

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: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-3S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-70-3S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

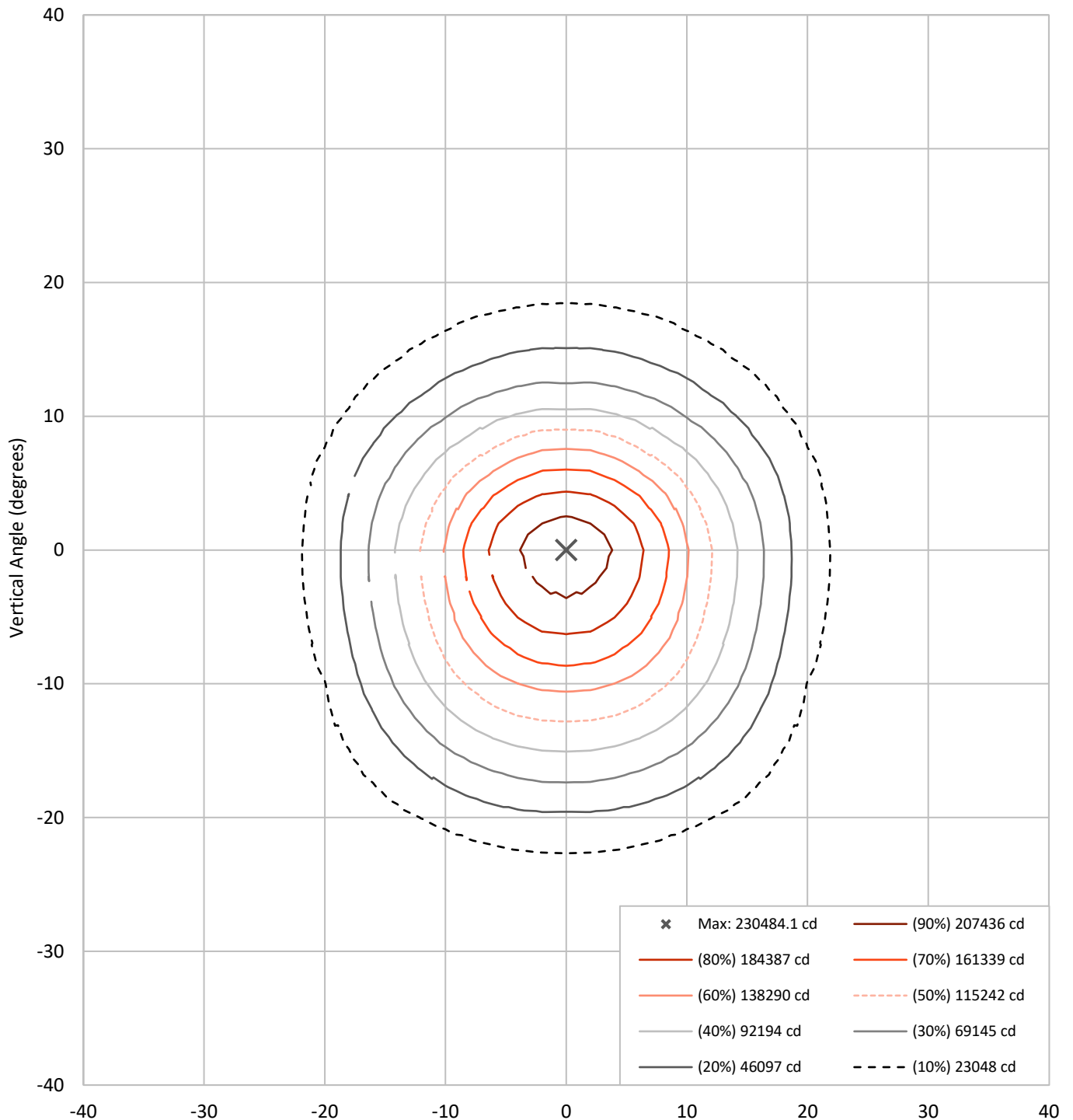
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45494.8 lumens	Max Intensity:	230484.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	132.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	20614.3 lumens	Field Lumens:	39010.9 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 344.2  
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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### Iso-Candela Plot





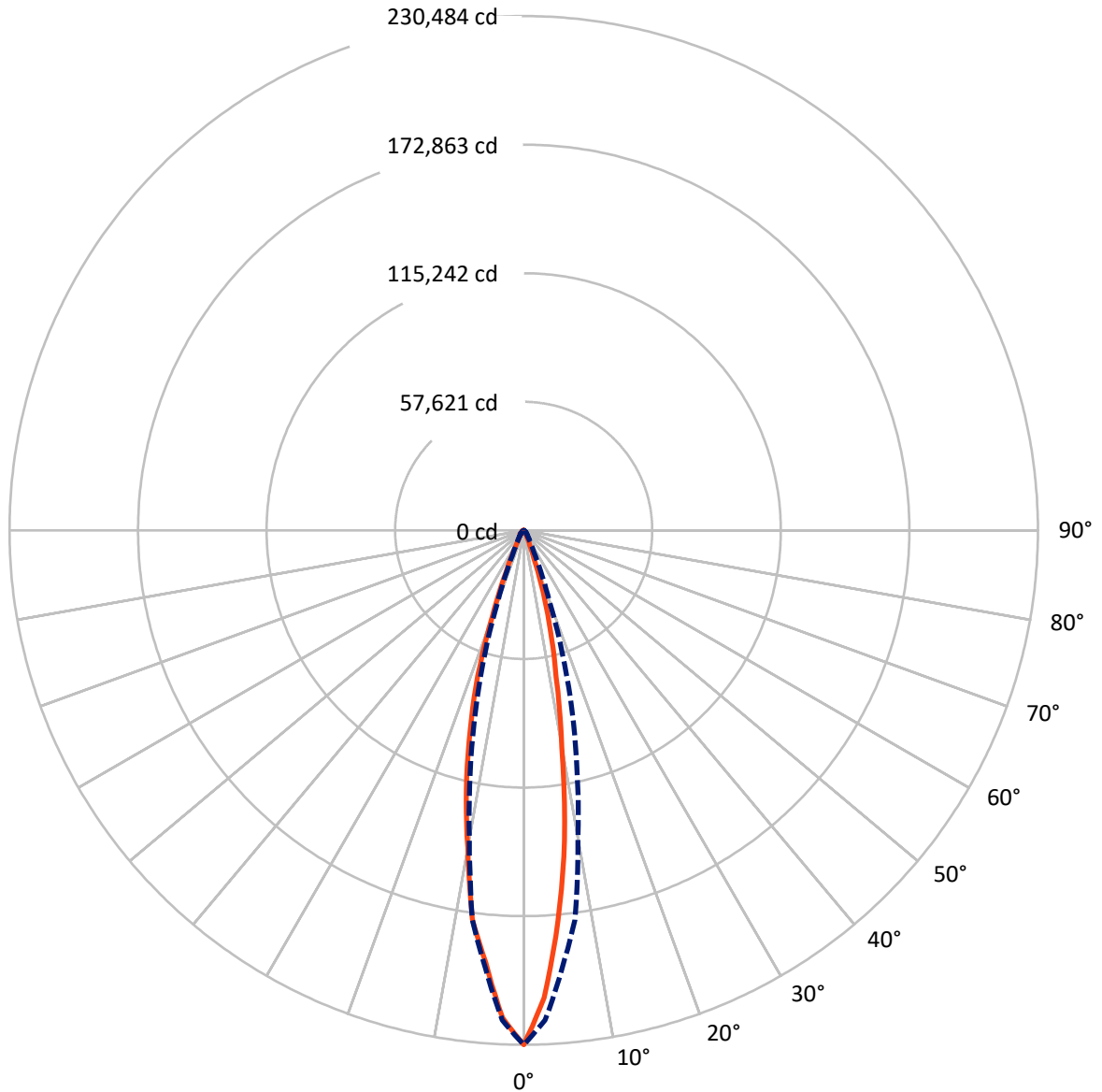
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### Lumen Table

