

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: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-4S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-70-4S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

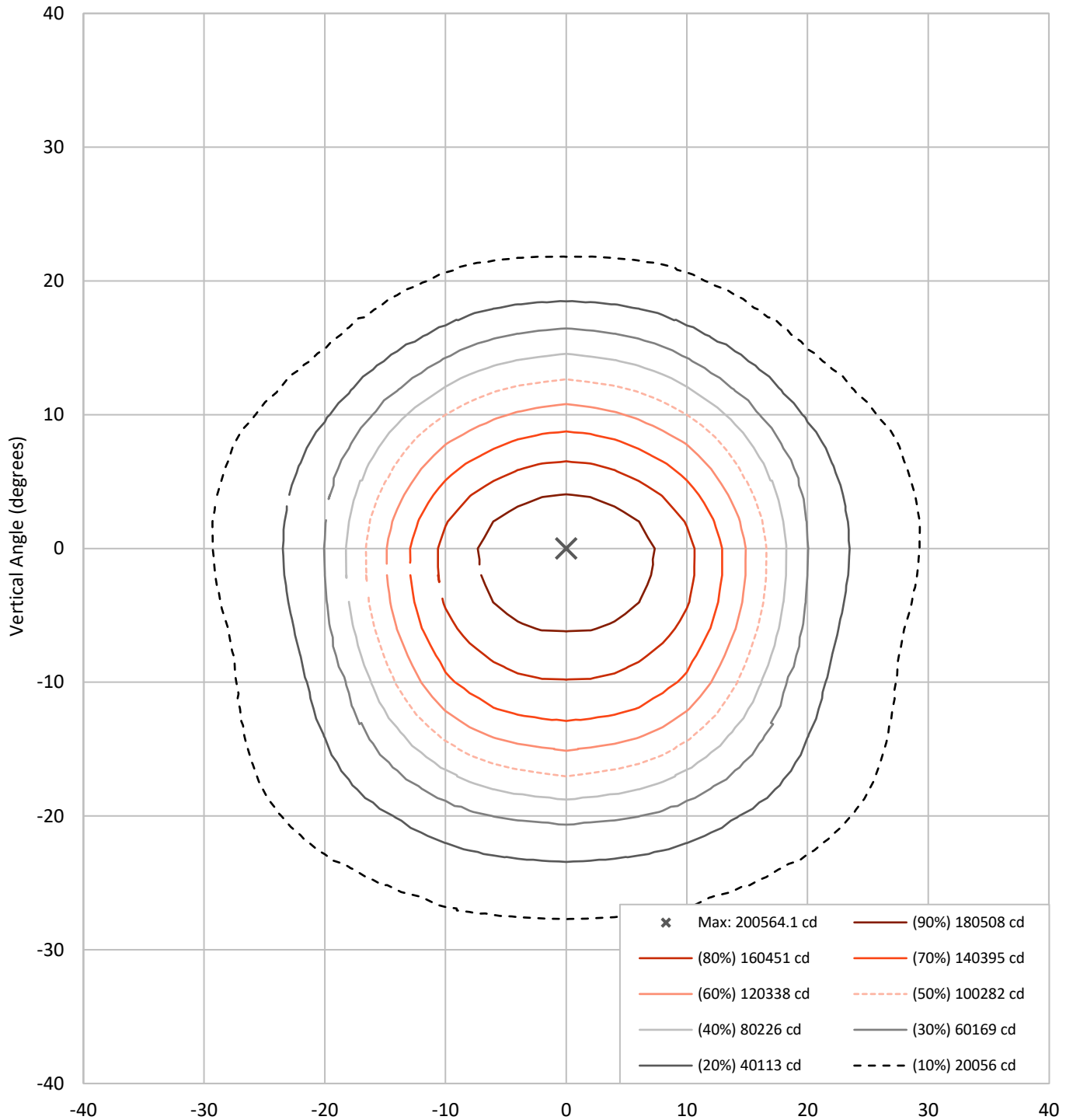
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	64189.6 lumens	Max Intensity:	200564.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	35222.9 lumens	Field Lumens:	56434.7 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

Input Watts (W): 559.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





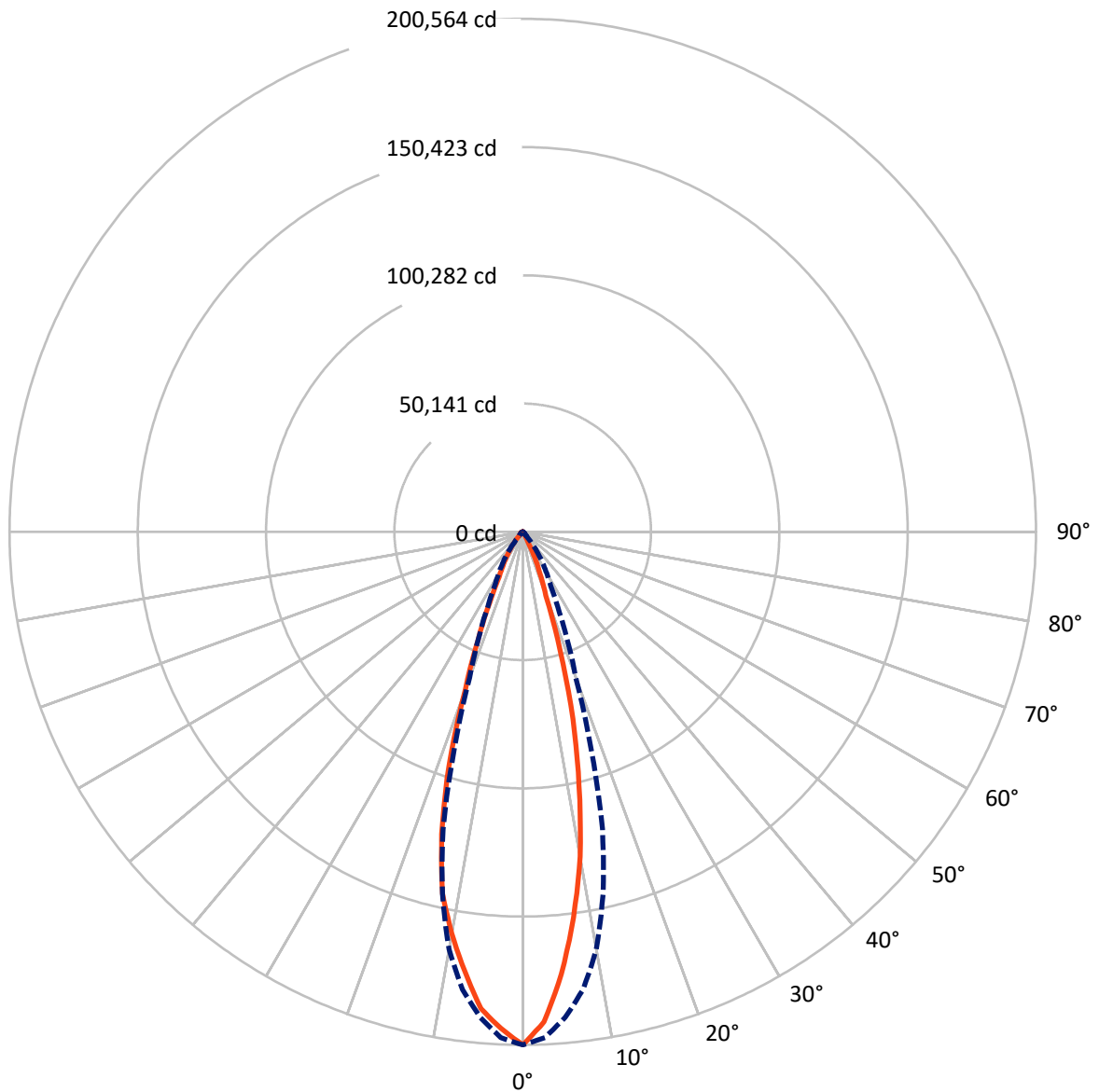
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### Lumen Table

