

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: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-4S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731560 (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-08-0530N-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

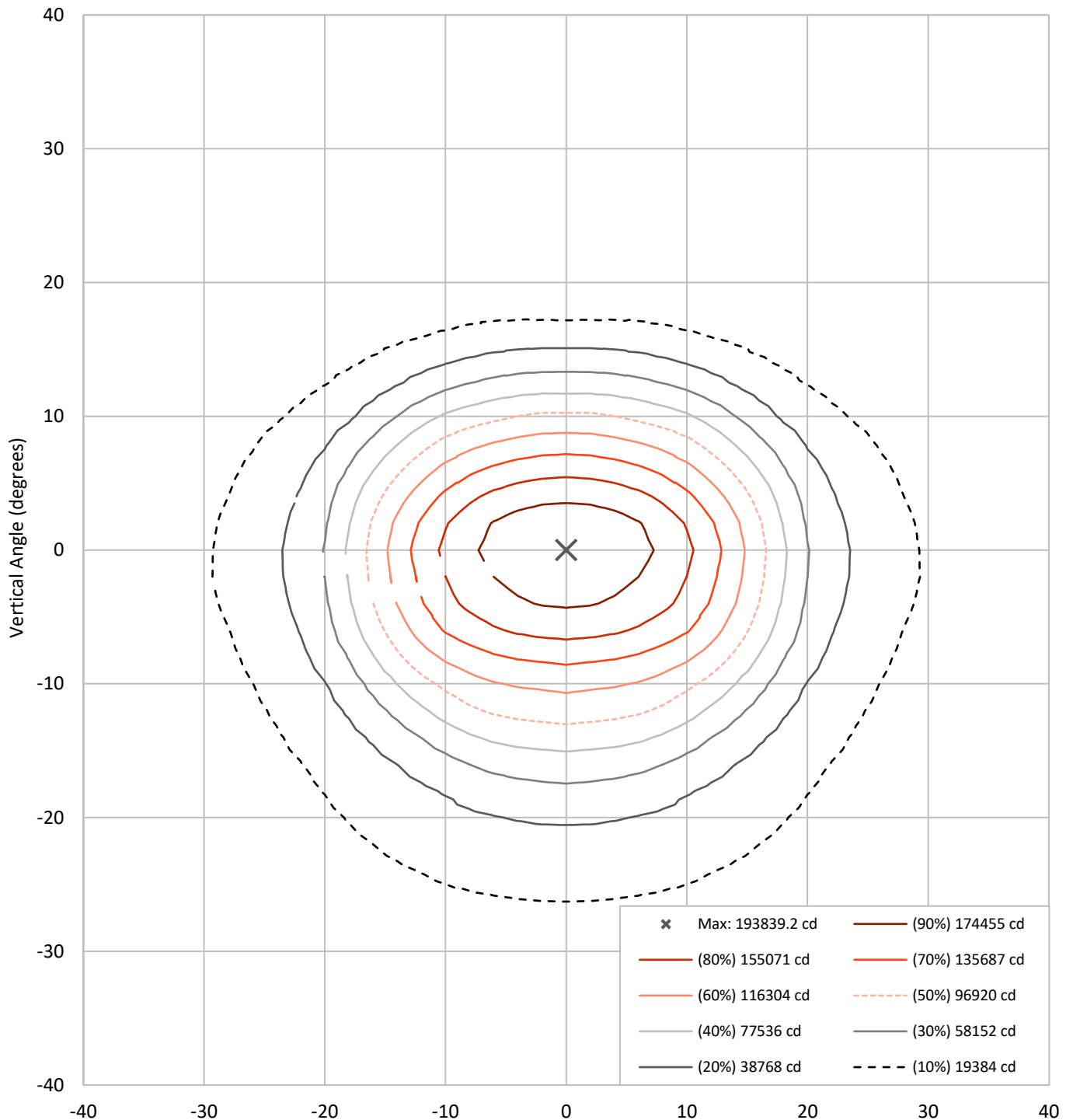
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	51170.1 lumens	Max Intensity:	193839.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.4 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:	25890.4 lumens	Field Lumens:	44129.8 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 559.9  
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-08-0530N-57-70-4S-CV5

### Iso-Candela Plot





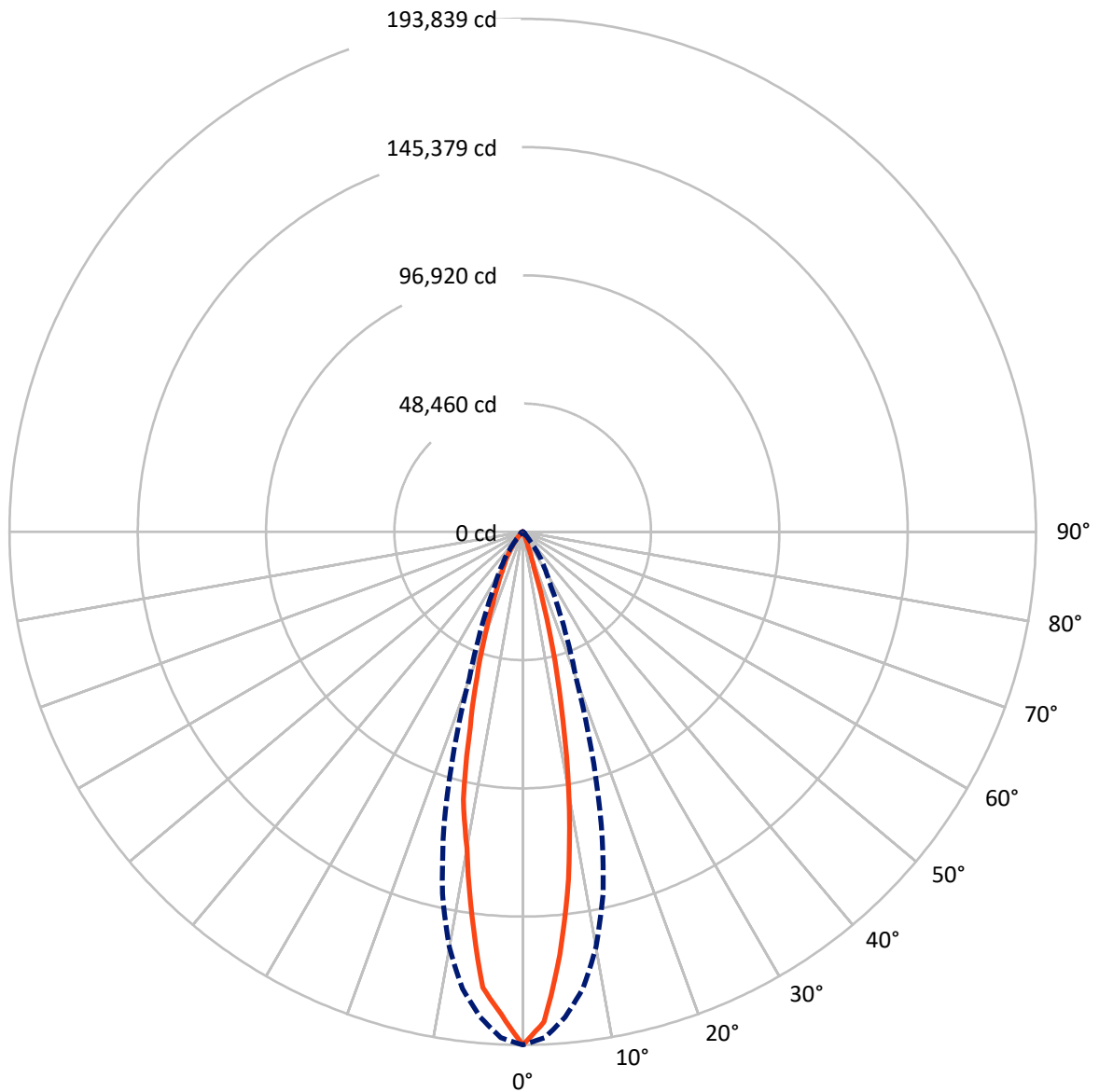
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### Lumen Table