90	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1	
70	0.1		0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.1	0.1	0.1	
60	0.1		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1	0.1		
50	0.2		0.1	0.3	0.3	0.4	0.6	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.1	0.2	
40	0.2		0.1	0.6	1.2	2.5	3.8	4.8	5.9	5.9	4.8	3.8	2.5	1.2	0.6	0.1	0.2	
30	0.2		0.3	1.9	6.0	15.8	27.3	62.5	130.7	130.7	62.5	27.3	15.8	6.0	1.9	0.3	0.2	
20	0.2		0.6	4.5	16.1	39.8	109.2	574.1	1348.0	1348.0	574.1	109.2	39.8	16.1	4.5	0.6	0.2	
10	0.2		1.2	7.9	30.2	73.0	328.8	1981.7	4533.4	4533.4	1981.7	328.8	73.0	30.2	7.9	1.2	0.2	
0	0.2		2.0	10.5	36.5	83.7	354.9	2286.9	5153.5	5153.5	2286.9	354.9	83.7	36.5	10.5	2.0	0.2	
-10	0.4		2.3	10.6	34.7	76.9	206.8	1169.3	2560.2	2560.2	1169.3	206.8	76.9	34.7	10.6	2.3	0.4	
-20	0.4		2.2	8.9	22.7	52.9	93.3	214.4	436.8	436.8	214.4	93.3	52.9	22.7	8.9	2.2	0.4	
-30	0.3		1.9	6.4	13.9	30.7	54.9	75.9	91.9	91.9	75.9	54.9	30.7	13.9	6.4	1.9	0.3	
-40	0.3		1.3	4.5	9.8	17.6	30.3	49.2	64.0	64.0	49.2	30.3	17.6	9.8	4.5	1.3	0.3	
-50	0.2		0.6	2.8	6.4	11.5	17.3	22.6	25.9	25.9	22.6	17.3	11.5	6.4	2.8	0.6	0.2	
-60	0.2		0.2	1.0	3.3	6.5	10.4	14.3	16.7	16.7	14.3	10.4	6.5	3.3	1.0	0.2	0.2	
-70	0.1		0.6		2.3		6.3		9.0		6.3		2.3		0.6		0.1	
-80	0.1		0.6		2.3		6.3		9.0		6.3		2.3		0.6		0.1	
-90	0.1		0.6		2.3		6.3		9.0		6.3		2.3		0.6		0.1	

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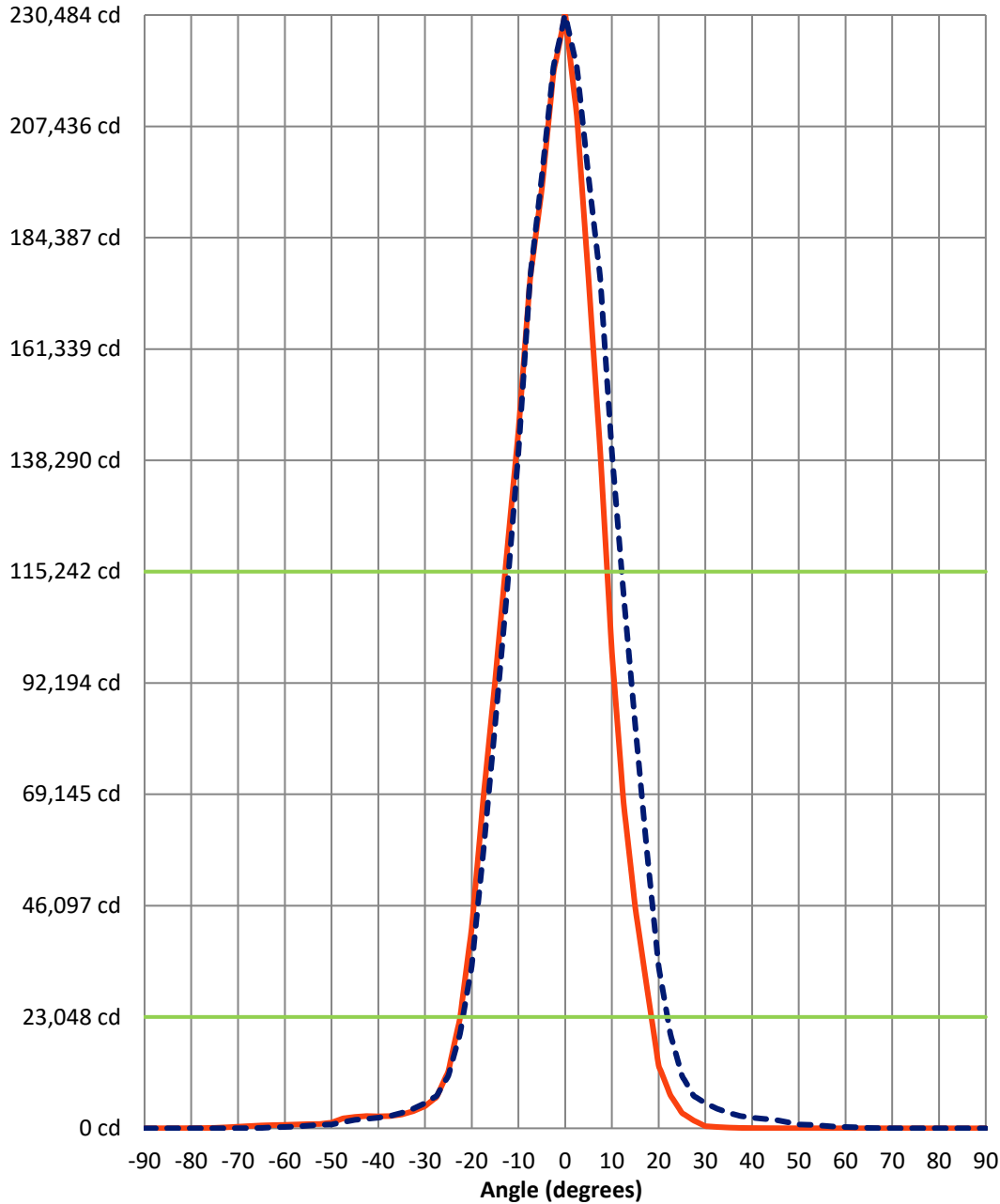
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24.2°  
V Angle: 21.8°  
Lumens: 20614.3  
Efficiency: 45.3%

**Field:**  
H Angle: 43.8°  
V Angle: 40.9°  
Lumens: 39010.9  
Efficiency: 85.7%

**Spill:**  
Lumens: 6483.8  
Efficiency: 14.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2	6.5	6.8	7.1
87.5°	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9
85°	5.9	6.0	6.1	6.1	6.1	6.0	5.9	5.9	5.9	5.9	5.9
82.5°	5.9	6.0	6.2	6.3	6.2	6.1	5.9	5.9	5.9	5.9	5.9
80°	5.9	6.0	6.3	6.4	6.3	6.2	6.0	6.1	6.1	6.1	5.9
77.5°	5.9	6.0	6.4	6.5	6.4	6.3	6.3	6.4	6.4	6.2	6.0
75°	5.9	6.0	6.5	6.6	6.6	6.5	6.6	6.7	6.6	6.3	6.0
72.5°	5.9	6.1	6.6	6.7	6.7	6.7	6.9	6.9	6.6	6.3	6.0
70°	5.9	6.1	6.7	6.9	6.8	6.9	7.1	6.9	6.6	6.3	6.1
67.5°	5.9	6.1	6.7	6.9	6.9	7.0	7.1	7.0	6.7	6.4	6.1
65°	5.9	6.1	6.8	6.9	6.9	7.1	7.1	7.0	6.7	6.4	6.3
62.5°	5.9	6.1	6.9	7.0	7.0	7.1	7.1	7.0	6.8	6.5	6.7
60°	5.9	6.2	6.9	7.0	7.1	7.1	7.1	7.1	6.8	6.8	7.0
57.5°	5.9	6.2	6.9	7.0	7.1	7.1	7.1	7.1	6.9	7.0	7.1
55°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1
52.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
50°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.6
47.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.3	7.1	7.1	8.2
45°	5.9	6.2	6.9	7.1	7.1	7.1	7.2	7.4	7.2	7.5	8.6
42.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.3	7.5	7.2	7.8	9.1
40°	5.9	6.2	6.9	7.1	7.1	7.1	7.5	7.5	7.4	8.1	9.4
37.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.6	7.6	7.8	8.5	9.6
35°	5.9	6.2	6.9	7.1	7.1	7.2	7.8	7.7	8.1	9.0	9.6
32.5°	5.9	6.2	6.9	7.1	7.1	7.3	7.9	7.7	8.4	9.5	10.5
30°	5.9	6.2	6.9	7.1	7.1	7.4	8.0	7.9	8.7	10.2	11.5
27.5°	5.9	6.1	7.0	7.1	7.1	7.6	8.1	8.1	9.1	10.9	12.8
25°	5.9	6.1	7.0	7.1	7.1	7.7	8.1	8.4	9.7	11.8	14.5
22.5°	5.9	6.1	7.0	7.1	7.1	7.8	8.2	8.6	10.2	13.0	17.6
20°	5.9	6.1	7.0	7.1	7.1	7.9	8.3	8.8	10.8	14.3	20.7
17.5°	5.9	6.1	7.0	7.1	7.1	8.0	8.4	9.0	11.4	15.6	23.6
15°	5.9	6.1	7.0	7.1	7.1	8.1	8.5	9.3	12.0	17.1	26.4
12.5°	5.9	6.0	7.1	7.1	7.1	8.2	8.6	9.6	13.0	18.5	29.1
10°	5.9	6.0	7.1	7.1	7.1	8.2	8.8	9.8	14.4	21.3	33.7
7.5°	5.9	6.0	7.1	7.1	7.1	8.2	9.0	10.1	15.9	24.4	43.2
5°	5.9	6.0	7.1	7.1	7.1	8.3	9.2	10.3	17.4	27.4	53.1
2.5°	5.9	5.9	7.1	7.1	7.1	8.3	9.3	10.5	18.8	30.4	62.9
0°	5.9	5.9	7.1	7.1	7.1	8.3	9.5	10.7	20.2	33.2	72.4
-2.5°	5.9	5.9	7.1	7.1	7.1	8.3	10.4	14.2	26.8	44.1	88.0
-5°	5.9	5.9	7.1	7.1	7.1	8.3	11.3	17.6	33.1	54.6	102.5
-7.5°	5.9	5.9	7.1	7.1	7.1	8.2	12.1	20.8	39.0	64.4	115.8
-10°	5.9	5.9	7.1	7.1	7.1	8.2	12.8	23.6	44.3	73.3	127.4
-12.5°	5.9	5.9	7.0	7.1	7.1	8.2	13.4	26.0	48.9	81.1	135.6
-15°	5.9	5.9	7.0	7.1	7.1	8.1	13.7	27.9	53.1	87.4	141.3
-17.5°	5.9	5.9	7.0	7.1	7.1	8.0	13.8	29.6	56.8	92.7	145.3
-20°	5.9	5.9	7.0	7.1	7.1	7.9	14.1	31.1	59.5	96.8	147.7



