

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: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-5S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320N-57-70-5S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

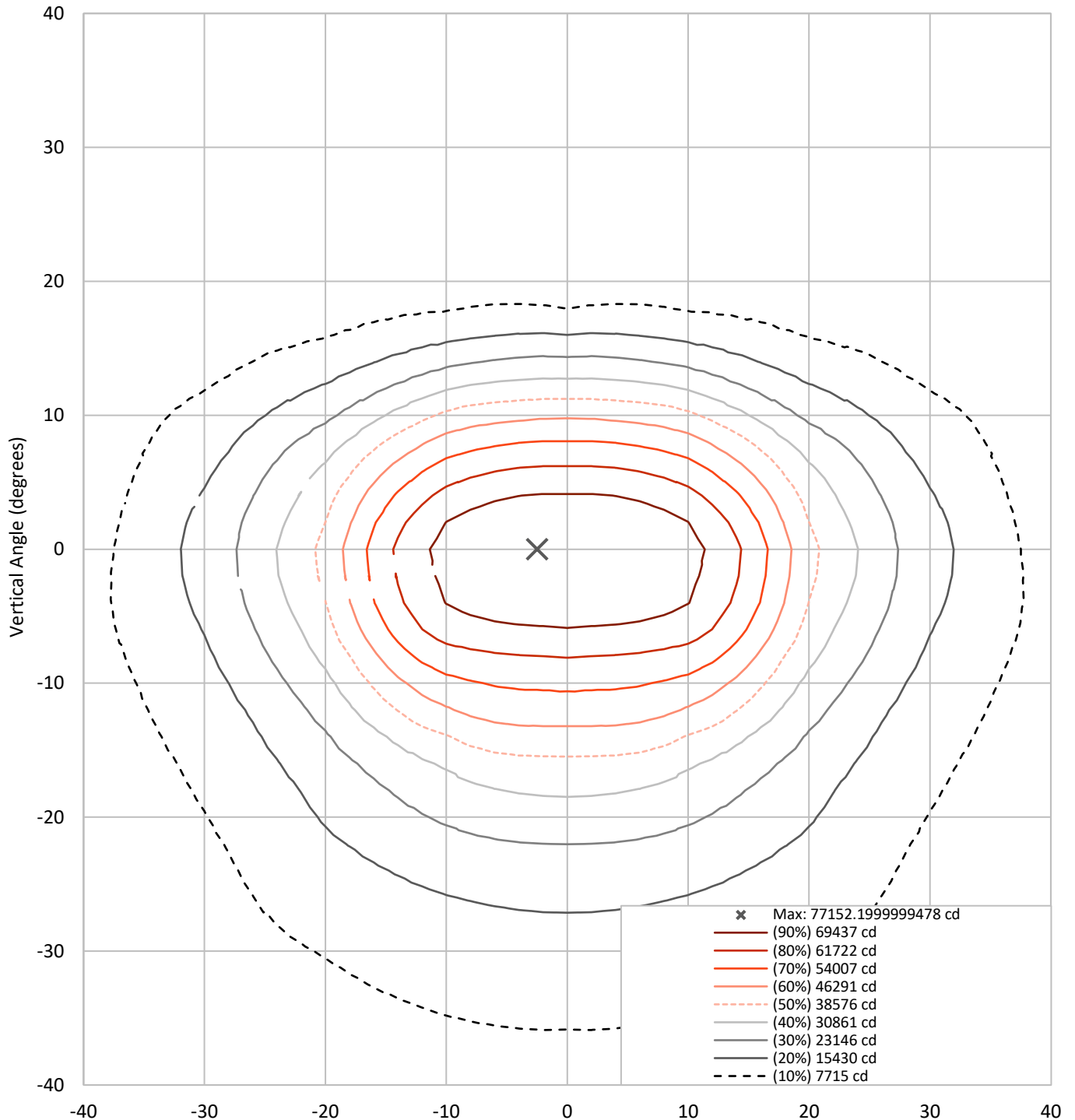
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	30572.1 lumens	Max Intensity:	77152.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	88.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	15152.2 lumens	Field Lumens:	27405.5 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 345.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

### Iso-Candela Plot





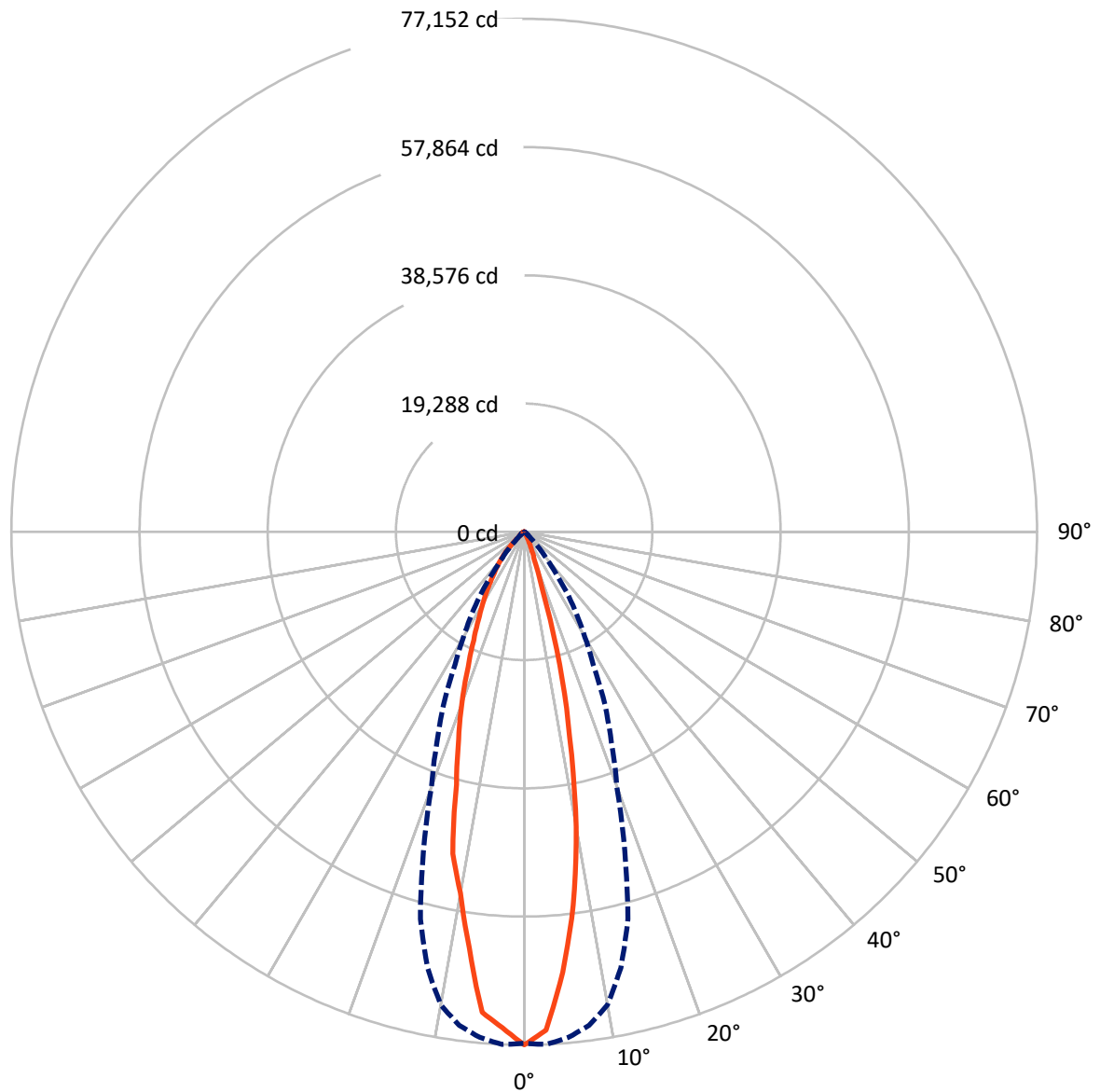
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### Lumen Table

90																			
80	0.1	0.3		0.5		0.5		0.3		0.5		0.5		0.3		0.1			
70																			
60	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
50		0.1	0.2	0.4	0.5	0.2	0.2	0.1	0.1	0.2	0.2	0.5	0.4	0.2	0.1				
40	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.1			
30		0.1	0.3	0.5	1.1	2.6	4.0	5.4	5.4	4.0	2.6	1.1	0.5	0.3	0.1				
20	0.2	0.2	0.8	2.2	9.9	22.5	42.3	60.0	60.0	42.3	22.5	9.9	2.2	0.8	0.2	0.2			
10		0.5	3.0	13.4	77.7	206.4	424.0	627.7	627.7	424.0	206.4	77.7	13.4	3.0	0.5				
0	0.2	1.0	6.5	40.2	227.3	647.6	1391.8	1917.2	1917.2	1391.8	647.6	227.3	40.2	6.5	1.0	0.2			
-10		1.3	7.9	49.8	259.6	708.4	1555.9	2067.0	2067.0	1555.9	708.4	259.6	49.8	7.9	1.3				
-20	0.2	1.4	7.1	31.9	165.0	425.6	862.5	1200.9	1200.9	862.5	425.6	165.0	31.9	7.1	1.4	0.2			
-30		1.3	5.9	14.8	86.8	243.2	425.0	550.1	550.1	425.0	243.2	86.8	14.8	5.9	1.3				
-40	0.2	1.0	4.4	9.7	29.0	110.7	197.5	251.7	251.7	197.5	110.7	29.0	9.7	4.4	1.0	0.2			
-50		0.6	2.8	7.2	13.1	23.8	52.2	76.7	76.7	52.2	23.8	13.1	7.2	2.8	0.6				
-60	0.1	0.3	1.4	3.8	7.7	12.2	15.7	17.6	17.6	15.7	12.2	7.7	3.8	1.4	0.3	0.1			
-70		0.1	0.5	1.4	2.7	4.6	6.5	7.6	7.6	6.5	4.6	2.7	1.4	0.5	0.1				
-80	0.1	0.4		1.4		3.7		4.9		3.7		1.4		0.4		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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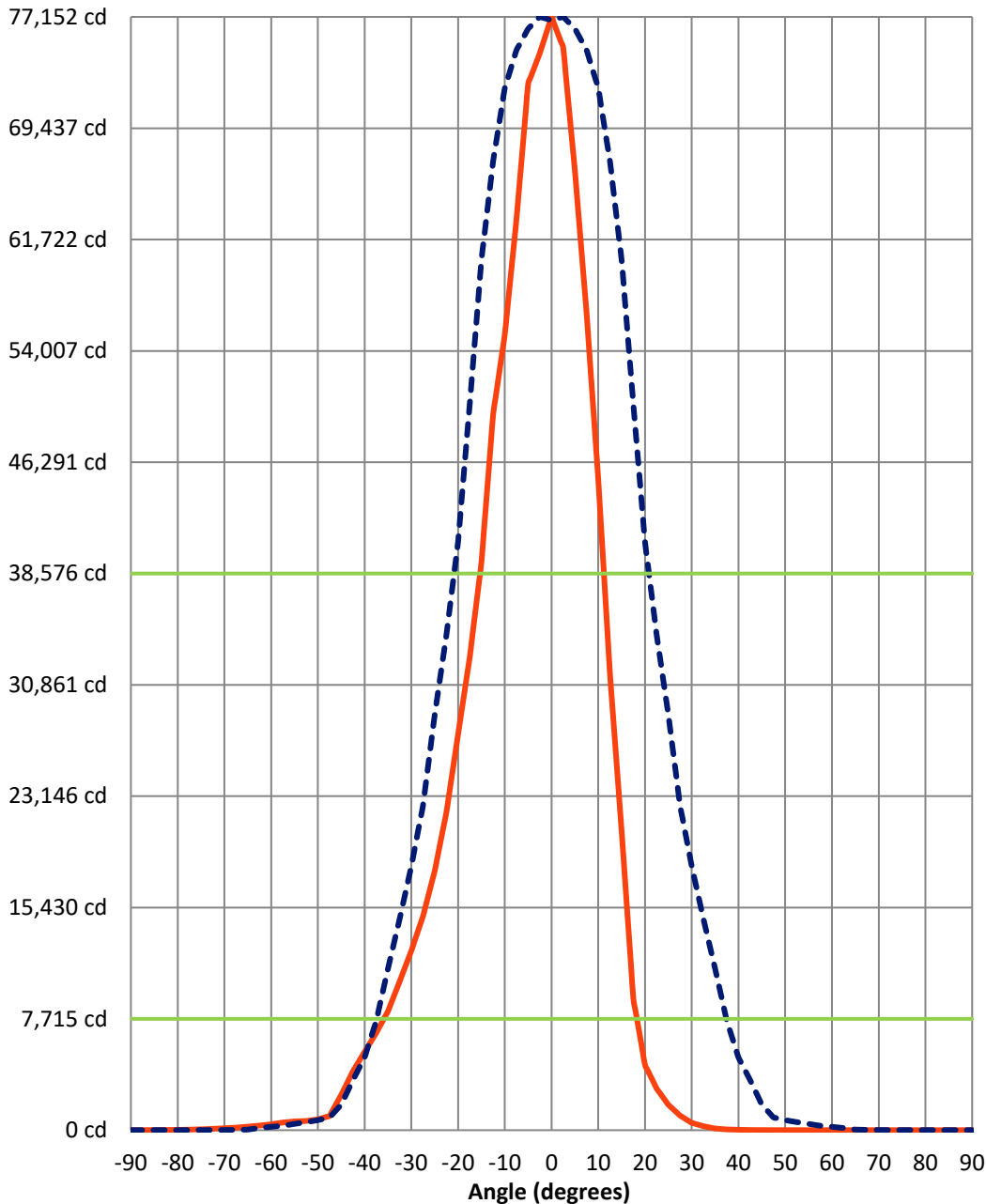
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 15152.2  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 27405.5  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 3166.5  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.0	4.9	4.8	4.7
85°	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.2	5.1	4.9	4.7
82.5°	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.5	5.3	5.1	5.0
80°	4.7	4.8	5.1	5.3	5.5	5.7	5.9	5.7	5.5	5.5	5.5
77.5°	4.7	4.8	5.2	5.5	5.7	5.9	5.9	5.8	5.7	5.8	5.9
75°	4.7	4.8	5.3	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	4.7	4.9	5.4	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9
70°	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	4.7	4.9	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
62.5°	4.7	4.9	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
60°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
57.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
55°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
52.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
50°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	6.0	5.9	5.9	6.2
47.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	6.0	5.9	5.9	6.6
45°	4.7	5.0	5.7	5.9	5.9	5.9	6.0	6.1	6.0	6.2	7.0
42.5°	4.7	5.0	5.7	5.9	5.9	5.9	6.1	6.3	6.2	6.5	7.4
40°	4.7	5.0	5.7	5.9	5.9	5.9	6.2	6.4	6.4	6.8	7.8
37.5°	4.7	5.0	5.7	5.9	5.9	5.9	6.4	6.6	6.8	7.3	8.1
35°	4.7	5.0	5.7	5.9	5.9	6.0	6.5	6.8	7.2	7.8	8.3
32.5°	4.7	5.0	5.7	5.9	5.9	6.1	6.7	7.1	7.6	8.4	9.1
30°	4.7	5.0	5.7	5.9	5.9	6.2	6.9	7.3	8.0	9.0	9.9
27.5°	4.7	4.9	5.8	5.9	5.9	6.3	7.1	7.7	8.4	9.6	11.0
25°	4.7	4.9	5.8	5.9	5.9	6.5	7.3	8.0	8.9	10.3	12.1
22.5°	4.7	4.9	5.8	5.9	5.9	6.6	7.5	8.3	9.4	11.2	14.3
20°	4.7	4.9	5.8	5.9	5.9	6.7	7.7	8.6	9.9	12.2	16.6
17.5°	4.7	4.9	5.8	5.9	5.9	6.7	7.9	8.9	10.4	13.2	19.3
15°	4.7	4.9	5.8	5.9	5.9	6.8	7.9	9.1	10.9	14.2	22.0
12.5°	4.7	4.8	5.9	5.9	5.9	6.9	8.0	9.2	11.3	15.3	24.9
