

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: P731407 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-2S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731407 (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-08-0320N-57-70-2S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

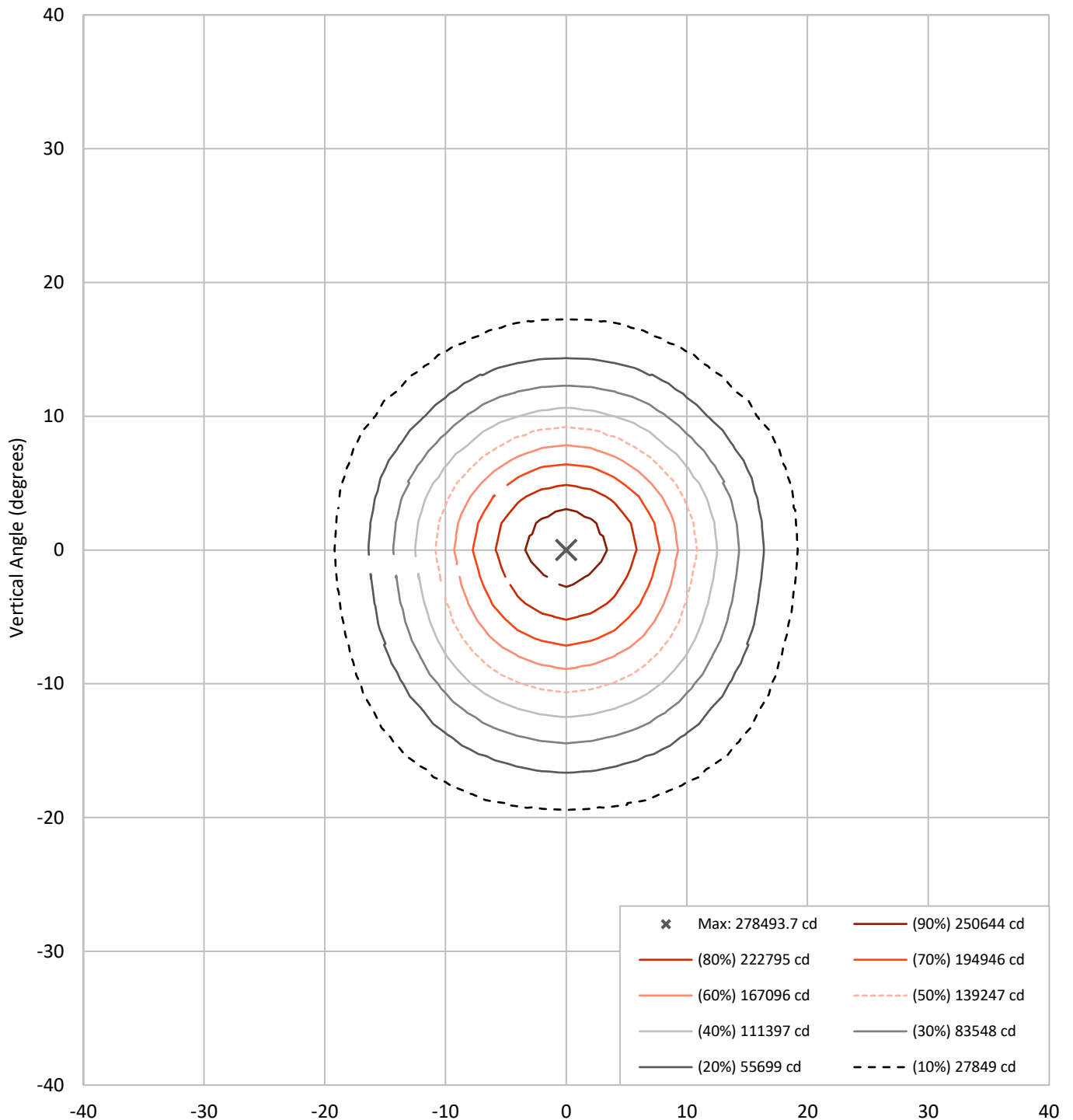
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	43111.4 lumens	Max Intensity:	278493.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.7 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:	19930 lumens	Field Lumens:	37178.8 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 348.5  
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-08-0320N-57-70-2S-CV2

### Iso-Candela Plot





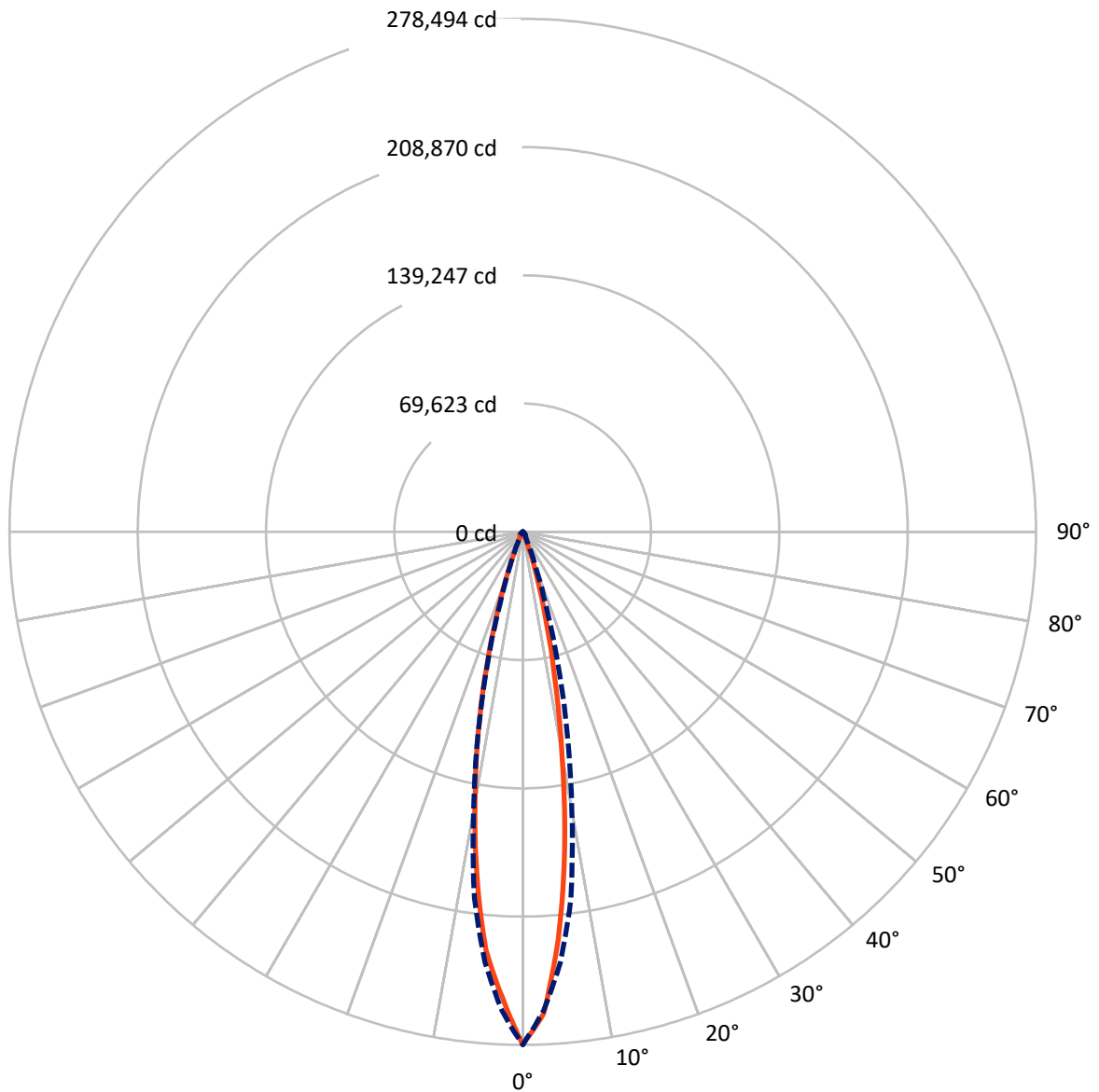
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### Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1					
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	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	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1	
50	0.1	0.1	0.3	0.3	0.4	0.6	0.8	0.9	0.9	0.8	0.6	0.4	0.3	0.3	0.1	0.1
40		0.1	0.6	1.2	2.5	4.0	4.9	5.6	5.6	4.9	4.0	2.5	1.2	0.6	0.1	
30	0.1	0.3	1.8	6.0	16.0	23.5	41.2	90.6	90.6	41.2	23.5	16.0	6.0	1.8	0.3	0.1
20		0.6	4.0	15.6	36.6	71.7	445.6	1390.2	1390.2	445.6	71.7	36.6	15.6	4.0	0.6	
10	0.2	1.1	6.9	28.8	59.9	192.9	1820.9	5423.7	5423.7	1820.9	192.9	59.9	28.8	6.9	1.1	0.2
0		1.8	9.0	33.8	67.1	193.6	1929.8	5654.6	5654.6	1929.8	193.6	67.1	33.8	9.0	1.8	
-10	0.4	2.1	9.2	31.2	66.2	110.7	710.5	2050.5	2050.5	710.5	110.7	66.2	31.2	9.2	2.1	0.4
-20		2.0	7.8	18.7	47.1	69.3	108.2	211.8	211.8	108.2	69.3	47.1	18.7	7.8	2.0	
-30	0.3	1.7	5.7	11.7	26.1	49.8	64.6	71.0	71.0	64.6	49.8	26.1	11.7	5.7	1.7	0.3
-40		1.1	3.9	8.6	14.7	24.4	42.3	57.2	57.2	42.3	24.4	14.7	8.6	3.9	1.1	
-50	0.2	0.5	2.3	5.6	10.2	15.3	19.6	22.0	22.0	19.6	15.3	10.2	5.6	2.3	0.5	0.2
-60		0.2	0.8	2.6	5.4	8.8	12.4	14.6	14.6	12.4	8.8	5.4	2.6	0.8	0.2	
-70	0.1	0.7	2.0	5.0	7.3	5.0	2.0	0.7	0.1							0.1
-80		0.1	0.7	2.0	5.0	7.3	5.0	2.0	0.7	0.1						
-90	0.1	0.7	2.0	5.0	7.3	5.0	2.0	0.7	0.1							0.1