90	0.2		0.5		0.7		0.7		0.5		0.7		0.7		0.5		0.2	
80	0.2		0.1	0.2	0.4	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.4	0.2	0.1	0.2	
70	0.2		0.1	0.3	0.8	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.7	0.8	0.3	0.1	0.2	
60	0.2		0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.2	
50	0.2		0.2	0.5	0.7	1.1	2.2	4.0	5.9	5.9	4.0	2.2	1.1	0.7	0.5	0.2	0.2	
40	0.2		0.3	1.4	2.9	7.7	21.4	44.2	73.4	73.4	44.2	21.4	7.7	2.9	1.4	0.3	0.2	
30	0.2		0.9	4.4	11.6	69.1	215.8	657.4	1228.8	1228.8	657.4	215.8	69.1	11.6	4.4	0.9	0.2	
20	0.3		1.6	8.9	29.1	214.3	755.2	2614.4	4449.0	4449.0	2614.4	755.2	214.3	29.1	8.9	1.6	0.3	
10	0.3		2.2	11.0	35.0	238.8	833.2	2879.6	4727.2	4727.2	2879.6	833.2	238.8	35.0	11.0	2.2	0.3	
0	0.4		2.4	9.7	24.6	141.5	459.2	1274.4	2239.6	2239.6	1274.4	459.2	141.5	24.6	9.7	2.4	0.4	
-10	0.4		2.3	8.2	16.4	59.2	229.5	473.1	688.9	688.9	473.1	229.5	59.2	16.4	8.2	2.3	0.4	
-20	0.4		1.9	6.9	12.8	24.0	71.5	162.3	230.3	230.3	162.3	71.5	24.0	12.8	6.9	1.9	0.4	
-30	0.4		1.2	4.9	10.5	17.1	25.6	37.0	48.5	48.5	37.0	25.6	17.1	10.5	4.9	1.2	0.4	
-40	0.2		0.6	2.5	6.7	12.1	16.8	20.7	23.2	23.2	20.7	16.8	12.1	6.7	2.5	0.6	0.2	
-50	0.2		0.3	0.9	2.5	5.0	8.1	10.9	12.6	12.6	10.9	8.1	5.0	2.5	0.9	0.3	0.2	
-60	0.2		0.7		2.4		6.3		9.0		6.3		2.4		0.7		0.2	
-70	0.2		0.7		2.4		6.3		9.0		6.3		2.4		0.7		0.2	
-80	0.2		0.7		2.4		6.3		9.0		6.3		2.4		0.7		0.2	
-90	0.2		0.7		2.4		6.3		9.0		6.3		2.4		0.7		0.2	

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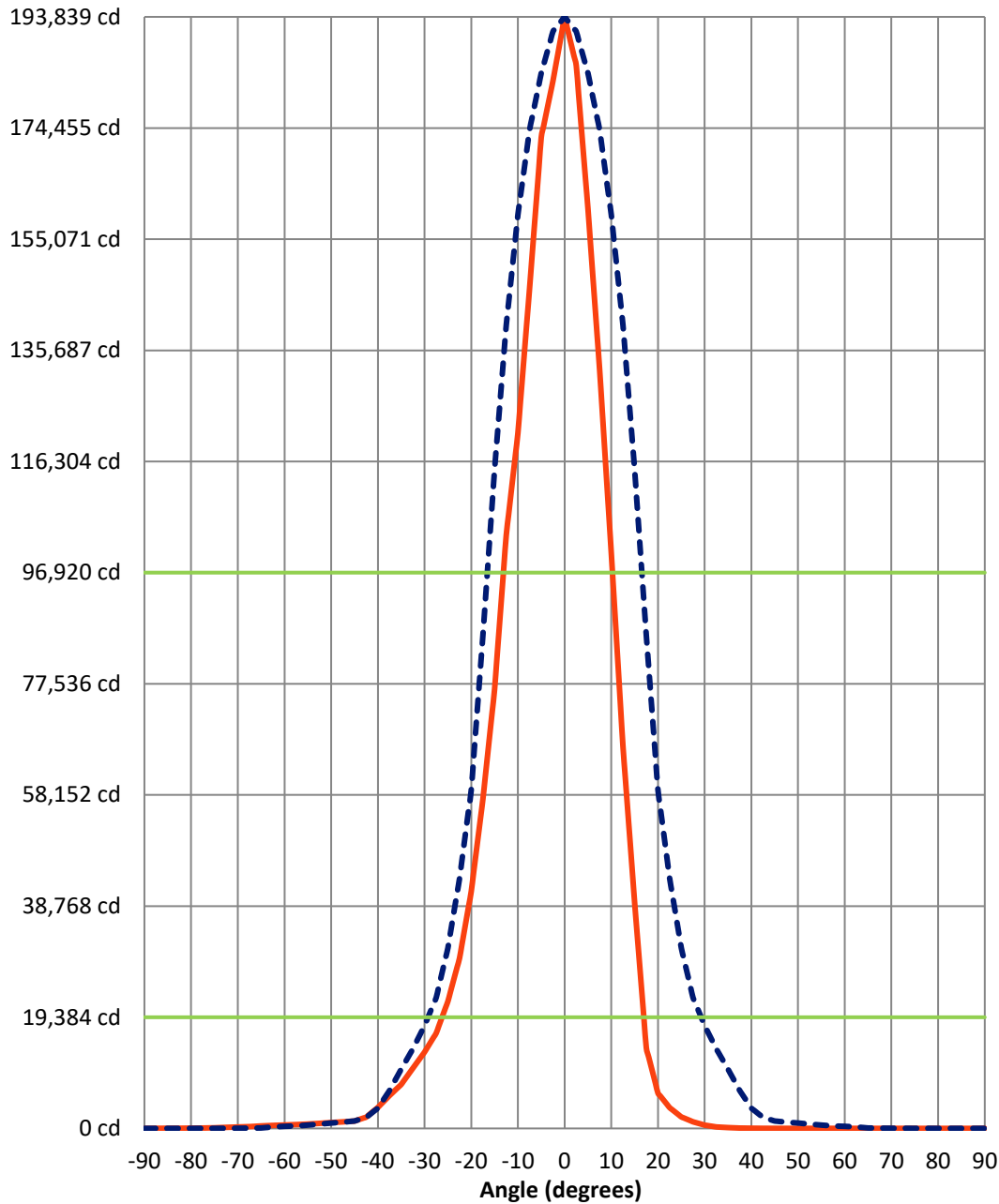
### Luminous Intensity Polar Plot



— 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: 25890.4  
 Efficiency: 50.6%

**Field:**  
 H Angle: 58.5°  
 V Angle: 43.2°  
 Lumens: 44129.8  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 7040.3  
 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°	7.1	7.9	8.8	8.4	8.0	7.5	7.1	7.5	8.0	8.4	8.8
87.5°	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.5	7.4	7.3	7.1
85°	7.1	7.2	7.4	7.5	7.7	7.8	8.0	7.9	7.7	7.4	7.1
82.5°	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.3	8.0	7.7	7.6
80°	7.1	7.4	7.7	8.0	8.3	8.6	8.8	8.5	8.3	8.2	8.3
77.5°	7.1	7.5	7.8	8.2	8.6	8.8	8.8	8.6	8.6	8.7	8.8
75°	7.1	7.5	8.0	8.4	8.8	8.8	8.8	8.7	8.8	8.8	8.8
72.5°	7.1	7.6	8.1	8.6	8.8	8.8	8.8	8.8	8.8	8.8	8.8
70°	7.1	7.7	8.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
67.5°	7.1	7.8	8.4	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
65°	7.1	7.8	8.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
62.5°	7.1	7.9	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
60°	7.1	7.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
57.5°	7.1	8.0	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
55°	7.1	8.1	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
52.5°	7.1	8.1	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
50°	7.1	8.2	8.8	8.8	8.8	8.8	8.8	8.9	8.8	8.8	9.6
47.5°	7.1	8.2	8.8	8.8	8.8	8.8	8.8	9.0	8.8	8.8	10.4
45°	7.1	8.3	8.8	8.8	8.8	8.8	9.0	9.2	8.9	9.4	11.1
42.5°	7.1	8.4	8.8	8.8	8.8	8.8	9.1	9.3	9.0	9.9	11.5
40°	7.1	8.4	8.8	8.8	8.8	8.8	9.3	9.4	9.3	10.3	11.9
37.5°	7.1	8.4	8.8	8.8	8.8	8.8	9.6	9.5	9.8	10.9	12.3
35°	7.1	8.5	8.8	8.8	8.8	8.9	9.8	9.7	10.3	11.7	12.6
32.5°	7.1	8.5	8.8	8.8	8.8	9.1	10.0	9.8	10.8	12.7	13.8
30°	7.1	8.6	8.8	8.8	8.8	9.3	10.1	10.0	11.2	13.8	15.3
27.5°	7.1	8.6	8.8	8.8	8.8	9.5	10.2	10.3	11.9	15.1	17.0
25°	7.1	8.6	8.8	8.8	8.8	9.7	10.3	10.7	12.9	16.5	19.0
22.5°	7.1	8.7	8.8	8.8	8.8	9.9	10.4	11.1	13.9	18.0	22.7
20°	7.1	8.7	8.8	8.8	8.8	10.0	10.6	11.4	15.0	19.6	26.7
17.5°	7.1	8.7	8.8	8.8	8.8	10.2	10.7	11.7	16.1	21.3	30.8
15°	7.1	8.7	8.8	8.8	8.8	10.3	10.9	12.3	17.3	23.0	35.1
12.5°	7.1	8.8	8.8	8.8	8.8	10.4	11.1	13.1	18.9	24.8	39.4
10°	7.1	8.8	8.8	8.8	8.8	10.5	11.4	14.0	20.9	28.4	45.0
7.5°	7.1	8.8	8.8	8.8	8.8	10.5	11.6	15.0	22.9	32.4	53.5
5°	7.1	8.8	8.8	8.8	8.8	10.6	11.9	15.9	24.8	36.4	61.9
2.5°	7.1	8.8	8.8	8.8	8.8	10.6	12.1	16.8	26.6	40.4	70.1
0°	7.1	8.8	8.8	8.8	8.8	10.6	12.4	17.7	28.3	44.2	77.8
-2.5°	7.1	8.8	8.8	8.8	8.8	10.8	13.6	20.2	33.3	53.5	91.8
-5°	7.1	8.8	8.8	8.8	8.8	11.0	14.7	22.5	38.1	62.4	104.9
-7.5°	7.1	8.8	8.8	8.8	8.8	11.1	15.7	24.7	42.5	70.5	116.8
-10°	7.1	8.8	8.8	8.8	8.8	11.2	16.6	26.6	46.3	77.7	127.3
-12.5°	7.1	8.8	8.8	8.8	8.8	11.3	17.3	28.3	49.5	83.8	136.5
-15°	7.1	8.7	8.8	8.8	8.8	11.3	17.8	29.6	52.5	89.8	144.2
-17.5°	7.1	8.7	8.8	8.8	8.8	11.2	18.2	31.0	55.3	94.3	149.9
-20°	7.1	8.7	8.8	8.8	8.8	11.1	18.5	32.4	57.1	97.2	153.5