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.9	5.9	6.9	7.1	7.1	7.8	14.5	31.9	61.1	99.9	148.2
-25°	5.9	5.9	6.9	7.1	7.1	8.0	14.5	31.9	61.6	101.7	147.0
-27.5°	5.9	5.9	6.8	7.1	7.1	8.1	14.1	31.1	60.8	102.2	148.3
-30°	5.9	5.9	6.8	7.1	7.1	8.2	13.3	29.4	59.6	101.2	148.2
-32.5°	5.9	5.9	6.7	7.1	7.2	8.2	12.0	28.1	57.5	98.4	146.5
-35°	5.9	5.9	6.7	7.1	7.3	8.1	11.5	26.6	54.2	93.9	143.2
-37.5°	5.9	5.9	6.6	7.1	7.4	8.1	11.4	24.4	49.6	87.6	132.5
-40°	5.9	5.9	6.5	7.1	7.5	8.2	11.1	21.4	43.7	80.8	120.4
-42.5°	5.9	5.9	6.5	7.1	7.5	8.2	10.7	17.8	38.7	71.2	107.4
-45°	5.9	5.9	6.4	7.1	7.6	8.3	10.2	15.0	33.6	60.4	93.9
-47.5°	5.9	5.9	6.3	7.2	7.6	8.3	9.5	14.1	27.6	48.9	80.9
-50°	5.9	5.9	6.2	7.1	7.6	8.3	9.3	13.1	20.5	40.8	67.0
-52.5°	5.9	5.9	6.2	7.0	7.6	8.3	9.3	11.8	17.1	32.0	52.6
-55°	5.9	5.9	6.1	6.9	7.6	8.3	9.2	10.5	15.3	22.7	42.0
-57.5°	5.9	5.9	6.0	6.8	7.6	8.2	9.1	10.3	13.3	18.6	30.7
-60°	5.9	5.9	5.9	6.7	7.5	8.1	9.0	10.1	11.5	16.0	21.6
-62.5°	5.9	5.9	5.9	6.6	7.4	8.1	8.9	9.8	11.0	13.1	18.2
-65°	5.9	5.9	5.9	6.4	7.2	7.9	8.7	9.5	10.5	12.0	14.6
-67.5°	5.9	5.9	5.9	6.3	7.0	7.8	8.5	9.2	9.9	11.2	12.7
-70°	5.9	5.9	5.9	6.2	6.9	7.5	8.2	8.8	9.4	10.3	11.6
-72.5°	5.9	5.9	5.9	6.1	6.7	7.3	8.0	8.4	8.9	9.6	10.4
-75°	5.9	5.9	5.9	6.1	6.5	7.1	7.7	8.0	8.4	8.9	9.5
-77.5°	5.9	5.9	5.9	6.1	6.4	6.9	7.4	7.7	7.9	8.2	8.5
-80°	5.9	5.9	5.9	6.0	6.3	6.7	7.1	7.3	7.5	7.7	7.9
-82.5°	5.9	5.9	5.9	6.0	6.2	6.5	6.8	7.0	7.1	7.3	7.4
-85°	5.9	5.9	5.9	6.0	6.1	6.3	6.5	6.7	6.9	7.0	7.1
-87.5°	5.9	5.9	5.9	5.9	6.0	6.1	6.2	6.5	6.7	6.9	7.1
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9





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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°	6.8	6.5	6.2	5.9	5.9	5.9	5.9	5.9	5.6	5.3	5.0
87.5°	5.6	5.3	5.0	4.7	4.7	4.7	4.7	4.7	4.4	4.2	3.9
85°	5.6	5.3	5.1	4.9	4.9	4.9	4.8	4.7	4.4	4.2	3.9
82.5°	5.7	5.6	5.6	5.6	5.5	5.3	5.0	4.7	4.5	4.2	3.9
80°	5.9	5.9	5.9	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9
77.5°	5.9	5.9	5.9	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9
75°	5.9	5.9	5.9	5.9	5.7	5.4	5.1	5.1	5.0	4.9	4.8
72.5°	5.9	5.9	5.9	5.9	5.8	5.7	5.7	5.8	6.0	6.1	6.0
70°	5.9	5.9	6.0	6.0	5.9	6.0	6.5	7.2	7.8	8.3	9.8
67.5°	6.0	6.2	6.3	6.2	6.4	7.0	7.7	10.9	14.8	16.6	17.5
65°	6.5	6.7	6.6	6.8	7.1	9.3	12.8	17.4	22.4	23.6	23.4
62.5°	7.0	6.9	7.0	7.7	9.5	12.7	17.5	22.8	28.3	27.3	23.5
60°	7.1	7.1	7.9	9.7	12.1	16.4	21.9	24.5	26.3	26.2	21.5
57.5°	7.1	7.7	9.4	11.8	15.5	19.0	20.2	21.7	23.0	23.7	18.6
55°	7.4	8.7	10.9	14.3	17.0	16.6	17.2	18.2	19.1	18.0	13.4
52.5°	8.2	9.8	12.6	15.6	16.1	14.9	14.0	14.7	14.1	12.3	10.1
50°	8.9	11.0	13.9	15.8	15.4	13.4	11.6	11.9	11.3	9.9	8.6
47.5°	9.7	12.1	14.9	16.1	14.5	13.1	11.6	11.2	10.6	11.0	10.4
45°	10.5	12.9	15.9	15.6	14.6	14.1	13.4	11.8	13.6	14.2	14.1
42.5°	11.0	13.5	15.9	15.3	16.2	16.6	16.3	17.0	18.1	19.7	20.4
40°	11.3	13.9	16.5	18.2	18.7	20.3	22.6	24.3	24.9	27.3	28.9
37.5°	11.5	15.2	18.9	23.5	22.9	26.2	29.9	36.3	38.3	36.0	40.4
35°	11.5	17.2	25.4	31.7	32.5	34.0	43.6	53.3	59.3	53.4	58.9
32.5°	12.7	19.9	33.6	42.5	48.9	50.5	59.9	80.0	90.3	91.7	92.3
30°	15.7	27.5	43.8	55.5	70.0	81.6	90.7	113.7	130.2	171.0	203.9
27.5°	19.5	36.8	56.1	74.9	96.5	118.1	139.8	158.0	211.2	287.9	373.3
25°	23.3	50.2	69.8	98.7	131.7	163.1	192.4	217.2	321.0	478.1	583.1
22.5°	30.6	66.0	89.4	125.3	170.4	211.8	247.9	313.4	458.7	691.2	804.2
20°	42.5	82.8	113.6	157.3	213.7	262.1	304.4	414.0	625.9	843.9	984.2
17.5°	55.5	100.3	139.9	197.5	269.7	323.2	366.7	511.8	788.1	996.4	1139.3
15°	69.2	118.4	165.8	241.3	331.1	397.5	485.5	663.9	931.3	1146.1	1321.3
12.5°	83.4	136.7	191.2	287.5	396.3	472.4	630.5	889.2	1127.8	1315.0	1577.3
10°	97.4	154.9	215.8	334.8	463.7	547.4	789.9	1111.8	1342.4	1535.1	1836.6
7.5°	124.9	180.5	242.2	381.8	531.7	621.7	957.0	1328.5	1543.4	1739.5	2057.3
5°	154.6	213.4	283.3	440.4	599.1	688.6	1112.3	1535.0	1731.9	1929.3	2244.4
2.5°	183.3	245.1	322.9	497.3	662.4	743.1	1205.2	1649.8	1854.2	2076.8	2403.6
0°	210.0	275.3	360.7	549.4	720.3	793.9	1280.4	1746.8	1956.8	2200.1	2543.0
-2.5°	231.5	304.9	396.1	579.0	740.4	822.8	1295.8	1782.4	2009.8	2270.4	2609.9
-5°	249.5	332.4	428.8	603.5	756.0	848.3	1292.7	1795.1	2054.3	2323.7	2670.9
-7.5°	263.6	357.3	458.4	621.2	764.1	860.4	1288.9	1812.0	2103.1	2360.0	2720.3
-10°	271.3	367.6	464.7	618.8	762.1	863.1	1260.7	1801.8	2142.9	2386.4	2735.8
-12.5°	263.2	364.3	463.1	611.0	756.7	862.6	1199.5	1762.7	2174.6	2404.4	2706.5
-15°	253.7	358.9	456.7	597.8	748.5	858.9	1101.9	1693.4	2158.7	2338.6	2620.8
-17.5°	243.3	351.5	445.3	579.1	737.6	852.2	958.8	1517.6	1995.6	2226.2	2528.0
-20°	232.6	342.0	428.3	555.0	722.2	819.4	891.5	1295.3	1762.4	2087.5	2365.6



