

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: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-2S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-80-2S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

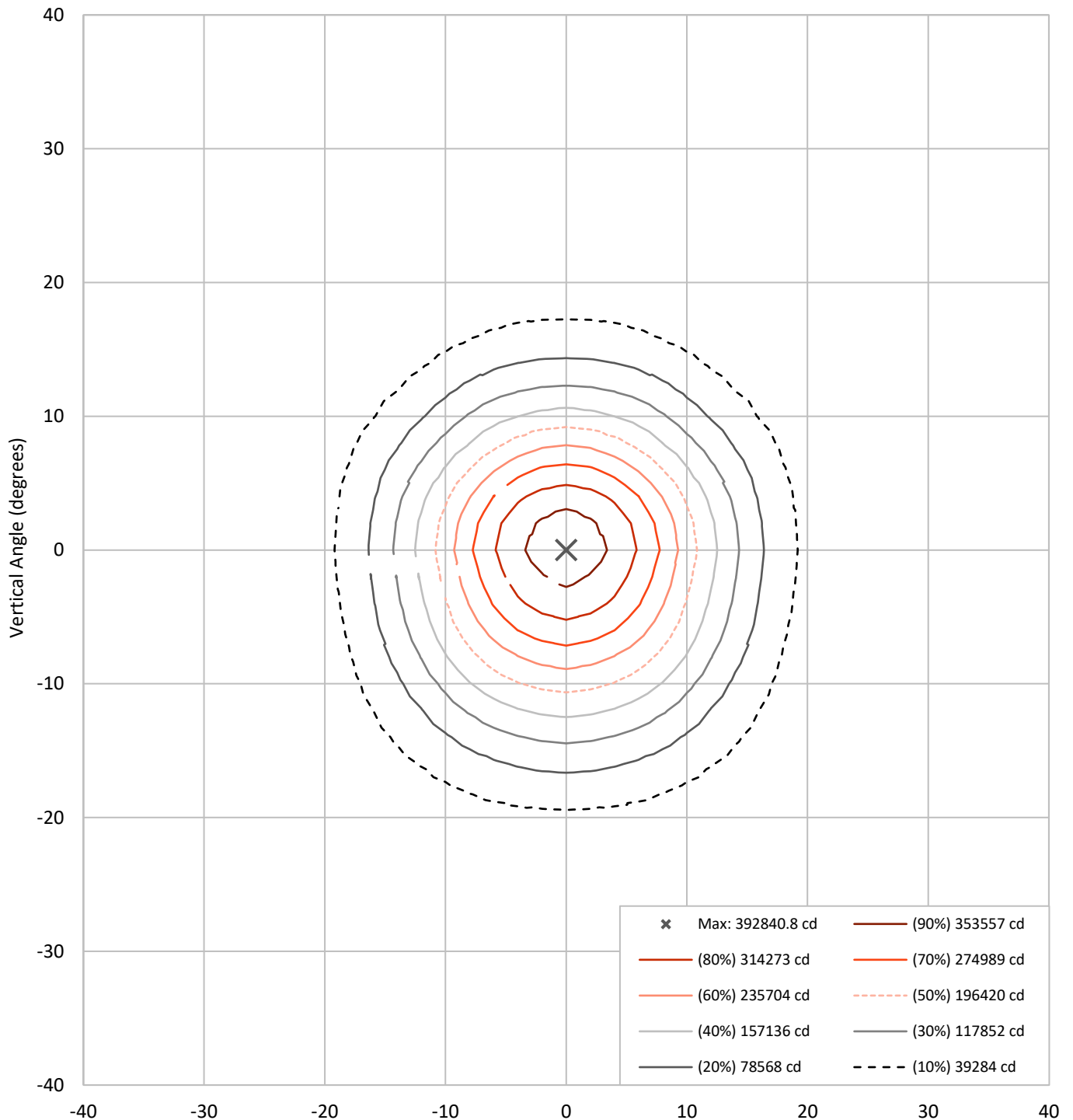
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60812.6 lumens	Max Intensity:	392840.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	28113.1 lumens	Field Lumens:	52444.1 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 561.4  
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: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

### Iso-Candela Plot





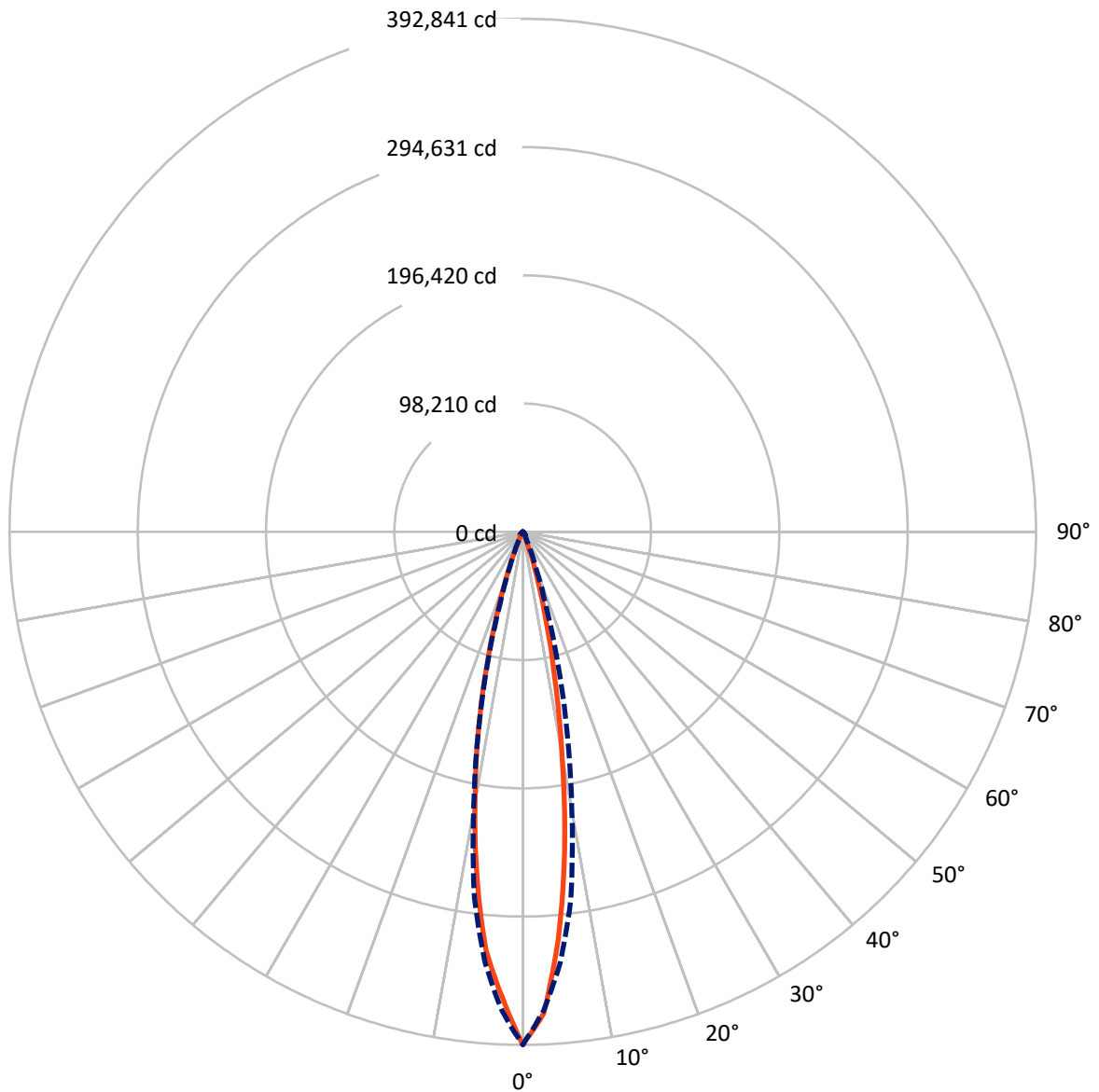
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### Lumen Table