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	7.1	8.7	8.8	8.8	8.8	11.0	18.9	33.3	57.8	98.5	154.9
-25°	7.1	8.7	8.8	8.8	8.8	11.0	19.0	33.8	57.2	98.0	153.8
-27.5°	7.1	8.7	8.8	8.8	8.8	11.0	18.7	33.7	55.2	96.3	152.9
-30°	7.1	8.6	8.8	8.8	8.8	10.8	18.0	33.1	54.0	94.1	149.6
-32.5°	7.1	8.6	8.8	8.8	8.9	10.5	17.0	32.3	53.2	89.9	143.8
-35°	7.1	8.6	8.8	8.8	9.1	10.1	16.3	31.0	51.6	83.9	135.4
-37.5°	7.1	8.6	8.8	8.8	9.2	9.8	15.8	29.1	49.3	76.0	122.0
-40°	7.1	8.5	8.8	8.8	9.3	9.9	15.0	26.6	46.1	70.9	108.6
-42.5°	7.1	8.5	8.8	8.8	9.4	10.1	14.0	23.6	42.5	65.0	94.2
-45°	7.1	8.5	8.8	8.9	9.5	10.2	12.7	20.9	38.3	58.2	79.9
-47.5°	7.1	8.5	8.8	8.9	9.5	10.3	11.3	19.1	33.3	50.7	71.5
-50°	7.1	8.4	8.8	8.9	9.6	10.5	11.2	17.0	26.9	43.4	62.2
-52.5°	7.1	8.4	8.8	8.9	9.6	10.6	11.3	14.6	22.6	35.6	52.3
-55°	7.1	8.4	8.8	8.9	9.5	10.6	11.5	12.2	19.3	27.4	42.9
-57.5°	7.1	8.3	8.8	8.9	9.5	10.5	11.6	12.4	16.0	22.6	32.9
-60°	7.1	8.3	8.8	8.9	9.5	10.4	11.7	12.4	13.2	18.8	24.6
-62.5°	7.1	8.3	8.8	8.9	9.4	10.2	11.4	12.4	13.0	15.0	20.6
-65°	7.1	8.3	8.8	8.9	9.3	10.1	11.2	12.3	12.8	13.8	16.4
-67.5°	7.1	8.2	8.8	8.9	9.2	9.9	10.8	11.8	12.4	13.2	14.5
-70°	7.1	8.2	8.8	8.8	9.1	9.7	10.5	11.3	11.8	12.4	13.4
-72.5°	7.1	8.2	8.8	8.8	9.0	9.4	10.1	10.7	11.3	11.8	12.3
-75°	7.1	8.1	8.8	8.7	8.8	9.2	9.7	10.2	10.7	11.1	11.5
-77.5°	7.1	8.1	8.8	8.7	8.7	8.9	9.3	9.7	10.1	10.4	10.8
-80°	7.1	8.1	8.8	8.6	8.5	8.6	8.9	9.2	9.5	9.7	10.0
-82.5°	7.1	8.1	8.8	8.5	8.4	8.4	8.4	8.7	8.8	9.1	9.3
-85°	7.1	8.0	8.8	8.5	8.2	8.1	8.0	8.3	8.5	8.7	8.8
-87.5°	7.1	8.0	8.8	8.4	8.1	7.8	7.5	7.9	8.2	8.5	8.8
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1





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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.4	8.0	7.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.7	6.2	5.8
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.9	6.7	6.5
82.5°	7.6	7.5	7.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	8.2	8.0	7.6	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	8.5	8.1	7.6	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	8.5	8.1	7.7	7.3	7.1	7.1	7.1	7.5	7.7	7.7	7.5
72.5°	8.6	8.1	7.7	7.3	7.5	7.9	8.3	8.6	9.0	9.3	9.6
70°	8.6	8.2	8.0	8.1	8.5	9.0	9.8	10.8	11.7	12.4	13.5
67.5°	8.7	8.5	8.6	8.9	9.5	10.4	11.5	13.9	16.3	17.7	19.1
65°	8.8	8.7	9.0	9.6	10.5	12.7	15.4	18.2	22.6	25.1	26.2
62.5°	8.8	8.9	9.4	10.7	13.2	16.0	19.6	24.4	30.4	34.4	34.6
60°	8.8	9.0	10.5	13.0	15.8	19.3	24.0	30.7	39.4	45.9	41.8
57.5°	8.8	9.9	12.3	15.0	18.1	22.0	28.3	36.7	45.0	53.7	46.1
55°	9.3	11.3	13.8	16.4	19.9	24.2	30.7	37.9	46.9	49.5	40.8
52.5°	10.5	12.5	14.5	17.5	21.4	25.2	29.3	35.5	38.4	38.9	32.4
50°	11.5	13.0	15.0	18.3	22.0	24.7	25.7	29.3	29.5	26.7	23.2
47.5°	12.2	13.6	15.2	18.7	22.1	23.7	23.2	22.4	20.5	18.9	14.7
45°	12.6	14.1	15.6	19.1	21.9	22.5	20.4	16.2	16.8	15.0	13.9
42.5°	13.1	14.6	17.0	19.7	21.5	21.3	18.4	17.1	15.9	15.6	15.2
40°	13.5	15.1	18.7	21.1	21.5	20.9	20.9	20.0	17.2	18.4	18.6
37.5°	13.9	16.8	21.1	24.6	22.2	23.4	25.0	25.4	24.0	23.4	25.8
35°	14.2	18.7	25.8	29.7	27.5	28.3	31.7	33.1	33.5	33.3	35.1
32.5°	15.4	20.7	32.0	35.8	36.9	37.5	39.8	43.2	47.1	48.8	46.7
30°	17.9	26.5	39.2	43.3	47.9	54.5	53.0	55.7	64.3	67.9	71.1
27.5°	21.9	34.0	46.4	53.4	61.6	76.6	82.0	76.6	84.0	91.0	101.6
25°	26.6	53.1	54.4	64.9	83.3	106.0	120.4	126.6	110.2	122.4	150.9
22.5°	36.8	78.1	83.1	77.1	108.4	141.8	170.3	185.6	183.7	171.7	210.1
20°	55.1	103.3	116.7	119.2	143.1	183.0	227.4	253.4	277.9	320.7	433.0
17.5°	76.4	131.3	152.4	173.8	217.1	252.5	290.6	329.1	387.3	514.5	895.6
15°	100.1	161.4	189.6	233.0	297.5	356.9	403.3	437.8	540.6	807.2	1481.2
12.5°	125.4	193.2	228.1	295.8	382.3	466.6	532.3	602.0	775.0	1299.2	2412.2
10°	151.4	225.9	267.3	360.6	469.9	579.8	665.0	769.8	1040.2	1856.1	3428.4
7.5°	180.2	260.8	307.2	426.2	558.5	694.5	799.5	939.0	1310.9	2419.0	4451.0
5°	208.2	297.3	349.7	482.8	633.1	795.3	925.0	1106.2	1578.7	2964.5	5444.6
2.5°	233.9	332.7	391.3	534.5	695.8	871.9	1010.7	1206.3	1764.2	3322.9	6176.1
0°	256.5	366.1	431.6	581.9	753.5	942.7	1091.3	1298.3	1913.8	3539.2	6613.3
-2.5°	265.1	379.0	448.1	593.9	761.6	954.8	1106.1	1306.3	1959.7	3626.9	6677.7
-5°	270.0	388.9	462.6	601.8	764.3	959.4	1114.8	1306.1	1948.2	3550.9	6363.8
-7.5°	271.5	395.6	474.9	602.8	749.9	928.7	1071.3	1237.6	1794.7	3237.0	5687.1
-10°	269.9	394.6	471.2	580.6	712.4	874.5	1012.8	1162.7	1617.6	2843.2	4934.5
-12.5°	265.0	387.4	464.2	557.1	673.6	816.4	951.5	1082.8	1421.0	2374.5	4159.4
-15°	258.4	378.8	456.8	533.2	634.6	755.3	888.2	999.0	1216.4	1874.3	3390.0
-17.5°	250.5	369.3	449.5	509.8	596.4	692.1	826.3	929.1	1065.5	1555.5	2770.9
-20°	241.8	359.3	442.5	487.5	560.8	644.1	766.8	871.2	986.5	1304.1	2107.1