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	221.9	330.4	410.2	532.8	666.4	765.3	841.8	1068.5	1520.9	1915.9	2123.4
-25°	216.3	313.6	395.1	491.9	607.0	709.7	784.1	864.8	1268.6	1648.1	1909.3
-27.5°	213.6	298.3	372.7	451.1	550.6	650.8	721.8	797.9	1019.8	1378.4	1691.6
-30°	208.7	277.5	349.2	414.3	502.7	589.4	659.2	737.6	826.9	1116.6	1405.8
-32.5°	197.0	256.4	324.8	387.3	457.9	533.8	611.0	687.8	764.2	869.6	1134.7
-35°	183.3	238.7	300.3	359.7	415.8	488.6	565.8	641.4	706.3	773.6	920.3
-37.5°	172.2	219.6	276.1	332.3	385.3	447.6	518.7	592.1	658.3	719.2	802.8
-40°	160.1	199.1	253.3	306.5	356.3	409.9	473.2	539.4	607.8	678.9	744.3
-42.5°	146.7	184.4	229.5	281.0	327.7	377.0	427.7	488.9	556.1	631.2	699.0
-45°	131.5	168.8	205.8	253.0	298.0	343.3	390.8	439.3	505.3	572.6	643.7
-47.5°	115.5	151.8	187.4	225.1	267.9	309.3	352.8	402.3	454.2	515.7	578.4
-50°	99.0	133.3	167.9	202.1	238.7	276.2	314.5	364.6	413.9	462.1	515.9
-52.5°	82.3	114.1	147.0	179.9	212.4	246.1	282.8	326.9	373.5	418.6	463.3
-55°	64.7	94.3	125.1	156.3	187.3	218.0	253.6	292.8	333.1	376.2	417.7
-57.5°	49.8	73.4	101.9	131.7	160.9	190.9	225.8	259.5	296.2	334.2	371.5
-60°	36.3	54.5	77.3	104.8	133.4	162.8	197.3	230.7	262.0	292.5	327.4
-62.5°	23.9	38.1	55.3	76.0	102.0	131.4	162.4	195.3	230.8	258.6	285.9
-65°	19.6	24.3	36.0	52.2	69.4	94.4	122.6	153.1	183.8	211.5	240.6
-67.5°	15.2	19.6	23.7	29.8	44.7	61.2	79.0	104.2	130.9	154.1	177.6
-70°	13.3	15.2	18.7	22.3	25.8	32.6	47.2	62.7	78.0	92.9	112.1
-72.5°	11.7	13.4	15.3	17.2	20.2	23.4	26.8	30.3	39.0	50.5	61.1
-75°	10.4	11.6	13.1	14.8	16.3	17.9	19.7	22.5	25.3	27.9	30.5
-77.5°	9.3	10.2	11.3	12.4	13.4	14.6	15.9	17.2	18.5	19.9	21.4
-80°	8.3	8.8	9.6	10.5	11.0	11.6	12.3	13.1	13.9	14.6	15.5
-82.5°	7.7	8.0	8.4	8.8	8.9	8.8	8.8	9.0	9.5	10.0	10.5
-85°	7.1	7.1	7.3	7.4	7.6	7.6	7.6	7.6	7.5	7.5	7.4
-87.5°	6.9	6.8	6.7	6.6	6.6	6.7	6.7	6.7	6.5	6.2	6.0
-90°	5.6	5.3	5.0	4.7	4.7	4.7	4.7	4.7	4.4	4.2	3.9



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.7	4.7	4.7	4.7	4.7	5.0	5.3	5.6	5.9	6.8	7.7
87.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
82.5°	3.6	3.5	3.4	3.3	3.3	3.0	2.8	2.5	2.3	2.0	1.8
80°	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4	2.1	1.8
77.5°	3.8	3.8	3.8	3.7	3.6	3.4	3.1	2.7	2.4	2.1	1.8
75°	4.7	4.6	4.4	4.1	3.7	3.4	3.1	2.8	2.5	2.4	2.3
72.5°	5.8	5.5	5.3	5.6	5.5	5.4	5.2	4.9	4.3	4.3	4.4
70°	10.8	11.3	11.4	10.9	9.7	8.7	7.9	7.0	6.0	5.7	5.7
67.5°	17.3	16.5	15.5	14.1	12.1	10.3	9.2	8.2	7.2	6.8	6.9
65°	21.5	17.8	15.3	13.3	11.7	10.3	9.1	8.0	6.9	6.2	6.1
62.5°	19.7	15.4	12.8	11.2	10.1	9.1	7.7	6.5	5.6	5.1	5.3
60°	16.9	12.4	9.6	8.3	7.1	6.0	5.4	5.1	4.8	4.7	4.8
57.5°	13.4	9.4	7.0	6.5	5.9	5.1	4.8	4.9	4.9	4.7	4.7
55°	9.9	8.0	7.1	6.8	6.5	6.1	5.8	5.7	5.6	5.5	5.6
52.5°	8.0	8.0	8.1	8.0	7.7	7.3	7.0	7.0	7.1	7.3	7.7
50°	8.8	9.1	9.3	9.2	8.9	8.6	8.2	8.6	9.1	9.6	10.0
47.5°	10.3	10.7	11.3	10.5	10.7	11.3	10.9	11.1	12.8	13.9	14.6
45°	13.1	15.2	15.7	16.2	16.3	17.5	18.1	18.5	21.9	23.3	23.4
42.5°	20.8	22.8	24.4	26.0	25.7	29.6	34.8	37.6	37.5	36.9	37.5
40°	31.5	33.6	38.4	42.1	47.8	52.8	53.1	48.2	48.8	54.4	54.9
37.5°	47.3	53.9	63.5	74.1	77.0	73.7	75.6	79.2	82.9	88.1	94.2
35°	75.4	97.4	101.8	110.0	115.4	110.1	112.1	121.6	121.7	138.5	147.7
32.5°	133.7	167.6	178.0	170.7	184.9	193.5	167.1	200.4	206.7	223.9	245.1
30°	218.0	288.6	310.5	300.3	338.8	350.9	327.6	394.5	433.8	433.1	532.3
27.5°	414.3	449.5	490.5	553.0	561.1	582.0	713.9	815.9	945.5	1068.0	1227.0
25°	633.8	653.9	771.3	848.6	886.8	1026.2	1221.7	1381.2	1656.1	1912.7	2446.7
22.5°	836.1	910.8	1054.0	1177.8	1316.9	1541.4	1811.1	2107.0	2837.5	3736.1	4863.7
20°	1034.5	1132.8	1303.9	1526.5	1748.6	2054.0	2412.5	3350.1	4786.4	6963.2	9315.8
17.5°	1258.5	1353.1	1586.3	1900.7	2238.4	2696.3	3796.0	5587.4	8637.5	12896.0	17004.2
15°	1549.3	1712.1	1970.1	2434.6	3081.1	4160.1	5952.8	10371.6	16461.0	23083.4	30183.3
12.5°	1889.6	2157.9	2577.9	3178.1	4109.0	6658.2	11163.4	18258.9	27358.7	36659.7	48328.9
10°	2219.0	2667.7	3310.4	4256.2	6108.1	10125.8	16837.7	27078.2	41020.9	55401.7	68289.0
7.5°	2508.2	3102.1	3966.9	5292.4	8232.5	14038.9	23694.6	37964.4	55343.1	73113.9	90443.5
5°	2803.7	3509.8	4517.7	6068.5	9527.9	16871.5	29265.2	47930.4	68927.3	90451.0	113069.3
2.5°	3046.2	3852.0	4977.4	6711.8	10293.5	18393.8	32719.7	54871.7	79131.9	103773.4	131917.9
0°	3192.1	4064.3	5204.7	6731.9	10894.7	19593.0	33573.0	57328.8	83440.1	110532.8	139989.3
-2.5°	3196.7	4020.0	5093.9	6668.1	10766.0	19265.2	33632.6	57267.5	83208.4	109301.2	138370.0
-5°	3186.7	3919.3	4927.8	6439.1	9995.9	17554.9	31052.4	53557.2	79108.0	103801.4	130278.1
-7.5°	3171.5	3786.1	4691.8	6072.8	9010.2	15490.6	28080.6	48682.0	72789.0	95789.8	119490.9
-10°	3153.8	3648.2	4474.6	5758.5	8117.3	13035.2	22588.9	41350.7	63465.2	84689.9	104125.4
-12.5°	3138.7	3591.6	4299.6	5325.7	7031.9	10923.1	19070.9	33792.7	51701.1	69623.0	86839.9
-15°	3080.8	3516.5	4156.9	5004.2	6387.5	9108.8	14236.7	24412.8	39118.0	53275.3	66942.4
-17.5°	2962.2	3409.8	3812.7	4472.3	5470.1	7244.7	10604.3	16736.2	26178.1	37244.8	46886.8
-20°	2729.8	3036.6	3370.8	3931.1	4699.0	5633.2	7165.4	10659.4	15148.8	22367.4	27422.8