10°	4.7	4.8	5.9	5.9	5.9	6.9	8.1	9.3	11.7	16.6	28.1
7.5°	4.7	4.8	5.9	5.9	5.9	7.0	8.1	9.3	12.0	18.1	31.8
5°	4.7	4.8	5.9	5.9	5.9	7.0	8.2	9.4	12.4	19.5	35.5
2.5°	4.7	4.7	5.9	5.9	5.9	7.0	8.2	9.4	12.7	20.9	38.9
0°	4.7	4.7	5.9	5.9	5.9	7.0	8.2	9.4	12.7	20.9	38.9
-2.5°	4.7	4.7	5.9	5.9	6.0	7.1	8.4	10.5	16.0	27.9	51.4
-5°	4.7	4.8	5.9	5.9	6.1	7.2	8.5	11.5	19.0	33.3	60.1
-7.5°	4.7	4.8	5.9	5.9	6.2	7.3	8.6	12.5	21.8	38.3	68.0
-10°	4.7	4.8	5.9	5.9	6.3	7.4	8.7	13.3	24.2	42.7	74.9
-12.5°	4.7	4.8	5.9	5.9	6.3	7.5	8.8	13.9	26.1	46.5	80.2
-15°	4.7	4.9	5.8	5.9	6.4	7.6	8.9	14.3	27.8	49.6	84.1
-17.5°	4.7	4.9	5.8	5.9	6.4	7.6	9.0	15.0	29.1	51.9	86.7
-20°	4.7	4.9	5.8	5.9	6.5	7.7	9.2	15.8	30.0	53.3	88.0



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.9	5.8	5.9	6.5	7.7	9.8	16.3	30.3	53.6	87.7
-25°	4.7	4.9	5.8	5.9	6.5	7.7	10.1	16.6	29.9	52.9	86.0
-27.5°	4.7	4.9	5.8	5.9	6.5	7.7	10.3	16.6	28.9	51.5	84.9
-30°	4.7	5.0	5.7	5.9	6.4	7.7	10.2	16.2	28.2	50.2	82.4
-32.5°	4.7	5.0	5.7	5.9	6.4	7.6	9.9	16.1	27.8	48.0	78.4
-35°	4.7	5.0	5.7	5.9	6.3	7.4	9.7	15.8	26.9	44.9	72.8
-37.5°	4.7	5.0	5.7	5.9	6.2	7.3	9.5	15.1	25.5	40.8	65.3
-40°	4.7	5.0	5.7	5.9	6.1	7.2	9.2	14.1	23.8	38.0	58.2
-42.5°	4.7	5.0	5.7	5.9	6.1	7.1	8.8	12.7	22.0	34.6	50.5
-45°	4.7	5.0	5.7	5.9	6.1	6.9	8.4	11.4	19.9	30.6	42.9
-47.5°	4.7	5.0	5.7	6.0	6.2	6.8	7.8	10.7	17.3	26.3	38.0
-50°	4.7	5.0	5.7	6.0	6.2	6.6	7.6	10.0	14.0	22.5	32.7
-52.5°	4.7	5.0	5.7	6.0	6.2	6.5	7.4	9.0	12.1	18.5	27.1
-55°	4.7	5.0	5.7	6.0	6.3	6.5	7.2	8.1	10.9	14.3	22.3
-57.5°	4.7	5.0	5.7	6.0	6.3	6.5	7.0	7.9	9.6	12.2	17.2
-60°	4.7	5.0	5.7	6.0	6.3	6.5	6.8	7.6	8.4	10.7	13.1
-62.5°	4.7	4.9	5.7	6.0	6.3	6.6	6.8	7.3	8.1	9.2	11.4
-65°	4.7	4.9	5.6	6.0	6.2	6.6	6.9	7.1	7.8	8.5	9.7
-67.5°	4.7	4.9	5.5	5.9	6.1	6.6	6.9	7.1	7.4	8.2	8.9
-70°	4.7	4.9	5.5	5.9	6.1	6.4	6.9	7.1	7.3	7.8	8.4
-72.5°	4.7	4.9	5.4	5.8	6.0	6.3	6.7	7.0	7.2	7.5	8.0
-75°	4.7	4.8	5.3	5.6	5.9	6.1	6.5	6.8	7.0	7.2	7.6
-77.5°	4.7	4.8	5.2	5.5	5.7	6.0	6.2	6.4	6.7	6.9	7.1
-80°	4.7	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7
-82.5°	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.2
-85°	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7





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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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	5.1	5.0	4.9	4.7	4.7	4.7	4.7	4.8	4.9	4.9	4.8
80°	5.5	5.3	5.2	5.1	5.2	5.4	5.5	5.7	5.6	5.4	5.1
77.5°	5.7	5.6	5.6	5.7	5.9	5.9	5.9	5.9	5.7	5.4	5.1
75°	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.1	6.2	6.1	6.0
72.5°	5.9	5.9	5.9	5.9	5.9	6.1	6.4	6.8	7.0	7.0	6.9
70°	5.9	5.9	5.9	5.9	6.0	6.3	6.9	7.5	7.9	8.1	8.5
67.5°	5.9	5.9	5.9	6.0	6.4	7.0	7.6	8.8	10.1	10.7	11.5
65°	5.9	5.9	6.0	6.4	6.9	7.8	9.0	10.6	13.7	15.4	16.1
62.5°	5.9	6.0	6.3	6.8	7.5	8.6	10.9	14.3	18.7	21.3	21.0
60°	5.9	6.0	6.6	7.4	8.2	10.0	13.3	17.9	23.8	28.1	25.3
57.5°	5.9	6.3	7.1	8.1	9.4	11.0	15.2	20.9	26.8	33.2	28.3
55°	6.1	6.7	7.7	9.2	10.5	12.0	16.0	21.0	27.6	31.1	26.5
52.5°	6.5	7.2	8.7	10.1	11.4	12.4	14.2	19.0	22.6	25.2	22.6
50°	6.9	8.1	9.6	10.7	11.7	11.6	11.2	14.9	17.7	18.6	18.3
47.5°	7.5	8.9	10.0	11.0	11.2	11.0	9.9	11.6	13.6	14.5	13.8
45°	8.1	9.4	10.3	10.7	10.9	10.5	10.2	9.7	11.8	12.1	11.6
42.5°	8.7	9.7	10.4	10.5	11.0	11.3	11.2	10.8	11.1	11.4	11.3
40°	9.0	10.0	10.7	11.6	11.8	12.8	13.5	13.4	11.4	12.6	12.9
37.5°	9.2	10.3	11.6	13.9	13.6	15.3	16.6	18.2	16.6	15.6	17.5
35°	9.4	10.8	14.7	17.6	17.7	18.7	22.8	24.8	23.6	22.3	24.6
32.5°	9.8	11.4	18.8	21.8	23.5	25.2	30.9	32.0	33.1	33.7	35.5
30°	10.9	15.2	23.6	26.6	30.3	36.6	39.7	40.7	44.9	50.6	66.3
27.5°	13.0	20.1	28.1	32.9	38.7	49.4	53.4	54.0	61.1	76.1	113.6
25°	15.7	31.9	32.9	39.9	50.7	63.6	72.0	80.1	82.8	127.9	217.4
22.5°	22.1	46.9	52.3	47.5	63.6	80.2	98.0	120.7	155.0	207.0	339.9
20°	33.2	63.5	76.4	79.7	83.7	99.1	128.2	173.9	281.1	466.1	642.6
17.5°	46.0	82.5	103.4	120.4	139.4	145.6	164.5	237.4	440.1	835.5	1298.1
15°	60.2	103.6	132.6	165.8	201.1	228.1	267.7	381.5	708.4	1345.8	2140.1
12.5°	75.1	126.2	163.4	215.1	267.2	315.6	389.8	633.1	1183.1	2067.1	3272.1