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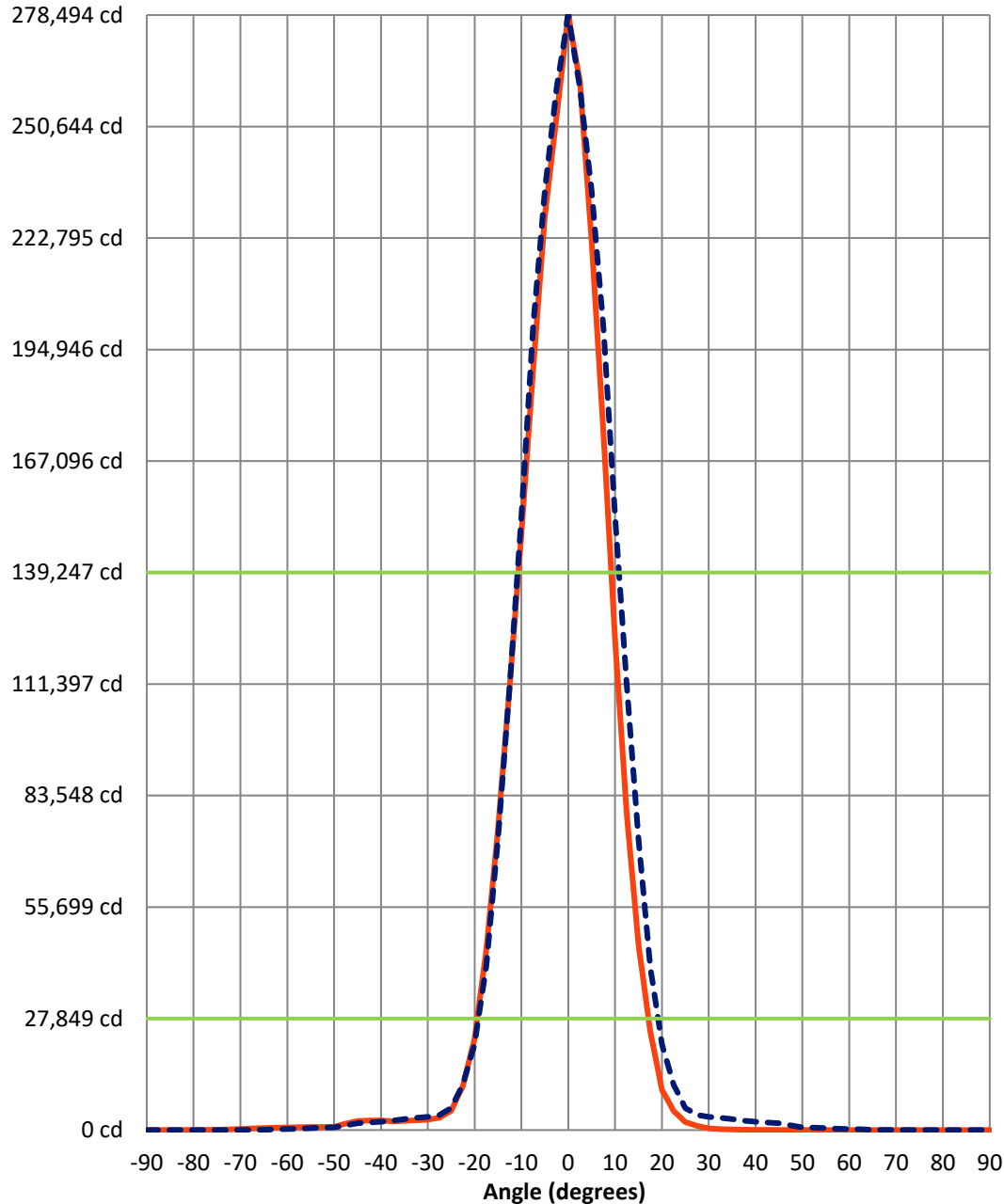
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 19930  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 37178.8  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 5932.6  
 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°	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.6	5.6	5.6	5.6
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	4.0	3.9
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.6
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.7	4.9	4.7
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.0	5.0	4.8
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	5.0	5.3	5.1	4.8
57.5°	4.5	4.5	4.5	4.5	4.6	4.8	4.9	5.3	5.4	5.1	4.9
55°	4.5	4.5	4.5	4.5	4.7	4.9	5.1	5.6	5.4	5.2	5.0
52.5°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.5	5.2	5.0
50°	4.5	4.5	4.6	4.5	5.0	5.2	5.5	5.6	5.5	5.3	5.9
47.5°	4.5	4.5	4.6	4.5	5.1	5.3	5.6	5.6	5.6	5.4	6.7
45°	4.5	4.5	4.6	4.6	5.2	5.4	5.6	5.6	5.6	5.9	7.3
42.5°	4.5	4.5	4.7	4.7	5.4	5.5	5.6	5.6	5.7	6.3	8.2
40°	4.5	4.5	4.7	4.9	5.4	5.5	5.6	5.7	5.9	6.5	9.1
37.5°	4.5	4.5	4.8	5.0	5.5	5.6	5.6	5.8	6.4	7.2	9.8
35°	4.5	4.5	4.8	5.1	5.5	5.6	5.6	6.0	6.9	8.4	10.2
32.5°	4.5	4.5	4.8	5.2	5.6	5.6	5.6	6.1	7.4	9.6	11.2
30°	4.5	4.5	4.9	5.3	5.6	5.6	5.7	6.4	8.1	10.9	12.3
27.5°	4.5	4.5	5.0	5.3	5.6	5.6	5.9	6.8	8.9	12.2	13.6
25°	4.5	4.5	5.0	5.4	5.6	5.6	6.0	7.3	9.9	13.3	15.2
22.5°	4.5	4.5	5.1	5.5	5.6	5.6	6.1	7.8	10.9	14.5	18.1
20°	4.5	4.5	5.1	5.5	5.6	5.7	6.3	8.3	12.0	15.8	20.9
17.5°	4.5	4.5	5.2	5.5	5.6	5.8	6.5	8.9	13.0	17.1	23.5
15°	4.5	4.5	5.3	5.6	5.6	5.9	6.7	9.3	13.9	18.5	25.9
12.5°	4.5	4.5	5.3	5.6	5.6	6.0	6.9	9.8	14.9	19.9	28.1
10°	4.5	4.5	5.4	5.6	5.6	6.2	7.2	10.1	15.9	22.1	31.6
7.5°	4.5	4.5	5.4	5.6	5.6	6.3	7.4	10.5	16.8	24.5	38.0
5°	4.5	4.5	5.5	5.6	5.6	6.4	7.6	10.8	17.6	26.9	44.5
2.5°	4.5	4.5	5.5	5.6	5.6	6.6	7.7	11.0	18.4	29.3	51.1
0°	4.5	4.5	5.6	5.6	5.6	6.7	7.9	11.2	19.1	31.5	57.3
-2.5°	4.5	4.5	5.6	5.7	5.7	6.9	8.8	13.8	24.7	41.1	74.0
-5°	4.5	4.5	5.6	5.7	5.8	7.2	9.6	16.3	30.1	50.3	89.7
-7.5°	4.5	4.6	5.6	5.8	5.9	7.4	10.4	18.7	35.1	58.9	104.2
-10°	4.5	4.6	5.6	5.9	6.0	7.6	11.1	20.7	39.5	66.7	116.8
-12.5°	4.5	4.6	5.6	5.9	6.1	7.8	11.7	22.5	43.3	73.4	124.4
-15°	4.5	4.6	5.5	6.0	6.2	7.9	12.2	23.8	46.7	78.7	128.9
-17.5°	4.5	4.7	5.5	6.0	6.3	8.0	12.6	25.4	49.8	83.0	131.9
-20°	4.5	4.7	5.5	6.1	6.4	8.0	13.0	26.8	52.2	86.3	133.4