90	0.2	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.2									
80	0.2	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.2									
70	0.2	0.1	0.2	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.2	0.1	0.2		
60		0.1	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.3	0.1			
50	0.2	0.1	0.3	0.5	0.6	0.7	1.0	1.3	1.3	1.0	0.7	0.6	0.5	0.3	0.1	0.2		
40		0.2	0.7	1.6	2.7	6.0	12.1	16.7	16.7	12.1	6.0	2.7	1.6	0.7	0.2			
30	0.2	0.4	2.3	6.3	23.5	85.6	202.7	342.9	342.9	202.7	85.6	23.5	6.3	2.3	0.4	0.2		
20		0.8	5.3	16.9	103.9	359.8	1104.1	2086.0	2086.0	1104.1	359.8	103.9	16.9	5.3	0.8			
10	0.3	1.5	9.0	31.9	242.0	862.1	2859.7	4831.9	4831.9	2859.7	862.1	242.0	31.9	9.0	1.5	0.3		
0		2.4	11.9	37.8	252.3	889.0	3209.6	5304.8	5304.8	3209.6	889.0	252.3	37.8	11.9	2.4			
-10	0.4	2.9	12.2	32.6	196.9	655.4	1916.9	3348.8	3348.8	1916.9	655.4	196.9	32.6	12.2	2.9	0.4		
-20		2.6	10.5	22.4	85.0	311.0	647.4	968.9	968.9	647.4	311.0	85.0	22.4	10.5	2.6			
-30	0.4	2.1	8.0	15.5	29.2	84.0	190.7	269.4	269.4	190.7	84.0	29.2	15.5	8.0	2.1	0.4		
-40		1.3	5.4	11.8	19.2	29.2	42.8	56.0	56.0	42.8	29.2	19.2	11.8	5.4	1.3			
-50	0.2	0.6	2.8	7.7	14.2	20.5	26.3	29.8	29.8	26.3	20.5	14.2	7.7	2.8	0.6	0.2		
-60		0.3	1.1	3.2	6.9	11.9	17.0	20.0	20.0	17.0	11.9	6.9	3.2	1.1	0.3			
-70	0.2	0.6	2.8	7.7	14.2	20.5	26.3	29.8	29.8	26.3	20.5	14.2	7.7	2.8	0.6	0.2		
-80		0.3	1.1	3.2	6.9	11.9	17.0	20.0	20.0	17.0	11.9	6.9	3.2	1.1	0.3			
-90	0.2	0.7	2.5	6.7	9.5	6.7	2.5	0.7	0.2									

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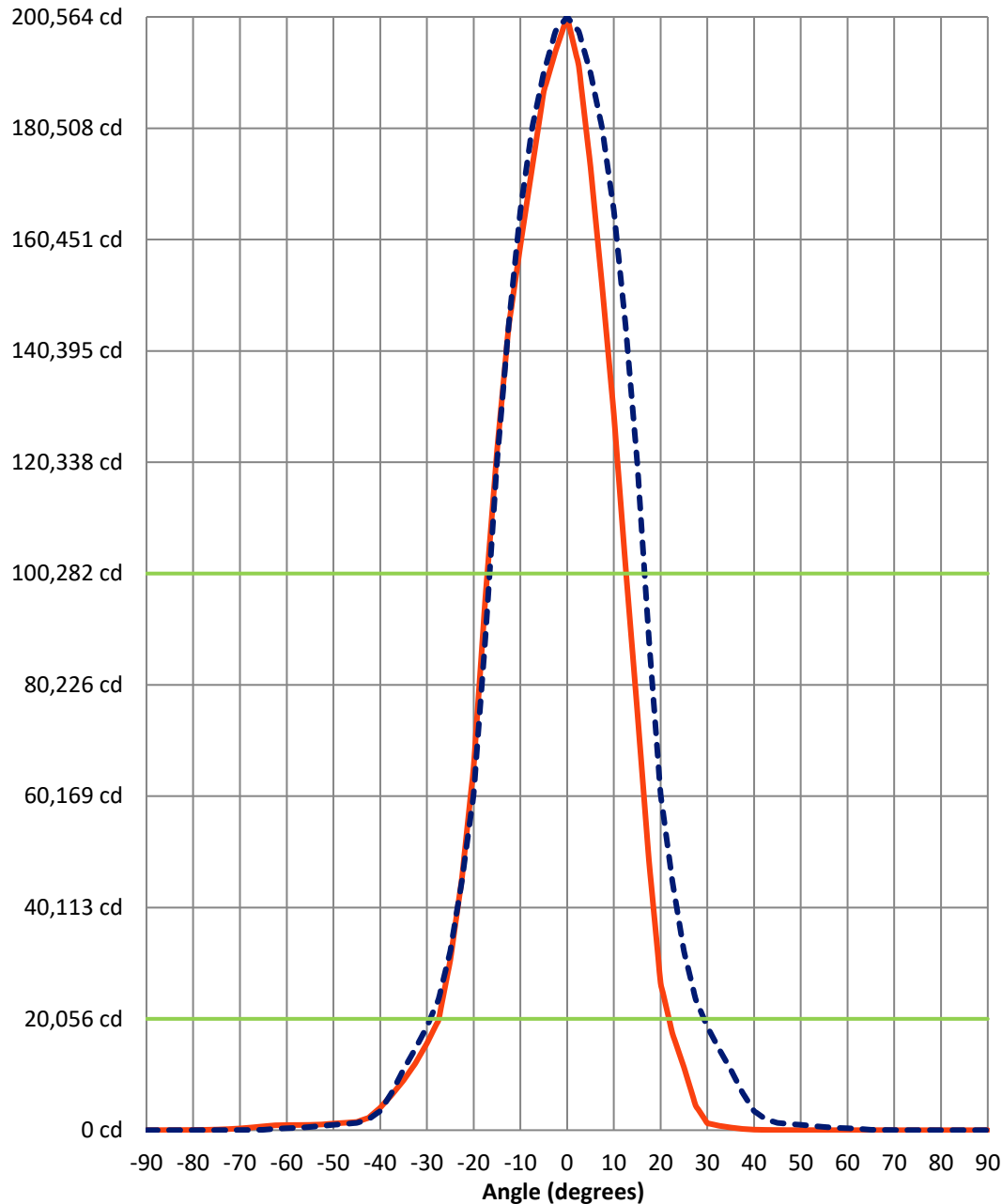
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.2°  
 V Angle: 29.7°  
 Lumens: 35222.9  
 Efficiency: 54.9%

**Field:**  
 H Angle: 58.6°  
 V Angle: 49.3°  
 Lumens: 56434.7  
 Efficiency: 87.9%

**Spill:**  
 Lumens: 7754.9  
 Efficiency: 12.1%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1
80°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.4	7.4	7.4	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.2	7.6	7.8	7.7	7.6	7.2
75°	7.1	7.1	7.1	7.1	7.2	7.6	8.0	8.2	8.1	7.6	7.2
72.5°	7.1	7.1	7.1	7.1	7.4	7.9	8.4	8.5	8.1	7.7	7.3
70°	7.1	7.1	7.1	7.1	7.7	8.3	8.8	8.5	8.1	7.7	7.8
67.5°	7.1	7.1	7.1	7.3	8.0	8.6	8.8	8.6	8.2	8.2	8.4
65°	7.1	7.1	7.1	7.6	8.3	8.8	8.8	8.6	8.4	8.5	8.8
62.5°	7.1	7.1	7.1	7.7	8.5	8.8	8.8	8.7	8.6	8.8	8.8
60°	7.1	7.1	7.1	7.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8
57.5°	7.1	7.1	7.2	8.1	8.8	8.8	8.8	8.8	8.8	8.8	8.8
55°	7.1	7.1	7.3	8.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8
52.5°	7.1	7.1	7.5	8.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8
50°	7.1	7.1	7.6	8.7	8.8	8.8	8.8	8.8	8.8	8.8	9.6
47.5°	7.1	7.1	7.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	10.4
45°	7.1	7.1	7.8	8.8	8.8	8.8	8.8	8.8	8.9	9.4	11.1
42.5°	7.1	7.1	7.9	8.8	8.8	8.8	8.8	8.9	9.0	9.9	11.5
40°	7.1	7.1	8.0	8.8	8.8	8.8	8.8	9.0	9.3	10.3	11.9
37.5°	7.1	7.1	8.1	8.8	8.8	8.8	8.8	9.2	9.8	10.9	12.3
35°	7.1	7.1	8.2	8.8	8.8	8.8	8.8	9.4	10.3	11.4	12.6
32.5°	7.1	7.1	8.3	8.8	8.8	8.8	8.9	9.6	10.8	12.0	13.4
30°	7.1	7.1	8.3	8.8	8.8	8.8	9.0	10.0	11.2	12.5	14.5
27.5°	7.1	7.1	8.4	8.8	8.8	8.8	9.2	10.3	11.7	13.0	15.9
25°	7.1	7.1	8.5	8.8	8.8	8.8	9.5	10.7	12.1	13.9	17.6
22.5°	7.1	7.1	8.5	8.8	8.8	8.8	9.7	11.1	12.5	15.1	21.3
20°	7.1	7.1	8.6	8.8	8.8	9.0	9.9	11.4	12.9	16.5	25.1
17.5°	7.1	7.1	8.6	8.8	8.8	9.1	10.1	11.7	13.2	17.9	28.9
15°	7.1	7.1	8.7	8.8	8.8	9.3	10.3	12.0	13.6	19.4	32.6
12.5°	7.1	7.1	8.7	8.8	8.8	9.5	10.4	12.4	14.5	20.9	36.3
10°	7.1	7.1	8.7	8.8	8.8	9.7	10.5	12.8	16.1	24.4	41.4
7.5°	7.1	7.1	8.8	8.8	8.8	10.0	10.6	13.1	17.8	28.1	49.9
5°	7.1	7.1	8.8	8.8	8.8	10.2	10.6	13.5	19.6	31.9	58.3
2.5°	7.1	7.1	8.8	8.8	8.8	10.4	10.6	13.8	21.3	35.5	66.5
0°	7.1	7.1	8.8	8.8	8.8	10.6	10.6	14.1	23.0	38.9	74.3
-2.5°	7.1	7.1	8.8	8.8	8.8	10.6	11.5	16.9	29.7	51.5	96.1
-5°	7.1	7.1	8.8	8.8	8.8	10.6	12.5	19.5	36.0	63.6	116.7
-7.5°	7.1	7.1	8.8	8.8	8.8	10.5	13.3	21.9	41.8	74.7	135.5
-10°	7.1	7.1	8.7	8.8	8.8	10.5	14.0	24.1	46.9	84.6	151.9
-12.5°	7.1	7.1	8.7	8.8	8.8	10.4	14.6	25.9	51.2	93.0	162.8
-15°	7.1	7.1	8.7	8.8	8.8	10.3	15.1	27.3	54.8	99.5	169.9
-17.5°	7.1	7.1	8.6	8.8	8.8	10.2	15.3	28.8	57.7	104.3	174.7
-20°	7.1	7.1	8.6	8.8	8.8	10.0	15.6	30.3	59.5	107.2	176.9