90	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.1				
80	0.1	0.1	0.2	0.5	0.6	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.2	0.1	0.1
70	0.1	0.1	0.3	0.5	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.5	0.3	0.1	0.1
60	0.2	0.2	0.4	0.5	0.6	0.8	1.1	1.2	1.2	1.1	0.8	0.6	0.5	0.4	0.2	0.2
50	0.2	0.2	0.8	1.7	3.5	5.7	6.9	8.0	8.0	6.9	5.7	3.5	1.7	0.8	0.2	0.2
40	0.2	0.4	2.5	8.5	22.6	33.2	58.0	127.7	127.7	58.0	33.2	22.6	8.5	2.5	0.4	0.2
30	0.2	0.8	5.7	22.0	51.7	101.1	628.5	1961.0	1961.0	628.5	101.1	51.7	22.0	5.7	0.8	0.2
20	0.3	1.6	9.7	40.7	84.4	272.2	2568.5	7650.6	7650.6	2568.5	272.2	84.4	40.7	9.7	1.6	0.3
10	0.3	2.6	12.7	47.7	94.6	273.1	2722.1	7976.4	7976.4	2722.1	273.1	94.6	47.7	12.7	2.6	0.3
0	0.5	3.0	13.0	44.1	93.4	156.2	1002.2	2892.5	2892.5	1002.2	156.2	93.4	44.1	13.0	3.0	0.5
-10	0.5	2.8	11.0	26.3	66.4	97.7	152.6	298.7	298.7	152.6	97.7	66.4	26.3	11.0	2.8	0.5
-20	0.4	2.3	8.0	16.4	36.8	70.3	91.1	100.1	100.1	91.1	70.3	36.8	16.4	8.0	2.3	0.4
-30	0.4	1.6	5.5	12.2	20.8	34.4	59.7	80.7	80.7	59.7	34.4	20.8	12.2	5.5	1.6	0.4
-40	0.3	0.8	3.3	7.9	14.4	21.6	27.7	31.0	31.0	27.7	21.6	14.4	7.9	3.3	0.8	0.3
-50	0.3	0.3	1.2	3.7	7.6	12.4	17.5	20.6	20.6	17.5	12.4	7.6	3.7	1.2	0.3	0.3
-60	0.2	0.2	0.9	2.8	7.1	10.3	7.1	10.3	7.1	10.3	7.1	2.8	0.9	0.2	0.2	0.2
-70	0.2	0.9	2.8	7.1	10.3	7.1	10.3	7.1	10.3	7.1	2.8	0.9	0.2	0.2	0.2	0.2
-80	0.2	0.9	2.8	7.1	10.3	7.1	10.3	7.1	10.3	7.1	2.8	0.9	0.2	0.2	0.2	0.2
-90	0.2	0.9	2.8	7.1	10.3	7.1	10.3	7.1	10.3	7.1	2.8	0.9	0.2	0.2	0.2	0.2

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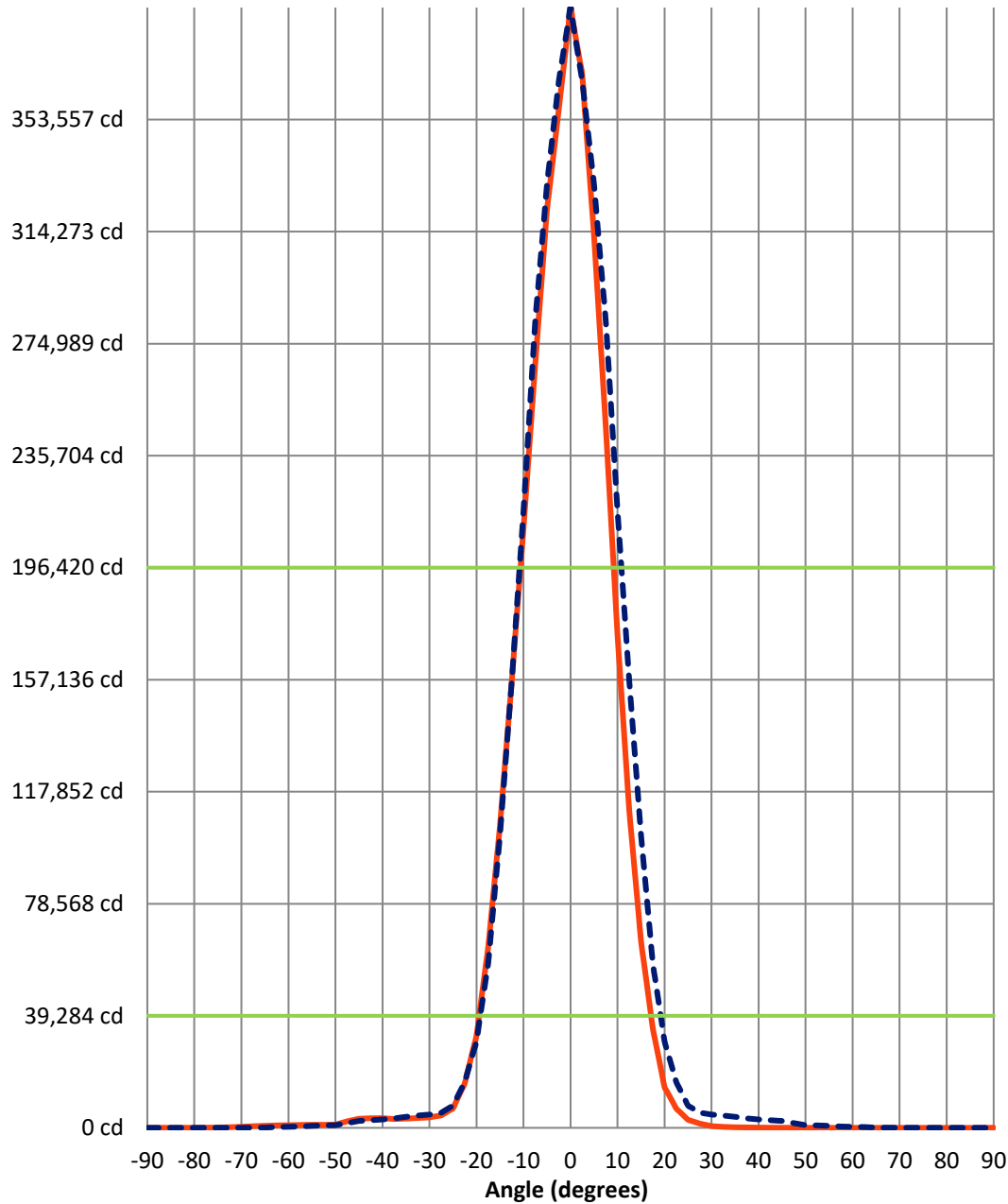
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 28113.1  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 52444.1  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 8368.4  
 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°	6.3	6.3	6.3	6.7	7.1	7.5	7.9	7.9	7.9	7.9	7.9
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.0	5.8	5.6	5.4
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.1	6.0	6.1
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
70°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4
67.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.5	6.5
65°	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.3	6.6	6.8	6.6
62.5°	6.3	6.3	6.3	6.3	6.3	6.5	6.5	6.6	7.0	7.1	6.7
60°	6.3	6.3	6.3	6.3	6.3	6.6	6.6	7.0	7.4	7.1	6.8
57.5°	6.3	6.3	6.3	6.3	6.4	6.8	6.9	7.5	7.6	7.2	6.9
55°	6.3	6.3	6.3	6.3	6.6	6.9	7.2	7.9	7.6	7.3	7.0
52.5°	6.3	6.3	6.4	6.3	6.8	7.1	7.5	7.9	7.7	7.4	7.1
50°	6.3	6.3	6.4	6.3	7.0	7.3	7.7	7.9	7.8	7.5	8.3
47.5°	6.3	6.3	6.4	6.3	7.1	7.5	7.9	7.9	7.9	7.6	9.5
45°	6.3	6.3	6.5	6.5	7.3	7.6	7.9	7.9	8.0	8.3	10.4
42.5°	6.3	6.3	6.5	6.6	7.5	7.7	7.9	8.0	8.1	8.9	11.7
40°	6.3	6.3	6.6	6.8	7.7	7.8	7.9	8.1	8.4	9.2	12.8
37.5°	6.3	6.3	6.7	7.0	7.7	7.9	7.9	8.2	9.0	10.3	13.9
35°	6.3	6.3	6.7	7.1	7.8	7.9	7.9	8.4	9.7	11.9	14.5
32.5°	6.3	6.3	6.8	7.3	7.9	7.9	7.9	8.7	10.5	13.6	15.8
30°	6.3	6.3	6.9	7.4	7.9	7.9	8.1	9.0	11.4	15.4	17.4
27.5°	6.3	6.3	7.0	7.5	7.9	7.9	8.3	9.7	12.5	17.2	19.3
25°	6.3	6.3	7.0	7.6	7.9	7.9	8.5	10.4	14.0	18.9	21.5
22.5°	6.3	6.3	7.1	7.7	7.9	7.9	8.7	11.1	15.5	20.5	25.6
20°	6.3	6.3	7.2	7.7	7.9	8.0	8.9	11.8	16.9	22.3	29.5
17.5°	6.3	6.3	7.3	7.8	7.9	8.2	9.2	12.5	18.3	24.2	33.1
15°	6.3	6.3	7.4	7.8	7.9	8.4	9.5	13.2	19.7	26.2	36.5
12.5°	6.3	6.3	7.5	7.9	7.9	8.5	9.8	13.8	21.0	28.2	39.7
10°	6.3	6.3	7.6	7.9	7.9	8.7	10.1	14.4	22.4	31.3	44.5
7.5°	6.3	6.3	7.7	7.9	7.9	8.9	10.4	14.8	23.7	34.6	53.5
5°	6.3	6.3	7.7	7.9	7.9	9.1	10.6	15.3	24.9	38.0	62.8
2.5°	6.3	6.3	7.8	7.9	7.9	9.3	10.9	15.6	26.0	41.3	72.0
0°	6.3	6.3	7.9	7.9	7.9	9.5	11.1	15.9	26.9	44.4	80.8
-2.5°	6.3	6.3	7.9	8.0	8.0	9.8	12.4	19.6	34.9	58.0	104.4
-5°	6.3	6.4	7.9	8.1	8.2	10.2	13.6	23.1	42.4	71.0	126.6
-7.5°	6.3	6.4	7.9	8.2	8.3	10.5	14.7	26.4	49.5	83.1	147.0
-10°	6.3	6.4	7.9	8.3	8.5	10.7	15.7	29.3	55.7	94.0	164.9
-12.5°	6.3	6.5	7.8	8.4	8.6	11.0	16.6	31.7	61.0	103.5	175.5
-15°	6.3	6.5	7.8	8.5	8.7	11.1	17.3	33.6	65.8	110.9	181.8
-17.5°	6.3	6.5	7.8	8.5	8.9	11.3	17.8	35.7	70.3	117.0	186.1
-20°	6.3	6.6	7.8	8.6	9.0	11.4	18.3	37.8	73.5	121.7	188.2