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2384.7	2642.8	2924.0	3297.2	3837.2	4496.6	5314.1	6605.9	8948.5	11730.7	14805.7
-25°	2070.0	2255.4	2516.0	2836.7	3125.7	3555.8	4128.8	4629.9	5641.8	6460.3	8151.5
-27.5°	1831.4	1985.6	2221.6	2470.3	2683.6	2914.1	3312.7	3667.0	4159.3	4589.1	5276.7
-30°	1658.9	1816.9	2006.5	2195.1	2397.7	2593.1	2771.5	3040.1	3335.4	3615.8	3979.5
-32.5°	1446.0	1695.2	1832.5	1991.9	2172.2	2343.1	2479.2	2649.0	2811.6	2997.3	3196.8
-35°	1223.5	1495.8	1706.6	1829.1	1963.0	2126.2	2265.7	2381.8	2489.5	2604.8	2710.2
-37.5°	961.4	1262.4	1502.5	1683.8	1806.1	1920.0	2069.6	2181.2	2252.4	2348.1	2420.1
-40°	826.4	946.8	1219.8	1466.1	1623.7	1803.2	1942.3	2060.6	2191.0	2292.8	2351.5
-42.5°	760.5	830.4	903.0	1104.2	1350.8	1566.3	1745.7	1940.1	2114.6	2253.4	2382.5
-45°	709.6	759.2	811.0	877.7	946.7	1148.4	1369.6	1597.0	1800.6	1990.9	2154.2
-47.5°	641.7	699.8	747.0	789.2	831.6	893.5	959.8	1052.0	1247.7	1446.2	1635.4
-50°	571.7	625.2	677.3	726.3	766.1	797.3	822.3	863.0	922.0	980.7	1038.3
-52.5°	505.9	555.5	602.7	650.2	696.7	738.0	774.5	803.3	826.9	847.1	860.8
-55°	458.8	497.8	534.6	579.8	624.5	666.0	704.5	739.8	772.0	801.3	821.5
-57.5°	409.8	448.1	486.2	524.2	561.1	596.8	632.7	667.6	700.4	730.2	750.2
-60°	361.3	394.0	431.8	471.1	507.9	542.3	575.6	606.9	636.1	661.2	677.4
-62.5°	315.5	346.4	379.0	414.4	451.6	488.0	521.4	553.1	583.1	607.5	623.1
-65°	269.1	295.1	323.1	352.3	382.5	413.5	445.3	477.7	510.3	536.5	553.7
-67.5°	202.2	228.2	255.6	284.2	309.9	333.6	356.5	380.1	404.0	423.9	439.5
-70°	131.5	150.9	170.0	189.6	211.0	232.6	253.4	272.8	290.8	305.2	316.9
-72.5°	71.1	80.5	91.0	105.9	120.2	134.6	148.9	162.3	174.8	184.2	191.6
-75°	32.9	37.2	45.2	52.7	59.5	66.5	73.2	79.4	85.1	89.1	92.2
-77.5°	23.4	25.3	27.2	29.1	31.1	33.7	36.5	39.3	42.0	44.6	47.1
-80°	16.4	17.5	18.6	19.6	20.5	22.0	23.7	25.3	26.9	28.6	30.1
-82.5°	11.0	11.7	12.4	13.1	13.7	14.6	15.5	16.3	17.2	18.5	19.8
-85°	7.4	7.7	8.1	8.4	8.8	9.5	10.2	11.0	11.6	12.6	13.5
-87.5°	5.7	5.7	5.7	5.8	5.8	6.4	7.0	7.6	8.2	9.1	10.1
-90°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.6	9.5	10.1	10.7	10.1	9.5	8.6	7.7	6.8	5.9	5.6
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.5
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.8
72.5°	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.4	4.3	4.3	4.9
70°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7	6.0	7.0
67.5°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.8	7.2	8.2
65°	6.0	5.9	5.9	5.9	5.9	5.9	6.0	6.1	6.2	6.9	8.0
62.5°	5.5	5.8	5.9	5.9	5.9	5.8	5.5	5.3	5.1	5.6	6.5
60°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.7	4.8	5.1
57.5°	4.7	4.7	5.2	5.9	5.2	4.7	4.7	4.7	4.7	4.9	4.9
55°	5.7	5.8	6.3	7.1	6.3	5.8	5.7	5.6	5.5	5.6	5.7
52.5°	7.9	8.1	8.3	8.3	8.3	8.1	7.9	7.7	7.3	7.1	7.0
50°	10.3	10.5	10.7	10.7	10.7	10.5	10.3	10.0	9.6	9.1	8.6
47.5°	15.1	15.2	15.3	15.4	15.3	15.2	15.1	14.6	13.9	12.8	11.1
45°	24.2	24.5	24.7	24.9	24.7	24.5	24.2	23.4	23.3	21.9	18.5
42.5°	39.0	39.7	39.7	39.2	39.7	39.7	39.0	37.5	36.9	37.5	37.6
40°	55.7	55.8	55.1	54.6	55.1	55.8	55.7	54.9	54.4	48.8	48.2
37.5°	97.0	93.5	87.2	84.3	87.2	93.5	97.0	94.2	88.1	82.9	79.2
35°	150.1	152.3	153.0	151.9	153.0	152.3	150.1	147.7	138.5	121.7	121.6
32.5°	250.9	263.0	266.9	274.1	266.9	263.0	250.9	245.1	223.9	206.7	200.4
30°	516.7	513.1	468.1	448.6	468.1	513.1	516.7	532.3	433.1	433.8	394.5
27.5°	1391.8	1552.1	1628.5	1622.2	1628.5	1552.1	1391.8	1227.0	1068.0	945.5	815.9
25°	2866.4	3124.0	3294.8	3182.6	3294.8	3124.0	2866.4	2446.7	1912.7	1656.1	1381.2
22.5°	5913.9	6475.2	6781.2	6890.9	6781.2	6475.2	5913.9	4863.7	3736.1	2837.5	2107.0
20°	11851.3	12911.3	13685.4	13039.0	13685.4	12911.3	11851.3	9315.8	6963.2	4786.4	3350.1
17.5°	22001.9	25299.3	28216.2	29127.8	28216.2	25299.3	22001.9	17004.2	12896.0	8637.5	5587.4
15°	37028.2	42596.8	45906.7	45713.8	45906.7	42596.8	37028.2	30183.3	23083.4	16461.0	10371.6
12.5°	56972.1	63844.0	68429.2	67409.5	68429.2	63844.0	56972.1	48328.9	36659.7	27358.7	18258.9
10°	80936.3	91344.9	98907.7	98559.4	98907.7	91344.9	80936.3	68289.0	55401.7	41020.9	27078.2
7.5°	105781.8	122869.0	137700.1	140195.8	137700.1	122869.0	105781.8	90443.5	73113.9	55343.1	37964.4
5°	137822.0	160343.7	175072.4	175914.3	175072.4	160343.7	137822.0	113069.3	90451.0	68927.3	47930.4
2.5°	163812.1	189648.3	202078.1	209609.0	202078.1	189648.3	163812.1	131917.9	103773.4	79131.9	54871.7
0°	175988.4	196991.8	219716.9	230484.1	219716.9	196991.8	175988.4	139989.3	110532.8	83440.1	57328.8
-2.5°	170993.0	193499.6	207134.8	218546.3	207134.8	193499.6	170993.0	138370.0	109301.2	83208.4	57267.5
-5°	159663.7	181964.0	193402.9	194470.1	193402.9	181964.0	159663.7	130278.1	103801.4	79108.0	53557.2
-7.5°	141168.2	160077.7	172087.4	175824.1	172087.4	160077.7	141168.2	119490.9	95789.8	72789.0	48682.0
-10°	121512.3	135111.3	142872.9	144361.0	142872.9	135111.3	121512.3	104125.4	84689.9	63465.2	41350.7
-12.5°	101077.1	112210.6	117566.2	118736.2	117566.2	112210.6	101077.1	86839.9	69623.0	51701.1	33792.7
-15°	78440.0	86817.7	91639.8	92478.9	91639.8	86817.7	78440.0	66942.4	53275.3	39118.0	24412.8
-17.5°	55989.0	62796.5	67681.3	68330.4	67681.3	62796.5	55989.0	46886.8	37244.8	26178.1	16736.2
-20°	34393.9	39025.7	41883.5	41464.3	41883.5	39025.7	34393.9	27422.8	22367.4	15148.8	10659.4