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.7	5.5	6.1	6.4	8.1	13.4	27.5	53.6	88.5	133.4
-25°	4.5	4.7	5.5	6.1	6.5	8.2	13.6	27.5	54.1	89.6	131.7
-27.5°	4.5	4.7	5.5	6.1	6.6	8.3	13.5	26.6	53.6	89.7	132.3
-30°	4.5	4.7	5.5	6.1	6.7	8.3	13.1	24.9	52.5	88.9	131.6
-32.5°	4.5	4.7	5.4	6.1	6.8	8.3	12.3	24.0	50.5	86.7	129.4
-35°	4.5	4.8	5.4	6.0	6.9	8.2	12.0	23.1	47.2	83.2	125.6
-37.5°	4.5	4.8	5.4	6.0	7.0	8.2	11.9	21.7	42.6	78.2	115.9
-40°	4.5	4.8	5.4	5.9	7.1	8.3	11.6	19.7	36.6	71.8	105.3
-42.5°	4.5	4.8	5.4	5.8	7.0	8.3	11.3	17.3	32.5	61.9	93.6
-45°	4.5	4.8	5.4	5.8	6.9	8.3	10.9	15.4	29.1	51.2	81.2
-47.5°	4.5	4.8	5.4	5.7	6.8	8.2	10.3	14.7	25.0	40.1	68.7
-50°	4.5	4.8	5.4	5.7	6.7	8.1	10.1	13.9	19.8	34.2	55.6
-52.5°	4.5	4.8	5.4	5.7	6.5	7.9	9.8	13.0	17.3	27.7	42.7
-55°	4.5	4.8	5.4	5.7	6.4	7.7	9.4	12.0	15.9	20.9	34.8
-57.5°	4.5	4.7	5.4	5.7	6.2	7.4	9.0	11.4	14.4	18.0	26.3
-60°	4.5	4.7	5.5	5.7	6.0	7.1	8.5	10.7	13.0	16.3	19.6
-62.5°	4.5	4.7	5.4	5.7	6.0	6.8	8.1	9.9	12.1	14.5	17.7
-65°	4.5	4.7	5.3	5.7	5.9	6.5	7.6	9.1	11.2	13.3	15.7
-67.5°	4.5	4.7	5.3	5.6	5.8	6.3	7.2	8.6	10.2	12.3	14.2
-70°	4.5	4.7	5.2	5.6	5.8	6.1	6.7	8.0	9.6	11.2	13.0
-72.5°	4.5	4.7	5.1	5.5	5.7	6.0	6.4	7.5	8.9	10.4	11.9
-75°	4.5	4.6	5.0	5.4	5.6	5.8	6.2	7.1	8.3	9.6	11.0
-77.5°	4.5	4.6	5.0	5.3	5.5	5.7	5.9	6.7	7.8	8.9	10.2
-80°	4.5	4.6	4.9	5.2	5.4	5.6	5.6	6.4	7.3	8.2	9.3
-82.5°	4.5	4.6	4.8	5.1	5.3	5.5	5.6	6.1	6.8	7.6	8.4
-85°	4.5	4.5	4.7	5.0	5.2	5.4	5.6	5.9	6.4	6.9	7.5
-87.5°	4.5	4.5	4.6	4.9	5.1	5.4	5.6	5.8	6.0	6.3	6.6
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7	3.4





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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°	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.6
87.5°	3.8	3.7	3.5	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5
85°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5
82.5°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5
80°	4.3	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.2	2.9	2.7
77.5°	4.3	4.0	3.7	3.5	3.4	3.6	3.8	4.0	3.9	3.8	3.7
75°	4.3	4.0	3.9	3.9	4.1	4.3	4.5	4.5	4.3	4.1	3.8
72.5°	4.4	4.3	4.3	4.5	4.5	4.5	4.5	4.5	5.1	5.8	6.4
70°	4.5	4.5	4.5	4.5	4.5	4.8	5.9	7.5	9.1	10.3	11.8
67.5°	4.5	4.5	4.5	4.6	5.4	6.7	8.5	12.9	18.1	19.7	19.6
65°	4.5	4.5	4.8	5.5	6.6	10.1	15.0	21.0	25.5	24.8	23.2
62.5°	4.5	4.7	5.2	6.9	10.0	14.6	19.3	23.7	28.0	27.3	23.7
60°	4.6	4.8	6.6	9.8	13.3	16.9	21.4	24.2	27.0	27.8	22.0
57.5°	4.6	5.8	9.0	12.3	15.4	18.1	19.7	22.2	23.8	24.2	18.1
55°	5.3	7.6	11.0	14.3	16.5	15.8	17.0	18.5	19.2	17.7	12.8
52.5°	6.7	9.3	12.7	15.4	15.7	14.5	14.2	14.9	13.7	11.7	10.2
50°	7.9	10.9	14.2	15.7	15.4	13.8	11.8	11.4	11.1	10.3	9.3
47.5°	9.2	12.4	15.3	16.3	15.2	13.7	11.3	11.0	11.1	11.7	11.1
45°	10.4	13.3	16.3	16.4	15.6	14.4	13.4	12.3	14.5	15.2	15.1
42.5°	11.4	13.9	16.5	16.8	17.1	16.9	16.6	17.8	19.1	20.3	20.7
40°	11.8	14.3	17.3	19.5	19.5	20.4	22.8	24.9	25.0	26.5	27.4
37.5°	12.0	15.7	19.8	24.8	23.2	26.0	29.9	35.8	36.6	33.2	37.9
35°	12.0	17.6	26.5	32.2	31.4	33.4	42.6	51.2	55.0	49.4	57.1
32.5°	13.1	20.1	35.0	41.1	46.8	49.0	58.0	74.9	84.4	87.9	94.3
30°	15.9	28.0	44.9	51.5	67.5	78.2	85.6	105.9	123.3	176.0	215.1
27.5°	19.5	37.7	54.7	69.9	93.5	111.9	127.9	148.8	212.6	308.6	408.3
25°	22.9	50.7	65.4	93.8	125.8	150.6	172.6	202.2	335.9	532.5	616.5
22.5°	29.8	65.5	82.5	120.7	161.1	190.4	222.3	302.4	483.0	778.5	813.1
20°	41.1	79.9	105.8	150.8	200.1	230.3	272.6	407.6	649.5	875.3	969.0
17.5°	53.3	95.6	131.5	186.4	246.2	280.4	329.8	508.9	792.9	994.0	1119.6
15°	65.9	112.2	156.1	225.3	294.9	342.1	444.3	648.0	906.3	1133.0	1316.2
12.5°	78.8	129.5	179.5	266.6	345.9	403.0	583.0	860.2	1096.1	1308.5	1557.1
10°	91.4	147.1	201.7	309.1	398.3	462.9	735.8	1075.9	1307.5	1515.2	1770.1
7.5°	116.8	170.7	225.2	351.4	450.9	521.2	895.4	1290.2	1501.4	1696.4	1946.5
5°	144.5	199.8	261.2	401.9	503.7	574.9	1040.9	1497.4	1680.2	1856.0	2100.3
2.5°	171.5	227.6	296.0	450.3	554.2	621.5	1115.4	1611.2	1793.9	1978.4	2233.0
0°	196.6	253.9	329.2	494.4	601.2	665.2	1169.7	1706.8	1888.9	2081.0	2349.6
-2.5°	217.5	280.7	364.2	515.3	614.2	676.3	1151.9	1705.9	1924.3	2137.7	2415.7
-5°	235.0	305.8	396.5	532.6	624.7	685.5	1116.5	1679.0	1953.5	2183.1	2465.5
-7.5°	248.6	328.9	425.6	546.2	631.2	690.1	1101.0	1690.2	2005.8	2223.0	2498.0
-10°	256.1	338.1	427.7	545.6	632.3	691.1	1066.6	1667.1	2049.1	2258.4	2511.8
-12.5°	246.1	334.3	422.2	540.0	632.7	690.7	1000.4	1605.8	2084.6	2292.3	2499.2
-15°	235.1	328.5	413.1	528.9	632.7	689.1	899.3	1503.9	2064.5	2231.8	2446.8
-17.5°	223.5	320.8	400.4	512.1	633.0	686.3	755.6	1285.1	1863.1	2103.9	2362.3
-20°	211.9	311.1	383.9	489.3	629.6	667.9	700.1	1063.0	1569.4	1941.2	2202.4