10°	90.4	149.6	195.3	266.9	336.6	406.7	516.5	921.1	1744.4	2835.8	4303.3
7.5°	107.2	172.6	227.0	319.9	407.7	499.6	645.1	1230.9	2325.7	3545.9	5196.7
5°	123.6	194.2	255.1	362.5	465.8	580.2	761.9	1545.1	2902.5	4193.7	6006.6
2.5°	138.8	214.4	282.3	401.1	513.7	639.1	826.0	1674.6	3234.6	4671.7	6805.0
0°	152.1	232.9	307.8	436.5	558.2	694.0	882.4	1768.4	3463.0	5038.3	7583.7
-2.5°	157.9	240.0	320.5	447.3	556.4	685.3	882.7	1799.5	3658.8	5473.6	7977.0
-5°	161.5	245.0	330.6	454.3	551.9	672.3	874.2	1785.8	3690.9	5574.2	7821.7
-7.5°	163.0	247.9	337.8	455.8	540.7	646.6	835.1	1655.3	3341.0	5112.6	7093.2
-10°	162.6	247.1	334.9	441.6	520.1	612.4	782.8	1483.4	2936.0	4591.6	6318.8
-12.5°	159.6	243.1	328.3	426.0	500.1	576.4	722.8	1271.9	2492.0	4026.9	5577.7
-15°	155.4	237.6	319.6	409.7	481.5	539.4	655.1	1022.0	2029.3	3520.3	4982.5
-17.5°	150.2	230.5	308.8	393.4	465.2	502.1	582.8	772.0	1615.5	2977.6	4383.2
-20°	144.3	222.2	296.1	377.6	450.2	477.6	544.5	696.1	1277.4	2372.9	3732.7



REPORT NUMBER: P731420 (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°	137.8	212.6	282.7	361.2	428.5	464.9	510.8	615.7	910.9	1710.9	3030.2
-25°	133.8	202.4	269.7	339.5	406.8	452.7	476.3	538.5	688.7	1291.0	2289.1
-27.5°	131.2	192.4	252.1	316.1	385.4	437.6	457.1	499.9	605.3	855.4	1592.4
-30°	126.6	176.9	233.1	292.3	359.3	413.6	444.9	470.0	533.6	670.6	1092.2
-32.5°	117.2	160.5	214.0	269.9	330.4	390.7	435.6	459.9	501.1	571.9	713.5
-35°	106.0	146.9	194.4	246.1	300.6	362.6	415.4	455.4	474.9	523.7	614.4
-37.5°	95.7	132.4	173.9	222.3	273.4	330.5	392.2	437.3	469.6	492.0	556.8
-40°	84.4	116.9	155.9	199.2	246.0	298.3	355.6	411.4	454.4	491.6	520.5
-42.5°	72.5	103.3	138.1	175.3	219.4	266.7	317.3	373.0	428.3	478.7	517.6
-45°	63.5	88.7	119.9	154.5	192.1	234.7	281.2	329.9	387.6	445.5	496.0
-47.5°	53.9	74.5	102.6	132.4	166.1	203.5	244.3	290.0	338.8	394.8	454.0
-50°	44.8	63.3	84.0	111.4	140.6	173.1	209.1	249.2	293.0	339.5	390.9
-52.5°	38.3	51.6	69.6	90.4	116.2	144.0	175.4	209.9	247.8	287.4	329.1
-55°	31.3	42.7	55.7	72.8	92.7	116.8	143.1	173.2	203.6	238.8	270.7
-57.5°	25.0	34.3	44.6	57.0	73.1	90.7	113.8	137.8	165.0	192.6	216.1
-60°	19.1	26.6	35.3	44.7	55.2	70.3	85.8	105.8	127.8	148.9	169.1
-62.5°	13.6	19.8	26.9	34.5	43.1	51.8	64.5	78.6	92.6	110.3	126.7
-65°	11.7	14.0	19.2	25.6	32.1	40.4	48.4	56.0	67.8	79.3	90.0
-67.5°	9.7	11.6	13.8	17.1	23.0	29.7	36.4	43.5	50.3	56.2	62.8
-70°	9.0	9.3	10.8	12.9	15.5	19.6	25.6	31.6	37.4	43.0	48.3
-72.5°	8.4	8.8	9.1	9.4	11.4	14.3	17.3	20.6	24.7	29.2	33.9
-75°	7.9	8.2	8.4	8.7	9.4	10.4	11.9	14.5	17.1	19.4	21.5
-77.5°	7.4	7.6	7.8	8.0	8.5	9.2	10.0	11.1	12.3	13.7	15.1
-80°	6.8	7.0	7.2	7.3	7.6	8.0	8.4	8.9	9.7	10.7	11.8
-82.5°	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.3	7.6	8.0	8.5
-85°	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.4	6.4	6.5	6.5
-87.5°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P731420 (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°	4.7	5.0	5.3	5.6	5.9	6.8	7.6	8.5	9.4	9.1	8.8
87.5°	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8
85°	4.7	4.6	4.5	4.5	4.5	4.2	4.0	3.7	3.4	2.9	2.3
82.5°	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	2.9	2.4
80°	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.0	2.4
77.5°	4.9	4.9	4.9	4.9	4.7	4.5	4.2	3.8	3.5	3.0	2.4
75°	5.9	5.7	5.5	5.2	4.8	4.5	4.2	3.9	3.6	3.2	2.9
72.5°	6.8	6.6	6.2	6.0	5.7	5.5	5.3	4.9	4.5	4.3	4.0
70°	9.0	9.2	9.0	8.5	7.8	7.2	6.7	6.3	5.8	5.3	4.8
67.5°	12.1	12.2	11.5	10.6	9.3	8.0	7.4	6.8	6.2	5.8	5.8
65°	15.9	14.5	13.1	11.5	9.8	8.1	7.5	6.9	6.2	5.9	5.9
62.5°	19.4	15.7	12.6	10.7	9.3	8.1	7.2	6.4	5.6	5.0	4.9
60°	20.9	14.9	10.7	9.3	8.1	7.1	6.3	5.6	5.1	4.6	4.4
57.5°	20.9	14.2	9.0	7.8	6.9	6.1	5.7	5.4	5.0	4.7	4.3
55°	19.1	12.6	7.4	6.7	6.4	6.1	5.8	5.4	5.1	4.7	4.4
52.5°	15.5	11.1	7.9	6.8	6.5	6.2	5.9	5.5	5.1	4.8	4.4
50°	13.5	10.1	8.0	6.9	6.6	6.3	5.9	5.8	5.8	5.6	5.3
47.5°	11.7	9.3	8.0	7.1	6.9	7.4	7.8	7.9	7.7	7.5	7.2
45°	10.2	9.0	8.3	8.7	9.1	9.8	10.2	10.2	10.2	10.3	10.2
42.5°	10.2	10.3	10.9	12.1	12.0	13.5	14.3	12.6	14.4	15.4	14.5