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	232.7	349.0	432.4	475.1	537.4	611.1	706.8	809.9	906.3	1026.7	1543.5
-25°	228.1	333.9	417.4	466.7	515.6	579.0	649.0	745.6	831.7	947.3	1245.6
-27.5°	225.9	319.8	399.6	457.2	494.2	549.8	607.7	682.4	780.8	883.1	991.2
-30°	220.7	298.8	381.4	444.0	480.7	525.9	574.4	637.9	732.0	826.3	921.8
-32.5°	207.7	276.5	357.9	422.9	468.3	503.4	550.5	608.7	684.3	770.9	856.7
-35°	191.0	257.0	331.3	401.8	454.1	488.2	531.0	581.0	640.2	717.8	809.5
-37.5°	174.3	235.3	303.5	376.6	431.3	476.2	510.4	555.8	607.2	668.8	758.9
-40°	155.6	211.5	276.8	345.3	409.4	458.7	496.7	531.1	575.5	636.0	700.5
-42.5°	135.5	188.8	248.6	312.7	376.5	433.0	481.2	513.6	551.3	603.7	662.6
-45°	118.6	164.0	218.6	277.7	337.8	400.0	451.3	498.4	532.8	572.6	625.0
-47.5°	100.6	139.1	188.8	240.5	297.0	355.4	415.4	465.3	513.8	550.1	587.2
-50°	83.8	118.2	156.4	204.4	254.3	308.6	364.5	423.7	474.6	521.6	562.0
-52.5°	72.4	96.4	130.1	168.0	212.8	260.0	312.4	366.7	422.7	476.0	518.0
-55°	60.1	80.4	104.3	136.4	172.5	214.0	259.0	309.0	358.4	410.6	458.5
-57.5°	48.2	65.7	84.2	106.8	137.2	169.6	209.4	250.9	296.2	340.9	379.0
-60°	36.5	51.6	68.1	84.9	103.6	131.9	160.8	195.9	234.3	271.4	304.9
-62.5°	25.7	38.1	52.5	67.5	82.6	97.3	120.5	146.7	172.9	204.3	233.6
-65°	21.3	26.6	37.1	50.4	64.0	77.7	91.0	103.9	125.7	147.8	168.4
-67.5°	16.9	21.6	26.5	33.0	45.0	57.2	69.8	81.7	93.2	104.3	117.2
-70°	15.0	16.9	20.8	25.2	29.7	35.8	46.5	57.5	68.9	80.2	90.1
-72.5°	13.6	15.4	17.2	18.9	22.6	26.4	30.2	33.8	40.9	50.7	60.6
-75°	12.4	13.8	15.4	17.1	18.6	20.2	22.1	25.4	28.6	31.9	35.3
-77.5°	11.3	12.2	13.4	14.9	16.3	17.5	18.9	20.3	21.8	23.4	25.1
-80°	10.3	10.6	11.2	12.1	13.2	14.4	15.6	16.7	17.7	18.9	20.1
-82.5°	9.5	9.7	9.9	10.1	10.6	11.3	12.0	13.0	13.6	14.2	14.9
-85°	8.8	8.8	8.9	9.1	9.3	9.6	9.9	10.3	10.5	10.7	10.9
-87.5°	8.6	8.4	8.2	8.1	8.1	8.2	8.2	8.3	8.4	8.4	8.4
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.7	6.2	5.8



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.1	8.0	8.8	9.7	10.6	11.5	12.3	13.2	14.1	15.0	15.9
87.5°	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5	3.1	2.7
85°	6.5	6.2	6.0	5.7	5.3	4.9	4.4	4.0	3.5	3.1	2.7
82.5°	7.1	6.7	6.2	5.8	5.3	4.9	4.4	4.0	3.5	3.1	2.7
80°	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.5	3.1	2.7
77.5°	7.1	6.8	6.3	5.9	5.4	4.9	4.5	4.0	3.6	3.5	3.4
75°	7.2	7.0	6.9	6.6	6.3	5.9	5.7	5.3	5.0	4.7	4.4
72.5°	9.8	9.8	9.5	9.3	8.7	8.3	7.9	7.5	6.9	6.4	6.1
70°	14.5	15.1	14.6	13.6	12.1	10.8	10.1	9.4	8.6	7.9	7.1
67.5°	20.2	20.1	18.7	16.9	14.4	12.1	11.1	10.2	9.2	8.7	8.6
65°	26.1	24.4	21.9	18.9	15.5	12.2	11.3	10.3	9.3	8.8	8.8
62.5°	32.7	27.2	21.9	18.1	15.0	12.2	10.9	9.7	8.4	7.6	7.4
60°	35.1	26.0	18.8	15.6	13.0	10.9	9.5	8.5	7.6	7.1	7.1
57.5°	34.0	23.2	15.1	12.5	10.6	9.2	8.3	7.5	6.6	5.9	5.7
55°	29.0	19.0	11.4	9.7	8.7	7.8	6.9	6.4	5.9	5.3	5.3
52.5°	21.3	14.5	10.1	8.5	8.0	7.5	7.0	6.8	6.7	6.5	6.3
50°	15.6	11.2	9.7	8.7	8.3	8.3	8.6	8.6	8.4	8.2	8.0
47.5°	12.7	11.0	9.9	8.9	9.1	10.0	10.3	10.4	10.2	10.0	9.8
45°	12.3	11.3	10.8	11.4	11.9	12.4	12.4	12.2	12.7	12.9	12.6
42.5°	13.6	13.7	14.7	15.6	15.0	16.0	17.1	17.0	17.8	18.4	18.4
40°	19.0	18.6	21.3	22.1	22.5	23.6	26.6	26.2	27.6	31.3	32.0
37.5°	27.3	28.8	30.7	32.4	37.1	40.1	46.0	50.7	53.2	60.4	65.9
35°	38.5	42.4	43.5	52.8	62.5	71.6	79.8	89.8	94.1	109.8	120.8
32.5°	54.6	62.5	73.2	88.8	107.1	128.9	127.9	161.1	173.1	205.4	242.6
30°	76.4	98.6	133.9	158.4	203.4	238.8	256.6	308.4	378.0	444.5	535.0
27.5°	124.1	170.9	234.9	319.1	363.0	416.4	497.0	558.9	717.7	869.4	980.8
25°	213.5	311.7	432.3	556.8	634.8	704.7	852.1	960.2	1185.3	1354.4	1595.4
22.5°	408.4	618.1	770.8	863.2	1030.5	1249.2	1355.5	1652.8	1986.6	2412.8	2764.9
20°	688.1	1018.1	1358.4	1566.1	1757.1	2240.1	2451.7	3008.7	3718.3	4520.2	5188.7
17.5°	1346.5	1648.0	2340.6	3015.5	3523.2	4000.0	5338.2	6294.1	8149.3	10420.0	11467.3
15°	2416.1	3258.9	4067.1	5291.3	6586.8	8028.2	10128.0	13753.5	18307.0	23272.3	28643.0
12.5°	3916.9	5455.4	6901.2	8442.1	10296.7	13838.3	18626.1	24958.1	33139.9	41918.3	52054.2
10°	5602.9	7944.4	10056.1	12382.6	15675.7	20937.1	28033.6	37801.7	52372.3	67266.1	80185.1
7.5°	7112.8	9948.5	12813.0	16180.4	21400.4	28914.9	39124.7	54376.1	73403.9	91835.2	107550.8
5°	8559.7	11872.4	15137.3	19150.9	25729.7	35536.9	48750.2	69673.6	93728.0	114178.9	131402.5
2.5°	9687.1	13377.7	17114.0	21834.4	29340.2	40498.7	55506.4	80831.2	109863.9	132544.9	152239.1
0°	10332.9	13872.2	17927.9	22818.4	31455.2	43609.9	59001.5	85967.6	114881.1	140086.5	159333.0
-2.5°	10206.5	13915.1	18061.4	23008.9	31195.2	42864.8	58037.5	83761.2	112539.0	135261.4	153910.8
-5°	9562.2	12955.2	16610.8	20951.4	28174.8	38808.1	53705.6	77878.9	104586.4	127314.1	146268.4
-7.5°	8557.4	11557.9	14740.2	18518.2	24627.2	33879.7	46685.1	65507.0	89169.9	109754.1	123960.7
-10°	7460.8	10100.9	12972.7	16391.6	21210.0	28463.4	38165.9	51762.3	71115.7	88267.9	101445.6
-12.5°	6421.0	8821.2	11319.3	14174.2	17821.2	23534.2	30908.3	41059.2	53534.8	67634.2	81094.5
-15°	5423.8	7531.6	9711.5	12354.2	15525.8	19401.9	24359.2	31188.9	39385.3	48626.3	58595.1
-17.5°	4474.6	6325.3	8376.3	10683.8	13304.7	16266.0	20423.6	25106.9	30310.3	36331.5	42040.1
-20°	3510.4	5220.5	7081.6	9135.8	11487.2	14186.9	17145.3	20663.2	24427.7	28541.6	32812.1