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.1	7.1	8.5	8.8	8.8	9.9	16.3	31.2	59.8	108.2	176.5
-25°	7.1	7.1	8.5	8.8	8.8	10.0	16.5	31.6	58.8	107.1	173.3
-27.5°	7.1	7.1	8.4	8.8	8.8	10.2	16.5	31.3	56.3	104.5	171.5
-30°	7.1	7.1	8.3	8.8	8.8	10.2	16.0	30.4	54.7	101.5	167.0
-32.5°	7.1	7.1	8.3	8.8	8.9	10.1	15.1	29.7	53.5	96.4	159.6
-35°	7.1	7.1	8.2	8.8	9.0	9.9	14.7	28.7	51.4	89.1	149.0
-37.5°	7.1	7.1	8.1	8.8	9.0	9.7	14.4	27.0	48.4	79.7	132.7
-40°	7.1	7.1	8.0	8.8	9.1	9.8	14.0	24.7	44.4	73.4	116.8
-42.5°	7.1	7.1	7.9	8.8	9.1	9.9	13.3	21.7	40.7	66.5	100.1
-45°	7.1	7.1	7.8	8.9	9.2	9.9	12.4	19.2	36.5	58.7	83.9
-47.5°	7.1	7.1	7.7	8.9	9.2	9.9	11.2	17.9	31.5	50.4	74.5
-50°	7.1	7.1	7.6	8.8	9.3	9.8	11.0	16.2	25.4	43.4	64.6
-52.5°	7.1	7.1	7.5	8.7	9.3	9.7	10.8	14.2	21.6	35.8	54.2
-55°	7.1	7.1	7.3	8.5	9.4	9.8	10.7	12.2	18.7	27.6	44.9
-57.5°	7.1	7.1	7.2	8.4	9.4	9.8	10.5	11.9	15.5	22.7	34.9
-60°	7.1	7.1	7.1	8.2	9.4	9.9	10.3	11.5	12.7	18.6	26.2
-62.5°	7.1	7.1	7.1	8.0	9.2	9.9	10.3	11.1	12.2	14.2	21.0
-65°	7.1	7.1	7.1	7.9	9.0	9.9	10.4	10.8	11.8	12.9	15.5
-67.5°	7.1	7.1	7.1	7.7	8.7	9.8	10.4	10.7	11.3	12.3	13.3
-70°	7.1	7.1	7.1	7.5	8.5	9.5	10.4	10.7	11.1	11.7	12.7
-72.5°	7.1	7.1	7.1	7.4	8.2	9.2	10.1	10.6	10.9	11.4	12.1
-75°	7.1	7.1	7.1	7.4	7.9	8.8	9.7	10.2	10.6	10.9	11.5
-77.5°	7.1	7.1	7.1	7.4	7.8	8.5	9.3	9.7	10.1	10.4	10.8
-80°	7.1	7.1	7.1	7.3	7.7	8.2	8.8	9.2	9.5	9.7	10.0
-82.5°	7.1	7.1	7.1	7.3	7.5	7.9	8.4	8.6	8.8	9.1	9.3
-85°	7.1	7.1	7.1	7.2	7.4	7.6	8.0	8.1	8.3	8.4	8.5
-87.5°	7.1	7.1	7.1	7.2	7.2	7.4	7.5	7.6	7.7	7.8	7.8
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.7	6.2	5.8
87.5°	6.7	6.2	5.8	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0
85°	6.7	6.2	5.9	5.6	5.6	5.6	5.5	5.3	5.1	4.9	4.7
82.5°	6.8	6.7	6.6	6.6	6.4	6.2	5.8	5.3	5.3	5.3	5.3
80°	7.0	7.1	7.1	7.1	6.7	6.3	5.8	5.4	5.3	5.4	5.4
77.5°	7.1	7.1	7.1	7.1	6.8	6.5	6.3	6.3	6.3	6.1	5.8
75°	7.1	7.1	7.2	7.2	7.0	7.0	7.1	7.1	6.8	6.4	5.9
72.5°	7.4	7.6	7.6	7.3	7.1	7.1	7.1	7.1	7.3	7.4	7.3
70°	8.1	8.1	7.8	7.4	7.1	7.4	8.3	9.2	9.8	9.9	10.2
67.5°	8.7	8.3	7.9	7.7	8.5	9.5	10.6	12.0	13.5	14.0	14.7
65°	8.8	8.4	8.4	9.1	10.4	11.8	13.4	15.2	19.0	21.4	22.5
62.5°	8.8	8.7	9.2	10.5	12.3	14.0	16.8	21.1	26.9	30.9	31.1
60°	8.8	9.0	10.3	12.3	14.2	16.5	20.7	27.2	35.8	42.4	38.6
57.5°	8.8	9.8	11.9	13.8	15.8	18.5	24.8	33.2	42.0	51.4	43.9
55°	9.3	11.3	13.2	15.0	17.4	20.9	27.4	35.4	45.1	47.8	39.2
52.5°	10.5	12.5	14.0	16.1	19.2	22.5	27.1	34.0	37.1	37.8	32.6
50°	11.5	13.0	14.6	17.2	20.3	23.1	24.4	28.6	29.8	28.3	25.5
47.5°	12.2	13.6	15.1	17.9	21.1	23.4	23.5	23.7	23.2	22.8	18.8
45°	12.6	14.1	15.6	18.8	22.1	24.1	23.0	19.7	22.4	21.7	20.7
42.5°	13.1	14.6	17.2	19.7	24.0	25.3	23.5	24.4	25.1	26.2	26.6
40°	13.5	15.1	19.4	24.1	26.6	27.2	30.1	32.4	31.4	34.3	36.1
37.5°	13.9	17.5	23.5	32.2	29.4	33.3	38.8	47.6	48.0	45.2	51.9
35°	14.2	20.3	33.4	42.8	40.5	42.9	57.4	69.0	72.5	68.7	73.0
32.5°	15.9	23.4	45.9	55.7	61.4	64.3	80.8	98.3	111.4	113.9	103.2
30°	19.2	34.8	60.2	71.3	87.7	103.6	115.1	136.2	163.2	184.3	192.9
27.5°	23.5	48.6	75.1	95.2	120.2	147.4	167.2	193.6	237.5	275.3	306.3
25°	28.0	67.5	91.8	124.4	161.6	196.7	227.4	271.3	329.5	392.2	501.2
22.5°	38.1	89.0	117.0	156.7	205.8	249.8	300.7	363.1	437.7	523.7	725.9
20°	54.5	110.2	147.2	192.7	253.4	305.4	377.2	456.9	558.7	742.2	1085.4
17.5°	72.1	133.0	178.2	235.3	310.6	376.4	456.8	550.0	684.8	978.5	1654.5
15°	90.3	156.9	207.7	280.4	373.1	467.0	564.1	665.6	858.5	1312.8	2379.2
12.5°	108.7	181.4	235.8	327.0	439.3	561.6	677.4	806.5	1085.5	1887.4	3452.6
10°	126.8	206.2	262.3	374.1	507.7	658.2	789.8	941.8	1321.4	2408.0	4412.6
7.5°	156.7	238.4	290.7	420.5	576.4	754.9	900.0	1070.7	1551.9	2861.7	5296.7
5°	188.2	278.0	335.9	477.3	644.3	841.1	999.7	1192.2	1770.1	3243.3	6126.0
2.5°	218.4	316.0	380.1	531.8	707.9	908.1	1063.0	1260.3	1886.8	3421.7	6638.3
0°	245.9	352.0	422.7	581.9	765.9	967.5	1119.6	1319.5	1958.0	3456.1	6802.5
-2.5°	279.2	391.5	466.8	621.7	797.6	1002.4	1155.5	1364.4	2031.6	3649.4	6832.2
-5°	307.9	428.0	508.7	657.1	824.2	1029.6	1185.5	1399.5	2066.0	3737.3	6688.6
-7.5°	331.0	461.4	548.4	685.2	837.9	1035.1	1196.5	1405.3	2042.0	3692.0	6394.6
-10°	345.0	475.5	558.0	684.7	833.4	1023.6	1196.6	1400.2	1973.0	3504.1	5981.8
-12.5°	334.9	471.6	559.8	679.5	824.9	1004.2	1188.2	1384.2	1855.6	3157.1	5498.8
-15°	322.3	465.3	558.6	669.6	812.8	977.0	1170.5	1356.9	1672.5	2619.0	4902.2
-17.5°	308.0	456.6	554.4	654.9	797.3	942.0	1134.5	1285.7	1483.1	2231.5	4214.5
-20°	292.5	445.7	546.9	635.3	778.3	891.6	1050.0	1205.6	1385.7	1897.6	3289.5