40°	13.5	13.8	17.0	19.7	22.1	22.5	26.3	26.8	27.3	28.9	29.3
37.5°	19.7	23.1	33.1	40.7	43.8	44.1	49.6	50.7	49.1	55.9	57.9
35°	30.2	45.8	62.0	71.3	76.6	80.5	88.0	96.7	92.6	107.5	112.7
32.5°	54.2	82.8	112.2	111.1	121.0	147.7	157.7	173.4	189.7	214.8	242.3
30°	91.2	168.3	202.4	190.0	218.1	256.2	256.4	300.2	361.2	413.0	491.1
27.5°	205.4	291.7	336.3	356.2	377.5	425.7	485.3	541.0	696.2	802.3	913.8
25°	348.6	467.9	515.6	589.7	656.9	701.5	881.8	1013.4	1236.5	1398.4	1566.0
22.5°	562.1	719.8	818.7	885.6	1112.1	1313.4	1506.0	1792.6	2014.2	2292.0	2501.3
20°	829.4	1042.5	1405.3	1690.0	1832.2	2259.9	2608.3	2904.5	3297.4	3641.9	3948.3
17.5°	1565.0	1684.7	2442.8	3184.6	3484.5	4037.5	5039.2	5417.1	6548.5	7376.9	7824.3
15°	2833.8	3412.6	4211.1	5447.8	6819.8	7903.6	8853.1	10797.6	12956.3	14869.8	16884.6
12.5°	4481.0	5613.1	6956.8	8469.7	10941.6	12903.2	15004.2	17783.1	21270.3	24305.3	27875.7
10°	6131.2	8044.1	9901.5	12259.0	15381.4	18410.0	21436.1	25837.5	30959.9	35877.9	40130.1
7.5°	7495.7	10088.9	12606.1	15865.2	20118.2	24337.8	28567.4	34388.7	41163.4	46776.3	51601.6
5°	8884.4	12131.9	15084.7	18843.5	23849.0	28988.3	34281.3	41539.9	49541.9	55897.7	60876.3
2.5°	10159.6	13839.5	17257.2	21448.4	27022.6	32050.9	38075.9	46986.9	56521.9	63378.4	68866.9
0°	11189.5	14638.5	18289.9	22507.8	28766.7	34309.4	40766.1	50321.8	60298.9	67149.4	72214.0
-2.5°	10967.8	14456.4	17870.3	22155.7	28439.3	33542.0	40078.6	49480.5	59337.8	66297.9	70846.7
-5°	10275.7	13363.4	16428.6	20453.3	25978.9	30951.2	37352.6	47016.8	56472.2	63569.6	68803.7
-7.5°	9252.3	11873.9	14654.2	18321.5	23131.3	27887.7	33455.5	41157.5	49982.5	56402.5	60196.3
-10°	8174.9	10345.5	12949.2	16048.4	20018.0	24290.2	28914.0	35083.9	42624.7	48254.8	51853.9
-12.5°	7230.5	9111.1	11433.9	13726.0	16964.7	20769.7	24875.6	29924.5	34900.3	40837.3	43948.9
-15°	6360.5	7928.1	9924.0	12121.8	14813.1	17803.6	20745.6	24525.9	27766.2	31474.7	34169.1
-17.5°	5632.7	6884.5	8653.0	10783.0	12809.5	15384.6	18192.1	20752.9	23492.4	26169.4	28403.8
-20°	4974.9	6007.8	7515.7	9391.0	11387.6	13577.4	16054.8	18139.2	20377.8	22412.1	24159.6



REPORT NUMBER: P731420 (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°	4227.3	5274.7	6442.5	8047.0	10046.6	12009.8	13844.4	15419.6	17111.2	18755.0	19995.9
-25°	3449.3	4454.6	5572.6	7086.9	8724.9	10376.8	11676.0	12785.1	14105.5	15290.0	16354.9
-27.5°	2644.9	3716.6	4922.6	6187.3	7612.1	8661.8	9755.2	10758.2	11761.7	12558.7	13458.0
-30°	1838.7	3008.2	4194.3	5391.3	6367.2	7205.2	8020.6	8940.5	9848.4	10606.0	11240.7
-32.5°	1262.7	2106.3	3303.1	4416.3	5250.5	5962.6	6592.5	7376.8	8080.4	8703.9	9259.3
-35°	758.4	1352.7	2174.5	3232.4	4145.2	4838.0	5479.5	6074.3	6599.5	7124.6	7542.4
-37.5°	649.7	781.3	1279.8	1983.3	2851.9	3690.4	4349.5	4906.2	5395.6	5799.9	6154.4
-40°	585.1	662.9	771.9	1011.9	1651.5	2291.9	3011.2	3645.8	4161.9	4541.7	4850.2
-42.5°	546.9	596.8	650.1	735.6	830.7	1134.7	1685.1	2210.8	2664.4	3085.1	3446.3
-45°	540.4	561.5	590.2	638.4	682.3	761.1	847.1	931.2	1288.0	1626.1	1903.6
-47.5°	499.9	543.0	569.3	590.9	613.9	651.1	687.5	726.4	791.3	852.2	904.5
-50°	440.8	487.2	527.0	565.9	586.3	601.4	616.3	635.7	661.0	684.2	705.5
-52.5°	368.3	413.0	457.6	499.0	531.4	561.2	588.0	600.5	610.0	618.7	625.6
-55°	304.0	339.2	374.4	412.3	449.7	485.3	516.0	536.4	554.6	570.8	584.7
-57.5°	243.3	270.8	299.4	330.2	360.1	388.9	416.3	441.2	463.4	482.7	498.9
-60°	188.5	207.0	230.9	255.4	278.6	300.7	322.9	343.1	361.3	377.4	390.0
-62.5°	141.5	156.8	175.0	192.2	207.4	223.9	244.6	262.0	276.2	287.8	297.9
-65°	101.6	114.4	129.0	143.5	157.7	171.7	186.2	200.2	213.5	224.1	231.7
-67.5°	72.1	81.2	91.5	100.4	111.0	123.4	136.5	148.5	159.5	167.0	171.6
-70°	53.1	58.5	65.9	74.5	83.4	91.6	100.0	108.3	116.5	122.3	126.7
-72.5°	38.8	44.0	49.5	55.0	61.0	67.1	73.2	79.4	85.6	89.4	92.0
-75°	23.5	26.6	31.4	36.0	40.5	44.7	48.7	52.4	55.9	57.7	58.9
-77.5°	16.9	19.1	21.4	23.8	26.3	28.8	31.2	33.7	36.1	37.3	38.1
-80°	12.9	14.1	15.4	16.8	18.3	19.8	21.3	22.8	24.3	24.6	24.6
-82.5°	9.1	10.0	10.9	11.8	12.7	13.5	14.3	15.1	15.9	16.1	16.2