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.3	6.6	7.7	8.6	9.1	11.4	18.9	38.8	75.5	124.8	188.1
-25°	6.3	6.6	7.7	8.6	9.3	11.5	19.2	38.8	76.2	126.4	185.7
-27.5°	6.3	6.6	7.7	8.6	9.4	11.7	19.1	37.5	75.5	126.5	186.6
-30°	6.3	6.6	7.7	8.6	9.5	11.8	18.5	35.1	74.0	125.4	185.6
-32.5°	6.3	6.7	7.7	8.6	9.7	11.8	17.4	33.8	71.2	122.3	182.4
-35°	6.3	6.7	7.7	8.5	9.8	11.6	16.9	32.5	66.5	117.3	177.1
-37.5°	6.3	6.7	7.6	8.5	9.9	11.6	16.7	30.6	60.0	110.3	163.5
-40°	6.3	6.7	7.6	8.4	10.0	11.7	16.4	27.8	51.7	101.3	148.4
-42.5°	6.3	6.7	7.6	8.3	10.0	11.7	15.9	24.4	45.8	87.3	132.1
-45°	6.3	6.7	7.6	8.1	9.8	11.7	15.3	21.7	41.0	72.2	114.5
-47.5°	6.3	6.7	7.6	8.0	9.7	11.6	14.6	20.8	35.2	56.5	96.8
-50°	6.3	6.7	7.6	8.0	9.5	11.4	14.2	19.6	28.0	48.2	78.4
-52.5°	6.3	6.7	7.6	8.0	9.3	11.2	13.8	18.3	24.4	39.2	60.3
-55°	6.3	6.7	7.7	8.0	9.0	10.8	13.3	16.9	22.4	29.5	49.1
-57.5°	6.3	6.7	7.7	8.0	8.8	10.5	12.7	16.0	20.3	25.4	37.1
-60°	6.3	6.6	7.7	8.0	8.5	10.1	12.0	15.0	18.3	23.0	27.7
-62.5°	6.3	6.6	7.6	8.0	8.4	9.6	11.4	13.9	17.1	20.4	25.0
-65°	6.3	6.6	7.5	8.0	8.3	9.2	10.8	12.9	15.8	18.8	22.1
-67.5°	6.3	6.6	7.4	7.9	8.3	8.8	10.2	12.1	14.4	17.2	20.1
-70°	6.3	6.6	7.3	7.9	8.2	8.7	9.5	11.4	13.5	15.7	18.3
-72.5°	6.3	6.5	7.2	7.8	8.0	8.4	9.1	10.6	12.6	14.7	16.7
-75°	6.3	6.5	7.1	7.6	7.9	8.2	8.7	10.0	11.7	13.6	15.5
-77.5°	6.3	6.5	7.0	7.5	7.8	8.0	8.3	9.5	11.0	12.6	14.4
-80°	6.3	6.4	6.8	7.3	7.6	7.8	7.9	9.0	10.3	11.6	13.1
-82.5°	6.3	6.4	6.7	7.2	7.5	7.8	7.9	8.6	9.5	10.6	11.9
-85°	6.3	6.4	6.6	7.0	7.4	7.7	7.9	8.4	9.0	9.7	10.6
-87.5°	6.3	6.3	6.4	6.9	7.2	7.6	7.9	8.1	8.4	8.8	9.2
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.9	5.6	5.2	4.8





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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°	7.9	7.9	7.9	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7
87.5°	5.3	5.2	5.0	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6
85°	5.9	5.6	5.2	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6
82.5°	6.0	5.6	5.2	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6
80°	6.0	5.6	5.2	4.9	4.8	4.8	4.8	4.8	4.5	4.2	3.9
77.5°	6.0	5.6	5.3	4.9	4.8	5.1	5.3	5.6	5.5	5.4	5.2
75°	6.0	5.7	5.5	5.5	5.7	6.0	6.3	6.3	6.1	5.7	5.3
72.5°	6.1	6.0	6.0	6.3	6.3	6.3	6.3	6.3	7.1	8.2	9.0
70°	6.2	6.3	6.3	6.3	6.3	6.7	8.3	10.6	12.8	14.5	16.7
67.5°	6.3	6.3	6.3	6.5	7.6	9.5	12.0	18.3	25.5	27.8	27.7
65°	6.3	6.3	6.7	7.7	9.3	14.2	21.1	29.6	36.1	35.1	32.8
62.5°	6.3	6.5	7.4	9.7	14.2	20.6	27.2	33.4	39.5	38.5	33.5
60°	6.4	6.7	9.3	13.8	18.7	23.8	30.2	34.2	38.1	39.3	31.0
57.5°	6.5	8.2	12.6	17.3	21.7	25.5	27.9	31.4	33.6	34.1	25.5
55°	7.4	10.7	15.4	20.1	23.2	22.3	24.0	26.1	27.0	25.0	18.0
52.5°	9.5	13.1	17.9	21.8	22.2	20.4	20.0	20.9	19.3	16.5	14.3
50°	11.2	15.4	20.0	22.2	21.7	19.4	16.6	16.2	15.6	14.5	13.2
47.5°	13.0	17.5	21.5	23.0	21.3	19.3	16.0	15.6	15.6	16.5	15.7
45°	14.6	18.8	22.9	23.1	22.0	20.4	18.9	17.3	20.4	21.4	21.3
42.5°	16.1	19.6	23.3	23.6	24.1	23.9	23.4	25.1	26.9	28.6	29.1
40°	16.7	20.2	24.4	27.5	27.6	28.8	32.1	35.1	35.2	37.3	38.6
37.5°	17.0	22.1	28.0	34.9	32.8	36.7	42.2	50.4	51.6	46.8	53.5
35°	17.0	24.9	37.3	45.5	44.4	47.1	60.1	72.1	77.6	69.8	80.5
32.5°	18.6	28.4	49.4	58.1	66.1	69.1	81.7	105.7	119.1	124.1	133.1
30°	22.6	39.6	63.3	72.7	95.2	110.3	120.7	149.4	173.9	248.3	303.4
27.5°	27.5	53.2	77.1	98.6	131.9	157.8	180.4	209.8	299.9	435.3	575.9
25°	32.3	71.5	92.3	132.3	177.5	212.4	243.4	285.2	473.8	751.2	869.7
22.5°	42.1	92.5	116.4	170.2	227.2	268.6	313.6	426.5	681.3	1098.2	1147.0
20°	58.0	112.7	149.3	212.7	282.3	324.8	384.5	574.9	916.1	1234.7	1366.8
17.5°	75.2	134.8	185.4	262.9	347.2	395.4	465.3	717.8	1118.5	1402.1	1579.3
15°	93.0	158.3	220.1	317.8	415.9	482.5	626.7	914.0	1278.3	1598.3	1856.6
12.5°	111.1	182.7	253.3	376.1	487.9	568.5	822.4	1213.4	1546.1	1845.8	2196.5
10°	129.0	207.5	284.6	436.0	561.8	652.9	1037.8	1517.5	1844.3	2137.4	2497.0
7.5°	164.8	240.8	317.7	495.7	636.1	735.2	1263.1	1819.9	2117.8	2392.9	2745.7
5°	203.9	281.9	368.5	566.9	710.5	811.0	1468.3	2112.2	2370.0	2618.1	2962.7
2.5°	242.0	321.0	417.6	635.2	781.7	876.7	1573.3	2272.7	2530.4	2790.7	3149.9
0°	277.4	358.2	464.4	697.4	848.0	938.3	1650.0	2407.7	2664.4	2935.5	3314.3
-2.5°	306.9	396.0	513.8	726.9	866.4	954.0	1624.8	2406.4	2714.4	3015.5	3407.5
-5°	331.4	431.4	559.4	751.3	881.2	966.9	1575.0	2368.4	2755.6	3079.5	3477.8
-7.5°	350.7	463.9	600.4	770.4	890.3	973.4	1553.0	2384.2	2829.4	3135.8	3523.7
-10°	361.2	476.9	603.4	769.6	892.0	974.9	1504.5	2351.6	2890.5	3185.8	3543.1
-12.5°	347.2	471.5	595.5	761.7	892.5	974.3	1411.1	2265.2	2940.6	3233.5	3525.4
-15°	331.6	463.4	582.7	746.1	892.6	972.0	1268.5	2121.3	2912.2	3148.2	3451.5
-17.5°	315.2	452.5	564.8	722.4	892.9	968.2	1065.8	1812.8	2628.1	2967.7	3332.3
-20°	299.0	438.8	541.5	690.2	888.2	942.2	987.5	1499.4	2213.8	2738.2	3106.6