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2679.2	4136.4	5764.7	7635.0	9842.6	12222.3	14517.0	16826.1	19611.1	22324.3	25049.3
-25°	1876.2	3031.7	4552.1	6339.9	8214.4	10203.3	11906.4	13533.9	15468.0	17207.5	19018.9
-27.5°	1379.9	2173.8	3431.1	5016.7	6697.8	8062.0	9495.9	10830.9	12231.4	13335.4	14611.3
-30°	1052.2	1509.3	2443.6	3680.5	5029.3	6218.0	7324.6	8533.5	9685.0	10643.5	11445.7
-32.5°	959.7	1133.8	1606.8	2468.3	3443.4	4498.1	5455.5	6507.9	7473.8	8271.0	8909.6
-35°	901.9	996.4	1134.2	1569.1	2140.8	2973.6	3772.5	4634.3	5435.0	6092.6	6621.4
-37.5°	852.6	935.5	1016.8	1098.5	1413.5	1764.7	2341.3	2965.1	3506.0	4107.3	4576.8
-40°	791.4	884.4	950.2	1017.3	1093.0	1180.9	1485.1	1758.3	2064.1	2488.7	2840.2
-42.5°	724.2	802.8	884.7	950.5	1008.7	1070.7	1139.7	1207.9	1348.6	1527.1	1672.4
-45°	680.1	731.9	791.4	866.1	934.2	985.9	1037.1	1086.7	1133.7	1175.9	1211.3
-47.5°	632.6	676.6	724.8	776.1	826.6	884.0	937.9	982.9	1018.5	1052.6	1083.0
-50°	590.3	622.8	663.6	703.5	743.2	783.9	824.1	858.9	893.3	924.3	954.6
-52.5°	556.1	583.5	610.3	637.0	669.3	700.8	730.5	757.2	781.6	802.8	825.2
-55°	498.5	533.0	567.2	591.0	611.4	631.2	650.7	672.9	692.3	708.9	724.5
-57.5°	420.3	462.0	500.1	528.1	554.5	579.3	596.6	609.3	621.6	633.3	643.9
-60°	337.3	368.6	405.1	440.9	473.9	503.8	523.1	539.6	553.4	565.1	575.4
-62.5°	260.7	287.5	317.3	346.1	372.8	399.1	424.7	447.0	466.2	482.4	495.7
-65°	189.9	213.3	238.7	263.1	286.6	309.7	330.9	350.3	367.7	383.3	397.8
-67.5°	135.2	152.4	170.7	187.3	206.0	226.2	246.3	264.2	280.1	292.7	302.1
-70°	99.4	109.1	121.2	135.5	151.0	165.5	179.9	193.7	206.9	218.2	228.4
-72.5°	70.7	80.7	90.4	99.3	108.9	118.4	128.2	138.4	148.8	157.5	165.1
-75°	38.7	43.8	51.9	59.8	67.5	74.8	81.3	87.0	92.0	96.1	99.6
-77.5°	27.5	30.8	34.2	37.5	40.7	44.5	48.6	52.6	56.6	59.8	62.8
-80°	21.3	23.1	25.1	27.2	29.4	32.0	34.8	37.5	40.3	42.3	44.1
-82.5°	15.6	16.9	18.3	19.6	20.9	22.6	24.3	25.9	27.5	28.6	29.7
-85°	11.1	12.0	12.9	13.9	14.9	16.4	17.9	19.3	20.8	21.8	22.8
-87.5°	8.5	9.0	9.6	10.1	10.6	11.9	13.2	14.5	15.8	16.3	16.8
-90°	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5	3.1	2.7



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-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°	16.8	17.7	17.7	17.7	17.7	17.7	16.8	15.9	15.0	14.1	13.2
87.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	4.0
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	4.0
82.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	4.0
80°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	4.0
77.5°	3.4	3.5	2.7	1.8	2.7	3.5	3.4	3.4	3.5	3.6	4.0
75°	4.0	3.5	2.7	1.8	2.7	3.5	4.0	4.4	4.7	5.0	5.3
72.5°	5.7	5.3	5.3	5.3	5.3	5.3	5.7	6.1	6.4	6.9	7.5
70°	6.3	5.4	5.3	5.3	5.3	5.4	6.3	7.1	7.9	8.6	9.4
67.5°	8.6	8.7	8.8	8.8	8.8	8.7	8.6	8.6	8.7	9.2	10.2
65°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.3	10.3
62.5°	7.3	7.2	7.1	7.1	7.1	7.2	7.3	7.4	7.6	8.4	9.7
60°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.6	8.5
57.5°	5.5	5.4	5.3	5.3	5.3	5.4	5.5	5.7	5.9	6.6	7.5
55°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.9	6.4
52.5°	6.0	5.5	5.3	5.3	5.3	5.5	6.0	6.3	6.5	6.7	6.8
50°	7.6	7.2	7.1	7.1	7.1	7.2	7.6	8.0	8.2	8.4	8.6
47.5°	9.4	9.0	8.8	8.8	8.8	9.0	9.4	9.8	10.0	10.2	10.4
45°	12.0	11.1	10.6	10.6	10.6	11.1	12.0	12.6	12.9	12.7	12.2
42.5°	18.3	17.9	17.5	17.7	17.5	17.9	18.3	18.4	18.4	17.8	17.0
40°	33.6	34.5	34.9	35.4	34.9	34.5	33.6	32.0	31.3	27.6	26.2
37.5°	68.9	67.6	64.5	65.4	64.5	67.6	68.9	65.9	60.4	53.2	50.7
35°	128.0	135.6	141.1	145.0	141.1	135.6	128.0	120.8	109.8	94.1	89.8
32.5°	256.3	266.8	263.8	258.2	263.8	266.8	256.3	242.6	205.4	173.1	161.1
30°	588.4	619.2	610.9	574.8	610.9	619.2	588.4	535.0	444.5	378.0	308.4
27.5°	1060.8	1135.0	1183.4	1158.5	1183.4	1135.0	1060.8	980.8	869.4	717.7	558.9
25°	1803.4	1947.5	2050.7	2007.5	2050.7	1947.5	1803.4	1595.4	1354.4	1185.3	960.2
22.5°	3206.6	3443.3	3583.8	3620.6	3583.8	3443.3	3206.6	2764.9	2412.8	1986.6	1652.8
20°	6029.6	6218.3	6255.7	6162.3	6255.7	6218.3	6029.6	5188.7	4520.2	3718.3	3008.7
17.5°	14508.0	15379.3	14740.6	14070.3	14740.6	15379.3	14508.0	11467.3	10420.0	8149.3	6294.1
15°	33187.7	36867.5	38963.8	39391.5	38963.8	36867.5	33187.7	28643.0	23272.3	18307.0	13753.5
12.5°	58478.6	64408.8	66856.0	66627.4	66856.0	64408.8	58478.6	52054.2	41918.3	33139.9	24958.1
10°	88472.2	94812.3	100267.4	100322.6	100267.4	94812.3	88472.2	80185.1	67266.1	52372.3	37801.7
7.5°	118458.9	125770.7	130902.7	132366.9	130902.7	125770.7	118458.9	107550.8	91835.2	73403.9	54376.1
5°	144710.4	153762.8	158857.8	160413.6	158857.8	153762.8	144710.4	131402.5	114178.9	93728.0	69673.6
2.5°	167790.7	178880.2	184468.2	185336.9	184468.2	178880.2	167790.7	152239.1	132544.9	109863.9	80831.2
0°	174140.8	184026.3	191263.1	193839.2	191263.1	184026.3	174140.8	159333.0	140086.5	114881.1	85967.6
-2.5°	167880.5	176529.1	180842.4	182641.3	180842.4	176529.1	167880.5	153910.8	135261.4	112539.0	83761.2
-5°	157984.8	166056.1	171549.1	172821.3	171549.1	166056.1	157984.8	146268.4	127314.1	104586.4	77878.9
-7.5°	133330.7	141275.1	143743.2	146541.4	143743.2	141275.1	133330.7	123960.7	109754.1	89169.9	65507.0
-10°	111400.4	117580.5	119280.3	121262.7	119280.3	117580.5	111400.4	101445.6	88267.9	71115.7	51762.3
-12.5°	92174.3	98295.9	101067.2	103439.1	101067.2	98295.9	92174.3	81094.5	67634.2	53534.8	41059.2
-15°	67530.1	73283.8	75271.2	76554.4	75271.2	73283.8	67530.1	58595.1	48626.3	39385.3	31188.9
-17.5°	48917.6	53299.5	55903.5	57413.1	55903.5	53299.5	48917.6	42040.1	36331.5	30310.3	25106.9
-20°	36565.8	39076.9	41094.1	41315.9	41094.1	39076.9	36565.8	32812.1	28541.6	24427.7	20663.2