-85°	6.6	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	11.5	11.6
-87.5°	5.7	6.0	6.3	6.6	6.9	7.3	7.6	7.9	8.2	8.2	8.2
-90°	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.5	8.2	8.2	8.2	8.2	8.2	8.5	8.8	9.1	9.4	8.5
87.5°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.0	2.3	2.6
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.3	2.9	3.4	3.7
82.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.9	3.5	3.8
80°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
77.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
75°	2.6	2.3	1.8	1.2	1.8	2.3	2.6	2.9	3.2	3.6	3.9
72.5°	3.8	3.5	3.5	3.5	3.5	3.5	3.8	4.0	4.3	4.5	4.9
70°	4.2	3.6	3.5	3.5	3.5	3.6	4.2	4.8	5.3	5.8	6.3
67.5°	5.8	5.8	5.3	4.7	5.3	5.8	5.8	5.8	5.8	6.2	6.8
65°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2	6.9
62.5°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.9	5.0	5.6	6.4
60°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.4	4.6	5.1	5.6
57.5°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.3	4.7	5.0	5.4
55°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.4	4.7	5.1	5.4
52.5°	4.0	3.7	3.9	4.7	3.9	3.7	4.0	4.4	4.8	5.1	5.5
50°	5.1	4.8	4.7	4.7	4.7	4.8	5.1	5.3	5.6	5.8	5.8
47.5°	6.8	6.2	5.9	5.9	5.9	6.2	6.8	7.2	7.5	7.7	7.9
45°	9.6	8.7	8.1	8.2	8.1	8.7	9.6	10.2	10.3	10.2	10.2
42.5°	14.4	14.0	13.9	14.0	13.9	14.0	14.4	14.5	15.4	14.4	12.6
40°	30.9	31.3	31.1	31.6	31.1	31.3	30.9	29.3	28.9	27.3	26.8
37.5°	58.1	56.1	53.2	53.8	53.2	56.1	58.1	57.9	55.9	49.1	50.7
35°	113.3	116.2	116.0	117.0	116.0	116.2	113.3	112.7	107.5	92.6	96.7
32.5°	262.2	276.1	276.4	282.0	276.4	276.1	262.2	242.3	214.8	189.7	173.4
30°	515.1	526.2	509.6	517.3	509.6	526.2	515.1	491.1	413.0	361.2	300.2
27.5°	971.8	1012.7	1012.3	994.8	1012.3	1012.7	971.8	913.8	802.3	696.2	541.0
25°	1707.0	1770.3	1758.6	1737.9	1758.6	1770.3	1707.0	1566.0	1398.4	1236.5	1013.4
22.5°	2691.4	2795.9	2879.6	2825.2	2879.6	2795.9	2691.4	2501.3	2292.0	2014.2	1792.6
20°	4399.1	4428.9	4517.8	4485.9	4517.8	4428.9	4399.1	3948.3	3641.9	3297.4	2904.5
17.5°	9036.4	9360.6	9135.0	8448.6	9135.0	9360.6	9036.4	7824.3	7376.9	6548.5	5417.1
15°	18299.6	19658.4	20713.6	20134.3	20713.6	19658.4	18299.6	16884.6	14869.8	12956.3	10797.6
12.5°	29968.1	30970.7	31641.5	31690.8	31641.5	30970.7	29968.1	27875.7	24305.3	21270.3	17783.1
10°	43013.7	43899.6	45086.3	45253.1	45086.3	43899.6	43013.7	40130.1	35877.9	30959.9	25837.5
7.5°	53996.4	55792.8	56624.7	56512.9	56624.7	55792.8	53996.4	51601.6	46776.3	41163.4	34388.7
5°	63818.5	65679.7	66494.9	66630.4	66494.9	65679.7	63818.5	60876.3	55897.7	49541.9	41539.9
2.5°	72154.4	74033.4	75012.9	74744.3	75012.9	74033.4	72154.4	68866.9	63378.4	56521.9	46986.9
0°	74851.3	76331.2	77152.2	76926.9	77152.2	76331.2	74851.3	72214.0	67149.4	60298.9	50321.8
-2.5°	73136.9	74028.7	74647.3	74408.3	74647.3	74028.7	73136.9	70846.7	66297.9	59337.8	49480.5
-5°	71237.0	72295.1	72526.5	72809.7	72526.5	72295.1	71237.0	68803.7	63569.6	56472.2	47016.8
-7.5°	61639.4	62771.3	63145.1	63711.5	63145.1	62771.3	61639.4	60196.3	56402.5	49982.5	41157.5
-10°	53812.3	55081.9	55143.0	55492.3	55143.0	55081.9	53812.3	51853.9	48254.8	42624.7	35083.9
-12.5°	47256.2	49003.2	49582.8	49444.1	49582.8	49003.2	47256.2	43948.9	40837.3	34900.3	29924.5
-15°	37756.2	39248.6	39355.1	39424.9	39355.1	39248.6	37756.2	34169.1	31474.7	27766.2	24525.9
-17.5°	30774.7	32224.9	32784.0	32957.6	32784.0	32224.9	30774.7	28403.8	26169.4	23492.4	20752.9
-20°	25659.8	26739.4	27422.4	27705.2	27422.4	26739.4	25659.8	24159.6	22412.1	20377.8	18139.2



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	21080.6	21765.0	22014.6	22077.1	22014.6	21765.0	21080.6	19995.9	18755.0	17111.2	15419.6
-25°	17103.0	17646.6	17962.5	18094.5	17962.5	17646.6	17103.0	16354.9	15290.0	14105.5	12785.1
-27.5°	14041.3	14525.1	14829.3	14876.1	14829.3	14525.1	14041.3	13458.0	12558.7	11761.7	10758.2
-30°	11726.7	12151.5	12435.8	12513.2	12435.8	12151.5	11726.7	11240.7	10606.0	9848.4	8940.5
-32.5°	9716.7	10080.4	10303.4	10399.5	10303.4	10080.4	9716.7	9259.3	8703.9	8080.4	7376.8