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18517.2	21013.9	22221.6	22845.6	22221.6	21013.9	18517.2	14805.7	11730.7	8948.5	6605.9
-25°	9788.1	10845.5	11388.1	11813.2	11388.1	10845.5	9788.1	8151.5	6460.3	5641.8	4629.9
-27.5°	5824.0	6187.7	6389.6	6500.5	6389.6	6187.7	5824.0	5276.7	4589.1	4159.3	3667.0
-30°	4269.6	4443.8	4535.9	4581.7	4535.9	4443.8	4269.6	3979.5	3615.8	3335.4	3040.1
-32.5°	3356.9	3460.3	3523.8	3546.9	3523.8	3460.3	3356.9	3196.8	2997.3	2811.6	2649.0
-35°	2784.6	2819.2	2831.7	2853.9	2831.7	2819.2	2784.6	2710.2	2604.8	2489.5	2381.8
-37.5°	2475.0	2507.1	2522.8	2535.9	2522.8	2507.1	2475.0	2420.1	2348.1	2252.4	2181.2
-40°	2378.6	2412.7	2447.7	2473.0	2447.7	2412.7	2378.6	2351.5	2292.8	2191.0	2060.6
-42.5°	2438.8	2494.6	2533.0	2538.3	2533.0	2494.6	2438.8	2382.5	2253.4	2114.6	1940.1
-45°	2247.0	2310.5	2345.2	2356.7	2345.2	2310.5	2247.0	2154.2	1990.9	1800.6	1597.0
-47.5°	1803.0	1948.3	2035.0	2054.1	2035.0	1948.3	1803.0	1635.4	1446.2	1247.7	1052.0
-50°	1094.3	1146.0	1174.5	1178.4	1174.5	1146.0	1094.3	1038.3	980.7	922.0	863.0
-52.5°	871.6	880.8	886.6	890.0	886.6	880.8	871.6	860.8	847.1	826.9	803.3
-55°	839.2	854.7	863.4	867.4	863.4	854.7	839.2	821.5	801.3	772.0	739.8
-57.5°	768.1	783.8	790.9	792.7	790.9	783.8	768.1	750.2	730.2	700.4	667.6
-60°	692.1	705.5	709.7	709.6	709.7	705.5	692.1	677.4	661.2	636.1	606.9
-62.5°	638.0	651.9	658.7	662.2	658.7	651.9	638.0	623.1	607.5	583.1	553.1
-65°	568.7	581.4	586.7	588.6	586.7	581.4	568.7	553.7	536.5	510.3	477.7
-67.5°	453.4	465.4	468.8	468.7	468.8	465.4	453.4	439.5	423.9	404.0	380.1
-70°	326.8	334.8	336.1	334.6	336.1	334.8	326.8	316.9	305.2	290.8	272.8
-72.5°	197.6	202.2	204.0	204.1	204.0	202.2	197.6	191.6	184.2	174.8	162.3
-75°	94.5	96.2	97.6	98.5	97.6	96.2	94.5	92.2	89.1	85.1	79.4
-77.5°	49.5	51.7	52.7	53.4	52.7	51.7	49.5	47.1	44.6	42.0	39.3
-80°	31.6	33.0	33.2	33.2	33.2	33.0	31.6	30.1	28.6	26.9	25.3
-82.5°	21.1	22.4	22.5	22.5	22.5	22.4	21.1	19.8	18.5	17.2	16.3
-85°	14.5	15.4	16.0	16.6	16.0	15.4	14.5	13.5	12.6	11.6	11.0
-87.5°	11.0	11.9	11.9	11.9	11.9	11.9	11.0	10.1	9.1	8.2	7.6
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.5



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.3	5.0	4.7	4.7	4.7	4.7	4.7	5.0	5.3	5.6	5.9
87.5°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7
85°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7
82.5°	2.8	3.0	3.3	3.3	3.4	3.5	3.6	3.9	4.2	4.5	4.7
80°	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8
77.5°	3.1	3.4	3.6	3.7	3.8	3.8	3.8	3.9	4.2	4.5	4.8
75°	3.1	3.4	3.7	4.1	4.4	4.6	4.7	4.8	4.9	5.0	5.1
72.5°	5.2	5.4	5.5	5.6	5.3	5.5	5.8	6.0	6.1	6.0	5.8
70°	7.9	8.7	9.7	10.9	11.4	11.3	10.8	9.8	8.3	7.8	7.2
67.5°	9.2	10.3	12.1	14.1	15.5	16.5	17.3	17.5	16.6	14.8	10.9
65°	9.1	10.3	11.7	13.3	15.3	17.8	21.5	23.4	23.6	22.4	17.4
62.5°	7.7	9.1	10.1	11.2	12.8	15.4	19.7	23.5	27.3	28.3	22.8
60°	5.4	6.0	7.1	8.3	9.6	12.4	16.9	21.5	26.2	26.3	24.5
57.5°	4.8	5.1	5.9	6.5	7.0	9.4	13.4	18.6	23.7	23.0	21.7
55°	5.8	6.1	6.5	6.8	7.1	8.0	9.9	13.4	18.0	19.1	18.2
52.5°	7.0	7.3	7.7	8.0	8.1	8.0	8.0	10.1	12.3	14.1	14.7
50°	8.2	8.6	8.9	9.2	9.3	9.1	8.8	8.6	9.9	11.3	11.9
47.5°	10.9	11.3	10.7	10.5	11.3	10.7	10.3	10.4	11.0	10.6	11.2
45°	18.1	17.5	16.3	16.2	15.7	15.2	13.1	14.1	14.2	13.6	11.8
42.5°	34.8	29.6	25.7	26.0	24.4	22.8	20.8	20.4	19.7	18.1	17.0
40°	53.1	52.8	47.8	42.1	38.4	33.6	31.5	28.9	27.3	24.9	24.3
37.5°	75.6	73.7	77.0	74.1	63.5	53.9	47.3	40.4	36.0	38.3	36.3
35°	112.1	110.1	115.4	110.0	101.8	97.4	75.4	58.9	53.4	59.3	53.3
32.5°	167.1	193.5	184.9	170.7	178.0	167.6	133.7	92.3	91.7	90.3	80.0
30°	327.6	350.9	338.8	300.3	310.5	288.6	218.0	203.9	171.0	130.2	113.7
27.5°	713.9	582.0	561.1	553.0	490.5	449.5	414.3	373.3	287.9	211.2	158.0
25°	1221.7	1026.2	886.8	848.6	771.3	653.9	633.8	583.1	478.1	321.0	217.2
22.5°	1811.1	1541.4	1316.9	1177.8	1054.0	910.8	836.1	804.2	691.2	458.7	313.4
20°	2412.5	2054.0	1748.6	1526.5	1303.9	1132.8	1034.5	984.2	843.9	625.9	414.0
17.5°	3796.0	2696.3	2238.4	1900.7	1586.3	1353.1	1258.5	1139.3	996.4	788.1	511.8
15°	5952.8	4160.1	3081.1	2434.6	1970.1	1712.1	1549.3	1321.3	1146.1	931.3	663.9
12.5°	11163.4	6658.2	4109.0	3178.1	2577.9	2157.9	1889.6	1577.3	1315.0	1127.8	889.2
10°	16837.7	10125.8	6108.1	4256.2	3310.4	2667.7	2219.0	1836.6	1535.1	1342.4	1111.8
7.5°	23694.6	14038.9	8232.5	5292.4	3966.9	3102.1	2508.2	2057.3	1739.5	1543.4	1328.5
5°	29265.2	16871.5	9527.9	6068.5	4517.7	3509.8	2803.7	2244.4	1929.3	1731.9	1535.0
2.5°	32719.7	18393.8	10293.5	6711.8	4977.4	3852.0	3046.2	2403.6	2076.8	1854.2	1649.8
0°	33573.0	19593.0	10894.7	6731.9	5204.7	4064.3	3192.1	2543.0	2200.1	1956.8	1746.8
-2.5°	33632.6	19265.2	10766.0	6668.1	5093.9	4020.0	3196.7	2609.9	2270.4	2009.8	1782.4
-5°	31052.4	17554.9	9995.9	6439.1	4927.8	3919.3	3186.7	2670.9	2323.7	2054.3	1795.1
-7.5°	28080.6	15490.6	9010.2	6072.8	4691.8	3786.1	3171.5	2720.3	2360.0	2103.1	1812.0
-10°	22588.9	13035.2	8117.3	5758.5	4474.6	3648.2	3153.8	2735.8	2386.4	2142.9	1801.8
-12.5°	19070.9	10923.1	7031.9	5325.7	4299.6	3591.6	3138.7	2706.5	2404.4	2174.6	1762.7
-15°	14236.7	9108.8	6387.5	5004.2	4156.9	3516.5	3080.8	2620.8	2338.6	2158.7	1693.4
-17.5°	10604.3	7244.7	5470.1	4472.3	3812.7	3409.8	2962.2	2528.0	2226.2	1995.6	1517.6
-20°	7165.4	5633.2	4699.0	3931.1	3370.8	3036.6	2729.8	2365.6	2087.5	1762.4	1295.3





REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5314.1	4496.6	3837.2	3297.2	2924.0	2642.8	2384.7	2123.4	1915.9	1520.9	1068.5
-25°	4128.8	3555.8	3125.7	2836.7	2516.0	2255.4	2070.0	1909.3	1648.1	1268.6	864.8
-27.5°	3312.7	2914.1	2683.6	2470.3	2221.6	1985.6	1831.4	1691.6	1378.4	1019.8	797.9
-30°	2771.5	2593.1	2397.7	2195.1	2006.5	1816.9	1658.9	1405.8	1116.6	826.9	737.6
-32.5°	2479.2	2343.1	2172.2	1991.9	1832.5	1695.2	1446.0	1134.7	869.6	764.2	687.8
-35°	2265.7	2126.2	1963.0	1829.1	1706.6	1495.8	1223.5	920.3	773.6	706.3	641.4
-37.5°	2069.6	1920.0	1806.1	1683.8	1502.5	1262.4	961.4	802.8	719.2	658.3	592.1
-40°	1942.3	1803.2	1623.7	1466.1	1219.8	946.8	826.4	744.3	678.9	607.8	539.4
-42.5°	1745.7	1566.3	1350.8	1104.2	903.0	830.4	760.5	699.0	631.2	556.1	488.9
-45°	1369.6	1148.4	946.7	877.7	811.0	759.2	709.6	643.7	572.6	505.3	439.3
-47.5°	959.8	893.5	831.6	789.2	747.0	699.8	641.7	578.4	515.7	454.2	402.3
-50°	822.3	797.3	766.1	726.3	677.3	625.2	571.7	515.9	462.1	413.9	364.6
-52.5°	774.5	738.0	696.7	650.2	602.7	555.5	505.9	463.3	418.6	373.5	326.9
-55°	704.5	666.0	624.5	579.8	534.6	497.8	458.8	417.7	376.2	333.1	292.8
-57.5°	632.7	596.8	561.1	524.2	486.2	448.1	409.8	371.5	334.2	296.2	259.5
-60°	575.6	542.3	507.9	471.1	431.8	394.0	361.3	327.4	292.5	262.0	230.7
-62.5°	521.4	488.0	451.6	414.4	379.0	346.4	315.5	285.9	258.6	230.8	195.3
-65°	445.3	413.5	382.5	352.3	323.1	295.1	269.1	240.6	211.5	183.8	153.1
-67.5°	356.5	333.6	309.9	284.2	255.6	228.2	202.2	177.6	154.1	130.9	104.2
-70°	253.4	232.6	211.0	189.6	170.0	150.9	131.5	112.1	92.9	78.0	62.7
-72.5°	148.9	134.6	120.2	105.9	91.0	80.5	71.1	61.1	50.5	39.0	30.3
-75°	73.2	66.5	59.5	52.7	45.2	37.2	32.9	30.5	27.9	25.3	22.5
-77.5°	36.5	33.7	31.1	29.1	27.2	25.3	23.4	21.4	19.9	18.5	17.2
-80°	23.7	22.0	20.5	19.6	18.6	17.5	16.4	15.5	14.6	13.9	13.1
-82.5°	15.5	14.6	13.7	13.1	12.4	11.7	11.0	10.5	10.0	9.5	9.0
-85°	10.2	9.5	8.8	8.4	8.1	7.7	7.4	7.4	7.5	7.5	7.6
-87.5°	7.0	6.4	5.8	5.8	5.7	5.7	5.7	6.0	6.2	6.5	6.7
-90°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7





REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.9	5.9	5.9	5.9	6.2	6.5	6.8	7.1	6.8	6.5	6.2
87.5°	4.7	4.7	4.7	4.7	5.0	5.3	5.6	5.9	5.9	5.9	5.9
85°	4.8	4.9	4.9	4.9	5.1	5.3	5.6	5.9	5.9	5.9	5.9
82.5°	5.0	5.3	5.5	5.6	5.6	5.6	5.7	5.9	5.9	5.9	5.9
80°	5.1	5.4	5.7	5.9	5.9	5.9	5.9	5.9	6.1	6.1	6.1
77.5°	5.1	5.4	5.7	5.9	5.9	5.9	5.9	6.0	6.2	6.4	6.4
75°	5.1	5.4	5.7	5.9	5.9	5.9	5.9	6.0	6.3	6.6	6.7
72.5°	5.7	5.7	5.8	5.9	5.9	5.9	5.9	6.0	6.3	6.6	6.9
70°	6.5	6.0	5.9	6.0	6.0	5.9	5.9	6.1	6.3	6.6	6.9
67.5°	7.7	7.0	6.4	6.2	6.3	6.2	6.0	6.1	6.4	6.7	7.0
65°	12.8	9.3	7.1	6.8	6.6	6.7	6.5	6.3	6.4	6.7	7.0
62.5°	17.5	12.7	9.5	7.7	7.0	6.9	7.0	6.7	6.5	6.8	7.0
60°	21.9	16.4	12.1	9.7	7.9	7.1	7.1	7.0	6.8	6.8	7.1
57.5°	20.2	19.0	15.5	11.8	9.4	7.7	7.1	7.1	7.0	6.9	7.1
55°	17.2	16.6	17.0	14.3	10.9	8.7	7.4	7.1	7.1	7.0	7.1
52.5°	14.0	14.9	16.1	15.6	12.6	9.8	8.2	7.1	7.1	7.1	7.1
50°	11.6	13.4	15.4	15.8	13.9	11.0	8.9	7.6	7.1	7.1	7.2
47.5°	11.6	13.1	14.5	16.1	14.9	12.1	9.7	8.2	7.1	7.1	7.3
45°	13.4	14.1	14.6	15.6	15.9	12.9	10.5	8.6	7.5	7.2	7.4
42.5°	16.3	16.6	16.2	15.3	15.9	13.5	11.0	9.1	7.8	7.2	7.5
40°	22.6	20.3	18.7	18.2	16.5	13.9	11.3	9.4	8.1	7.4	7.5
37.5°	29.9	26.2	22.9	23.5	18.9	15.2	11.5	9.6	8.5	7.8	7.6
35°	43.6	34.0	32.5	31.7	25.4	17.2	11.5	9.6	9.0	8.1	7.7
32.5°	59.9	50.5	48.9	42.5	33.6	19.9	12.7	10.5	9.5	8.4	7.7
30°	90.7	81.6	70.0	55.5	43.8	27.5	15.7	11.5	10.2	8.7	7.9
27.5°	139.8	118.1	96.5	74.9	56.1	36.8	19.5	12.8	10.9	9.1	8.1
25°	192.4	163.1	131.7	98.7	69.8	50.2	23.3	14.5	11.8	9.7	8.4
22.5°	247.9	211.8	170.4	125.3	89.4	66.0	30.6	17.6	13.0	10.2	8.6
20°	304.4	262.1	213.7	157.3	113.6	82.8	42.5	20.7	14.3	10.8	8.8
17.5°	366.7	323.2	269.7	197.5	139.9	100.3	55.5	23.6	15.6	11.4	9.0
15°	485.5	397.5	331.1	241.3	165.8	118.4	69.2	26.4	17.1	12.0	9.3
12.5°	630.5	472.4	396.3	287.5	191.2	136.7	83.4	29.1	18.5	13.0	9.6
10°	789.9	547.4	463.7	334.8	215.8	154.9	97.4	33.7	21.3	14.4	9.8
7.5°	957.0	621.7	531.7	381.8	242.2	180.5	124.9	43.2	24.4	15.9	10.1
5°	1112.3	688.6	599.1	440.4	283.3	213.4	154.6	53.1	27.4	17.4	10.3
2.5°	1205.2	743.1	662.4	497.3	322.9	245.1	183.3	62.9	30.4	18.8	10.5
0°	1280.4	793.9	720.3	549.4	360.7	275.3	210.0	72.4	33.2	20.2	10.7
-2.5°	1295.8	822.8	740.4	579.0	396.1	304.9	231.5	88.0	44.1	26.8	14.2
-5°	1292.7	848.3	756.0	603.5	428.8	332.4	249.5	102.5	54.6	33.1	17.6
-7.5°	1288.9	860.4	764.1	621.2	458.4	357.3	263.6	115.8	64.4	39.0	20.8
-10°	1260.7	863.1	762.1	618.8	464.7	367.6	271.3	127.4	73.3	44.3	23.6
-12.5°	1199.5	862.6	756.7	611.0	463.1	364.3	263.2	135.6	81.1	48.9	26.0
-15°	1101.9	858.9	748.5	597.8	456.7	358.9	253.7	141.3	87.4	53.1	27.9
-17.5°	958.8	852.2	737.6	579.1	445.3	351.5	243.3	145.3	92.7	56.8	29.6
-20°	891.5	819.4	722.2	555.0	428.3	342.0	232.6	147.7	96.8	59.5	31.1