REPORT NUMBER: P731559 (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°	276.2	432.7	534.4	622.6	730.2	833.5	961.0	1113.5	1278.5	1482.8	2305.5
-25°	266.7	408.3	516.5	593.1	678.0	774.2	869.6	1010.4	1166.7	1331.1	1764.1
-27.5°	261.7	384.7	487.1	563.6	627.8	714.9	796.0	908.4	1053.3	1193.9	1331.1
-30°	253.3	351.2	457.3	533.1	591.3	659.9	729.8	821.0	949.6	1073.1	1186.8
-32.5°	235.0	317.2	420.5	499.1	559.0	609.0	678.1	759.5	858.5	965.7	1057.3
-35°	212.6	290.3	380.8	465.3	527.2	574.6	636.7	705.2	777.8	870.8	980.4
-37.5°	191.8	261.2	341.4	427.3	490.7	548.4	596.2	657.7	720.4	789.3	898.8
-40°	169.4	229.8	305.7	384.7	458.0	517.9	567.5	613.5	668.3	737.1	810.4
-42.5°	146.1	203.4	269.1	342.9	416.5	481.0	537.3	579.9	626.7	685.9	751.1
-45°	126.8	175.5	231.7	301.5	371.0	438.9	496.3	549.9	594.8	638.4	694.7
-47.5°	106.7	148.1	199.8	259.3	325.3	389.0	451.2	510.4	567.5	608.2	642.7
-50°	88.3	125.4	167.5	222.1	279.8	339.4	397.6	466.9	527.4	578.8	618.9
-52.5°	76.6	101.9	140.6	185.5	237.3	290.9	348.5	412.2	477.7	538.9	585.7
-55°	64.2	86.0	113.4	152.2	196.1	244.7	298.5	357.0	416.6	478.0	538.1
-57.5°	52.2	71.6	92.5	119.6	157.6	199.2	248.5	300.4	355.3	411.0	466.5
-60°	40.2	57.2	76.0	95.8	119.1	156.5	197.3	242.9	291.7	341.8	391.8
-62.5°	28.7	42.7	59.2	77.0	95.5	115.8	148.8	186.7	226.1	267.7	311.2
-65°	22.3	29.6	41.8	57.5	74.4	92.1	111.7	133.1	165.9	198.1	228.8
-67.5°	15.6	22.3	29.0	37.1	51.5	66.8	83.2	101.0	120.0	138.8	160.8
-70°	13.9	15.8	21.0	27.0	32.6	40.1	53.5	67.8	82.6	96.9	112.5
-72.5°	13.1	14.5	16.4	18.7	23.4	28.1	32.6	37.0	45.7	57.4	68.9
-75°	12.2	13.0	14.3	16.0	17.9	19.9	22.2	26.1	29.7	33.2	36.8
-77.5°	11.2	11.8	12.6	13.5	14.6	16.1	17.7	19.4	20.9	22.3	23.9
-80°	10.3	10.6	11.0	11.6	12.3	13.0	13.9	14.9	15.6	16.4	17.3
-82.5°	9.5	9.7	9.9	10.1	10.2	10.4	10.7	11.2	11.7	12.2	12.6
-85°	8.7	8.8	8.9	9.1	8.9	8.7	8.6	8.6	8.8	9.0	9.2
-87.5°	7.9	7.9	8.0	8.1	7.9	7.6	7.4	7.1	7.0	6.9	6.8
-90°	6.7	6.2	5.8	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0



REPORT NUMBER: P731559 (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°	5.3	5.3	5.3	5.3	5.3	6.2	7.1	7.9	8.8	9.7	10.6
87.5°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8
85°	4.7	4.4	4.2	3.9	3.5	3.4	3.4	3.4	3.4	3.0	2.6
82.5°	5.3	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5	3.1	2.7
80°	5.3	4.9	4.5	4.0	3.6	3.5	3.5	3.5	3.5	3.1	2.7
77.5°	5.4	5.0	4.8	4.6	4.5	4.4	4.2	3.9	3.6	3.1	2.7
75°	5.5	5.4	5.5	5.5	5.4	5.0	4.5	4.1	3.6	3.4	3.4
72.5°	7.0	6.7	6.6	6.7	6.7	6.5	6.1	5.7	5.1	5.0	5.1
70°	10.4	10.6	10.7	10.5	9.9	9.0	8.4	7.6	6.9	6.7	6.9
67.5°	15.7	15.9	15.4	14.3	12.4	10.8	10.1	9.4	8.7	8.4	8.6
65°	22.6	20.9	19.1	17.1	14.8	12.3	11.5	10.8	10.3	10.3	10.9
62.5°	29.1	23.7	19.1	16.2	14.0	12.2	11.4	10.6	9.9	9.5	9.8
60°	32.1	22.7	16.5	14.6	12.7	10.9	9.8	9.0	8.2	7.7	8.0
57.5°	32.1	22.3	15.3	13.0	11.1	9.4	8.5	8.0	7.5	7.1	7.6
55°	28.6	19.8	13.0	11.2	10.0	9.2	8.7	8.6	8.4	8.2	8.5
52.5°	23.0	16.6	12.1	10.4	10.5	10.5	10.5	10.5	10.7	11.0	11.4
50°	18.3	14.1	12.8	12.1	12.5	12.6	12.3	13.0	13.9	14.4	14.9
47.5°	16.8	15.4	15.5	15.1	15.8	17.0	17.2	17.8	19.1	20.0	20.6
45°	18.7	20.0	20.8	22.3	23.2	25.2	25.8	25.8	28.8	30.8	31.8
42.5°	26.1	28.3	31.1	33.9	35.2	37.9	40.5	42.0	46.4	49.8	51.2
40°	39.3	40.6	46.4	50.0	52.7	56.0	64.1	69.6	78.1	94.0	105.5
37.5°	57.8	62.0	65.5	70.6	81.7	87.1	113.3	137.1	153.4	192.9	215.2
35°	84.6	96.3	92.3	114.9	142.9	178.1	216.4	273.4	318.6	372.0	421.3
32.5°	132.7	161.1	188.6	214.9	277.8	378.8	381.6	488.3	559.7	646.3	722.5
30°	210.0	310.5	436.9	478.7	655.9	854.0	799.0	962.7	1124.9	1221.4	1554.6
27.5°	414.5	640.9	892.0	1211.1	1541.3	1881.7	2107.2	2186.1	3006.8	3610.3	4395.9
25°	709.2	1106.4	1808.0	2324.8	2904.5	3660.6	4097.3	4685.2	6054.2	7760.3	9085.4
22.5°	1130.1	1824.2	2751.2	3533.3	4402.2	5421.1	6342.5	7752.0	9880.9	12209.6	14190.6
20°	1601.9	2496.8	3671.3	4843.1	5982.1	7309.9	8913.2	11791.4	15080.8	18731.1	22031.2
17.5°	2472.4	3352.4	4856.5	6458.5	8076.7	9676.1	13201.8	17464.3	22613.7	28022.5	32826.6
15°	3716.3	5140.5	6632.4	8750.6	11444.2	14517.7	18982.8	26459.0	34456.4	42897.9	52961.3
12.5°	5339.5	7404.3	9642.4	12094.9	15746.9	21357.4	28764.6	37890.0	49337.3	62001.5	76321.4
10°	6996.1	9973.9	13056.0	16558.7	21371.9	28598.7	38164.5	49590.6	67593.0	85336.8	100282.1
7.5°	8342.9	11813.3	15701.9	20354.8	26628.3	35433.9	47255.1	63768.4	85237.3	106349.3	123068.8
5°	9606.6	13418.9	17467.0	22221.0	29784.3	40402.9	54639.2	75241.8	100925.8	123378.7	141294.6
2.5°	10523.2	14527.8	18715.8	23553.0	32175.8	43423.6	59053.3	84609.5	114171.7	137176.1	157718.5
0°	10928.9	14634.4	18640.6	23603.6	32254.4	44964.4	60584.0	88565.2	120303.1	145034.2	165669.0
-2.5°	10425.9	14023.3	18157.4	23005.9	31677.8	43887.5	60022.0	88119.7	119966.8	145048.0	165392.1
-5°	9893.6	13304.0	17141.8	21623.5	29531.0	40883.9	57345.5	84191.9	114752.6	139968.0	159813.4
-7.5°	9326.2	12447.6	15881.1	19902.1	26917.3	37842.1	53127.8	75786.2	104352.2	130025.9	148690.5
-10°	8677.5	11519.1	15129.7	19391.5	25498.6	34995.1	47636.2	65788.5	92544.3	116397.7	136890.4
-12.5°	8296.6	11327.5	14935.5	18850.1	23776.3	32145.3	43647.1	59131.1	77446.3	99603.7	117838.0
-15°	7807.1	10875.1	14453.2	18125.8	22685.8	29220.0	38301.1	49674.2	63610.4	78541.8	94726.6
-17.5°	7002.3	10068.5	12950.0	16396.8	20727.9	25890.4	32416.3	41242.7	50489.3	61068.9	70752.1
-20°	5676.9	8153.6	10878.7	14126.4	17849.6	21761.7	26119.7	32133.6	37999.1	45405.8	51351.9