REPORT NUMBER: P731575 (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°	283.4	422.3	517.8	659.4	819.4	897.5	940.6	1196.1	1787.3	2459.3	2769.5
-25°	275.0	398.1	497.2	612.3	747.5	850.9	888.0	941.0	1410.6	2018.3	2461.9
-27.5°	270.6	376.9	469.6	565.4	680.9	795.0	835.1	881.3	1120.3	1586.8	2138.6
-30°	263.6	349.9	440.5	522.7	625.8	723.4	782.0	834.8	899.8	1250.2	1686.7
-32.5°	247.7	321.9	408.9	489.0	574.6	661.0	743.5	801.0	854.0	949.0	1294.3
-35°	229.1	298.2	376.1	454.1	526.5	610.7	696.5	771.8	814.6	858.8	1011.1
-37.5°	213.7	273.1	342.6	417.9	487.6	564.0	647.1	726.7	786.0	826.3	884.1
-40°	197.1	246.6	312.3	381.0	449.1	518.1	594.6	672.0	745.8	807.6	854.1
-42.5°	179.2	226.8	282.1	343.6	408.8	473.7	540.5	614.1	691.8	772.3	832.6
-45°	159.6	206.0	252.1	309.5	367.4	427.8	489.8	554.9	633.5	710.6	787.1
-47.5°	138.5	183.5	228.0	275.1	328.3	382.2	437.7	503.9	573.2	645.9	717.7
-50°	116.7	158.7	203.2	246.1	291.5	339.1	388.6	453.8	519.8	582.8	647.2
-52.5°	95.6	132.2	175.0	218.3	258.5	300.4	347.8	405.1	466.8	527.7	585.1
-55°	73.9	107.7	144.4	186.2	227.6	265.1	309.7	360.6	412.6	470.5	526.1
-57.5°	57.0	82.9	115.0	150.8	190.9	232.0	274.6	317.4	364.9	413.9	461.8
-60°	42.4	61.4	86.0	116.8	150.0	190.2	236.8	279.2	319.6	359.6	403.4
-62.5°	29.4	44.3	61.7	83.1	112.0	145.0	184.9	228.9	275.8	311.3	346.3
-65°	26.3	30.4	42.4	58.3	74.4	101.9	133.5	168.1	207.9	244.2	282.1
-67.5°	23.0	26.6	30.5	36.8	51.1	66.3	82.5	110.6	140.8	166.8	193.8
-70°	20.8	23.0	26.2	29.7	33.3	39.5	52.7	66.8	80.8	96.0	117.7
-72.5°	18.8	20.8	22.9	24.9	27.9	30.9	33.8	36.7	44.8	55.8	65.9
-75°	17.0	18.6	20.5	22.3	23.9	25.6	27.7	30.3	32.7	35.3	38.1
-77.5°	15.4	16.5	17.9	19.5	20.8	21.8	23.1	24.6	26.2	27.8	29.2
-80°	13.8	14.3	15.1	16.1	17.2	18.2	19.0	19.7	20.6	21.8	23.1
-82.5°	12.3	12.7	13.0	13.4	14.0	14.8	15.6	16.4	17.0	17.5	18.1
-85°	10.9	11.1	11.3	11.6	11.9	12.2	12.6	13.1	13.4	13.7	13.9
-87.5°	9.4	9.5	9.6	9.7	10.0	10.2	10.4	10.6	10.8	10.9	11.0
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6



REPORT NUMBER: P731575 (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°	11.1	11.1	11.1	11.1	11.1	13.5	15.8	18.2	20.6	24.2	27.7
87.5°	3.2	3.1	3.1	3.1	3.1	2.7	2.4	2.0	1.6	1.2	0.8
85°	3.2	3.2	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.6	1.6
82.5°	3.2	3.2	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.6	1.6
80°	3.7	3.7	3.6	3.4	3.2	2.8	2.4	2.0	1.6	1.6	1.6
77.5°	4.9	4.5	4.1	3.7	3.3	3.1	3.0	2.9	2.9	2.7	2.4
75°	4.9	4.8	4.9	4.7	4.2	3.9	3.8	3.6	3.3	3.2	3.1
72.5°	9.6	9.6	9.0	8.5	7.6	7.2	7.0	6.5	5.8	5.5	5.4
70°	17.4	17.1	16.4	15.1	12.9	11.1	10.1	9.0	7.9	7.5	7.6
67.5°	25.3	22.7	20.6	18.1	15.0	12.7	11.5	10.1	8.6	7.9	7.9
65°	29.3	23.9	20.3	17.7	15.7	13.4	11.3	9.4	7.7	6.9	7.1
62.5°	27.7	20.7	16.4	13.9	12.0	10.8	9.1	7.8	6.8	6.3	6.4
60°	23.0	15.4	11.6	10.4	9.1	8.0	7.5	6.8	6.0	5.3	5.5
57.5°	17.9	12.3	9.4	9.0	8.5	8.1	7.4	6.7	6.2	5.8	6.1
55°	13.3	11.0	9.6	9.6	9.4	8.7	7.8	7.7	7.5	7.3	7.5
52.5°	11.7	11.6	12.0	11.9	10.8	10.0	9.4	9.4	9.5	9.8	10.2
50°	13.3	13.8	13.5	12.4	12.2	11.8	11.1	11.8	12.7	13.0	13.4
47.5°	15.8	16.1	16.3	15.3	15.5	16.6	16.8	17.3	19.1	20.5	21.7
45°	20.3	22.0	22.5	23.2	23.6	26.0	27.2	27.8	32.8	35.1	35.4
42.5°	29.3	32.0	34.2	37.6	37.1	43.1	50.7	54.8	54.5	52.9	52.9
40°	42.9	47.6	58.0	63.6	69.7	76.5	77.3	68.8	68.9	77.5	77.0
37.5°	66.1	82.4	97.1	110.2	113.5	109.6	111.0	117.4	125.1	125.8	129.6
35°	111.5	144.3	152.0	162.0	173.1	162.6	161.3	171.7	168.2	186.0	198.7
32.5°	192.8	239.4	253.6	265.8	296.5	278.7	229.6	301.1	285.0	305.0	335.3
30°	306.6	398.4	460.1	478.5	486.3	488.4	534.6	575.7	608.1	651.5	712.9
27.5°	580.7	641.6	744.1	801.7	729.2	759.1	877.9	899.5	1021.8	1154.9	1264.0
25°	883.1	951.4	1133.9	1156.8	1096.3	1207.4	1322.4	1346.2	1562.0	1718.7	2093.7
22.5°	1156.5	1270.9	1466.2	1521.6	1572.0	1704.1	1837.6	1996.8	2483.0	3085.9	4180.0
20°	1387.9	1515.5	1706.4	1860.6	1986.4	2155.0	2310.5	2853.9	3901.2	6191.8	8683.3
17.5°	1667.9	1747.0	1983.0	2189.1	2386.4	2627.9	3315.2	4687.7	7719.6	12710.5	17440.9
15°	2045.3	2202.5	2348.9	2572.0	2940.4	3642.9	5159.3	9630.4	15973.1	24678.7	35461.6
12.5°	2480.4	2697.2	2900.3	3089.5	3618.0	5274.9	10113.5	17866.9	28529.3	42513.8	63676.2
10°	2869.0	3200.3	3449.5	3779.7	4803.3	8025.4	15495.0	26456.1	45192.0	69901.4	97518.4
7.5°	3138.7	3532.4	3868.6	4359.5	6028.6	11487.2	21827.7	38897.4	65529.8	98824.2	136078.8
5°	3395.4	3839.3	4169.3	4773.2	6838.7	13892.0	26627.6	49267.7	85436.0	129429.8	177260.8
2.5°	3637.9	4110.3	4434.8	5143.7	7350.2	14988.1	28638.1	55714.6	98312.1	150423.0	207229.7
0°	3862.7	4309.7	4648.9	5317.8	7782.5	16040.5	30348.5	57793.2	102662.1	156603.8	216352.9
-2.5°	3820.7	4153.0	4528.5	5199.0	7371.2	14912.0	28355.2	55351.8	97555.1	149225.4	204184.4
-5°	3806.1	4075.5	4414.5	5022.3	6863.4	12885.1	25183.8	49839.2	89187.1	135752.4	186941.8
-7.5°	3817.3	4031.2	4296.3	4798.9	6250.1	10894.1	21896.2	43204.5	75704.7	115130.3	161356.4
-10°	3841.2	4006.7	4275.5	4717.6	5733.4	8707.5	16570.9	33287.2	59523.2	90881.2	126900.8
-12.5°	3882.7	4105.6	4375.4	4675.8	5214.1	6935.6	13032.5	25839.9	44009.6	66040.0	93447.7
-15°	3868.5	4155.9	4460.6	4646.1	4939.2	5897.4	8453.4	17061.8	30450.9	45061.9	61648.8
-17.5°	3764.3	4108.5	4242.3	4386.3	4564.6	5036.6	6463.2	10290.2	17914.6	27514.7	36846.7
-20°	3522.4	3696.5	3863.9	4035.8	4233.2	4493.7	4937.5	6428.2	8660.9	14108.4	18662.6