-35°	7854.2	8098.6	8241.5	8194.6	8241.5	8098.6	7854.2	7542.4	7124.6	6599.5	6074.3
-37.5°	6438.7	6635.3	6742.4	6748.1	6742.4	6635.3	6438.7	6154.4	5799.9	5395.6	4906.2
-40°	5105.7	5305.5	5425.8	5432.7	5425.8	5305.5	5105.7	4850.2	4541.7	4161.9	3645.8
-42.5°	3733.5	3938.1	4077.7	4168.7	4077.7	3938.1	3733.5	3446.3	3085.1	2664.4	2210.8
-45°	2135.0	2311.7	2446.5	2544.3	2446.5	2311.7	2135.0	1903.6	1626.1	1288.0	931.2
-47.5°	943.6	972.2	984.7	980.7	984.7	972.2	943.6	904.5	852.2	791.3	726.4
-50°	724.9	741.9	750.4	750.2	750.4	741.9	724.9	705.5	684.2	661.0	635.7
-52.5°	631.0	635.2	637.8	639.0	637.8	635.2	631.0	625.6	618.7	610.0	600.5
-55°	596.0	605.0	608.4	607.4	608.4	605.0	596.0	584.7	570.8	554.6	536.4
-57.5°	512.7	523.7	531.0	534.8	531.0	523.7	512.7	498.9	482.7	463.4	441.2
-60°	399.4	406.0	410.1	412.0	410.1	406.0	399.4	390.0	377.4	361.3	343.1
-62.5°	306.8	314.3	318.0	319.5	318.0	314.3	306.8	297.9	287.8	276.2	262.0
-65°	238.2	243.7	246.7	248.1	246.7	243.7	238.2	231.7	224.1	213.5	200.2
-67.5°	175.0	177.5	178.7	179.1	178.7	177.5	175.0	171.6	167.0	159.5	148.5
-70°	130.7	134.3	136.6	138.1	136.6	134.3	130.7	126.7	122.3	116.5	108.3
-72.5°	94.2	96.1	97.4	98.3	97.4	96.1	94.2	92.0	89.4	85.6	79.4
-75°	59.8	60.4	60.8	60.9	60.8	60.4	59.8	58.9	57.7	55.9	52.4
-77.5°	38.8	39.5	40.3	41.0	40.3	39.5	38.8	38.1	37.3	36.1	33.7
-80°	24.6	24.5	24.6	24.6	24.6	24.5	24.6	24.6	24.6	24.3	22.8
-82.5°	16.3	16.3	16.4	16.4	16.4	16.3	16.3	16.2	16.1	15.9	15.1
-85°	11.6	11.7	11.7	11.7	11.7	11.6	11.6	11.6	11.5	11.4	10.8
-87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.0	2.3	2.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	6.8	5.9	5.6	5.3	5.0	4.7	4.7	4.7	4.7	4.7
87.5°	2.9	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7
85°	4.0	4.2	4.5	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.7
82.5°	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.8	4.9	4.9	4.8
80°	4.1	4.4	4.7	4.7	4.7	4.7	4.7	5.1	5.4	5.6	5.7
77.5°	4.2	4.5	4.7	4.9	4.9	4.9	4.9	5.1	5.4	5.7	5.9
75°	4.2	4.5	4.8	5.2	5.5	5.7	5.9	6.0	6.1	6.2	6.1
72.5°	5.3	5.5	5.7	6.0	6.2	6.6	6.8	6.9	7.0	7.0	6.8
70°	6.7	7.2	7.8	8.5	9.0	9.2	9.0	8.5	8.1	7.9	7.5
67.5°	7.4	8.0	9.3	10.6	11.5	12.2	12.1	11.5	10.7	10.1	8.8
65°	7.5	8.1	9.8	11.5	13.1	14.5	15.9	16.1	15.4	13.7	10.6
62.5°	7.2	8.1	9.3	10.7	12.6	15.7	19.4	21.0	21.3	18.7	14.3
60°	6.3	7.1	8.1	9.3	10.7	14.9	20.9	25.3	28.1	23.8	17.9
57.5°	5.7	6.1	6.9	7.8	9.0	14.2	20.9	28.3	33.2	26.8	20.9
55°	5.8	6.1	6.4	6.7	7.4	12.6	19.1	26.5	31.1	27.6	21.0
52.5°	5.9	6.2	6.5	6.8	7.9	11.1	15.5	22.6	25.2	22.6	19.0
50°	5.9	6.3	6.6	6.9	8.0	10.1	13.5	18.3	18.6	17.7	14.9
47.5°	7.8	7.4	6.9	7.1	8.0	9.3	11.7	13.8	14.5	13.6	11.6
45°	10.2	9.8	9.1	8.7	8.3	9.0	10.2	11.6	12.1	11.8	9.7
42.5°	14.3	13.5	12.0	12.1	10.9	10.3	10.2	11.3	11.4	11.1	10.8
40°	26.3	22.5	22.1	19.7	17.0	13.8	13.5	12.9	12.6	11.4	13.4
37.5°	49.6	44.1	43.8	40.7	33.1	23.1	19.7	17.5	15.6	16.6	18.2
35°	88.0	80.5	76.6	71.3	62.0	45.8	30.2	24.6	22.3	23.6	24.8
32.5°	157.7	147.7	121.0	111.1	112.2	82.8	54.2	35.5	33.7	33.1	32.0
30°	256.4	256.2	218.1	190.0	202.4	168.3	91.2	66.3	50.6	44.9	40.7
27.5°	485.3	425.7	377.5	356.2	336.3	291.7	205.4	113.6	76.1	61.1	54.0
25°	881.8	701.5	656.9	589.7	515.6	467.9	348.6	217.4	127.9	82.8	80.1
22.5°	1506.0	1313.4	1112.1	885.6	818.7	719.8	562.1	339.9	207.0	155.0	120.7
20°	2608.3	2259.9	1832.2	1690.0	1405.3	1042.5	829.4	642.6	466.1	281.1	173.9
17.5°	5039.2	4037.5	3484.5	3184.6	2442.8	1684.7	1565.0	1298.1	835.5	440.1	237.4
15°	8853.1	7903.6	6819.8	5447.8	4211.1	3412.6	2833.8	2140.1	1345.8	708.4	381.5
12.5°	15004.2	12903.2	10941.6	8469.7	6956.8	5613.1	4481.0	3272.1	2067.1	1183.1	633.1
10°	21436.1	18410.0	15381.4	12259.0	9901.5	8044.1	6131.2	4303.3	2835.8	1744.4	921.1
7.5°	28567.4	24337.8	20118.2	15865.2	12606.1	10088.9	7495.7	5196.7	3545.9	2325.7	1230.9
5°	34281.3	28988.3	23849.0	18843.5	15084.7	12131.9	8884.4	6006.6	4193.7	2902.5	1545.1
2.5°	38075.9	32050.9	27022.6	21448.4	17257.2	13839.5	10159.6	6805.0	4671.7	3234.6	1674.6
0°	40766.1	34309.4	28766.7	22507.8	18289.9	14638.5	11189.5	7583.7	5038.3	3463.0	1768.4