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4084.3	6177.8	8538.7	11222.7	14171.1	17520.5	20803.5	23977.1	27997.0	32685.3	37462.9
-25°	2660.0	4208.8	6253.2	8453.0	10512.2	13188.9	15547.5	17442.8	20153.6	22275.0	25170.2
-27.5°	1841.9	2848.6	4371.6	6124.3	7748.5	9461.8	11381.9	12675.9	14787.5	15935.1	17709.9
-30°	1347.7	1912.8	3008.1	4319.0	5734.0	7192.4	8563.1	9985.9	11454.8	12753.7	13738.6
-32.5°	1195.2	1417.1	1957.3	2900.8	4008.0	5230.9	6391.6	7632.0	8802.2	9809.0	10621.6
-35°	1091.6	1216.1	1385.7	1884.7	2545.4	3500.1	4413.3	5417.3	6357.2	7135.6	7787.9
-37.5°	1009.6	1109.3	1216.1	1325.5	1696.4	2114.3	2763.4	3461.1	4064.3	4753.4	5285.7
-40°	916.4	1022.9	1108.4	1195.8	1294.1	1398.9	1750.3	2062.7	2403.5	2868.7	3248.8
-42.5°	820.3	913.0	1009.3	1090.6	1164.8	1243.2	1322.1	1392.1	1565.1	1770.2	1925.9
-45°	753.8	819.3	889.9	976.1	1056.0	1123.9	1187.8	1249.0	1311.8	1369.8	1417.9
-47.5°	695.2	748.2	806.3	865.5	925.6	995.4	1061.0	1123.2	1177.6	1227.1	1266.9
-50°	652.4	689.1	737.4	784.2	835.5	884.2	927.7	978.7	1034.5	1085.2	1125.7
-52.5°	630.7	662.8	690.6	724.1	770.5	811.3	847.0	887.4	926.2	961.7	987.8
-55°	588.2	630.1	670.7	708.4	740.4	769.5	800.6	840.2	874.2	903.5	919.6
-57.5°	521.5	575.4	626.4	674.2	719.2	761.5	796.7	828.1	859.7	889.6	903.4
-60°	442.7	494.2	547.4	605.0	663.0	720.8	763.4	804.0	842.3	874.4	891.4
-62.5°	358.0	404.9	452.6	504.4	559.6	613.7	660.2	708.6	758.2	801.0	828.3
-65°	261.8	301.7	344.4	386.9	428.9	472.1	513.6	554.3	593.9	626.0	648.3
-67.5°	187.7	213.4	239.8	267.1	299.6	333.0	363.6	393.2	421.6	444.2	460.9
-70°	129.0	145.7	161.2	178.6	199.4	219.7	238.6	256.5	273.2	287.5	299.4
-72.5°	80.3	91.2	102.0	114.2	126.0	137.4	148.0	158.0	167.3	175.7	183.3
-75°	40.3	45.4	54.0	62.1	69.8	77.8	85.1	91.6	97.2	101.9	105.9
-77.5°	26.2	29.4	32.5	35.5	38.2	41.9	46.0	50.2	54.3	57.6	60.8
-80°	18.3	20.1	22.0	24.0	25.9	28.3	30.6	33.0	35.3	36.8	38.1
-82.5°	13.0	14.0	15.1	16.3	17.4	19.1	20.8	22.4	24.0	25.1	26.2
-85°	9.3	9.8	10.3	10.8	11.4	12.9	14.4	15.8	17.3	18.3	19.2
-87.5°	6.8	6.8	6.9	6.9	6.9	8.2	9.6	10.9	12.3	12.7	13.2
-90°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.5	12.4	12.4	12.4	12.4	12.4	11.5	10.6	9.7	8.8	7.9
87.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	2.2
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.4	3.4
82.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
80°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
77.5°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.1	3.6	3.9
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.6	4.1
72.5°	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.1	5.0	5.1	5.7
70°	7.0	7.0	6.3	5.3	6.3	7.0	7.0	6.9	6.7	6.9	7.6
67.5°	8.7	8.7	9.6	10.6	9.6	8.7	8.7	8.6	8.4	8.7	9.4
65°	11.5	12.2	11.6	10.6	11.6	12.2	11.5	10.9	10.3	10.3	10.8
62.5°	10.2	10.6	9.8	8.8	9.8	10.6	10.2	9.8	9.5	9.9	10.6
60°	8.4	8.8	8.8	8.8	8.8	8.8	8.4	8.0	7.7	8.2	9.0
57.5°	8.1	8.6	8.8	8.8	8.8	8.6	8.1	7.6	7.1	7.5	8.0
55°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.5	8.2	8.4	8.6
52.5°	11.9	12.2	12.3	12.4	12.3	12.2	11.9	11.4	11.0	10.7	10.5
50°	15.3	15.6	15.8	15.9	15.8	15.6	15.3	14.9	14.4	13.9	13.0
47.5°	21.0	21.1	21.1	21.2	21.1	21.1	21.0	20.6	20.0	19.1	17.8
45°	32.3	31.9	31.6	31.8	31.6	31.9	32.3	31.8	30.8	28.8	25.8
42.5°	52.6	52.7	52.6	53.1	52.6	52.7	52.6	51.2	49.8	46.4	42.0
40°	108.7	104.8	99.2	99.0	99.2	104.8	108.7	105.5	94.0	78.1	69.6
37.5°	226.2	230.2	229.7	233.5	229.7	230.2	226.2	215.2	192.9	153.4	137.1
35°	458.9	479.4	484.1	482.9	484.1	479.4	458.9	421.3	372.0	318.6	273.4
32.5°	755.7	783.0	790.7	801.2	790.7	783.0	755.7	722.5	646.3	559.7	488.3
30°	1328.6	1365.4	1330.4	1259.3	1330.4	1365.4	1328.6	1554.6	1221.4	1124.9	962.7
27.5°	4814.2	4990.8	4593.3	4448.3	4593.3	4990.8	4814.2	4395.9	3610.3	3006.8	2186.1
25°	9811.2	10592.1	11392.5	11321.6	11392.5	10592.1	9811.2	9085.4	7760.3	6054.2	4685.2
22.5°	15834.1	16625.4	17284.9	17512.1	17284.9	16625.4	15834.1	14190.6	12209.6	9880.9	7752.0
20°	25079.9	26621.0	27724.5	26548.5	27724.5	26621.0	25079.9	22031.2	18731.1	15080.8	11791.4
17.5°	40088.7	44729.6	47140.4	48662.8	47140.4	44729.6	40088.7	32826.6	28022.5	22613.7	17464.3
15°	62230.8	69229.7	73107.1	75674.7	73107.1	69229.7	62230.8	52961.3	42897.9	34456.4	26459.0
12.5°	87766.1	95396.9	98824.0	101621.0	98824.0	95396.9	87766.1	76321.4	62001.5	49337.3	37890.0
10°	112040.8	120284.9	125992.8	128959.2	125992.8	120284.9	112040.8	100282.1	85336.8	67593.0	49590.6
7.5°	134282.4	144367.2	150159.3	152003.0	150159.3	144367.2	134282.4	123068.8	106349.3	85237.3	63768.4
5°	156037.6	165035.5	172001.1	173580.5	172001.1	165035.5	156037.6	141294.6	123378.7	100925.8	75241.8
2.5°	172788.1	183571.9	189825.7	191716.1	189825.7	183571.9	172788.1	157718.5	137176.1	114171.7	84609.5
0°	180464.4	190503.6	197908.4	200564.1	197908.4	190503.6	180464.4	165669.0	145034.2	120303.1	88565.2
-2.5°	178858.8	188110.6	193410.9	194324.1	193410.9	188110.6	178858.8	165392.1	145048.0	119966.8	88119.7
-5°	173211.8	181712.3	186947.4	187097.1	186947.4	181712.3	173211.8	159813.4	139968.0	114752.6	84191.9
-7.5°	160808.1	168757.0	172406.6	173323.2	172406.6	168757.0	160808.1	148690.5	130025.9	104352.2	75786.2
-10°	148183.4	155557.9	159006.7	159388.3	159006.7	155557.9	148183.4	136890.4	116397.7	92544.3	65788.5
-12.5°	131830.3	139721.1	143164.6	144784.0	143164.6	139721.1	131830.3	117838.0	99603.7	77446.3	59131.1
-15°	107495.1	115125.4	119256.6	122307.1	119256.6	115125.4	107495.1	94726.6	78541.8	63610.4	49674.2
-17.5°	81420.1	87960.3	92031.5	95737.3	92031.5	87960.3	81420.1	70752.1	61068.9	50489.3	41242.7
-20°	57967.6	62132.7	63412.1	65409.1	63412.1	62132.7	57967.6	51351.9	45405.8	37999.1	32133.6