REPORT NUMBER: P731407 (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°	200.9	299.4	367.1	467.4	580.8	636.2	666.8	848.0	1267.1	1743.4	1963.4
-25°	194.9	282.2	352.5	434.1	529.9	603.2	629.5	667.1	1000.0	1430.8	1745.2
-27.5°	191.9	267.2	332.9	400.9	482.7	563.6	592.0	624.7	794.2	1124.9	1516.1
-30°	186.9	248.1	312.3	370.5	443.7	512.9	554.4	591.8	637.9	886.3	1195.7
-32.5°	175.6	228.2	289.9	346.7	407.4	468.6	527.0	567.9	605.5	672.8	917.5
-35°	162.5	211.4	266.6	321.9	373.2	433.0	493.7	547.1	577.5	608.9	716.8
-37.5°	151.5	193.6	242.9	296.3	345.6	399.8	458.8	515.2	557.2	585.8	626.8
-40°	139.7	174.8	221.4	270.0	318.4	367.3	421.5	476.4	528.7	572.5	605.6
-42.5°	127.0	160.8	200.0	243.6	289.8	335.8	383.2	435.3	490.4	547.5	590.3
-45°	113.1	146.0	178.7	219.4	260.4	303.2	347.3	393.4	449.1	503.8	558.0
-47.5°	98.2	130.1	161.7	195.0	232.8	270.9	310.3	357.2	406.3	457.9	508.8
-50°	82.7	112.5	144.0	174.5	206.6	240.4	275.5	321.7	368.5	413.1	458.8
-52.5°	67.8	93.8	124.0	154.7	183.2	212.9	246.6	287.2	330.9	374.1	414.8
-55°	52.3	76.4	102.4	132.0	161.4	187.9	219.6	255.6	292.5	333.5	372.9
-57.5°	40.4	58.7	81.6	106.9	135.3	164.5	194.7	225.0	258.7	293.4	327.4
-60°	30.1	43.5	60.9	82.8	106.4	134.9	167.9	198.0	226.6	255.0	286.0
-62.5°	20.8	31.3	43.7	58.9	79.4	102.8	131.1	162.3	195.6	220.7	245.6
-65°	18.6	21.5	30.0	41.3	52.7	72.2	94.6	119.2	147.4	173.2	200.0
-67.5°	16.3	18.9	21.6	26.0	36.2	47.0	58.4	78.4	99.8	118.2	137.4
-70°	14.7	16.3	18.5	21.0	23.6	28.0	37.4	47.4	57.3	68.0	83.4
-72.5°	13.3	14.8	16.2	17.6	19.7	21.9	24.0	26.1	31.8	39.6	46.7
-75°	12.1	13.2	14.5	15.8	16.9	18.2	19.6	21.5	23.2	25.1	27.0
-77.5°	10.9	11.7	12.7	13.8	14.7	15.5	16.4	17.4	18.6	19.7	20.7
-80°	9.7	10.1	10.6	11.4	12.2	12.9	13.5	14.0	14.6	15.4	16.3
-82.5°	8.7	9.0	9.2	9.5	9.9	10.4	11.0	11.6	12.0	12.4	12.8
-85°	7.7	7.9	8.1	8.2	8.4	8.7	9.0	9.3	9.5	9.7	9.8
-87.5°	6.7	6.7	6.8	6.9	7.1	7.3	7.4	7.5	7.7	7.8	7.8
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5



REPORT NUMBER: P731407 (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°	7.9	7.9	7.9	7.9	7.9	9.6	11.2	12.9	14.6	17.1	19.6
87.5°	2.2	2.2	2.1	2.1	2.1	1.9	1.6	1.4	1.1	0.8	0.6
85°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1
82.5°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1
80°	2.6	2.5	2.5	2.4	2.2	2.0	1.7	1.4	1.1	1.1	1.1
77.5°	3.5	3.2	2.9	2.6	2.3	2.1	2.0	2.0	2.0	1.9	1.6
75°	3.5	3.4	3.5	3.3	2.9	2.7	2.6	2.5	2.2	2.2	2.2
72.5°	6.8	6.8	6.4	6.0	5.4	5.1	4.9	4.6	4.1	3.9	3.8
70°	12.4	12.1	11.7	10.7	9.1	7.9	7.1	6.4	5.6	5.3	5.4
67.5°	17.9	16.1	14.6	12.8	10.6	9.0	8.1	7.1	6.1	5.6	5.6
65°	20.8	16.9	14.4	12.5	11.1	9.5	8.0	6.7	5.5	4.9	5.0
62.5°	19.7	14.7	11.6	9.8	8.5	7.7	6.5	5.6	4.9	4.5	4.6
60°	16.3	10.9	8.2	7.3	6.5	5.7	5.3	4.8	4.3	3.8	3.9
57.5°	12.7	8.7	6.6	6.3	6.0	5.7	5.3	4.8	4.4	4.1	4.3
55°	9.5	7.8	6.7	6.8	6.7	6.1	5.5	5.5	5.3	5.2	5.3
52.5°	8.3	8.2	8.5	8.4	7.6	7.0	6.6	6.6	6.8	7.0	7.3
50°	9.4	9.7	9.6	8.8	8.6	8.4	7.9	8.4	9.0	9.2	9.5
47.5°	11.2	11.4	11.5	10.8	10.9	11.8	12.0	12.3	13.6	14.5	15.4
45°	14.4	15.6	15.9	16.4	16.7	18.4	19.3	19.7	23.2	24.9	25.1
42.5°	20.8	22.7	24.3	26.7	26.3	30.5	36.0	38.9	38.7	37.5	37.5
40°	30.4	33.8	41.1	45.1	49.4	54.3	54.8	48.8	48.9	54.9	54.6
37.5°	46.9	58.4	68.9	78.2	80.5	77.7	78.7	83.2	88.6	89.2	91.9
35°	79.0	102.3	107.8	114.9	122.7	115.3	114.3	121.7	119.3	131.9	140.9
32.5°	136.6	169.7	179.8	188.4	210.2	197.6	162.7	213.5	202.1	216.2	237.7
30°	217.4	282.4	326.2	339.2	344.7	346.2	379.0	408.1	431.1	461.9	505.4
27.5°	411.7	454.8	527.5	568.3	517.0	538.2	622.4	637.7	724.4	818.7	896.1
25°	626.1	674.5	803.8	820.1	777.2	856.0	937.5	954.3	1107.3	1218.4	1484.2
22.5°	819.9	901.0	1039.4	1078.7	1114.4	1208.1	1302.7	1415.5	1760.2	2187.6	2963.3
20°	983.9	1074.4	1209.7	1319.0	1408.2	1527.7	1637.9	2023.2	2765.6	4389.5	6155.8
17.5°	1182.4	1238.5	1405.8	1551.9	1691.7	1862.9	2350.2	3323.2	5472.6	9010.8	12364.2
15°	1449.9	1561.4	1665.2	1823.4	2084.5	2582.5	3657.6	6827.2	11323.7	17495.3	25139.6
12.5°	1758.4	1912.1	2056.1	2190.3	2564.9	3739.5	7169.7	12666.2	20225.1	30139.0	45141.5
10°	2033.9	2268.7	2445.4	2679.5	3405.2	5689.4	10984.7	18755.3	32037.6	49554.7	69133.0
7.5°	2225.1	2504.2	2742.5	3090.5	4273.8	8143.6	15474.1	27575.3	46455.6	70058.7	96469.3
5°	2407.1	2721.8	2955.7	3383.8	4848.1	9848.4	18877.0	34927.0	60567.5	91755.7	125664.2
2.5°	2579.0	2913.9	3143.9	3646.5	5210.8	10625.4	20302.2	39497.3	69695.7	106638.2	146909.8
0°	2738.4	3055.2	3295.7	3769.9	5517.2	11371.4	21514.7	40970.9	72779.5	111020.0	153377.4
-2.5°	2708.6	2944.2	3210.4	3685.7	5225.6	10571.5	20101.7	39240.1	69159.0	105789.2	144750.9
-5°	2698.2	2889.2	3129.6	3560.4	4865.6	9134.5	17853.4	35332.2	63226.7	96237.9	132527.2
-7.5°	2706.1	2857.9	3045.8	3402.1	4430.8	7723.1	15522.7	30628.6	53668.8	81618.4	114389.1
-10°	2723.1	2840.5	3031.0	3344.4	4064.6	6172.9	11747.5	23598.0	42197.3	64427.8	89962.9
-12.5°	2752.5	2910.6	3101.8	3314.8	3696.5	4916.8	9239.1	18318.5	31199.4	46817.3	66247.2
-15°	2742.4	2946.2	3162.2	3293.7	3501.6	4180.8	5992.8	12095.5	21587.3	31945.4	43704.2
-17.5°	2668.6	2912.5	3007.5	3109.5	3236.0	3570.6	4581.9	7294.9	12700.0	19505.8	26121.4
-20°	2497.1	2620.5	2739.3	2861.1	3001.0	3185.7	3500.3	4557.1	6139.8	10001.8	13230.3