REPORT NUMBER: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3068.3	3235.9	3381.0	3659.7	3859.0	4050.4	4294.8	4617.4	5476.1	6824.9	9066.7
-25°	2678.9	2782.1	2986.2	3311.6	3525.8	3640.4	3793.7	3916.0	4210.4	4523.7	5298.0
-27.5°	2367.6	2522.4	2773.9	3058.9	3264.2	3356.4	3436.9	3508.9	3693.7	3821.8	4041.7
-30°	2121.3	2371.9	2607.6	2868.4	3057.2	3166.7	3201.1	3304.9	3425.4	3516.9	3605.9
-32.5°	1768.0	2208.9	2423.3	2639.2	2852.5	2987.4	3079.8	3161.6	3274.7	3344.9	3380.0
-35°	1387.5	1839.0	2261.1	2405.9	2561.0	2754.7	2912.4	2995.6	3070.0	3137.7	3180.4
-37.5°	1047.1	1416.9	1809.9	2163.3	2329.2	2474.2	2703.6	2842.5	2909.9	3010.9	3068.3
-40°	908.1	1013.1	1348.4	1679.3	1977.1	2307.2	2530.4	2744.5	2956.2	3085.9	3170.1
-42.5°	877.0	919.8	959.6	1191.6	1489.4	1788.5	2117.4	2480.5	2784.3	3013.0	3225.5
-45°	851.8	884.5	916.5	952.8	987.7	1216.5	1473.7	1744.4	2093.8	2432.2	2724.3
-47.5°	786.9	848.6	884.7	912.1	940.5	972.2	1001.3	1062.8	1297.7	1547.6	1784.9
-50°	713.1	774.3	829.1	879.8	916.4	941.0	959.3	983.3	1011.4	1036.4	1059.3
-52.5°	640.5	699.8	755.4	810.5	862.2	909.7	953.7	981.4	1002.7	1021.4	1033.0
-55°	579.4	630.5	680.4	734.9	788.0	838.5	886.2	929.2	969.5	1007.2	1028.8
-57.5°	512.6	562.9	612.8	663.2	711.6	758.1	804.2	849.0	891.6	930.5	954.0
-60°	446.5	488.8	538.5	590.1	638.4	683.4	729.2	772.7	813.0	847.2	868.2
-62.5°	384.4	423.9	465.1	511.0	560.7	609.2	650.0	691.1	732.2	767.6	791.8
-65°	318.6	351.7	385.2	421.1	459.1	498.8	539.6	579.7	618.8	650.8	673.8
-67.5°	225.4	258.3	290.2	322.2	351.4	380.7	412.0	443.5	474.9	500.7	521.0
-70°	139.0	159.5	178.8	199.6	224.0	249.5	275.5	299.9	322.4	339.1	351.4
-72.5°	75.0	83.3	93.2	108.7	123.2	138.4	154.2	169.3	183.5	194.0	201.9
-75°	41.1	44.8	51.2	57.3	63.0	69.7	76.7	83.1	89.2	95.1	100.5
-77.5°	31.1	33.0	34.7	36.2	37.5	39.9	42.6	45.3	48.0	51.6	55.4
-80°	24.3	25.2	26.2	27.1	28.1	29.7	31.5	33.2	34.9	36.6	38.1
-82.5°	18.8	19.2	19.7	20.1	20.4	21.5	22.6	23.7	24.7	26.4	28.2
-85°	14.2	14.5	14.8	15.1	15.3	16.1	17.0	17.8	18.7	20.0	21.2
-87.5°	11.1	11.4	11.8	12.2	12.5	13.1	13.6	14.1	14.5	15.7	16.8
-90°	3.2	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.2	0.8



REPORT NUMBER: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.3	34.9	37.2	39.6	37.2	34.9	31.3	27.7	24.2	20.6	18.2
87.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	2.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
77.5°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.7	2.9	2.9
75°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.2	3.3	3.6
72.5°	5.1	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.5	5.8	6.5
70°	7.7	7.8	7.9	7.9	7.9	7.8	7.7	7.6	7.5	7.9	9.0
67.5°	7.9	7.9	7.2	6.3	7.2	7.9	7.9	7.9	7.9	8.6	10.1
65°	7.4	7.8	7.2	6.3	7.2	7.8	7.4	7.1	6.9	7.7	9.4
62.5°	6.4	6.4	6.3	6.3	6.3	6.4	6.4	6.4	6.3	6.8	7.8
60°	5.8	6.2	6.3	6.3	6.3	6.2	5.8	5.5	5.3	6.0	6.8
57.5°	6.2	6.3	6.9	7.9	6.9	6.3	6.2	6.1	5.8	6.2	6.7
55°	7.7	7.8	7.9	7.9	7.9	7.8	7.7	7.5	7.3	7.5	7.7
52.5°	10.6	10.9	11.0	11.1	11.0	10.9	10.6	10.2	9.8	9.5	9.4
50°	13.8	14.1	13.7	12.7	13.7	14.1	13.8	13.4	13.0	12.7	11.8
47.5°	22.8	23.3	23.1	22.2	23.1	23.3	22.8	21.7	20.5	19.1	17.3
45°	36.3	36.3	36.2	36.5	36.2	36.3	36.3	35.4	35.1	32.8	27.8
42.5°	54.3	54.8	55.0	55.5	55.0	54.8	54.3	52.9	52.9	54.5	54.8
40°	78.5	78.9	78.0	76.1	78.0	78.9	78.5	77.0	77.5	68.9	68.8
37.5°	136.2	139.3	138.5	136.3	138.5	139.3	136.2	129.6	125.8	125.1	117.4
35°	203.3	201.5	196.1	196.5	196.1	201.5	203.3	198.7	186.0	168.2	171.7
32.5°	317.7	329.1	332.6	334.4	332.6	329.1	317.7	335.3	305.0	285.0	301.1
30°	756.2	733.3	631.9	600.7	631.9	733.3	756.2	712.9	651.5	608.1	575.7
27.5°	1343.4	1415.7	1482.0	1488.3	1482.0	1415.7	1343.4	1264.0	1154.9	1021.8	899.5
25°	2480.9	2724.6	2827.3	2813.4	2827.3	2724.6	2480.9	2093.7	1718.7	1562.0	1346.2
22.5°	5473.6	6305.4	6738.8	6753.8	6738.8	6305.4	5473.6	4180.0	3085.9	2483.0	1996.8
20°	11943.4	13950.8	14457.8	14306.4	14457.8	13950.8	11943.4	8683.3	6191.8	3901.2	2853.9
17.5°	24626.2	30564.4	34618.5	34897.5	34618.5	30564.4	24626.2	17440.9	12710.5	7719.6	4687.7
15°	47929.9	58845.6	64506.2	65467.9	64506.2	58845.6	47929.9	35461.6	24678.7	15973.1	9630.4
12.5°	83729.9	100344.4	109588.6	111170.6	109588.6	100344.4	83729.9	63676.2	42513.8	28529.3	17866.9
10°	127714.6	150887.7	165955.4	172756.8	165955.4	150887.7	127714.6	97518.4	69901.4	45192.0	26456.1
7.5°	172846.3	209353.9	239168.2	245927.9	239168.2	209353.9	172846.3	136078.8	98824.2	65529.8	38897.4
5°	228680.3	277631.2	306262.5	312874.7	306262.5	277631.2	228680.3	177260.8	129429.8	85436.0	49267.7
2.5°	270084.3	322714.9	352723.6	369214.5	352723.6	322714.9	270084.3	207229.7	150423.0	98312.1	55714.6
0°	282933.6	330823.5	366900.3	392840.8	366900.3	330823.5	282933.6	216352.9	156603.8	102662.1	57793.2
-2.5°	265541.8	316320.3	342497.9	357081.8	342497.9	316320.3	265541.8	204184.4	149225.4	97555.1	55351.8
-5°	237873.6	284550.4	313098.8	321899.8	313098.8	284550.4	237873.6	186941.8	135752.4	89187.1	49839.2
-7.5°	201624.3	235711.1	257091.2	267871.8	257091.2	235711.1	201624.3	161356.4	115130.3	75704.7	43204.5
-10°	162387.8	188258.0	204205.4	210169.7	204205.4	188258.0	162387.8	126900.8	90881.2	59523.2	33287.2
-12.5°	118938.8	139544.0	151795.5	156522.1	151795.5	139544.0	118938.8	93447.7	66040.0	44009.6	25839.9
-15°	78505.1	93358.4	102782.3	106073.1	102782.3	93358.4	78505.1	61648.8	45061.9	30450.9	17061.8
-17.5°	47581.8	55780.8	61881.3	63420.1	61881.3	55780.8	47581.8	36846.7	27514.7	17914.6	10290.2
-20°	25179.5	28869.1	30929.6	32323.4	30929.6	28869.1	25179.5	18662.6	14108.4	8660.9	6428.2



