
47.5°	10.9	10.9	10.9	10.9	10.9	10.2	8.7
45°	11.1	10.9	10.9	10.9	10.9	10.3	8.7
42.5°	11.3	10.9	10.9	10.9	10.9	10.3	8.7
40°	11.6	10.9	10.9	10.9	10.9	10.4	8.7
37.5°	11.8	10.9	10.9	10.9	10.9	10.4	8.7
35°	12.1	11.0	10.9	10.9	10.9	10.5	8.7
32.5°	12.4	11.3	10.9	10.9	10.9	10.6	8.7
30°	12.5	11.5	10.9	10.9	10.9	10.6	8.7
27.5°	12.6	11.8	10.9	10.9	10.9	10.7	8.7
25°	12.8	12.0	10.9	10.9	10.9	10.7	8.7
22.5°	12.9	12.3	10.9	10.9	10.9	10.7	8.7
20°	13.0	12.4	10.9	10.9	10.9	10.8	8.7
17.5°	13.2	12.6	10.9	10.9	10.9	10.8	8.7
15°	13.5	12.7	10.9	10.9	10.9	10.8	8.7
12.5°	13.7	12.8	10.9	10.9	10.9	10.8	8.7
10°	14.0	12.9	10.9	10.9	10.9	10.9	8.7
7.5°	14.3	13.0	10.9	10.9	10.9	10.9	8.7
5°	14.7	13.1	10.9	10.9	10.9	10.9	8.7
2.5°	15.0	13.1	10.9	10.9	10.9	10.9	8.7
0°	15.3	13.1	10.9	10.9	10.9	10.9	8.7
-2.5°	16.7	13.3	10.9	10.9	10.9	10.9	8.7
-5°	18.1	13.5	10.9	10.9	10.9	10.9	8.7
-7.5°	19.4	13.7	10.9	10.9	10.9	10.9	8.7
-10°	20.5	13.8	10.9	10.9	10.9	10.9	8.7
-12.5°	21.4	13.9	10.9	10.9	10.9	10.9	8.7
-15°	22.0	13.9	10.9	10.9	10.9	10.8	8.7
-17.5°	22.4	13.9	10.9	10.9	10.9	10.8	8.7
-20°	22.8	13.8	10.9	10.9	10.9	10.8	8.7



REPORT NUMBER: P731704 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.3	13.6	10.9	10.9	10.9	10.8	8.7
-25°	23.4	13.6	10.9	10.9	10.9	10.7	8.7
-27.5°	23.0	13.5	10.9	10.9	10.9	10.7	8.7
-30°	22.2	13.4	10.9	10.9	10.9	10.7	8.7
-32.5°	20.9	13.0	11.1	10.9	10.9	10.6	8.7
-35°	20.1	12.5	11.2	10.9	10.9	10.6	8.7
-37.5°	19.4	12.1	11.4	10.9	10.9	10.6	8.7
-40°	18.5	12.3	11.5	10.9	10.9	10.6	8.7
-42.5°	17.3	12.4	11.7	10.9	10.9	10.5	8.7
-45°	15.7	12.6	11.7	11.0	10.9	10.5	8.7
-47.5°	13.9	12.8	11.8	11.0	10.9	10.4	8.7
-50°	13.8	12.9	11.8	11.1	10.9	10.4	8.7
-52.5°	14.0	13.1	11.8	11.1	10.9	10.4	8.7
-55°	14.1	13.1	11.8	11.1	10.9	10.3	8.7
-57.5°	14.3	13.0	11.8	11.1	10.9	10.3	8.7
-60°	14.4	12.8	11.7	11.1	10.9	10.3	8.7
-62.5°	14.1	12.6	11.6	11.0	10.9	10.2	8.7
-65°	13.8	12.4	11.5	11.0	10.9	10.2	8.7
-67.5°	13.4	12.2	11.4	11.0	10.9	10.2	8.7
-70°	13.0	11.9	11.3	10.9	10.9	10.1	8.7
-72.5°	12.5	11.7	11.1	10.9	10.9	10.1	8.7
-75°	12.0	11.3	10.9	10.8	10.9	10.1	8.7
-77.5°	11.5	11.0	10.8	10.7	10.9	10.0	8.7
-80°	11.0	10.7	10.6	10.6	10.9	10.0	8.7
-82.5°	10.4	10.3	10.4	10.6	10.9	9.9	8.7
-85°	9.8	10.0	10.2	10.5	10.9	9.9	8.7
-87.5°	9.3	9.6	10.0	10.4	10.9	9.8	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