REPORT NUMBER: P731407 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2175.2	2294.0	2396.9	2594.5	2735.8	2871.4	3044.7	3273.4	3882.1	4838.3	6427.6
-25°	1899.1	1972.3	2117.0	2347.7	2499.5	2580.8	2689.4	2776.1	2984.8	3207.0	3755.9
-27.5°	1678.4	1788.1	1966.5	2168.5	2314.0	2379.4	2436.5	2487.6	2618.6	2709.4	2865.3
-30°	1503.8	1681.5	1848.6	2033.5	2167.3	2245.0	2269.3	2342.9	2428.4	2493.2	2556.3
-32.5°	1253.3	1565.9	1717.9	1871.0	2022.2	2117.9	2183.4	2241.4	2321.6	2371.3	2396.2
-35°	983.6	1303.7	1602.9	1705.6	1815.5	1952.9	2064.7	2123.7	2176.5	2224.4	2254.7
-37.5°	742.3	1004.5	1283.0	1533.6	1651.2	1754.0	1916.7	2015.1	2063.0	2134.5	2175.2
-40°	643.8	718.2	955.8	1190.5	1401.6	1635.6	1793.9	1945.6	2095.7	2187.6	2247.4
-42.5°	621.7	652.1	680.3	844.7	1055.8	1267.9	1501.1	1758.6	1973.9	2136.0	2286.6
-45°	603.9	627.0	649.7	675.4	700.2	862.4	1044.7	1236.7	1484.4	1724.2	1931.3
-47.5°	557.9	601.6	627.2	646.6	666.7	689.2	709.8	753.4	920.0	1097.1	1265.4
-50°	505.6	548.9	587.8	623.7	649.6	667.1	680.1	697.1	717.0	734.7	751.0
-52.5°	454.0	496.1	535.6	574.6	611.2	644.9	676.0	695.7	710.8	724.1	732.3
-55°	410.7	447.0	482.4	521.0	558.6	594.5	628.3	658.7	687.3	714.1	729.4
-57.5°	363.4	399.0	434.4	470.1	504.5	537.5	570.1	601.9	632.1	659.6	676.4
-60°	316.5	346.6	381.7	418.4	452.6	484.5	517.0	547.8	576.3	600.6	615.5
-62.5°	272.5	300.5	329.8	362.3	397.5	431.9	460.8	490.0	519.1	544.2	561.4
-65°	225.9	249.3	273.1	298.5	325.4	353.6	382.5	411.0	438.7	461.4	477.7
-67.5°	159.8	183.1	205.8	228.4	249.1	269.9	292.0	314.4	336.7	354.9	369.3
-70°	98.5	113.1	126.8	141.5	158.8	176.9	195.3	212.6	228.6	240.4	249.1
-72.5°	53.1	59.0	66.0	77.0	87.3	98.1	109.3	120.0	130.1	137.6	143.1
-75°	29.1	31.7	36.3	40.6	44.6	49.4	54.3	58.9	63.2	67.4	71.3
-77.5°	22.0	23.3	24.6	25.6	26.6	28.2	30.2	32.1	34.1	36.6	39.2
-80°	17.2	17.9	18.5	19.2	19.9	21.1	22.3	23.5	24.7	25.9	27.0
-82.5°	13.2	13.6	13.9	14.2	14.4	15.2	16.0	16.8	17.5	18.7	20.0
-85°	10.0	10.2	10.5	10.6	10.8	11.4	12.0	12.6	13.3	14.2	15.1
-87.5°	7.9	8.1	8.4	8.6	8.9	9.3	9.7	10.0	10.3	11.1	11.9
-90°	2.2	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	0.8	0.6



REPORT NUMBER: P731407 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	22.2	24.7	26.4	28.1	26.4	24.7	22.2	19.6	17.1	14.6	12.9
87.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.0	2.0
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.8	3.9	4.1	4.6
70°	5.5	5.5	5.6	5.6	5.6	5.5	5.5	5.4	5.3	5.6	6.4
67.5°	5.6	5.6	5.1	4.5	5.1	5.6	5.6	5.6	5.6	6.1	7.1
65°	5.3	5.5	5.1	4.5	5.1	5.5	5.3	5.0	4.9	5.5	6.7
62.5°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.9	5.6
60°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.9	3.8	4.3	4.8
57.5°	4.4	4.5	4.9	5.6	4.9	4.5	4.4	4.3	4.1	4.4	4.8
55°	5.4	5.5	5.6	5.6	5.6	5.5	5.4	5.3	5.2	5.3	5.5
52.5°	7.6	7.7	7.9	7.9	7.9	7.7	7.6	7.3	7.0	6.8	6.6
50°	9.7	9.9	9.7	9.0	9.7	9.9	9.7	9.5	9.2	9.0	8.4
47.5°	16.1	16.5	16.4	15.7	16.4	16.5	16.1	15.4	14.5	13.6	12.3
45°	25.7	25.7	25.6	25.8	25.6	25.7	25.7	25.1	24.9	23.2	19.7
42.5°	38.5	38.8	39.0	39.3	39.0	38.8	38.5	37.5	37.5	38.7	38.9
40°	55.6	55.9	55.3	53.9	55.3	55.9	55.6	54.6	54.9	48.9	48.8
37.5°	96.6	98.7	98.2	96.6	98.2	98.7	96.6	91.9	89.2	88.6	83.2
35°	144.2	142.9	139.1	139.3	139.1	142.9	144.2	140.9	131.9	119.3	121.7
32.5°	225.2	233.3	235.8	237.1	235.8	233.3	225.2	237.7	216.2	202.1	213.5
30°	536.1	519.9	448.0	425.9	448.0	519.9	536.1	505.4	461.9	431.1	408.1
27.5°	952.4	1003.6	1050.6	1055.1	1050.6	1003.6	952.4	896.1	818.7	724.4	637.7
25°	1758.7	1931.5	2004.3	1994.5	2004.3	1931.5	1758.7	1484.2	1218.4	1107.3	954.3
22.5°	3880.4	4470.0	4777.3	4787.9	4777.3	4470.0	3880.4	2963.3	2187.6	1760.2	1415.5
20°	8466.9	9890.0	10249.4	10142.2	10249.4	9890.0	8466.9	6155.8	4389.5	2765.6	2023.2
17.5°	17458.0	21667.8	24541.8	24739.6	24541.8	21667.8	17458.0	12364.2	9010.8	5472.6	3323.2
15°	33978.6	41716.9	45729.9	46411.7	45729.9	41716.9	33978.6	25139.6	17495.3	11323.7	6827.2
12.5°	59358.0	71136.4	77689.8	78811.4	77689.8	71136.4	59358.0	45141.5	30139.0	20225.1	12666.2
10°	90539.8	106967.8	117649.6	122471.2	117649.6	106967.8	90539.8	69133.0	49554.7	32037.6	18755.3
7.5°	122534.6	148415.7	169551.7	174343.9	169551.7	148415.7	122534.6	96469.3	70058.7	46455.6	27575.3
5°	162116.6	196819.0	217116.4	221803.9	217116.4	196819.0	162116.6	125664.2	91755.7	60567.5	34927.0
2.5°	191468.9	228779.8	250053.7	261744.4	250053.7	228779.8	191468.9	146909.8	106638.2	69695.7	39497.3
0°	200578.0	234528.2	260103.9	278493.7	260103.9	234528.2	200578.0	153377.4	111020.0	72779.5	40970.9
-2.5°	188248.6	224246.6	242804.5	253143.3	242804.5	224246.6	188248.6	144750.9	105789.2	69159.0	39240.1
-5°	168633.9	201724.2	221962.8	228202.0	221962.8	201724.2	168633.9	132527.2	96237.9	63226.7	35332.2
-7.5°	142936.0	167100.9	182257.8	189900.3	182257.8	167100.9	142936.0	114389.1	81618.4	53668.8	30628.6
-10°	115120.3	133460.3	144765.8	148994.0	144765.8	133460.3	115120.3	89962.9	64427.8	42197.3	23598.0
-12.5°	84318.4	98925.8	107611.3	110962.0	107611.3	98925.8	84318.4	66247.2	46817.3	31199.4	18318.5
-15°	55654.1	66183.9	72864.7	75197.6	72864.7	66183.9	55654.1	43704.2	31945.4	21587.3	12095.5
-17.5°	33731.8	39544.3	43869.0	44959.9	43869.0	39544.3	33731.8	26121.4	19505.8	12700.0	7294.9
-20°	17850.3	20465.9	21926.6	22914.8	21926.6	20465.9	17850.3	13230.3	10001.8	6139.8	4557.1