-2.5°	40078.6	33542.0	28439.3	22155.7	17870.3	14456.4	10967.8	7977.0	5473.6	3658.8	1799.5
-5°	37352.6	30951.2	25978.9	20453.3	16428.6	13363.4	10275.7	7821.7	5574.2	3690.9	1785.8
-7.5°	33455.5	27887.7	23131.3	18321.5	14654.2	11873.9	9252.3	7093.2	5112.6	3341.0	1655.3
-10°	28914.0	24290.2	20018.0	16048.4	12949.2	10345.5	8174.9	6318.8	4591.6	2936.0	1483.4
-12.5°	24875.6	20769.7	16964.7	13726.0	11433.9	9111.1	7230.5	5577.7	4026.9	2492.0	1271.9
-15°	20745.6	17803.6	14813.1	12121.8	9924.0	7928.1	6360.5	4982.5	3520.3	2029.3	1022.0
-17.5°	18192.1	15384.6	12809.5	10783.0	8653.0	6884.5	5632.7	4383.2	2977.6	1615.5	772.0
-20°	16054.8	13577.4	11387.6	9391.0	7515.7	6007.8	4974.9	3732.7	2372.9	1277.4	696.1



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13844.4	12009.8	10046.6	8047.0	6442.5	5274.7	4227.3	3030.2	1710.9	910.9	615.7
-25°	11676.0	10376.8	8724.9	7086.9	5572.6	4454.6	3449.3	2289.1	1291.0	688.7	538.5
-27.5°	9755.2	8661.8	7612.1	6187.3	4922.6	3716.6	2644.9	1592.4	855.4	605.3	499.9
-30°	8020.6	7205.2	6367.2	5391.3	4194.3	3008.2	1838.7	1092.2	670.6	533.6	470.0
-32.5°	6592.5	5962.6	5250.5	4416.3	3303.1	2106.3	1262.7	713.5	571.9	501.1	459.9
-35°	5479.5	4838.0	4145.2	3232.4	2174.5	1352.7	758.4	614.4	523.7	474.9	455.4
-37.5°	4349.5	3690.4	2851.9	1983.3	1279.8	781.3	649.7	556.8	492.0	469.6	437.3
-40°	3011.2	2291.9	1651.5	1011.9	771.9	662.9	585.1	520.5	491.6	454.4	411.4
-42.5°	1685.1	1134.7	830.7	735.6	650.1	596.8	546.9	517.6	478.7	428.3	373.0
-45°	847.1	761.1	682.3	638.4	590.2	561.5	540.4	496.0	445.5	387.6	329.9
-47.5°	687.5	651.1	613.9	590.9	569.3	543.0	499.9	454.0	394.8	338.8	290.0
-50°	616.3	601.4	586.3	565.9	527.0	487.2	440.8	390.9	339.5	293.0	249.2
-52.5°	588.0	561.2	531.4	499.0	457.6	413.0	368.3	329.1	287.4	247.8	209.9
-55°	516.0	485.3	449.7	412.3	374.4	339.2	304.0	270.7	238.8	203.6	173.2
-57.5°	416.3	388.9	360.1	330.2	299.4	270.8	243.3	216.1	192.6	165.0	137.8
-60°	322.9	300.7	278.6	255.4	230.9	207.0	188.5	169.1	148.9	127.8	105.8
-62.5°	244.6	223.9	207.4	192.2	175.0	156.8	141.5	126.7	110.3	92.6	78.6
-65°	186.2	171.7	157.7	143.5	129.0	114.4	101.6	90.0	79.3	67.8	56.0
-67.5°	136.5	123.4	111.0	100.4	91.5	81.2	72.1	62.8	56.2	50.3	43.5
-70°	100.0	91.6	83.4	74.5	65.9	58.5	53.1	48.3	43.0	37.4	31.6
-72.5°	73.2	67.1	61.0	55.0	49.5	44.0	38.8	33.9	29.2	24.7	20.6
-75°	48.7	44.7	40.5	36.0	31.4	26.6	23.5	21.5	19.4	17.1	14.5
-77.5°	31.2	28.8	26.3	23.8	21.4	19.1	16.9	15.1	13.7	12.3	11.1
-80°	21.3	19.8	18.3	16.8	15.4	14.1	12.9	11.8	10.7	9.7	8.9
-82.5°	14.3	13.5	12.7	11.8	10.9	10.0	9.1	8.5	8.0	7.6	7.3
-85°	10.2	9.6	8.9	8.3	7.7	7.1	6.6	6.5	6.5	6.4	6.4
-87.5°	7.6	7.3	6.9	6.6	6.3	6.0	5.7	5.7	5.6	5.6	5.5
-90°	2.9	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7





REPORT NUMBER: P731420 (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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.9	5.0
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9	5.1	5.2
82.5°	4.7	4.7	4.7	4.7	4.9	5.0	5.1	5.0	5.1	5.3	5.5
80°	5.5	5.4	5.2	5.1	5.2	5.3	5.5	5.5	5.5	5.5	5.7
77.5°	5.9	5.9	5.9	5.7	5.6	5.6	5.7	5.9	5.8	5.7	5.8
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.9	5.9	5.9	5.9
72.5°	6.4	6.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
70°	6.9	6.3	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	7.6	7.0	6.4	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	9.0	7.8	6.9	6.4	6.0	5.9	5.9	5.9	5.9	5.9	5.9
62.5°	10.9	8.6	7.5	6.8	6.3	6.0	5.9	5.9	5.9	5.9	5.9
60°	13.3	10.0	8.2	7.4	6.6	6.0	5.9	5.9	5.9	5.9	5.9
57.5°	15.2	11.0	9.4	8.1	7.1	6.3	5.9	5.9	5.9	5.9	5.9
55°	16.0	12.0	10.5	9.2	7.7	6.7	6.1	5.9	5.9	5.9	5.9
52.5°	14.2	12.4	11.4	10.1	8.7	7.2	6.5	5.9	5.9	5.9	5.9
50°	11.2	11.6	11.7	10.7	9.6	8.1	6.9	6.2	5.9	5.9	6.0
47.5°	9.9	11.0	11.2	11.0	10.0	8.9	7.5	6.6	5.9	5.9	6.0
45°	10.2	10.5	10.9	10.7	10.3	9.4	8.1	7.0	6.2	6.0	6.1
42.5°	11.2	11.3	11.0	10.5	10.4	9.7	8.7	7.4	6.5	6.2	6.3
40°	13.5	12.8	11.8	11.6	10.7	10.0	9.0	7.8	6.8	6.4	6.4
37.5°	16.6	15.3	13.6	13.9	11.6	10.3	9.2	8.1	7.3	6.8	6.6
35°	22.8	18.7	17.7	17.6	14.7	10.8	9.4	8.3	7.8	7.2	6.8