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	40713.6	43081.8	44581.9	45429.6	44581.9	43081.8	40713.6	37462.9	32685.3	27997.0	23977.1
-25°	27601.0	29243.4	29882.1	30618.3	29882.1	29243.4	27601.0	25170.2	22275.0	20153.6	17442.8
-27.5°	18488.3	19162.7	19623.3	19873.4	19623.3	19162.7	18488.3	17709.9	15935.1	14787.5	12675.9
-30°	14531.5	15148.2	15518.1	15635.5	15518.1	15148.2	14531.5	13738.6	12753.7	11454.8	9985.9
-32.5°	11250.6	11716.8	11966.0	11999.0	11966.0	11716.8	11250.6	10621.6	9809.0	8802.2	7632.0
-35°	8334.8	8759.4	8994.5	8978.0	8994.5	8759.4	8334.8	7787.9	7135.6	6357.2	5417.3
-37.5°	5743.4	6103.4	6324.2	6381.5	6324.2	6103.4	5743.4	5285.7	4753.4	4064.3	3461.1
-40°	3593.0	3857.4	4015.2	4036.2	4015.2	3857.4	3593.0	3248.8	2868.7	2403.5	2062.7
-42.5°	2062.5	2169.6	2229.7	2226.8	2229.7	2169.6	2062.5	1925.9	1770.2	1565.1	1392.1
-45°	1449.5	1473.5	1487.1	1489.3	1487.1	1473.5	1449.5	1417.9	1369.8	1311.8	1249.0
-47.5°	1295.6	1318.3	1330.4	1331.8	1330.4	1318.3	1295.6	1266.9	1227.1	1177.6	1123.2
-50°	1158.1	1185.0	1199.6	1202.7	1199.6	1185.0	1158.1	1125.7	1085.2	1034.5	978.7
-52.5°	1008.8	1026.6	1032.6	1029.4	1032.6	1026.6	1008.8	987.8	961.7	926.2	887.4
-55°	934.7	949.2	955.5	956.9	955.5	949.2	934.7	919.6	903.5	874.2	840.2
-57.5°	916.7	929.8	933.8	933.9	933.8	929.8	916.7	903.4	889.6	859.7	828.1
-60°	908.2	924.4	927.5	925.0	927.5	924.4	908.2	891.4	874.4	842.3	804.0
-62.5°	852.6	873.3	879.9	879.1	879.9	873.3	852.6	828.3	801.0	758.2	708.6
-65°	667.2	682.5	690.3	693.3	690.3	682.5	667.2	648.3	626.0	593.9	554.3
-67.5°	474.6	485.1	488.6	488.2	488.6	485.1	474.6	460.9	444.2	421.6	393.2
-70°	309.4	317.6	318.4	316.6	318.4	317.6	309.4	299.4	287.5	273.2	256.5
-72.5°	189.9	195.5	195.0	192.8	195.0	195.5	189.9	183.3	175.7	167.3	158.0
-75°	109.3	112.0	111.3	109.7	111.3	112.0	109.3	105.9	101.9	97.2	91.6
-77.5°	63.8	66.6	67.1	67.2	67.1	66.6	63.8	60.8	57.6	54.3	50.2
-80°	39.3	40.5	40.7	40.7	40.7	40.5	39.3	38.1	36.8	35.3	33.0
-82.5°	27.2	28.2	28.3	28.3	28.3	28.2	27.2	26.2	25.1	24.0	22.4
-85°	20.2	21.1	21.2	21.2	21.2	21.1	20.2	19.2	18.3	17.3	15.8
-87.5°	13.7	14.1	14.1	14.1	14.1	14.1	13.7	13.2	12.7	12.3	10.9
-90°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	2.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.2	5.3	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1
87.5°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.9	5.3
85°	3.4	3.4	3.5	3.9	4.2	4.4	4.7	4.7	4.9	5.1	5.3
82.5°	3.5	3.5	3.5	4.0	4.4	4.9	5.3	5.3	5.3	5.3	5.3
80°	3.5	3.5	3.6	4.0	4.5	4.9	5.3	5.4	5.4	5.3	5.4
77.5°	4.2	4.4	4.5	4.6	4.8	5.0	5.4	5.8	6.1	6.3	6.3
75°	4.5	5.0	5.4	5.5	5.5	5.4	5.5	5.9	6.4	6.8	7.1
72.5°	6.1	6.5	6.7	6.7	6.6	6.7	7.0	7.3	7.4	7.3	7.1
70°	8.4	9.0	9.9	10.5	10.7	10.6	10.4	10.2	9.9	9.8	9.2
67.5°	10.1	10.8	12.4	14.3	15.4	15.9	15.7	14.7	14.0	13.5	12.0
65°	11.5	12.3	14.8	17.1	19.1	20.9	22.6	22.5	21.4	19.0	15.2
62.5°	11.4	12.2	14.0	16.2	19.1	23.7	29.1	31.1	30.9	26.9	21.1
60°	9.8	10.9	12.7	14.6	16.5	22.7	32.1	38.6	42.4	35.8	27.2
57.5°	8.5	9.4	11.1	13.0	15.3	22.3	32.1	43.9	51.4	42.0	33.2
55°	8.7	9.2	10.0	11.2	13.0	19.8	28.6	39.2	47.8	45.1	35.4
52.5°	10.5	10.5	10.5	10.4	12.1	16.6	23.0	32.6	37.8	37.1	34.0
50°	12.3	12.6	12.5	12.1	12.8	14.1	18.3	25.5	28.3	29.8	28.6
47.5°	17.2	17.0	15.8	15.1	15.5	15.4	16.8	18.8	22.8	23.2	23.7
45°	25.8	25.2	23.2	22.3	20.8	20.0	18.7	20.7	21.7	22.4	19.7
42.5°	40.5	37.9	35.2	33.9	31.1	28.3	26.1	26.6	26.2	25.1	24.4
40°	64.1	56.0	52.7	50.0	46.4	40.6	39.3	36.1	34.3	31.4	32.4
37.5°	113.3	87.1	81.7	70.6	65.5	62.0	57.8	51.9	45.2	48.0	47.6
35°	216.4	178.1	142.9	114.9	92.3	96.3	84.6	73.0	68.7	72.5	69.0
32.5°	381.6	378.8	277.8	214.9	188.6	161.1	132.7	103.2	113.9	111.4	98.3
30°	799.0	854.0	655.9	478.7	436.9	310.5	210.0	192.9	184.3	163.2	136.2
27.5°	2107.2	1881.7	1541.3	1211.1	892.0	640.9	414.5	306.3	275.3	237.5	193.6
25°	4097.3	3660.6	2904.5	2324.8	1808.0	1106.4	709.2	501.2	392.2	329.5	271.3
22.5°	6342.5	5421.1	4402.2	3533.3	2751.2	1824.2	1130.1	725.9	523.7	437.7	363.1
20°	8913.2	7309.9	5982.1	4843.1	3671.3	2496.8	1601.9	1085.4	742.2	558.7	456.9
17.5°	13201.8	9676.1	8076.7	6458.5	4856.5	3352.4	2472.4	1654.5	978.5	684.8	550.0
15°	18982.8	14517.7	11444.2	8750.6	6632.4	5140.5	3716.3	2379.2	1312.8	858.5	665.6
12.5°	28764.6	21357.4	15746.9	12094.9	9642.4	7404.3	5339.5	3452.6	1887.4	1085.5	806.5
10°	38164.5	28598.7	21371.9	16558.7	13056.0	9973.9	6996.1	4412.6	2408.0	1321.4	941.8
7.5°	47255.1	35433.9	26628.3	20354.8	15701.9	11813.3	8342.9	5296.7	2861.7	1551.9	1070.7
5°	54639.2	40402.9	29784.3	22221.0	17467.0	13418.9	9606.6	6126.0	3243.3	1770.1	1192.2
2.5°	59053.3	43423.6	32175.8	23553.0	18715.8	14527.8	10523.2	6638.3	3421.7	1886.8	1260.3
0°	60584.0	44964.4	32254.4	23603.6	18640.6	14634.4	10928.9	6802.5	3456.1	1958.0	1319.5
-2.5°	60022.0	43887.5	31677.8	23005.9	18157.4	14023.3	10425.9	6832.2	3649.4	2031.6	1364.4
-5°	57345.5	40883.9	29531.0	21623.5	17141.8	13304.0	9893.6	6688.6	3737.3	2066.0	1399.5
-7.5°	53127.8	37842.1	26917.3	19902.1	15881.1	12447.6	9326.2	6394.6	3692.0	2042.0	1405.3
-10°	47636.2	34995.1	25498.6	19391.5	15129.7	11519.1	8677.5	5981.8	3504.1	1973.0	1400.2
-12.5°	43647.1	32145.3	23776.3	18850.1	14935.5	11327.5	8296.6	5498.8	3157.1	1855.6	1384.2
-15°	38301.1	29220.0	22685.8	18125.8	14453.2	10875.1	7807.1	4902.2	2619.0	1672.5	1356.9
-17.5°	32416.3	25890.4	20727.9	16396.8	12950.0	10068.5	7002.3	4214.5	2231.5	1483.1	1285.7
-20°	26119.7	21761.7	17849.6	14126.4	10878.7	8153.6	5676.9	3289.5	1897.6	1385.7	1205.6