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27332.3	28828.0	29756.6	29700.6	29756.6	28828.0	27332.3	25049.3	22324.3	19611.1	16826.1
-25°	20400.4	21406.0	22045.5	22160.5	22045.5	21406.0	20400.4	19018.9	17207.5	15468.0	13533.9
-27.5°	15524.7	16232.7	16599.5	16619.0	16599.5	16232.7	15524.7	14611.3	13335.4	12231.4	10830.9
-30°	12027.8	12617.4	13008.5	13308.0	13008.5	12617.4	12027.8	11445.7	10643.5	9685.0	8533.5
-32.5°	9446.2	9949.5	10290.7	10493.9	10290.7	9949.5	9446.2	8909.6	8271.0	7473.8	6507.9
-35°	7081.8	7484.9	7726.1	7665.7	7726.1	7484.9	7081.8	6621.4	6092.6	5435.0	4634.3
-37.5°	4990.2	5331.9	5575.1	5728.9	5575.1	5331.9	4990.2	4576.8	4107.3	3506.0	2965.1
-40°	3144.3	3380.6	3548.8	3656.0	3548.8	3380.6	3144.3	2840.2	2488.7	2064.1	1758.3
-42.5°	1790.7	1879.1	1938.6	1970.4	1938.6	1879.1	1790.7	1672.4	1527.1	1348.6	1207.9
-45°	1238.5	1260.6	1276.5	1285.9	1276.5	1260.6	1238.5	1211.3	1175.9	1133.7	1086.7
-47.5°	1106.8	1124.9	1136.6	1142.6	1136.6	1124.9	1106.8	1083.0	1052.6	1018.5	982.9
-50°	981.8	1004.0	1017.4	1022.3	1017.4	1004.0	981.8	954.6	924.3	893.3	858.9
-52.5°	846.0	864.0	876.1	882.6	876.1	864.0	846.0	825.2	802.8	781.6	757.2
-55°	738.2	749.7	755.6	757.0	755.6	749.7	738.2	724.5	708.9	692.3	672.9
-57.5°	652.9	660.3	666.2	670.4	666.2	660.3	652.9	643.9	633.3	621.6	609.3
-60°	583.7	590.1	593.4	594.3	593.4	590.1	583.7	575.4	565.1	553.4	539.6
-62.5°	506.0	513.6	519.5	523.5	519.5	513.6	506.0	495.7	482.4	466.2	447.0
-65°	410.9	422.4	428.5	431.6	428.5	422.4	410.9	397.8	383.3	367.7	350.3
-67.5°	309.7	315.5	317.0	316.6	317.0	315.5	309.7	302.1	292.7	280.1	264.2
-70°	237.8	246.5	249.7	251.2	249.7	246.5	237.8	228.4	218.2	206.9	193.7
-72.5°	171.9	178.0	181.5	183.9	181.5	178.0	171.9	165.1	157.5	148.8	138.4
-75°	102.6	105.1	106.8	107.9	106.8	105.1	102.6	99.6	96.1	92.0	87.0
-77.5°	65.7	68.5	69.7	70.7	69.7	68.5	65.7	62.8	59.8	56.6	52.6
-80°	45.9	47.5	47.7	47.8	47.7	47.5	45.9	44.1	42.3	40.3	37.5
-82.5°	30.7	31.7	31.8	31.8	31.8	31.7	30.7	29.7	28.6	27.5	25.9
-85°	23.8	24.7	24.8	24.8	24.8	24.7	23.8	22.8	21.8	20.8	19.3
-87.5°	17.2	17.7	18.6	19.5	18.6	17.7	17.2	16.8	16.3	15.8	14.5
-90°	2.2	1.8	0.9	0.0	0.9	1.8	2.2	2.7	3.1	3.5	4.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.3	11.5	10.6	9.7	8.8	8.0	7.1	7.1	7.1	7.1	7.1
87.5°	4.4	4.9	5.3	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1
85°	4.4	4.9	5.3	5.7	6.0	6.2	6.5	6.5	6.7	6.9	7.1
82.5°	4.4	4.9	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1
80°	4.5	4.9	5.4	5.8	6.3	6.7	7.1	7.1	7.1	7.1	7.1
77.5°	4.5	4.9	5.4	5.9	6.3	6.8	7.1	7.1	7.1	7.1	7.1
75°	5.7	5.9	6.3	6.6	6.9	7.0	7.2	7.5	7.7	7.7	7.5
72.5°	7.9	8.3	8.7	9.3	9.5	9.8	9.8	9.6	9.3	9.0	8.6
70°	10.1	10.8	12.1	13.6	14.6	15.1	14.5	13.5	12.4	11.7	10.8
67.5°	11.1	12.1	14.4	16.9	18.7	20.1	20.2	19.1	17.7	16.3	13.9
65°	11.3	12.2	15.5	18.9	21.9	24.4	26.1	26.2	25.1	22.6	18.2
62.5°	10.9	12.2	15.0	18.1	21.9	27.2	32.7	34.6	34.4	30.4	24.4
60°	9.5	10.9	13.0	15.6	18.8	26.0	35.1	41.8	45.9	39.4	30.7
57.5°	8.3	9.2	10.6	12.5	15.1	23.2	34.0	46.1	53.7	45.0	36.7
55°	6.9	7.8	8.7	9.7	11.4	19.0	29.0	40.8	49.5	46.9	37.9
52.5°	7.0	7.5	8.0	8.5	10.1	14.5	21.3	32.4	38.9	38.4	35.5
50°	8.6	8.3	8.3	8.7	9.7	11.2	15.6	23.2	26.7	29.5	29.3
47.5°	10.3	10.0	9.1	8.9	9.9	11.0	12.7	14.7	18.9	20.5	22.4
45°	12.4	12.4	11.9	11.4	10.8	11.3	12.3	13.9	15.0	16.8	16.2
42.5°	17.1	16.0	15.0	15.6	14.7	13.7	13.6	15.2	15.6	15.9	17.1
40°	26.6	23.6	22.5	22.1	21.3	18.6	19.0	18.6	18.4	17.2	20.0
37.5°	46.0	40.1	37.1	32.4	30.7	28.8	27.3	25.8	23.4	24.0	25.4
35°	79.8	71.6	62.5	52.8	43.5	42.4	38.5	35.1	33.3	33.5	33.1
32.5°	127.9	128.9	107.1	88.8	73.2	62.5	54.6	46.7	48.8	47.1	43.2
30°	256.6	238.8	203.4	158.4	133.9	98.6	76.4	71.1	67.9	64.3	55.7
27.5°	497.0	416.4	363.0	319.1	234.9	170.9	124.1	101.6	91.0	84.0	76.6
25°	852.1	704.7	634.8	556.8	432.3	311.7	213.5	150.9	122.4	110.2	126.6
22.5°	1355.5	1249.2	1030.5	863.2	770.8	618.1	408.4	210.1	171.7	183.7	185.6
20°	2451.7	2240.1	1757.1	1566.1	1358.4	1018.1	688.1	433.0	320.7	277.9	253.4
17.5°	5338.2	4000.0	3523.2	3015.5	2340.6	1648.0	1346.5	895.6	514.5	387.3	329.1
15°	10128.0	8028.2	6586.8	5291.3	4067.1	3258.9	2416.1	1481.2	807.2	540.6	437.8
12.5°	18626.1	13838.3	10296.7	8442.1	6901.2	5455.4	3916.9	2412.2	1299.2	775.0	602.0
10°	28033.6	20937.1	15675.7	12382.6	10056.1	7944.4	5602.9	3428.4	1856.1	1040.2	769.8
7.5°	39124.7	28914.9	21400.4	16180.4	12813.0	9948.5	7112.8	4451.0	2419.0	1310.9	939.0
5°	48750.2	35536.9	25729.7	19150.9	15137.3	11872.4	8559.7	5444.6	2964.5	1578.7	1106.2
2.5°	55506.4	40498.7	29340.2	21834.4	17114.0	13377.7	9687.1	6176.1	3322.9	1764.2	1206.3
0°	59001.5	43609.9	31455.2	22818.4	17927.9	13872.2	10332.9	6613.3	3539.2	1913.8	1298.3
-2.5°	58037.5	42864.8	31195.2	23008.9	18061.4	13915.1	10206.5	6677.7	3626.9	1959.7	1306.3
-5°	53705.6	38808.1	28174.8	20951.4	16610.8	12955.2	9562.2	6363.8	3550.9	1948.2	1306.1
-7.5°	46685.1	33879.7	24627.2	18518.2	14740.2	11557.9	8557.4	5687.1	3237.0	1794.7	1237.6
-10°	38165.9	28463.4	21210.0	16391.6	12972.7	10100.9	7460.8	4934.5	2843.2	1617.6	1162.7
-12.5°	30908.3	23534.2	17821.2	14174.2	11319.3	8821.2	6421.0	4159.4	2374.5	1421.0	1082.8
-15°	24359.2	19401.9	15525.8	12354.2	9711.5	7531.6	5423.8	3390.0	1874.3	1216.4	999.0
-17.5°	20423.6	16266.0	13304.7	10683.8	8376.3	6325.3	4474.6	2770.9	1555.5	1065.5	929.1
-20°	17145.3	14186.9	11487.2	9135.8	7081.6	5220.5	3510.4	2107.1	1304.1	986.5	871.2