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	841.8	765.3	666.4	532.8	410.2	330.4	221.9	148.2	99.9	61.1	31.9
-25°	784.1	709.7	607.0	491.9	395.1	313.6	216.3	147.0	101.7	61.6	31.9
-27.5°	721.8	650.8	550.6	451.1	372.7	298.3	213.6	148.3	102.2	60.8	31.1
-30°	659.2	589.4	502.7	414.3	349.2	277.5	208.7	148.2	101.2	59.6	29.4
-32.5°	611.0	533.8	457.9	387.3	324.8	256.4	197.0	146.5	98.4	57.5	28.1
-35°	565.8	488.6	415.8	359.7	300.3	238.7	183.3	143.2	93.9	54.2	26.6
-37.5°	518.7	447.6	385.3	332.3	276.1	219.6	172.2	132.5	87.6	49.6	24.4
-40°	473.2	409.9	356.3	306.5	253.3	199.1	160.1	120.4	80.8	43.7	21.4
-42.5°	427.7	377.0	327.7	281.0	229.5	184.4	146.7	107.4	71.2	38.7	17.8
-45°	390.8	343.3	298.0	253.0	205.8	168.8	131.5	93.9	60.4	33.6	15.0
-47.5°	352.8	309.3	267.9	225.1	187.4	151.8	115.5	80.9	48.9	27.6	14.1
-50°	314.5	276.2	238.7	202.1	167.9	133.3	99.0	67.0	40.8	20.5	13.1
-52.5°	282.8	246.1	212.4	179.9	147.0	114.1	82.3	52.6	32.0	17.1	11.8
-55°	253.6	218.0	187.3	156.3	125.1	94.3	64.7	42.0	22.7	15.3	10.5
-57.5°	225.8	190.9	160.9	131.7	101.9	73.4	49.8	30.7	18.6	13.3	10.3
-60°	197.3	162.8	133.4	104.8	77.3	54.5	36.3	21.6	16.0	11.5	10.1
-62.5°	162.4	131.4	102.0	76.0	55.3	38.1	23.9	18.2	13.1	11.0	9.8
-65°	122.6	94.4	69.4	52.2	36.0	24.3	19.6	14.6	12.0	10.5	9.5
-67.5°	79.0	61.2	44.7	29.8	23.7	19.6	15.2	12.7	11.2	9.9	9.2
-70°	47.2	32.6	25.8	22.3	18.7	15.2	13.3	11.6	10.3	9.4	8.8
-72.5°	26.8	23.4	20.2	17.2	15.3	13.4	11.7	10.4	9.6	8.9	8.4
-75°	19.7	17.9	16.3	14.8	13.1	11.6	10.4	9.5	8.9	8.4	8.0
-77.5°	15.9	14.6	13.4	12.4	11.3	10.2	9.3	8.5	8.2	7.9	7.7
-80°	12.3	11.6	11.0	10.5	9.6	8.8	8.3	7.9	7.7	7.5	7.3
-82.5°	8.8	8.8	8.9	8.8	8.4	8.0	7.7	7.4	7.3	7.1	7.0
-85°	7.6	7.6	7.6	7.4	7.3	7.1	7.1	7.1	7.0	6.9	6.7
-87.5°	6.7	6.7	6.6	6.6	6.7	6.8	6.9	7.1	6.9	6.7	6.5
-90°	4.7	4.7	4.7	4.7	5.0	5.3	5.6	5.9	5.9	5.9	5.9



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	5.9	6.0	6.0	6.0	6.0	5.9	5.9
85°	5.9	6.0	6.1	6.1	6.1	6.0	5.9
82.5°	5.9	6.1	6.2	6.3	6.2	6.0	5.9
80°	6.0	6.2	6.3	6.4	6.3	6.0	5.9
77.5°	6.3	6.3	6.4	6.5	6.4	6.0	5.9
75°	6.6	6.5	6.6	6.6	6.5	6.0	5.9
72.5°	6.9	6.7	6.7	6.7	6.6	6.1	5.9
70°	7.1	6.9	6.8	6.9	6.7	6.1	5.9
67.5°	7.1	7.0	6.9	6.9	6.7	6.1	5.9
65°	7.1	7.1	6.9	6.9	6.8	6.1	5.9
62.5°	7.1	7.1	7.0	7.0	6.9	6.1	5.9
60°	7.1	7.1	7.1	7.0	6.9	6.2	5.9
57.5°	7.1	7.1	7.1	7.0	6.9	6.2	5.9
55°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
52.5°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
50°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
47.5°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
45°	7.2	7.1	7.1	7.1	6.9	6.2	5.9
42.5°	7.3	7.1	7.1	7.1	6.9	6.2	5.9
40°	7.5	7.1	7.1	7.1	6.9	6.2	5.9
37.5°	7.6	7.1	7.1	7.1	6.9	6.2	5.9
35°	7.8	7.2	7.1	7.1	6.9	6.2	5.9
32.5°	7.9	7.3	7.1	7.1	6.9	6.2	5.9
30°	8.0	7.4	7.1	7.1	6.9	6.2	5.9
27.5°	8.1	7.6	7.1	7.1	7.0	6.1	5.9
25°	8.1	7.7	7.1	7.1	7.0	6.1	5.9
22.5°	8.2	7.8	7.1	7.1	7.0	6.1	5.9
20°	8.3	7.9	7.1	7.1	7.0	6.1	5.9
17.5°	8.4	8.0	7.1	7.1	7.0	6.1	5.9
15°	8.5	8.1	7.1	7.1	7.0	6.1	5.9
12.5°	8.6	8.2	7.1	7.1	7.1	6.0	5.9
10°	8.8	8.2	7.1	7.1	7.1	6.0	5.9
7.5°	9.0	8.2	7.1	7.1	7.1	6.0	5.9
5°	9.2	8.3	7.1	7.1	7.1	6.0	5.9
2.5°	9.3	8.3	7.1	7.1	7.1	5.9	5.9
0°	9.5	8.3	7.1	7.1	7.1	5.9	5.9
-2.5°	10.4	8.3	7.1	7.1	7.1	5.9	5.9
-5°	11.3	8.3	7.1	7.1	7.1	5.9	5.9
-7.5°	12.1	8.2	7.1	7.1	7.1	5.9	5.9
-10°	12.8	8.2	7.1	7.1	7.1	5.9	5.9
-12.5°	13.4	8.2	7.1	7.1	7.0	5.9	5.9
-15°	13.7	8.1	7.1	7.1	7.0	5.9	5.9
-17.5°	13.8	8.0	7.1	7.1	7.0	5.9	5.9
-20°	14.1	7.9	7.1	7.1	7.0	5.9	5.9



REPORT NUMBER: P701420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.5	7.8	7.1	7.1	6.9	5.9	5.9
-25°	14.5	8.0	7.1	7.1	6.9	5.9	5.9
-27.5°	14.1	8.1	7.1	7.1	6.8	5.9	5.9
-30°	13.3	8.2	7.1	7.1	6.8	5.9	5.9
-32.5°	12.0	8.2	7.2	7.1	6.7	5.9	5.9
-35°	11.5	8.1	7.3	7.1	6.7	5.9	5.9
-37.5°	11.4	8.1	7.4	7.1	6.6	5.9	5.9
-40°	11.1	8.2	7.5	7.1	6.5	5.9	5.9
-42.5°	10.7	8.2	7.5	7.1	6.5	5.9	5.9
-45°	10.2	8.3	7.6	7.1	6.4	5.9	5.9
-47.5°	9.5	8.3	7.6	7.2	6.3	5.9	5.9
-50°	9.3	8.3	7.6	7.1	6.2	5.9	5.9
-52.5°	9.3	8.3	7.6	7.0	6.2	5.9	5.9
-55°	9.2	8.3	7.6	6.9	6.1	5.9	5.9
-57.5°	9.1	8.2	7.6	6.8	6.0	5.9	5.9
-60°	9.0	8.1	7.5	6.7	5.9	5.9	5.9
-62.5°	8.9	8.1	7.4	6.6	5.9	5.9	5.9
-65°	8.7	7.9	7.2	6.4	5.9	5.9	5.9
-67.5°	8.5	7.8	7.0	6.3	5.9	5.9	5.9
-70°	8.2	7.5	6.9	6.2	5.9	5.9	5.9
-72.5°	8.0	7.3	6.7	6.1	5.9	5.9	5.9
-75°	7.7	7.1	6.5	6.1	5.9	5.9	5.9
-77.5°	7.4	6.9	6.4	6.1	5.9	5.9	5.9
-80°	7.1	6.7	6.3	6.0	5.9	5.9	5.9
-82.5°	6.8	6.5	6.2	6.0	5.9	5.9	5.9
-85°	6.5	6.3	6.1	6.0	5.9	5.9	5.9
-87.5°	6.2	6.1	6.0	5.9	5.9	5.9	5.9
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