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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°	8462.4	9886.9	10543.4	11044.5	10543.4	9886.9	8462.4	6427.6	4838.3	3882.1	3273.4
-25°	4235.1	4529.7	4658.0	4837.4	4658.0	4529.7	4235.1	3755.9	3207.0	2984.8	2776.1
-27.5°	2970.6	3039.7	3066.9	3088.9	3066.9	3039.7	2970.6	2865.3	2709.4	2618.6	2487.6
-30°	2588.7	2600.0	2598.4	2596.8	2598.4	2600.0	2588.7	2556.3	2493.2	2428.4	2342.9
-32.5°	2423.1	2435.2	2434.3	2432.7	2434.3	2435.2	2423.1	2396.2	2371.3	2321.6	2241.4
-35°	2274.1	2289.9	2297.7	2301.3	2297.7	2289.9	2274.1	2254.7	2224.4	2176.5	2123.7
-37.5°	2197.9	2201.3	2192.3	2182.1	2192.3	2201.3	2197.9	2175.2	2134.5	2063.0	2015.1
-40°	2276.7	2330.1	2383.7	2400.1	2383.7	2330.1	2276.7	2247.4	2187.6	2095.7	1945.6
-42.5°	2336.3	2370.6	2386.1	2381.0	2386.1	2370.6	2336.3	2286.6	2136.0	1973.9	1758.6
-45°	2068.2	2174.5	2237.5	2252.9	2237.5	2174.5	2068.2	1931.3	1724.2	1484.4	1236.7
-47.5°	1406.5	1525.6	1600.6	1624.8	1600.6	1525.6	1406.5	1265.4	1097.1	920.0	753.4
-50°	766.7	781.6	786.6	782.1	786.6	781.6	766.7	751.0	734.7	717.0	697.1
-52.5°	740.4	749.3	755.1	758.5	755.1	749.3	740.4	732.3	724.1	710.8	695.7
-55°	742.4	753.9	760.2	763.0	760.2	753.9	742.4	729.4	714.1	687.3	658.7
-57.5°	691.2	704.0	710.2	712.4	710.2	704.0	691.2	676.4	659.6	632.1	601.9
-60°	629.0	641.2	646.0	647.2	646.0	641.2	629.0	615.5	600.6	576.3	547.8
-62.5°	577.2	591.6	597.7	600.0	597.7	591.6	577.2	561.4	544.2	519.1	490.0
-65°	492.0	504.3	508.5	509.0	508.5	504.3	492.0	477.7	461.4	438.7	411.0
-67.5°	382.2	393.3	397.2	397.8	397.2	393.3	382.2	369.3	354.9	336.7	314.4
-70°	256.2	261.5	263.8	264.1	263.8	261.5	256.2	249.1	240.4	228.6	212.6
-72.5°	147.5	150.7	151.8	151.7	151.8	150.7	147.5	143.1	137.6	130.1	120.0
-75°	74.7	77.8	78.5	78.7	78.5	77.8	74.7	71.3	67.4	63.2	58.9
-77.5°	41.9	44.5	44.8	44.9	44.8	44.5	41.9	39.2	36.6	34.1	32.1
-80°	28.1	29.1	29.2	29.2	29.2	29.1	28.1	27.0	25.9	24.7	23.5
-82.5°	21.2	22.4	22.5	22.5	22.5	22.4	21.2	20.0	18.7	17.5	16.8
-85°	16.0	16.9	17.4	18.0	17.4	16.9	16.0	15.1	14.2	13.3	12.6
-87.5°	12.7	13.5	14.1	14.6	14.1	13.5	12.7	11.9	11.1	10.3	10.0
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.2	9.6	7.9	7.9	7.9	7.9	7.9	7.6	7.3	7.0	6.7
87.5°	1.6	1.9	2.1	2.1	2.1	2.2	2.2	2.5	2.8	3.1	3.4
85°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.1	3.4
82.5°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.1	3.4
80°	1.7	2.0	2.2	2.4	2.5	2.5	2.6	2.7	2.9	3.2	3.4
77.5°	2.0	2.1	2.3	2.6	2.9	3.2	3.5	3.7	3.8	3.9	4.0
75°	2.6	2.7	2.9	3.3	3.5	3.4	3.5	3.8	4.1	4.3	4.5
72.5°	4.9	5.1	5.4	6.0	6.4	6.8	6.8	6.4	5.8	5.1	4.5
70°	7.1	7.9	9.1	10.7	11.7	12.1	12.4	11.8	10.3	9.1	7.5
67.5°	8.1	9.0	10.6	12.8	14.6	16.1	17.9	19.6	19.7	18.1	12.9
65°	8.0	9.5	11.1	12.5	14.4	16.9	20.8	23.2	24.8	25.5	21.0
62.5°	6.5	7.7	8.5	9.8	11.6	14.7	19.7	23.7	27.3	28.0	23.7
60°	5.3	5.7	6.5	7.3	8.2	10.9	16.3	22.0	27.8	27.0	24.2
57.5°	5.3	5.7	6.0	6.3	6.6	8.7	12.7	18.1	24.2	23.8	22.2
55°	5.5	6.1	6.7	6.8	6.7	7.8	9.5	12.8	17.7	19.2	18.5
52.5°	6.6	7.0	7.6	8.4	8.5	8.2	8.3	10.2	11.7	13.7	14.9
50°	7.9	8.4	8.6	8.8	9.6	9.7	9.4	9.3	10.3	11.1	11.4
47.5°	12.0	11.8	10.9	10.8	11.5	11.4	11.2	11.1	11.7	11.1	11.0
45°	19.3	18.4	16.7	16.4	15.9	15.6	14.4	15.1	15.2	14.5	12.3
42.5°	36.0	30.5	26.3	26.7	24.3	22.7	20.8	20.7	20.3	19.1	17.8
40°	54.8	54.3	49.4	45.1	41.1	33.8	30.4	27.4	26.5	25.0	24.9
37.5°	78.7	77.7	80.5	78.2	68.9	58.4	46.9	37.9	33.2	36.6	35.8
35°	114.3	115.3	122.7	114.9	107.8	102.3	79.0	57.1	49.4	55.0	51.2
32.5°	162.7	197.6	210.2	188.4	179.8	169.7	136.6	94.3	87.9	84.4	74.9
30°	379.0	346.2	344.7	339.2	326.2	282.4	217.4	215.1	176.0	123.3	105.9
27.5°	622.4	538.2	517.0	568.3	527.5	454.8	411.7	408.3	308.6	212.6	148.8
25°	937.5	856.0	777.2	820.1	803.8	674.5	626.1	616.5	532.5	335.9	202.2
22.5°	1302.7	1208.1	1114.4	1078.7	1039.4	901.0	819.9	813.1	778.5	483.0	302.4
20°	1637.9	1527.7	1408.2	1319.0	1209.7	1074.4	983.9	969.0	875.3	649.5	407.6
17.5°	2350.2	1862.9	1691.7	1551.9	1405.8	1238.5	1182.4	1119.6	994.0	792.9	508.9
15°	3657.6	2582.5	2084.5	1823.4	1665.2	1561.4	1449.9	1316.2	1133.0	906.3	648.0
12.5°	7169.7	3739.5	2564.9	2190.3	2056.1	1912.1	1758.4	1557.1	1308.5	1096.1	860.2
10°	10984.7	5689.4	3405.2	2679.5	2445.4	2268.7	2033.9	1770.1	1515.2	1307.5	1075.9
7.5°	15474.1	8143.6	4273.8	3090.5	2742.5	2504.2	2225.1	1946.5	1696.4	1501.4	1290.2
5°	18877.0	9848.4	4848.1	3383.8	2955.7	2721.8	2407.1	2100.3	1856.0	1680.2	1497.4
2.5°	20302.2	10625.4	5210.8	3646.5	3143.9	2913.9	2579.0	2233.0	1978.4	1793.9	1611.2
0°	21514.7	11371.4	5517.2	3769.9	3295.7	3055.2	2738.4	2349.6	2081.0	1888.9	1706.8
-2.5°	20101.7	10571.5	5225.6	3685.7	3210.4	2944.2	2708.6	2415.7	2137.7	1924.3	1705.9
-5°	17853.4	9134.5	4865.6	3560.4	3129.6	2889.2	2698.2	2465.5	2183.1	1953.5	1679.0
-7.5°	15522.7	7723.1	4430.8	3402.1	3045.8	2857.9	2706.1	2498.0	2223.0	2005.8	1690.2
-10°	11747.5	6172.9	4064.6	3344.4	3031.0	2840.5	2723.1	2511.8	2258.4	2049.1	1667.1
-12.5°	9239.1	4916.8	3696.5	3314.8	3101.8	2910.6	2752.5	2499.2	2292.3	2084.6	1605.8
-15°	5992.8	4180.8	3501.6	3293.7	3162.2	2946.2	2742.4	2446.8	2231.8	2064.5	1503.9
-17.5°	4581.9	3570.6	3236.0	3109.5	3007.5	2912.5	2668.6	2362.3	2103.9	1863.1	1285.1
-20°	3500.3	3185.7	3001.0	2861.1	2739.3	2620.5	2497.1	2202.4	1941.2	1569.4	1063.0