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-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°	14517.0	12222.3	9842.6	7635.0	5764.7	4136.4	2679.2	1543.5	1026.7	906.3	809.9
-25°	11906.4	10203.3	8214.4	6339.9	4552.1	3031.7	1876.2	1245.6	947.3	831.7	745.6
-27.5°	9495.9	8062.0	6697.8	5016.7	3431.1	2173.8	1379.9	991.2	883.1	780.8	682.4
-30°	7324.6	6218.0	5029.3	3680.5	2443.6	1509.3	1052.2	921.8	826.3	732.0	637.9
-32.5°	5455.5	4498.1	3443.4	2468.3	1606.8	1133.8	959.7	856.7	770.9	684.3	608.7
-35°	3772.5	2973.6	2140.8	1569.1	1134.2	996.4	901.9	809.5	717.8	640.2	581.0
-37.5°	2341.3	1764.7	1413.5	1098.5	1016.8	935.5	852.6	758.9	668.8	607.2	555.8
-40°	1485.1	1180.9	1093.0	1017.3	950.2	884.4	791.4	700.5	636.0	575.5	531.1
-42.5°	1139.7	1070.7	1008.7	950.5	884.7	802.8	724.2	662.6	603.7	551.3	513.6
-45°	1037.1	985.9	934.2	866.1	791.4	731.9	680.1	625.0	572.6	532.8	498.4
-47.5°	937.9	884.0	826.6	776.1	724.8	676.6	632.6	587.2	550.1	513.8	465.3
-50°	824.1	783.9	743.2	703.5	663.6	622.8	590.3	562.0	521.6	474.6	423.7
-52.5°	730.5	700.8	669.3	637.0	610.3	583.5	556.1	518.0	476.0	422.7	366.7
-55°	650.7	631.2	611.4	591.0	567.2	533.0	498.5	458.5	410.6	358.4	309.0
-57.5°	596.6	579.3	554.5	528.1	500.1	462.0	420.3	379.0	340.9	296.2	250.9
-60°	523.1	503.8	473.9	440.9	405.1	368.6	337.3	304.9	271.4	234.3	195.9
-62.5°	424.7	399.1	372.8	346.1	317.3	287.5	260.7	233.6	204.3	172.9	146.7
-65°	330.9	309.7	286.6	263.1	238.7	213.3	189.9	168.4	147.8	125.7	103.9
-67.5°	246.3	226.2	206.0	187.3	170.7	152.4	135.2	117.2	104.3	93.2	81.7
-70°	179.9	165.5	151.0	135.5	121.2	109.1	99.4	90.1	80.2	68.9	57.5
-72.5°	128.2	118.4	108.9	99.3	90.4	80.7	70.7	60.6	50.7	40.9	33.8
-75°	81.3	74.8	67.5	59.8	51.9	43.8	38.7	35.3	31.9	28.6	25.4
-77.5°	48.6	44.5	40.7	37.5	34.2	30.8	27.5	25.1	23.4	21.8	20.3
-80°	34.8	32.0	29.4	27.2	25.1	23.1	21.3	20.1	18.9	17.7	16.7
-82.5°	24.3	22.6	20.9	19.6	18.3	16.9	15.6	14.9	14.2	13.6	13.0
-85°	17.9	16.4	14.9	13.9	12.9	12.0	11.1	10.9	10.7	10.5	10.3
-87.5°	13.2	11.9	10.6	10.1	9.6	9.0	8.5	8.4	8.4	8.4	8.3
-90°	4.4	4.9	5.3	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1





REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.1	7.1	7.1	7.1	7.5	8.0	8.4	8.8	8.4	8.0	7.5
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.4	7.5
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.4	7.7	7.9
82.5°	7.1	7.1	7.1	7.1	7.4	7.5	7.6	7.6	7.7	8.0	8.3
80°	7.1	7.1	7.1	7.2	7.6	8.0	8.2	8.3	8.2	8.3	8.5
77.5°	7.1	7.1	7.1	7.2	7.6	8.1	8.5	8.8	8.7	8.6	8.6
75°	7.1	7.1	7.1	7.3	7.7	8.1	8.5	8.8	8.8	8.8	8.7
72.5°	8.3	7.9	7.5	7.3	7.7	8.1	8.6	8.8	8.8	8.8	8.8
70°	9.8	9.0	8.5	8.1	8.0	8.2	8.6	8.8	8.8	8.8	8.8
67.5°	11.5	10.4	9.5	8.9	8.6	8.5	8.7	8.8	8.8	8.8	8.8
65°	15.4	12.7	10.5	9.6	9.0	8.7	8.8	8.8	8.8	8.8	8.8
62.5°	19.6	16.0	13.2	10.7	9.4	8.9	8.8	8.8	8.8	8.8	8.8
60°	24.0	19.3	15.8	13.0	10.5	9.0	8.8	8.8	8.8	8.8	8.8
57.5°	28.3	22.0	18.1	15.0	12.3	9.9	8.8	8.8	8.8	8.8	8.8
55°	30.7	24.2	19.9	16.4	13.8	11.3	9.3	8.8	8.8	8.8	8.8
52.5°	29.3	25.2	21.4	17.5	14.5	12.5	10.5	8.8	8.8	8.8	8.8
50°	25.7	24.7	22.0	18.3	15.0	13.0	11.5	9.6	8.8	8.8	8.9
47.5°	23.2	23.7	22.1	18.7	15.2	13.6	12.2	10.4	8.8	8.8	9.0
45°	20.4	22.5	21.9	19.1	15.6	14.1	12.6	11.1	9.4	8.9	9.2
42.5°	18.4	21.3	21.5	19.7	17.0	14.6	13.1	11.5	9.9	9.0	9.3
40°	20.9	20.9	21.5	21.1	18.7	15.1	13.5	11.9	10.3	9.3	9.4
37.5°	25.0	23.4	22.2	24.6	21.1	16.8	13.9	12.3	10.9	9.8	9.5
35°	31.7	28.3	27.5	29.7	25.8	18.7	14.2	12.6	11.7	10.3	9.7
32.5°	39.8	37.5	36.9	35.8	32.0	20.7	15.4	13.8	12.7	10.8	9.8
30°	53.0	54.5	47.9	43.3	39.2	26.5	17.9	15.3	13.8	11.2	10.0
27.5°	82.0	76.6	61.6	53.4	46.4	34.0	21.9	17.0	15.1	11.9	10.3
25°	120.4	106.0	83.3	64.9	54.4	53.1	26.6	19.0	16.5	12.9	10.7
22.5°	170.3	141.8	108.4	77.1	83.1	78.1	36.8	22.7	18.0	13.9	11.1
20°	227.4	183.0	143.1	119.2	116.7	103.3	55.1	26.7	19.6	15.0	11.4
17.5°	290.6	252.5	217.1	173.8	152.4	131.3	76.4	30.8	21.3	16.1	11.7
15°	403.3	356.9	297.5	233.0	189.6	161.4	100.1	35.1	23.0	17.3	12.3
12.5°	532.3	466.6	382.3	295.8	228.1	193.2	125.4	39.4	24.8	18.9	13.1
10°	665.0	579.8	469.9	360.6	267.3	225.9	151.4	45.0	28.4	20.9	14.0
7.5°	799.5	694.5	558.5	426.2	307.2	260.8	180.2	53.5	32.4	22.9	15.0
5°	925.0	795.3	633.1	482.8	349.7	297.3	208.2	61.9	36.4	24.8	15.9
2.5°	1010.7	871.9	695.8	534.5	391.3	332.7	233.9	70.1	40.4	26.6	16.8
0°	1091.3	942.7	753.5	581.9	431.6	366.1	256.5	77.8	44.2	28.3	17.7
-2.5°	1106.1	954.8	761.6	593.9	448.1	379.0	265.1	91.8	53.5	33.3	20.2
-5°	1114.8	959.4	764.3	601.8	462.6	388.9	270.0	104.9	62.4	38.1	22.5
-7.5°	1071.3	928.7	749.9	602.8	474.9	395.6	271.5	116.8	70.5	42.5	24.7
-10°	1012.8	874.5	712.4	580.6	471.2	394.6	269.9	127.3	77.7	46.3	26.6
-12.5°	951.5	816.4	673.6	557.1	464.2	387.4	265.0	136.5	83.8	49.5	28.3
-15°	888.2	755.3	634.6	533.2	456.8	378.8	258.4	144.2	89.8	52.5	29.6
-17.5°	826.3	692.1	596.4	509.8	449.5	369.3	250.5	149.9	94.3	55.3	31.0
-20°	766.8	644.1	560.8	487.5	442.5	359.3	241.8	153.5	97.2	57.1	32.4