REPORT NUMBER: P731575 (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°	11937.0	13946.3	14872.4	15579.2	14872.4	13946.3	11937.0	9066.7	6824.9	5476.1	4617.4
-25°	5974.0	6389.6	6570.5	6823.5	6570.5	6389.6	5974.0	5298.0	4523.7	4210.4	3916.0
-27.5°	4190.3	4287.8	4326.2	4357.2	4326.2	4287.8	4190.3	4041.7	3821.8	3693.7	3508.9
-30°	3651.6	3667.6	3665.3	3663.0	3665.3	3667.6	3651.6	3605.9	3516.9	3425.4	3304.9
-32.5°	3418.0	3435.0	3433.8	3431.6	3433.8	3435.0	3418.0	3380.0	3344.9	3274.7	3161.6
-35°	3207.9	3230.1	3241.1	3246.1	3241.1	3230.1	3207.9	3180.4	3137.7	3070.0	2995.6
-37.5°	3100.3	3105.0	3092.4	3078.1	3092.4	3105.0	3100.3	3068.3	3010.9	2909.9	2842.5
-40°	3211.5	3286.8	3362.4	3385.6	3362.4	3286.8	3211.5	3170.1	3085.9	2956.2	2744.5
-42.5°	3295.5	3343.9	3365.8	3358.7	3365.8	3343.9	3295.5	3225.5	3013.0	2784.3	2480.5
-45°	2917.4	3067.4	3156.2	3178.0	3156.2	3067.4	2917.4	2724.3	2432.2	2093.8	1744.4
-47.5°	1984.0	2152.0	2257.8	2291.9	2257.8	2152.0	1984.0	1784.9	1547.6	1297.7	1062.8
-50°	1081.5	1102.6	1109.6	1103.2	1109.6	1102.6	1081.5	1059.3	1036.4	1011.4	983.3
-52.5°	1044.4	1057.0	1065.1	1069.9	1065.1	1057.0	1044.4	1033.0	1021.4	1002.7	981.4
-55°	1047.3	1063.4	1072.3	1076.2	1072.3	1063.4	1047.3	1028.8	1007.2	969.5	929.2
-57.5°	974.9	993.0	1001.7	1004.9	1001.7	993.0	974.9	954.0	930.5	891.6	849.0
-60°	887.3	904.5	911.2	913.0	911.2	904.5	887.3	868.2	847.2	813.0	772.7
-62.5°	814.2	834.5	843.2	846.4	843.2	834.5	814.2	791.8	767.6	732.2	691.1
-65°	694.1	711.4	717.3	718.0	717.3	711.4	694.1	673.8	650.8	618.8	579.7
-67.5°	539.1	554.8	560.3	561.1	560.3	554.8	539.1	521.0	500.7	474.9	443.5
-70°	361.4	368.9	372.1	372.5	372.1	368.9	361.4	351.4	339.1	322.4	299.9
-72.5°	208.1	212.6	214.1	214.0	214.1	212.6	208.1	201.9	194.0	183.5	169.3
-75°	105.4	109.7	110.7	111.0	110.7	109.7	105.4	100.5	95.1	89.2	83.1
-77.5°	59.1	62.8	63.3	63.4	63.3	62.8	59.1	55.4	51.6	48.0	45.3
-80°	39.6	41.0	41.2	41.2	41.2	41.0	39.6	38.1	36.6	34.9	33.2
-82.5°	29.9	31.6	31.7	31.7	31.7	31.6	29.9	28.2	26.4	24.7	23.7
-85°	22.5	23.8	24.6	25.4	24.6	23.8	22.5	21.2	20.0	18.7	17.8
-87.5°	17.9	19.1	19.8	20.6	19.8	19.1	17.9	16.8	15.7	14.5	14.1
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.8	13.5	11.1	11.1	11.1	11.1	11.1	10.7	10.3	9.9	9.5
87.5°	2.4	2.7	3.1	3.1	3.1	3.1	3.2	3.6	4.0	4.4	4.8
85°	2.4	2.8	3.2	3.2	3.2	3.2	3.2	3.6	4.0	4.4	4.8
82.5°	2.4	2.8	3.2	3.2	3.2	3.2	3.2	3.6	4.0	4.4	4.8
80°	2.4	2.8	3.2	3.4	3.6	3.7	3.7	3.9	4.2	4.5	4.8
77.5°	3.0	3.1	3.3	3.7	4.1	4.5	4.9	5.2	5.4	5.5	5.6
75°	3.8	3.9	4.2	4.7	4.9	4.8	4.9	5.3	5.7	6.1	6.3
72.5°	7.0	7.2	7.6	8.5	9.0	9.6	9.6	9.0	8.2	7.1	6.3
70°	10.1	11.1	12.9	15.1	16.4	17.1	17.4	16.7	14.5	12.8	10.6
67.5°	11.5	12.7	15.0	18.1	20.6	22.7	25.3	27.7	27.8	25.5	18.3
65°	11.3	13.4	15.7	17.7	20.3	23.9	29.3	32.8	35.1	36.1	29.6
62.5°	9.1	10.8	12.0	13.9	16.4	20.7	27.7	33.5	38.5	39.5	33.4
60°	7.5	8.0	9.1	10.4	11.6	15.4	23.0	31.0	39.3	38.1	34.2
57.5°	7.4	8.1	8.5	9.0	9.4	12.3	17.9	25.5	34.1	33.6	31.4
55°	7.8	8.7	9.4	9.6	9.6	11.0	13.3	18.0	25.0	27.0	26.1
52.5°	9.4	10.0	10.8	11.9	12.0	11.6	11.7	14.3	16.5	19.3	20.9
50°	11.1	11.8	12.2	12.4	13.5	13.8	13.3	13.2	14.5	15.6	16.2
47.5°	16.8	16.6	15.5	15.3	16.3	16.1	15.8	15.7	16.5	15.6	15.6
45°	27.2	26.0	23.6	23.2	22.5	22.0	20.3	21.3	21.4	20.4	17.3
42.5°	50.7	43.1	37.1	37.6	34.2	32.0	29.3	29.1	28.6	26.9	25.1
40°	77.3	76.5	69.7	63.6	58.0	47.6	42.9	38.6	37.3	35.2	35.1
37.5°	111.0	109.6	113.5	110.2	97.1	82.4	66.1	53.5	46.8	51.6	50.4
35°	161.3	162.6	173.1	162.0	152.0	144.3	111.5	80.5	69.8	77.6	72.1
32.5°	229.6	278.7	296.5	265.8	253.6	239.4	192.8	133.1	124.1	119.1	105.7
30°	534.6	488.4	486.3	478.5	460.1	398.4	306.6	303.4	248.3	173.9	149.4
27.5°	877.9	759.1	729.2	801.7	744.1	641.6	580.7	575.9	435.3	299.9	209.8
25°	1322.4	1207.4	1096.3	1156.8	1133.9	951.4	883.1	869.7	751.2	473.8	285.2
22.5°	1837.6	1704.1	1572.0	1521.6	1466.2	1270.9	1156.5	1147.0	1098.2	681.3	426.5
20°	2310.5	2155.0	1986.4	1860.6	1706.4	1515.5	1387.9	1366.8	1234.7	916.1	574.9
17.5°	3315.2	2627.9	2386.4	2189.1	1983.0	1747.0	1667.9	1579.3	1402.1	1118.5	717.8
15°	5159.3	3642.9	2940.4	2572.0	2348.9	2202.5	2045.3	1856.6	1598.3	1278.3	914.0
12.5°	10113.5	5274.9	3618.0	3089.5	2900.3	2697.2	2480.4	2196.5	1845.8	1546.1	1213.4
10°	15495.0	8025.4	4803.3	3779.7	3449.5	3200.3	2869.0	2497.0	2137.4	1844.3	1517.5
7.5°	21827.7	11487.2	6028.6	4359.5	3868.6	3532.4	3138.7	2745.7	2392.9	2117.8	1819.9
5°	26627.6	13892.0	6838.7	4773.2	4169.3	3839.3	3395.4	2962.7	2618.1	2370.0	2112.2
2.5°	28638.1	14988.1	7350.2	5143.7	4434.8	4110.3	3637.9	3149.9	2790.7	2530.4	2272.7
0°	30348.5	16040.5	7782.5	5317.8	4648.9	4309.7	3862.7	3314.3	2935.5	2664.4	2407.7
-2.5°	28355.2	14912.0	7371.2	5199.0	4528.5	4153.0	3820.7	3407.5	3015.5	2714.4	2406.4
-5°	25183.8	12885.1	6863.4	5022.3	4414.5	4075.5	3806.1	3477.8	3079.5	2755.6	2368.4
-7.5°	21896.2	10894.1	6250.1	4798.9	4296.3	4031.2	3817.3	3523.7	3135.8	2829.4	2384.2
-10°	16570.9	8707.5	5733.4	4717.6	4275.5	4006.7	3841.2	3543.1	3185.8	2890.5	2351.6
-12.5°	13032.5	6935.6	5214.1	4675.8	4375.4	4105.6	3882.7	3525.4	3233.5	2940.6	2265.2
-15°	8453.4	5897.4	4939.2	4646.1	4460.6	4155.9	3868.5	3451.5	3148.2	2912.2	2121.3
-17.5°	6463.2	5036.6	4564.6	4386.3	4242.3	4108.5	3764.3	3332.3	2967.7	2628.1	1812.8
-20°	4937.5	4493.7	4233.2	4035.8	3863.9	3696.5	3522.4	3106.6	2738.2	2213.8	1499.4