REPORT NUMBER: P731559 (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°	20803.5	17520.5	14171.1	11222.7	8538.7	6177.8	4084.3	2305.5	1482.8	1278.5	1113.5
-25°	15547.5	13188.9	10512.2	8453.0	6253.2	4208.8	2660.0	1764.1	1331.1	1166.7	1010.4
-27.5°	11381.9	9461.8	7748.5	6124.3	4371.6	2848.6	1841.9	1331.1	1193.9	1053.3	908.4
-30°	8563.1	7192.4	5734.0	4319.0	3008.1	1912.8	1347.7	1186.8	1073.1	949.6	821.0
-32.5°	6391.6	5230.9	4008.0	2900.8	1957.3	1417.1	1195.2	1057.3	965.7	858.5	759.5
-35°	4413.3	3500.1	2545.4	1884.7	1385.7	1216.1	1091.6	980.4	870.8	777.8	705.2
-37.5°	2763.4	2114.3	1696.4	1325.5	1216.1	1109.3	1009.6	898.8	789.3	720.4	657.7
-40°	1750.3	1398.9	1294.1	1195.8	1108.4	1022.9	916.4	810.4	737.1	668.3	613.5
-42.5°	1322.1	1243.2	1164.8	1090.6	1009.3	913.0	820.3	751.1	685.9	626.7	579.9
-45°	1187.8	1123.9	1056.0	976.1	889.9	819.3	753.8	694.7	638.4	594.8	549.9
-47.5°	1061.0	995.4	925.6	865.5	806.3	748.2	695.2	642.7	608.2	567.5	510.4
-50°	927.7	884.2	835.5	784.2	737.4	689.1	652.4	618.9	578.8	527.4	466.9
-52.5°	847.0	811.3	770.5	724.1	690.6	662.8	630.7	585.7	538.9	477.7	412.2
-55°	800.6	769.5	740.4	708.4	670.7	630.1	588.2	538.1	478.0	416.6	357.0
-57.5°	796.7	761.5	719.2	674.2	626.4	575.4	521.5	466.5	411.0	355.3	300.4
-60°	763.4	720.8	663.0	605.0	547.4	494.2	442.7	391.8	341.8	291.7	242.9
-62.5°	660.2	613.7	559.6	504.4	452.6	404.9	358.0	311.2	267.7	226.1	186.7
-65°	513.6	472.1	428.9	386.9	344.4	301.7	261.8	228.8	198.1	165.9	133.1
-67.5°	363.6	333.0	299.6	267.1	239.8	213.4	187.7	160.8	138.8	120.0	101.0
-70°	238.6	219.7	199.4	178.6	161.2	145.7	129.0	112.5	96.9	82.6	67.8
-72.5°	148.0	137.4	126.0	114.2	102.0	91.2	80.3	68.9	57.4	45.7	37.0
-75°	85.1	77.8	69.8	62.1	54.0	45.4	40.3	36.8	33.2	29.7	26.1
-77.5°	46.0	41.9	38.2	35.5	32.5	29.4	26.2	23.9	22.3	20.9	19.4
-80°	30.6	28.3	25.9	24.0	22.0	20.1	18.3	17.3	16.4	15.6	14.9
-82.5°	20.8	19.1	17.4	16.3	15.1	14.0	13.0	12.6	12.2	11.7	11.2
-85°	14.4	12.9	11.4	10.8	10.3	9.8	9.3	9.2	9.0	8.8	8.6
-87.5°	9.6	8.2	6.9	6.9	6.9	6.8	6.8	6.8	6.9	7.0	7.1
-90°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.9	5.3





REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1
85°	5.5	5.6	5.6	5.6	5.9	6.2	6.7	7.1	7.1	7.1	7.1
82.5°	5.8	6.2	6.4	6.6	6.6	6.7	6.8	7.1	7.2	7.1	7.1
80°	5.8	6.3	6.7	7.1	7.1	7.1	7.0	7.1	7.4	7.4	7.4
77.5°	6.3	6.5	6.8	7.1	7.1	7.1	7.1	7.2	7.6	7.7	7.8
75°	7.1	7.0	7.0	7.2	7.2	7.1	7.1	7.2	7.6	8.1	8.2
72.5°	7.1	7.1	7.1	7.3	7.6	7.6	7.4	7.3	7.7	8.1	8.5
70°	8.3	7.4	7.1	7.4	7.8	8.1	8.1	7.8	7.7	8.1	8.5
67.5°	10.6	9.5	8.5	7.7	7.9	8.3	8.7	8.4	8.2	8.2	8.6
65°	13.4	11.8	10.4	9.1	8.4	8.4	8.8	8.8	8.5	8.4	8.6
62.5°	16.8	14.0	12.3	10.5	9.2	8.7	8.8	8.8	8.8	8.6	8.7
60°	20.7	16.5	14.2	12.3	10.3	9.0	8.8	8.8	8.8	8.8	8.8
57.5°	24.8	18.5	15.8	13.8	11.9	9.8	8.8	8.8	8.8	8.8	8.8
55°	27.4	20.9	17.4	15.0	13.2	11.3	9.3	8.8	8.8	8.8	8.8
52.5°	27.1	22.5	19.2	16.1	14.0	12.5	10.5	8.8	8.8	8.8	8.8
50°	24.4	23.1	20.3	17.2	14.6	13.0	11.5	9.6	8.8	8.8	8.8
47.5°	23.5	23.4	21.1	17.9	15.1	13.6	12.2	10.4	8.8	8.8	8.8
45°	23.0	24.1	22.1	18.8	15.6	14.1	12.6	11.1	9.4	8.9	8.8
42.5°	23.5	25.3	24.0	19.7	17.2	14.6	13.1	11.5	9.9	9.0	8.9
40°	30.1	27.2	26.6	24.1	19.4	15.1	13.5	11.9	10.3	9.3	9.0
37.5°	38.8	33.3	29.4	32.2	23.5	17.5	13.9	12.3	10.9	9.8	9.2
35°	57.4	42.9	40.5	42.8	33.4	20.3	14.2	12.6	11.4	10.3	9.4
32.5°	80.8	64.3	61.4	55.7	45.9	23.4	15.9	13.4	12.0	10.8	9.6
30°	115.1	103.6	87.7	71.3	60.2	34.8	19.2	14.5	12.5	11.2	10.0
27.5°	167.2	147.4	120.2	95.2	75.1	48.6	23.5	15.9	13.0	11.7	10.3
25°	227.4	196.7	161.6	124.4	91.8	67.5	28.0	17.6	13.9	12.1	10.7
22.5°	300.7	249.8	205.8	156.7	117.0	89.0	38.1	21.3	15.1	12.5	11.1
20°	377.2	305.4	253.4	192.7	147.2	110.2	54.5	25.1	16.5	12.9	11.4
17.5°	456.8	376.4	310.6	235.3	178.2	133.0	72.1	28.9	17.9	13.2	11.7
15°	564.1	467.0	373.1	280.4	207.7	156.9	90.3	32.6	19.4	13.6	12.0
12.5°	677.4	561.6	439.3	327.0	235.8	181.4	108.7	36.3	20.9	14.5	12.4
10°	789.8	658.2	507.7	374.1	262.3	206.2	126.8	41.4	24.4	16.1	12.8
7.5°	900.0	754.9	576.4	420.5	290.7	238.4	156.7	49.9	28.1	17.8	13.1
5°	999.7	841.1	644.3	477.3	335.9	278.0	188.2	58.3	31.9	19.6	13.5
2.5°	1063.0	908.1	707.9	531.8	380.1	316.0	218.4	66.5	35.5	21.3	13.8
0°	1119.6	967.5	765.9	581.9	422.7	352.0	245.9	74.3	38.9	23.0	14.1
-2.5°	1155.5	1002.4	797.6	621.7	466.8	391.5	279.2	96.1	51.5	29.7	16.9
-5°	1185.5	1029.6	824.2	657.1	508.7	428.0	307.9	116.7	63.6	36.0	19.5
-7.5°	1196.5	1035.1	837.9	685.2	548.4	461.4	331.0	135.5	74.7	41.8	21.9
-10°	1196.6	1023.6	833.4	684.7	558.0	475.5	345.0	151.9	84.6	46.9	24.1
-12.5°	1188.2	1004.2	824.9	679.5	559.8	471.6	334.9	162.8	93.0	51.2	25.9
-15°	1170.5	977.0	812.8	669.6	558.6	465.3	322.3	169.9	99.5	54.8	27.3
-17.5°	1134.5	942.0	797.3	654.9	554.4	456.6	308.0	174.7	104.3	57.7	28.8
-20°	1050.0	891.6	778.3	635.3	546.9	445.7	292.5	176.9	107.2	59.5	30.3