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-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°	706.8	611.1	537.4	475.1	432.4	349.0	232.7	154.9	98.5	57.8	33.3
-25°	649.0	579.0	515.6	466.7	417.4	333.9	228.1	153.8	98.0	57.2	33.8
-27.5°	607.7	549.8	494.2	457.2	399.6	319.8	225.9	152.9	96.3	55.2	33.7
-30°	574.4	525.9	480.7	444.0	381.4	298.8	220.7	149.6	94.1	54.0	33.1
-32.5°	550.5	503.4	468.3	422.9	357.9	276.5	207.7	143.8	89.9	53.2	32.3
-35°	531.0	488.2	454.1	401.8	331.3	257.0	191.0	135.4	83.9	51.6	31.0
-37.5°	510.4	476.2	431.3	376.6	303.5	235.3	174.3	122.0	76.0	49.3	29.1
-40°	496.7	458.7	409.4	345.3	276.8	211.5	155.6	108.6	70.9	46.1	26.6
-42.5°	481.2	433.0	376.5	312.7	248.6	188.8	135.5	94.2	65.0	42.5	23.6
-45°	451.3	400.0	337.8	277.7	218.6	164.0	118.6	79.9	58.2	38.3	20.9
-47.5°	415.4	355.4	297.0	240.5	188.8	139.1	100.6	71.5	50.7	33.3	19.1
-50°	364.5	308.6	254.3	204.4	156.4	118.2	83.8	62.2	43.4	26.9	17.0
-52.5°	312.4	260.0	212.8	168.0	130.1	96.4	72.4	52.3	35.6	22.6	14.6
-55°	259.0	214.0	172.5	136.4	104.3	80.4	60.1	42.9	27.4	19.3	12.2
-57.5°	209.4	169.6	137.2	106.8	84.2	65.7	48.2	32.9	22.6	16.0	12.4
-60°	160.8	131.9	103.6	84.9	68.1	51.6	36.5	24.6	18.8	13.2	12.4
-62.5°	120.5	97.3	82.6	67.5	52.5	38.1	25.7	20.6	15.0	13.0	12.4
-65°	91.0	77.7	64.0	50.4	37.1	26.6	21.3	16.4	13.8	12.8	12.3
-67.5°	69.8	57.2	45.0	33.0	26.5	21.6	16.9	14.5	13.2	12.4	11.8
-70°	46.5	35.8	29.7	25.2	20.8	16.9	15.0	13.4	12.4	11.8	11.3
-72.5°	30.2	26.4	22.6	18.9	17.2	15.4	13.6	12.3	11.8	11.3	10.7
-75°	22.1	20.2	18.6	17.1	15.4	13.8	12.4	11.5	11.1	10.7	10.2
-77.5°	18.9	17.5	16.3	14.9	13.4	12.2	11.3	10.8	10.4	10.1	9.7
-80°	15.6	14.4	13.2	12.1	11.2	10.6	10.3	10.0	9.7	9.5	9.2
-82.5°	12.0	11.3	10.6	10.1	9.9	9.7	9.5	9.3	9.1	8.8	8.7
-85°	9.9	9.6	9.3	9.1	8.9	8.8	8.8	8.8	8.7	8.5	8.3
-87.5°	8.2	8.2	8.1	8.1	8.2	8.4	8.6	8.8	8.5	8.2	7.9
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.1	7.5	8.0	8.4	8.8	7.9	7.1
87.5°	7.5	7.5	7.4	7.3	7.2	7.2	7.1
85°	8.0	7.8	7.7	7.5	7.4	7.2	7.1
82.5°	8.4	8.2	8.0	7.8	7.5	7.3	7.1
80°	8.8	8.6	8.3	8.0	7.7	7.4	7.1
77.5°	8.8	8.8	8.6	8.2	7.8	7.5	7.1
75°	8.8	8.8	8.8	8.4	8.0	7.5	7.1
72.5°	8.8	8.8	8.8	8.6	8.1	7.6	7.1
70°	8.8	8.8	8.8	8.8	8.3	7.7	7.1
67.5°	8.8	8.8	8.8	8.8	8.4	7.8	7.1
65°	8.8	8.8	8.8	8.8	8.5	7.8	7.1
62.5°	8.8	8.8	8.8	8.8	8.7	7.9	7.1
60°	8.8	8.8	8.8	8.8	8.8	7.9	7.1
57.5°	8.8	8.8	8.8	8.8	8.8	8.0	7.1
55°	8.8	8.8	8.8	8.8	8.8	8.1	7.1
52.5°	8.8	8.8	8.8	8.8	8.8	8.1	7.1
50°	8.8	8.8	8.8	8.8	8.8	8.2	7.1
47.5°	8.8	8.8	8.8	8.8	8.8	8.2	7.1
45°	9.0	8.8	8.8	8.8	8.8	8.3	7.1
42.5°	9.1	8.8	8.8	8.8	8.8	8.4	7.1
40°	9.3	8.8	8.8	8.8	8.8	8.4	7.1
37.5°	9.6	8.8	8.8	8.8	8.8	8.4	7.1
35°	9.8	8.9	8.8	8.8	8.8	8.5	7.1
32.5°	10.0	9.1	8.8	8.8	8.8	8.5	7.1
30°	10.1	9.3	8.8	8.8	8.8	8.6	7.1
27.5°	10.2	9.5	8.8	8.8	8.8	8.6	7.1
25°	10.3	9.7	8.8	8.8	8.8	8.6	7.1
22.5°	10.4	9.9	8.8	8.8	8.8	8.7	7.1
20°	10.6	10.0	8.8	8.8	8.8	8.7	7.1
17.5°	10.7	10.2	8.8	8.8	8.8	8.7	7.1
15°	10.9	10.3	8.8	8.8	8.8	8.7	7.1
12.5°	11.1	10.4	8.8	8.8	8.8	8.8	7.1
10°	11.4	10.5	8.8	8.8	8.8	8.8	7.1
7.5°	11.6	10.5	8.8	8.8	8.8	8.8	7.1
5°	11.9	10.6	8.8	8.8	8.8	8.8	7.1
2.5°	12.1	10.6	8.8	8.8	8.8	8.8	7.1
0°	12.4	10.6	8.8	8.8	8.8	8.8	7.1
-2.5°	13.6	10.8	8.8	8.8	8.8	8.8	7.1
-5°	14.7	11.0	8.8	8.8	8.8	8.8	7.1
-7.5°	15.7	11.1	8.8	8.8	8.8	8.8	7.1
-10°	16.6	11.2	8.8	8.8	8.8	8.8	7.1
-12.5°	17.3	11.3	8.8	8.8	8.8	8.8	7.1
-15°	17.8	11.3	8.8	8.8	8.8	8.7	7.1
-17.5°	18.2	11.2	8.8	8.8	8.8	8.7	7.1
-20°	18.5	11.1	8.8	8.8	8.8	8.7	7.1



REPORT NUMBER: P731560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.9	11.0	8.8	8.8	8.8	8.7	7.1
-25°	19.0	11.0	8.8	8.8	8.8	8.7	7.1
-27.5°	18.7	11.0	8.8	8.8	8.8	8.7	7.1
-30°	18.0	10.8	8.8	8.8	8.8	8.6	7.1
-32.5°	17.0	10.5	8.9	8.8	8.8	8.6	7.1
-35°	16.3	10.1	9.1	8.8	8.8	8.6	7.1
-37.5°	15.8	9.8	9.2	8.8	8.8	8.6	7.1
-40°	15.0	9.9	9.3	8.8	8.8	8.5	7.1
-42.5°	14.0	10.1	9.4	8.8	8.8	8.5	7.1
-45°	12.7	10.2	9.5	8.9	8.8	8.5	7.1
-47.5°	11.3	10.3	9.5	8.9	8.8	8.5	7.1
-50°	11.2	10.5	9.6	8.9	8.8	8.4	7.1
-52.5°	11.3	10.6	9.6	8.9	8.8	8.4	7.1
-55°	11.5	10.6	9.5	8.9	8.8	8.4	7.1
-57.5°	11.6	10.5	9.5	8.9	8.8	8.3	7.1
-60°	11.7	10.4	9.5	8.9	8.8	8.3	7.1
-62.5°	11.4	10.2	9.4	8.9	8.8	8.3	7.1
-65°	11.2	10.1	9.3	8.9	8.8	8.3	7.1
-67.5°	10.8	9.9	9.2	8.9	8.8	8.2	7.1
-70°	10.5	9.7	9.1	8.8	8.8	8.2	7.1
-72.5°	10.1	9.4	9.0	8.8	8.8	8.2	7.1
-75°	9.7	9.2	8.8	8.7	8.8	8.1	7.1
-77.5°	9.3	8.9	8.7	8.7	8.8	8.1	7.1
-80°	8.9	8.6	8.5	8.6	8.8	8.1	7.1
-82.5°	8.4	8.4	8.4	8.5	8.8	8.1	7.1
-85°	8.0	8.1	8.2	8.5	8.8	8.0	7.1
-87.5°	7.5	7.8	8.1	8.4	8.8	8.0	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(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