REPORT NUMBER: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4294.8	4050.4	3859.0	3659.7	3381.0	3235.9	3068.3	2769.5	2459.3	1787.3	1196.1
-25°	3793.7	3640.4	3525.8	3311.6	2986.2	2782.1	2678.9	2461.9	2018.3	1410.6	941.0
-27.5°	3436.9	3356.4	3264.2	3058.9	2773.9	2522.4	2367.6	2138.6	1586.8	1120.3	881.3
-30°	3201.1	3166.7	3057.2	2868.4	2607.6	2371.9	2121.3	1686.7	1250.2	899.8	834.8
-32.5°	3079.8	2987.4	2852.5	2639.2	2423.3	2208.9	1768.0	1294.3	949.0	854.0	801.0
-35°	2912.4	2754.7	2561.0	2405.9	2261.1	1839.0	1387.5	1011.1	858.8	814.6	771.8
-37.5°	2703.6	2474.2	2329.2	2163.3	1809.9	1416.9	1047.1	884.1	826.3	786.0	726.7
-40°	2530.4	2307.2	1977.1	1679.3	1348.4	1013.1	908.1	854.1	807.6	745.8	672.0
-42.5°	2117.4	1788.5	1489.4	1191.6	959.6	919.8	877.0	832.6	772.3	691.8	614.1
-45°	1473.7	1216.5	987.7	952.8	916.5	884.5	851.8	787.1	710.6	633.5	554.9
-47.5°	1001.3	972.2	940.5	912.1	884.7	848.6	786.9	717.7	645.9	573.2	503.9
-50°	959.3	941.0	916.4	879.8	829.1	774.3	713.1	647.2	582.8	519.8	453.8
-52.5°	953.7	909.7	862.2	810.5	755.4	699.8	640.5	585.1	527.7	466.8	405.1
-55°	886.2	838.5	788.0	734.9	680.4	630.5	579.4	526.1	470.5	412.6	360.6
-57.5°	804.2	758.1	711.6	663.2	612.8	562.9	512.6	461.8	413.9	364.9	317.4
-60°	729.2	683.4	638.4	590.1	538.5	488.8	446.5	403.4	359.6	319.6	279.2
-62.5°	650.0	609.2	560.7	511.0	465.1	423.9	384.4	346.3	311.3	275.8	228.9
-65°	539.6	498.8	459.1	421.1	385.2	351.7	318.6	282.1	244.2	207.9	168.1
-67.5°	412.0	380.7	351.4	322.2	290.2	258.3	225.4	193.8	166.8	140.8	110.6
-70°	275.5	249.5	224.0	199.6	178.8	159.5	139.0	117.7	96.0	80.8	66.8
-72.5°	154.2	138.4	123.2	108.7	93.2	83.3	75.0	65.9	55.8	44.8	36.7
-75°	76.7	69.7	63.0	57.3	51.2	44.8	41.1	38.1	35.3	32.7	30.3
-77.5°	42.6	39.9	37.5	36.2	34.7	33.0	31.1	29.2	27.8	26.2	24.6
-80°	31.5	29.7	28.1	27.1	26.2	25.2	24.3	23.1	21.8	20.6	19.7
-82.5°	22.6	21.5	20.4	20.1	19.7	19.2	18.8	18.1	17.5	17.0	16.4
-85°	17.0	16.1	15.3	15.1	14.8	14.5	14.2	13.9	13.7	13.4	13.1
-87.5°	13.6	13.1	12.5	12.2	11.8	11.4	11.1	11.0	10.9	10.8	10.6
-90°	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8





REPORT NUMBER: P731575 (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°	9.1	8.7	8.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	4.8	4.8	4.8	4.8	5.0	5.2	5.3	5.4	5.6	5.8	6.0
85°	4.8	4.8	4.8	4.8	5.2	5.6	5.9	6.1	6.0	6.1	6.2
82.5°	4.8	4.8	4.8	4.8	5.2	5.6	6.0	6.3	6.3	6.3	6.3
80°	4.8	4.8	4.8	4.9	5.2	5.6	6.0	6.3	6.3	6.3	6.3
77.5°	5.3	5.1	4.8	4.9	5.3	5.6	6.0	6.3	6.3	6.3	6.3
75°	6.3	6.0	5.7	5.5	5.5	5.7	6.0	6.3	6.3	6.3	6.3
72.5°	6.3	6.3	6.3	6.3	6.0	6.0	6.1	6.3	6.3	6.3	6.3
70°	8.3	6.7	6.3	6.3	6.3	6.3	6.2	6.4	6.3	6.3	6.3
67.5°	12.0	9.5	7.6	6.5	6.3	6.3	6.3	6.5	6.5	6.3	6.3
65°	21.1	14.2	9.3	7.7	6.7	6.3	6.3	6.6	6.8	6.6	6.3
62.5°	27.2	20.6	14.2	9.7	7.4	6.5	6.3	6.7	7.1	7.0	6.6
60°	30.2	23.8	18.7	13.8	9.3	6.7	6.4	6.8	7.1	7.4	7.0
57.5°	27.9	25.5	21.7	17.3	12.6	8.2	6.5	6.9	7.2	7.6	7.5
55°	24.0	22.3	23.2	20.1	15.4	10.7	7.4	7.0	7.3	7.6	7.9
52.5°	20.0	20.4	22.2	21.8	17.9	13.1	9.5	7.1	7.4	7.7	7.9
50°	16.6	19.4	21.7	22.2	20.0	15.4	11.2	8.3	7.5	7.8	7.9
47.5°	16.0	19.3	21.3	23.0	21.5	17.5	13.0	9.5	7.6	7.9	7.9
45°	18.9	20.4	22.0	23.1	22.9	18.8	14.6	10.4	8.3	8.0	7.9
42.5°	23.4	23.9	24.1	23.6	23.3	19.6	16.1	11.7	8.9	8.1	8.0
40°	32.1	28.8	27.6	27.5	24.4	20.2	16.7	12.8	9.2	8.4	8.1
37.5°	42.2	36.7	32.8	34.9	28.0	22.1	17.0	13.9	10.3	9.0	8.2
35°	60.1	47.1	44.4	45.5	37.3	24.9	17.0	14.5	11.9	9.7	8.4
32.5°	81.7	69.1	66.1	58.1	49.4	28.4	18.6	15.8	13.6	10.5	8.7
30°	120.7	110.3	95.2	72.7	63.3	39.6	22.6	17.4	15.4	11.4	9.0
27.5°	180.4	157.8	131.9	98.6	77.1	53.2	27.5	19.3	17.2	12.5	9.7
25°	243.4	212.4	177.5	132.3	92.3	71.5	32.3	21.5	18.9	14.0	10.4
22.5°	313.6	268.6	227.2	170.2	116.4	92.5	42.1	25.6	20.5	15.5	11.1
20°	384.5	324.8	282.3	212.7	149.3	112.7	58.0	29.5	22.3	16.9	11.8
17.5°	465.3	395.4	347.2	262.9	185.4	134.8	75.2	33.1	24.2	18.3	12.5
15°	626.7	482.5	415.9	317.8	220.1	158.3	93.0	36.5	26.2	19.7	13.2
12.5°	822.4	568.5	487.9	376.1	253.3	182.7	111.1	39.7	28.2	21.0	13.8
10°	1037.8	652.9	561.8	436.0	284.6	207.5	129.0	44.5	31.3	22.4	14.4
7.5°	1263.1	735.2	636.1	495.7	317.7	240.8	164.8	53.5	34.6	23.7	14.8
5°	1468.3	811.0	710.5	566.9	368.5	281.9	203.9	62.8	38.0	24.9	15.3
2.5°	1573.3	876.7	781.7	635.2	417.6	321.0	242.0	72.0	41.3	26.0	15.6
0°	1650.0	938.3	848.0	697.4	464.4	358.2	277.4	80.8	44.4	26.9	15.9
-2.5°	1624.8	954.0	866.4	726.9	513.8	396.0	306.9	104.4	58.0	34.9	19.6
-5°	1575.0	966.9	881.2	751.3	559.4	431.4	331.4	126.6	71.0	42.4	23.1
-7.5°	1553.0	973.4	890.3	770.4	600.4	463.9	350.7	147.0	83.1	49.5	26.4
-10°	1504.5	974.9	892.0	769.6	603.4	476.9	361.2	164.9	94.0	55.7	29.3
-12.5°	1411.1	974.3	892.5	761.7	595.5	471.5	347.2	175.5	103.5	61.0	31.7
-15°	1268.5	972.0	892.6	746.1	582.7	463.4	331.6	181.8	110.9	65.8	33.6
-17.5°	1065.8	968.2	892.9	722.4	564.8	452.5	315.2	186.1	117.0	70.3	35.7
-20°	987.5	942.2	888.2	690.2	541.5	438.8	299.0	188.2	121.7	73.5	37.8