REPORT NUMBER: P731407 (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°	3044.7	2871.4	2735.8	2594.5	2396.9	2294.0	2175.2	1963.4	1743.4	1267.1	848.0
-25°	2689.4	2580.8	2499.5	2347.7	2117.0	1972.3	1899.1	1745.2	1430.8	1000.0	667.1
-27.5°	2436.5	2379.4	2314.0	2168.5	1966.5	1788.1	1678.4	1516.1	1124.9	794.2	624.7
-30°	2269.3	2245.0	2167.3	2033.5	1848.6	1681.5	1503.8	1195.7	886.3	637.9	591.8
-32.5°	2183.4	2117.9	2022.2	1871.0	1717.9	1565.9	1253.3	917.5	672.8	605.5	567.9
-35°	2064.7	1952.9	1815.5	1705.6	1602.9	1303.7	983.6	716.8	608.9	577.5	547.1
-37.5°	1916.7	1754.0	1651.2	1533.6	1283.0	1004.5	742.3	626.8	585.8	557.2	515.2
-40°	1793.9	1635.6	1401.6	1190.5	955.8	718.2	643.8	605.6	572.5	528.7	476.4
-42.5°	1501.1	1267.9	1055.8	844.7	680.3	652.1	621.7	590.3	547.5	490.4	435.3
-45°	1044.7	862.4	700.2	675.4	649.7	627.0	603.9	558.0	503.8	449.1	393.4
-47.5°	709.8	689.2	666.7	646.6	627.2	601.6	557.9	508.8	457.9	406.3	357.2
-50°	680.1	667.1	649.6	623.7	587.8	548.9	505.6	458.8	413.1	368.5	321.7
-52.5°	676.0	644.9	611.2	574.6	535.6	496.1	454.0	414.8	374.1	330.9	287.2
-55°	628.3	594.5	558.6	521.0	482.4	447.0	410.7	372.9	333.5	292.5	255.6
-57.5°	570.1	537.5	504.5	470.1	434.4	399.0	363.4	327.4	293.4	258.7	225.0
-60°	517.0	484.5	452.6	418.4	381.7	346.6	316.5	286.0	255.0	226.6	198.0
-62.5°	460.8	431.9	397.5	362.3	329.8	300.5	272.5	245.6	220.7	195.6	162.3
-65°	382.5	353.6	325.4	298.5	273.1	249.3	225.9	200.0	173.2	147.4	119.2
-67.5°	292.0	269.9	249.1	228.4	205.8	183.1	159.8	137.4	118.2	99.8	78.4
-70°	195.3	176.9	158.8	141.5	126.8	113.1	98.5	83.4	68.0	57.3	47.4
-72.5°	109.3	98.1	87.3	77.0	66.0	59.0	53.1	46.7	39.6	31.8	26.1
-75°	54.3	49.4	44.6	40.6	36.3	31.7	29.1	27.0	25.1	23.2	21.5
-77.5°	30.2	28.2	26.6	25.6	24.6	23.3	22.0	20.7	19.7	18.6	17.4
-80°	22.3	21.1	19.9	19.2	18.5	17.9	17.2	16.3	15.4	14.6	14.0
-82.5°	16.0	15.2	14.4	14.2	13.9	13.6	13.2	12.8	12.4	12.0	11.6
-85°	12.0	11.4	10.8	10.6	10.5	10.2	10.0	9.8	9.7	9.5	9.3
-87.5°	9.7	9.3	8.9	8.6	8.4	8.1	7.9	7.8	7.8	7.7	7.5
-90°	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5	2.8	3.1	3.4





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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°	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	3.4	3.4	3.4	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3
85°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.3	4.3	4.3	4.4
82.5°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5
80°	3.4	3.4	3.4	3.4	3.7	4.0	4.3	4.5	4.5	4.5	4.5
77.5°	3.8	3.6	3.4	3.5	3.7	4.0	4.3	4.5	4.5	4.5	4.5
75°	4.5	4.3	4.1	3.9	3.9	4.0	4.3	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.3	4.3	4.4	4.5	4.5	4.5	4.5
70°	5.9	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	8.5	6.7	5.4	4.6	4.5	4.5	4.5	4.6	4.7	4.5	4.5
65°	15.0	10.1	6.6	5.5	4.8	4.5	4.5	4.7	4.9	4.7	4.5
62.5°	19.3	14.6	10.0	6.9	5.2	4.7	4.5	4.8	5.0	5.0	4.7
60°	21.4	16.9	13.3	9.8	6.6	4.8	4.6	4.8	5.1	5.3	5.0
57.5°	19.7	18.1	15.4	12.3	9.0	5.8	4.6	4.9	5.1	5.4	5.3
55°	17.0	15.8	16.5	14.3	11.0	7.6	5.3	5.0	5.2	5.4	5.6
52.5°	14.2	14.5	15.7	15.4	12.7	9.3	6.7	5.0	5.2	5.5	5.6
50°	11.8	13.8	15.4	15.7	14.2	10.9	7.9	5.9	5.3	5.5	5.6
47.5°	11.3	13.7	15.2	16.3	15.3	12.4	9.2	6.7	5.4	5.6	5.6
45°	13.4	14.4	15.6	16.4	16.3	13.3	10.4	7.3	5.9	5.6	5.6
42.5°	16.6	16.9	17.1	16.8	16.5	13.9	11.4	8.2	6.3	5.7	5.6
40°	22.8	20.4	19.5	19.5	17.3	14.3	11.8	9.1	6.5	5.9	5.7
37.5°	29.9	26.0	23.2	24.8	19.8	15.7	12.0	9.8	7.2	6.4	5.8
35°	42.6	33.4	31.4	32.2	26.5	17.6	12.0	10.2	8.4	6.9	6.0
32.5°	58.0	49.0	46.8	41.1	35.0	20.1	13.1	11.2	9.6	7.4	6.1
30°	85.6	78.2	67.5	51.5	44.9	28.0	15.9	12.3	10.9	8.1	6.4
27.5°	127.9	111.9	93.5	69.9	54.7	37.7	19.5	13.6	12.2	8.9	6.8
25°	172.6	150.6	125.8	93.8	65.4	50.7	22.9	15.2	13.3	9.9	7.3
22.5°	222.3	190.4	161.1	120.7	82.5	65.5	29.8	18.1	14.5	10.9	7.8
20°	272.6	230.3	200.1	150.8	105.8	79.9	41.1	20.9	15.8	12.0	8.3
17.5°	329.8	280.4	246.2	186.4	131.5	95.6	53.3	23.5	17.1	13.0	8.9
15°	444.3	342.1	294.9	225.3	156.1	112.2	65.9	25.9	18.5	13.9	9.3
12.5°	583.0	403.0	345.9	266.6	179.5	129.5	78.8	28.1	19.9	14.9	9.8
10°	735.8	462.9	398.3	309.1	201.7	147.1	91.4	31.6	22.1	15.9	10.1
7.5°	895.4	521.2	450.9	351.4	225.2	170.7	116.8	38.0	24.5	16.8	10.5
5°	1040.9	574.9	503.7	401.9	261.2	199.8	144.5	44.5	26.9	17.6	10.8
2.5°	1115.4	621.5	554.2	450.3	296.0	227.6	171.5	51.1	29.3	18.4	11.0
0°	1169.7	665.2	601.2	494.4	329.2	253.9	196.6	57.3	31.5	19.1	11.2
-2.5°	1151.9	676.3	614.2	515.3	364.2	280.7	217.5	74.0	41.1	24.7	13.8
-5°	1116.5	685.5	624.7	532.6	396.5	305.8	235.0	89.7	50.3	30.1	16.3
-7.5°	1101.0	690.1	631.2	546.2	425.6	328.9	248.6	104.2	58.9	35.1	18.7
-10°	1066.6	691.1	632.3	545.6	427.7	338.1	256.1	116.8	66.7	39.5	20.7
-12.5°	1000.4	690.7	632.7	540.0	422.2	334.3	246.1	124.4	73.4	43.3	22.5
-15°	899.3	689.1	632.7	528.9	413.1	328.5	235.1	128.9	78.7	46.7	23.8
-17.5°	755.6	686.3	633.0	512.1	400.4	320.8	223.5	131.9	83.0	49.8	25.4
-20°	700.1	667.9	629.6	489.3	383.9	311.1	211.9	133.4	86.3	52.2	26.8