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	961.0	833.5	730.2	622.6	534.4	432.7	276.2	176.5	108.2	59.8	31.2
-25°	869.6	774.2	678.0	593.1	516.5	408.3	266.7	173.3	107.1	58.8	31.6
-27.5°	796.0	714.9	627.8	563.6	487.1	384.7	261.7	171.5	104.5	56.3	31.3
-30°	729.8	659.9	591.3	533.1	457.3	351.2	253.3	167.0	101.5	54.7	30.4
-32.5°	678.1	609.0	559.0	499.1	420.5	317.2	235.0	159.6	96.4	53.5	29.7
-35°	636.7	574.6	527.2	465.3	380.8	290.3	212.6	149.0	89.1	51.4	28.7
-37.5°	596.2	548.4	490.7	427.3	341.4	261.2	191.8	132.7	79.7	48.4	27.0
-40°	567.5	517.9	458.0	384.7	305.7	229.8	169.4	116.8	73.4	44.4	24.7
-42.5°	537.3	481.0	416.5	342.9	269.1	203.4	146.1	100.1	66.5	40.7	21.7
-45°	496.3	438.9	371.0	301.5	231.7	175.5	126.8	83.9	58.7	36.5	19.2
-47.5°	451.2	389.0	325.3	259.3	199.8	148.1	106.7	74.5	50.4	31.5	17.9
-50°	397.6	339.4	279.8	222.1	167.5	125.4	88.3	64.6	43.4	25.4	16.2
-52.5°	348.5	290.9	237.3	185.5	140.6	101.9	76.6	54.2	35.8	21.6	14.2
-55°	298.5	244.7	196.1	152.2	113.4	86.0	64.2	44.9	27.6	18.7	12.2
-57.5°	248.5	199.2	157.6	119.6	92.5	71.6	52.2	34.9	22.7	15.5	11.9
-60°	197.3	156.5	119.1	95.8	76.0	57.2	40.2	26.2	18.6	12.7	11.5
-62.5°	148.8	115.8	95.5	77.0	59.2	42.7	28.7	21.0	14.2	12.2	11.1
-65°	111.7	92.1	74.4	57.5	41.8	29.6	22.3	15.5	12.9	11.8	10.8
-67.5°	83.2	66.8	51.5	37.1	29.0	22.3	15.6	13.3	12.3	11.3	10.7
-70°	53.5	40.1	32.6	27.0	21.0	15.8	13.9	12.7	11.7	11.1	10.7
-72.5°	32.6	28.1	23.4	18.7	16.4	14.5	13.1	12.1	11.4	10.9	10.6
-75°	22.2	19.9	17.9	16.0	14.3	13.0	12.2	11.5	10.9	10.6	10.2
-77.5°	17.7	16.1	14.6	13.5	12.6	11.8	11.2	10.8	10.4	10.1	9.7
-80°	13.9	13.0	12.3	11.6	11.0	10.6	10.3	10.0	9.7	9.5	9.2
-82.5°	10.7	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.8	8.6
-85°	8.6	8.7	8.9	9.1	8.9	8.8	8.7	8.5	8.4	8.3	8.1
-87.5°	7.4	7.6	7.9	8.1	8.0	7.9	7.9	7.8	7.8	7.7	7.6
-90°	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.2	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.6	7.2	7.1	7.1	7.1	7.1	7.1
75°	8.0	7.6	7.2	7.1	7.1	7.1	7.1
72.5°	8.4	7.9	7.4	7.1	7.1	7.1	7.1
70°	8.8	8.3	7.7	7.1	7.1	7.1	7.1
67.5°	8.8	8.6	8.0	7.3	7.1	7.1	7.1
65°	8.8	8.8	8.3	7.6	7.1	7.1	7.1
62.5°	8.8	8.8	8.5	7.7	7.1	7.1	7.1
60°	8.8	8.8	8.8	7.9	7.1	7.1	7.1
57.5°	8.8	8.8	8.8	8.1	7.2	7.1	7.1
55°	8.8	8.8	8.8	8.3	7.3	7.1	7.1
52.5°	8.8	8.8	8.8	8.5	7.5	7.1	7.1
50°	8.8	8.8	8.8	8.7	7.6	7.1	7.1
47.5°	8.8	8.8	8.8	8.8	7.7	7.1	7.1
45°	8.8	8.8	8.8	8.8	7.8	7.1	7.1
42.5°	8.8	8.8	8.8	8.8	7.9	7.1	7.1
40°	8.8	8.8	8.8	8.8	8.0	7.1	7.1
37.5°	8.8	8.8	8.8	8.8	8.1	7.1	7.1
35°	8.8	8.8	8.8	8.8	8.2	7.1	7.1
32.5°	8.9	8.8	8.8	8.8	8.3	7.1	7.1
30°	9.0	8.8	8.8	8.8	8.3	7.1	7.1
27.5°	9.2	8.8	8.8	8.8	8.4	7.1	7.1
25°	9.5	8.8	8.8	8.8	8.5	7.1	7.1
22.5°	9.7	8.8	8.8	8.8	8.5	7.1	7.1
20°	9.9	9.0	8.8	8.8	8.6	7.1	7.1
17.5°	10.1	9.1	8.8	8.8	8.6	7.1	7.1
15°	10.3	9.3	8.8	8.8	8.7	7.1	7.1
12.5°	10.4	9.5	8.8	8.8	8.7	7.1	7.1
10°	10.5	9.7	8.8	8.8	8.7	7.1	7.1
7.5°	10.6	10.0	8.8	8.8	8.8	7.1	7.1
5°	10.6	10.2	8.8	8.8	8.8	7.1	7.1
2.5°	10.6	10.4	8.8	8.8	8.8	7.1	7.1
0°	10.6	10.6	8.8	8.8	8.8	7.1	7.1
-2.5°	11.5	10.6	8.8	8.8	8.8	7.1	7.1
-5°	12.5	10.6	8.8	8.8	8.8	7.1	7.1
-7.5°	13.3	10.5	8.8	8.8	8.8	7.1	7.1
-10°	14.0	10.5	8.8	8.8	8.7	7.1	7.1
-12.5°	14.6	10.4	8.8	8.8	8.7	7.1	7.1
-15°	15.1	10.3	8.8	8.8	8.7	7.1	7.1
-17.5°	15.3	10.2	8.8	8.8	8.6	7.1	7.1
-20°	15.6	10.0	8.8	8.8	8.6	7.1	7.1



REPORT NUMBER: P731559 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.3	9.9	8.8	8.8	8.5	7.1	7.1
-25°	16.5	10.0	8.8	8.8	8.5	7.1	7.1
-27.5°	16.5	10.2	8.8	8.8	8.4	7.1	7.1
-30°	16.0	10.2	8.8	8.8	8.3	7.1	7.1
-32.5°	15.1	10.1	8.9	8.8	8.3	7.1	7.1
-35°	14.7	9.9	9.0	8.8	8.2	7.1	7.1
-37.5°	14.4	9.7	9.0	8.8	8.1	7.1	7.1
-40°	14.0	9.8	9.1	8.8	8.0	7.1	7.1
-42.5°	13.3	9.9	9.1	8.8	7.9	7.1	7.1
-45°	12.4	9.9	9.2	8.9	7.8	7.1	7.1
-47.5°	11.2	9.9	9.2	8.9	7.7	7.1	7.1
-50°	11.0	9.8	9.3	8.8	7.6	7.1	7.1
-52.5°	10.8	9.7	9.3	8.7	7.5	7.1	7.1
-55°	10.7	9.8	9.4	8.5	7.3	7.1	7.1
-57.5°	10.5	9.8	9.4	8.4	7.2	7.1	7.1
-60°	10.3	9.9	9.4	8.2	7.1	7.1	7.1
-62.5°	10.3	9.9	9.2	8.0	7.1	7.1	7.1
-65°	10.4	9.9	9.0	7.9	7.1	7.1	7.1
-67.5°	10.4	9.8	8.7	7.7	7.1	7.1	7.1
-70°	10.4	9.5	8.5	7.5	7.1	7.1	7.1
-72.5°	10.1	9.2	8.2	7.4	7.1	7.1	7.1
-75°	9.7	8.8	7.9	7.4	7.1	7.1	7.1
-77.5°	9.3	8.5	7.8	7.4	7.1	7.1	7.1
-80°	8.8	8.2	7.7	7.3	7.1	7.1	7.1
-82.5°	8.4	7.9	7.5	7.3	7.1	7.1	7.1
-85°	8.0	7.6	7.4	7.2	7.1	7.1	7.1
-87.5°	7.5	7.4	7.2	7.2	7.1	7.1	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



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

Scaled Data Report