REPORT NUMBER: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	940.6	897.5	819.4	659.4	517.8	422.3	283.4	188.1	124.8	75.5	38.8
-25°	888.0	850.9	747.5	612.3	497.2	398.1	275.0	185.7	126.4	76.2	38.8
-27.5°	835.1	795.0	680.9	565.4	469.6	376.9	270.6	186.6	126.5	75.5	37.5
-30°	782.0	723.4	625.8	522.7	440.5	349.9	263.6	185.6	125.4	74.0	35.1
-32.5°	743.5	661.0	574.6	489.0	408.9	321.9	247.7	182.4	122.3	71.2	33.8
-35°	696.5	610.7	526.5	454.1	376.1	298.2	229.1	177.1	117.3	66.5	32.5
-37.5°	647.1	564.0	487.6	417.9	342.6	273.1	213.7	163.5	110.3	60.0	30.6
-40°	594.6	518.1	449.1	381.0	312.3	246.6	197.1	148.4	101.3	51.7	27.8
-42.5°	540.5	473.7	408.8	343.6	282.1	226.8	179.2	132.1	87.3	45.8	24.4
-45°	489.8	427.8	367.4	309.5	252.1	206.0	159.6	114.5	72.2	41.0	21.7
-47.5°	437.7	382.2	328.3	275.1	228.0	183.5	138.5	96.8	56.5	35.2	20.8
-50°	388.6	339.1	291.5	246.1	203.2	158.7	116.7	78.4	48.2	28.0	19.6
-52.5°	347.8	300.4	258.5	218.3	175.0	132.2	95.6	60.3	39.2	24.4	18.3
-55°	309.7	265.1	227.6	186.2	144.4	107.7	73.9	49.1	29.5	22.4	16.9
-57.5°	274.6	232.0	190.9	150.8	115.0	82.9	57.0	37.1	25.4	20.3	16.0
-60°	236.8	190.2	150.0	116.8	86.0	61.4	42.4	27.7	23.0	18.3	15.0
-62.5°	184.9	145.0	112.0	83.1	61.7	44.3	29.4	25.0	20.4	17.1	13.9
-65°	133.5	101.9	74.4	58.3	42.4	30.4	26.3	22.1	18.8	15.8	12.9
-67.5°	82.5	66.3	51.1	36.8	30.5	26.6	23.0	20.1	17.2	14.4	12.1
-70°	52.7	39.5	33.3	29.7	26.2	23.0	20.8	18.3	15.7	13.5	11.4
-72.5°	33.8	30.9	27.9	24.9	22.9	20.8	18.8	16.7	14.7	12.6	10.6
-75°	27.7	25.6	23.9	22.3	20.5	18.6	17.0	15.5	13.6	11.7	10.0
-77.5°	23.1	21.8	20.8	19.5	17.9	16.5	15.4	14.4	12.6	11.0	9.5
-80°	19.0	18.2	17.2	16.1	15.1	14.3	13.8	13.1	11.6	10.3	9.0
-82.5°	15.6	14.8	14.0	13.4	13.0	12.7	12.3	11.9	10.6	9.5	8.6
-85°	12.6	12.2	11.9	11.6	11.3	11.1	10.9	10.6	9.7	9.0	8.4
-87.5°	10.4	10.2	10.0	9.7	9.6	9.5	9.4	9.2	8.8	8.4	8.1
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.2	5.6	5.9



REPORT NUMBER: P731575 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.5	7.1	6.7	6.3	6.3	6.3
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
70°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
67.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
65°	6.4	6.4	6.3	6.3	6.3	6.3	6.3
62.5°	6.5	6.5	6.3	6.3	6.3	6.3	6.3
60°	6.6	6.6	6.3	6.3	6.3	6.3	6.3
57.5°	6.9	6.8	6.4	6.3	6.3	6.3	6.3
55°	7.2	6.9	6.6	6.3	6.3	6.3	6.3
52.5°	7.5	7.1	6.8	6.3	6.4	6.3	6.3
50°	7.7	7.3	7.0	6.3	6.4	6.3	6.3
47.5°	7.9	7.5	7.1	6.3	6.4	6.3	6.3
45°	7.9	7.6	7.3	6.5	6.5	6.3	6.3
42.5°	7.9	7.7	7.5	6.6	6.5	6.3	6.3
40°	7.9	7.8	7.7	6.8	6.6	6.3	6.3
37.5°	7.9	7.9	7.7	7.0	6.7	6.3	6.3
35°	7.9	7.9	7.8	7.1	6.7	6.3	6.3
32.5°	7.9	7.9	7.9	7.3	6.8	6.3	6.3
30°	8.1	7.9	7.9	7.4	6.9	6.3	6.3
27.5°	8.3	7.9	7.9	7.5	7.0	6.3	6.3
25°	8.5	7.9	7.9	7.6	7.0	6.3	6.3
22.5°	8.7	7.9	7.9	7.7	7.1	6.3	6.3
20°	8.9	8.0	7.9	7.7	7.2	6.3	6.3
17.5°	9.2	8.2	7.9	7.8	7.3	6.3	6.3
15°	9.5	8.4	7.9	7.8	7.4	6.3	6.3
12.5°	9.8	8.5	7.9	7.9	7.5	6.3	6.3
10°	10.1	8.7	7.9	7.9	7.6	6.3	6.3
7.5°	10.4	8.9	7.9	7.9	7.7	6.3	6.3
5°	10.6	9.1	7.9	7.9	7.7	6.3	6.3
2.5°	10.9	9.3	7.9	7.9	7.8	6.3	6.3
0°	11.1	9.5	7.9	7.9	7.9	6.3	6.3
-2.5°	12.4	9.8	8.0	8.0	7.9	6.3	6.3
-5°	13.6	10.2	8.2	8.1	7.9	6.4	6.3
-7.5°	14.7	10.5	8.3	8.2	7.9	6.4	6.3
-10°	15.7	10.7	8.5	8.3	7.9	6.4	6.3
-12.5°	16.6	11.0	8.6	8.4	7.8	6.5	6.3
-15°	17.3	11.1	8.7	8.5	7.8	6.5	6.3
-17.5°	17.8	11.3	8.9	8.5	7.8	6.5	6.3
-20°	18.3	11.4	9.0	8.6	7.8	6.6	6.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.9	11.4	9.1	8.6	7.7	6.6	6.3
-25°	19.2	11.5	9.3	8.6	7.7	6.6	6.3
-27.5°	19.1	11.7	9.4	8.6	7.7	6.6	6.3
-30°	18.5	11.8	9.5	8.6	7.7	6.6	6.3
-32.5°	17.4	11.8	9.7	8.6	7.7	6.7	6.3
-35°	16.9	11.6	9.8	8.5	7.7	6.7	6.3
-37.5°	16.7	11.6	9.9	8.5	7.6	6.7	6.3
-40°	16.4	11.7	10.0	8.4	7.6	6.7	6.3
-42.5°	15.9	11.7	10.0	8.3	7.6	6.7	6.3
-45°	15.3	11.7	9.8	8.1	7.6	6.7	6.3
-47.5°	14.6	11.6	9.7	8.0	7.6	6.7	6.3
-50°	14.2	11.4	9.5	8.0	7.6	6.7	6.3
-52.5°	13.8	11.2	9.3	8.0	7.6	6.7	6.3
-55°	13.3	10.8	9.0	8.0	7.7	6.7	6.3
-57.5°	12.7	10.5	8.8	8.0	7.7	6.7	6.3
-60°	12.0	10.1	8.5	8.0	7.7	6.6	6.3
-62.5°	11.4	9.6	8.4	8.0	7.6	6.6	6.3
-65°	10.8	9.2	8.3	8.0	7.5	6.6	6.3
-67.5°	10.2	8.8	8.3	7.9	7.4	6.6	6.3
-70°	9.5	8.7	8.2	7.9	7.3	6.6	6.3
-72.5°	9.1	8.4	8.0	7.8	7.2	6.5	6.3
-75°	8.7	8.2	7.9	7.6	7.1	6.5	6.3
-77.5°	8.3	8.0	7.8	7.5	7.0	6.5	6.3
-80°	7.9	7.8	7.6	7.3	6.8	6.4	6.3
-82.5°	7.9	7.8	7.5	7.2	6.7	6.4	6.3
-85°	7.9	7.7	7.4	7.0	6.6	6.4	6.3
-87.5°	7.9	7.6	7.2	6.9	6.4	6.3	6.3
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3

(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