REPORT NUMBER: P731407 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	666.8	636.2	580.8	467.4	367.1	299.4	200.9	133.4	88.5	53.6	27.5
-25°	629.5	603.2	529.9	434.1	352.5	282.2	194.9	131.7	89.6	54.1	27.5
-27.5°	592.0	563.6	482.7	400.9	332.9	267.2	191.9	132.3	89.7	53.6	26.6
-30°	554.4	512.9	443.7	370.5	312.3	248.1	186.9	131.6	88.9	52.5	24.9
-32.5°	527.0	468.6	407.4	346.7	289.9	228.2	175.6	129.4	86.7	50.5	24.0
-35°	493.7	433.0	373.2	321.9	266.6	211.4	162.5	125.6	83.2	47.2	23.1
-37.5°	458.8	399.8	345.6	296.3	242.9	193.6	151.5	115.9	78.2	42.6	21.7
-40°	421.5	367.3	318.4	270.0	221.4	174.8	139.7	105.3	71.8	36.6	19.7
-42.5°	383.2	335.8	289.8	243.6	200.0	160.8	127.0	93.6	61.9	32.5	17.3
-45°	347.3	303.2	260.4	219.4	178.7	146.0	113.1	81.2	51.2	29.1	15.4
-47.5°	310.3	270.9	232.8	195.0	161.7	130.1	98.2	68.7	40.1	25.0	14.7
-50°	275.5	240.4	206.6	174.5	144.0	112.5	82.7	55.6	34.2	19.8	13.9
-52.5°	246.6	212.9	183.2	154.7	124.0	93.8	67.8	42.7	27.7	17.3	13.0
-55°	219.6	187.9	161.4	132.0	102.4	76.4	52.3	34.8	20.9	15.9	12.0
-57.5°	194.7	164.5	135.3	106.9	81.6	58.7	40.4	26.3	18.0	14.4	11.4
-60°	167.9	134.9	106.4	82.8	60.9	43.5	30.1	19.6	16.3	13.0	10.7
-62.5°	131.1	102.8	79.4	58.9	43.7	31.3	20.8	17.7	14.5	12.1	9.9
-65°	94.6	72.2	52.7	41.3	30.0	21.5	18.6	15.7	13.3	11.2	9.1
-67.5°	58.4	47.0	36.2	26.0	21.6	18.9	16.3	14.2	12.3	10.2	8.6
-70°	37.4	28.0	23.6	21.0	18.5	16.3	14.7	13.0	11.2	9.6	8.0
-72.5°	24.0	21.9	19.7	17.6	16.2	14.8	13.3	11.9	10.4	8.9	7.5
-75°	19.6	18.2	16.9	15.8	14.5	13.2	12.1	11.0	9.6	8.3	7.1
-77.5°	16.4	15.5	14.7	13.8	12.7	11.7	10.9	10.2	8.9	7.8	6.7
-80°	13.5	12.9	12.2	11.4	10.6	10.1	9.7	9.3	8.2	7.3	6.4
-82.5°	11.0	10.4	9.9	9.5	9.2	9.0	8.7	8.4	7.6	6.8	6.1
-85°	9.0	8.7	8.4	8.2	8.1	7.9	7.7	7.5	6.9	6.4	5.9
-87.5°	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.6	6.3	6.0	5.8
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2



REPORT NUMBER: P731407 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.6	5.3	5.1	4.8	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	4.9	4.8	4.6	4.5	4.5	4.5	4.5
55°	5.1	4.9	4.7	4.5	4.5	4.5	4.5
52.5°	5.3	5.1	4.8	4.5	4.5	4.5	4.5
50°	5.5	5.2	5.0	4.5	4.6	4.5	4.5
47.5°	5.6	5.3	5.1	4.5	4.6	4.5	4.5
45°	5.6	5.4	5.2	4.6	4.6	4.5	4.5
42.5°	5.6	5.5	5.4	4.7	4.7	4.5	4.5
40°	5.6	5.5	5.4	4.9	4.7	4.5	4.5
37.5°	5.6	5.6	5.5	5.0	4.8	4.5	4.5
35°	5.6	5.6	5.5	5.1	4.8	4.5	4.5
32.5°	5.6	5.6	5.6	5.2	4.8	4.5	4.5
30°	5.7	5.6	5.6	5.3	4.9	4.5	4.5
27.5°	5.9	5.6	5.6	5.3	5.0	4.5	4.5
25°	6.0	5.6	5.6	5.4	5.0	4.5	4.5
22.5°	6.1	5.6	5.6	5.5	5.1	4.5	4.5
20°	6.3	5.7	5.6	5.5	5.1	4.5	4.5
17.5°	6.5	5.8	5.6	5.5	5.2	4.5	4.5
15°	6.7	5.9	5.6	5.6	5.3	4.5	4.5
12.5°	6.9	6.0	5.6	5.6	5.3	4.5	4.5
10°	7.2	6.2	5.6	5.6	5.4	4.5	4.5
7.5°	7.4	6.3	5.6	5.6	5.4	4.5	4.5
5°	7.6	6.4	5.6	5.6	5.5	4.5	4.5
2.5°	7.7	6.6	5.6	5.6	5.5	4.5	4.5
0°	7.9	6.7	5.6	5.6	5.6	4.5	4.5
-2.5°	8.8	6.9	5.7	5.7	5.6	4.5	4.5
-5°	9.6	7.2	5.8	5.7	5.6	4.5	4.5
-7.5°	10.4	7.4	5.9	5.8	5.6	4.6	4.5
-10°	11.1	7.6	6.0	5.9	5.6	4.6	4.5
-12.5°	11.7	7.8	6.1	5.9	5.6	4.6	4.5
-15°	12.2	7.9	6.2	6.0	5.5	4.6	4.5
-17.5°	12.6	8.0	6.3	6.0	5.5	4.7	4.5
-20°	13.0	8.0	6.4	6.1	5.5	4.7	4.5



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.4	8.1	6.4	6.1	5.5	4.7	4.5
-25°	13.6	8.2	6.5	6.1	5.5	4.7	4.5
-27.5°	13.5	8.3	6.6	6.1	5.5	4.7	4.5
-30°	13.1	8.3	6.7	6.1	5.5	4.7	4.5
-32.5°	12.3	8.3	6.8	6.1	5.4	4.7	4.5
-35°	12.0	8.2	6.9	6.0	5.4	4.8	4.5
-37.5°	11.9	8.2	7.0	6.0	5.4	4.8	4.5
-40°	11.6	8.3	7.1	5.9	5.4	4.8	4.5
-42.5°	11.3	8.3	7.0	5.8	5.4	4.8	4.5
-45°	10.9	8.3	6.9	5.8	5.4	4.8	4.5
-47.5°	10.3	8.2	6.8	5.7	5.4	4.8	4.5
-50°	10.1	8.1	6.7	5.7	5.4	4.8	4.5
-52.5°	9.8	7.9	6.5	5.7	5.4	4.8	4.5
-55°	9.4	7.7	6.4	5.7	5.4	4.8	4.5
-57.5°	9.0	7.4	6.2	5.7	5.4	4.7	4.5
-60°	8.5	7.1	6.0	5.7	5.5	4.7	4.5
-62.5°	8.1	6.8	6.0	5.7	5.4	4.7	4.5
-65°	7.6	6.5	5.9	5.7	5.3	4.7	4.5
-67.5°	7.2	6.3	5.8	5.6	5.3	4.7	4.5
-70°	6.7	6.1	5.8	5.6	5.2	4.7	4.5
-72.5°	6.4	6.0	5.7	5.5	5.1	4.7	4.5
-75°	6.2	5.8	5.6	5.4	5.0	4.6	4.5
-77.5°	5.9	5.7	5.5	5.3	5.0	4.6	4.5
-80°	5.6	5.6	5.4	5.2	4.9	4.6	4.5
-82.5°	5.6	5.5	5.3	5.1	4.8	4.6	4.5
-85°	5.6	5.4	5.2	5.0	4.7	4.5	4.5
-87.5°	5.6	5.4	5.1	4.9	4.6	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