32.5°	30.9	25.2	23.5	21.8	18.8	11.4	9.8	9.1	8.4	7.6	7.1
30°	39.7	36.6	30.3	26.6	23.6	15.2	10.9	9.9	9.0	8.0	7.3
27.5°	53.4	49.4	38.7	32.9	28.1	20.1	13.0	11.0	9.6	8.4	7.7
25°	72.0	63.6	50.7	39.9	32.9	31.9	15.7	12.1	10.3	8.9	8.0
22.5°	98.0	80.2	63.6	47.5	52.3	46.9	22.1	14.3	11.2	9.4	8.3
20°	128.2	99.1	83.7	79.7	76.4	63.5	33.2	16.6	12.2	9.9	8.6
17.5°	164.5	145.6	139.4	120.4	103.4	82.5	46.0	19.3	13.2	10.4	8.9
15°	267.7	228.1	201.1	165.8	132.6	103.6	60.2	22.0	14.2	10.9	9.1
12.5°	389.8	315.6	267.2	215.1	163.4	126.2	75.1	24.9	15.3	11.3	9.2
10°	516.5	406.7	336.6	266.9	195.3	149.6	90.4	28.1	16.6	11.7	9.3
7.5°	645.1	499.6	407.7	319.9	227.0	172.6	107.2	31.8	18.1	12.0	9.3
5°	761.9	580.2	465.8	362.5	255.1	194.2	123.6	35.5	19.5	12.4	9.4
2.5°	826.0	639.1	513.7	401.1	282.3	214.4	138.8	38.9	20.9	12.7	9.4
0°	882.4	694.0	558.2	436.5	307.8	232.9	152.1	42.1	22.2	12.9	9.4
-2.5°	882.7	685.3	556.4	447.3	320.5	240.0	157.9	51.4	27.9	16.0	10.5
-5°	874.2	672.3	551.9	454.3	330.6	245.0	161.5	60.1	33.3	19.0	11.5
-7.5°	835.1	646.6	540.7	455.8	337.8	247.9	163.0	68.0	38.3	21.8	12.5
-10°	782.8	612.4	520.1	441.6	334.9	247.1	162.6	74.9	42.7	24.2	13.3
-12.5°	722.8	576.4	500.1	426.0	328.3	243.1	159.6	80.2	46.5	26.1	13.9
-15°	655.1	539.4	481.5	409.7	319.6	237.6	155.4	84.1	49.6	27.8	14.3
-17.5°	582.8	502.1	465.2	393.4	308.8	230.5	150.2	86.7	51.9	29.1	15.0
-20°	544.5	477.6	450.2	377.6	296.1	222.2	144.3	88.0	53.3	30.0	15.8



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	510.8	464.9	428.5	361.2	282.7	212.6	137.8	87.7	53.6	30.3	16.3
-25°	476.3	452.7	406.8	339.5	269.7	202.4	133.8	86.0	52.9	29.9	16.6
-27.5°	457.1	437.6	385.4	316.1	252.1	192.4	131.2	84.9	51.5	28.9	16.6
-30°	444.9	413.6	359.3	292.3	233.1	176.9	126.6	82.4	50.2	28.2	16.2
-32.5°	435.6	390.7	330.4	269.9	214.0	160.5	117.2	78.4	48.0	27.8	16.1
-35°	415.4	362.6	300.6	246.1	194.4	146.9	106.0	72.8	44.9	26.9	15.8
-37.5°	392.2	330.5	273.4	222.3	173.9	132.4	95.7	65.3	40.8	25.5	15.1
-40°	355.6	298.3	246.0	199.2	155.9	116.9	84.4	58.2	38.0	23.8	14.1
-42.5°	317.3	266.7	219.4	175.3	138.1	103.3	72.5	50.5	34.6	22.0	12.7
-45°	281.2	234.7	192.1	154.5	119.9	88.7	63.5	42.9	30.6	19.9	11.4
-47.5°	244.3	203.5	166.1	132.4	102.6	74.5	53.9	38.0	26.3	17.3	10.7
-50°	209.1	173.1	140.6	111.4	84.0	63.3	44.8	32.7	22.5	14.0	10.0
-52.5°	175.4	144.0	116.2	90.4	69.6	51.6	38.3	27.1	18.5	12.1	9.0
-55°	143.1	116.8	92.7	72.8	55.7	42.7	31.3	22.3	14.3	10.9	8.1
-57.5°	113.8	90.7	73.1	57.0	44.6	34.3	25.0	17.2	12.2	9.6	7.9
-60°	85.8	70.3	55.2	44.7	35.3	26.6	19.1	13.1	10.7	8.4	7.6
-62.5°	64.5	51.8	43.1	34.5	26.9	19.8	13.6	11.4	9.2	8.1	7.3
-65°	48.4	40.4	32.1	25.6	19.2	14.0	11.7	9.7	8.5	7.8	7.1
-67.5°	36.4	29.7	23.0	17.1	13.8	11.6	9.7	8.9	8.2	7.4	7.1
-70°	25.6	19.6	15.5	12.9	10.8	9.3	9.0	8.4	7.8	7.3	7.1
-72.5°	17.3	14.3	11.4	9.4	9.1	8.8	8.4	8.0	7.5	7.2	7.0
-75°	11.9	10.4	9.4	8.7	8.4	8.2	7.9	7.6	7.2	7.0	6.8
-77.5°	10.0	9.2	8.5	8.0	7.8	7.6	7.4	7.1	6.9	6.7	6.4
-80°	8.4	8.0	7.6	7.3	7.2	7.0	6.8	6.7	6.5	6.3	6.1
-82.5°	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1	5.9	5.8
-85°	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	5.5	5.5	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	5.0	5.0	4.9	4.9	4.8	4.7	4.7
85°	5.3	5.2	5.1	5.0	4.9	4.8	4.7
82.5°	5.6	5.5	5.3	5.2	5.0	4.8	4.7
80°	5.9	5.7	5.5	5.3	5.1	4.8	4.7
77.5°	5.9	5.9	5.7	5.5	5.2	4.8	4.7
75°	5.9	5.9	5.9	5.6	5.3	4.8	4.7
72.5°	5.9	5.9	5.9	5.8	5.4	4.9	4.7
70°	5.9	5.9	5.9	5.9	5.5	4.9	4.7
67.5°	5.9	5.9	5.9	5.9	5.5	4.9	4.7
65°	5.9	5.9	5.9	5.9	5.6	4.9	4.7
62.5°	5.9	5.9	5.9	5.9	5.7	4.9	4.7
60°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
57.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
55°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
52.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
50°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
47.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
45°	6.0	5.9	5.9	5.9	5.7	5.0	4.7
42.5°	6.1	5.9	5.9	5.9	5.7	5.0	4.7
40°	6.2	5.9	5.9	5.9	5.7	5.0	4.7
37.5°	6.4	5.9	5.9	5.9	5.7	5.0	4.7
35°	6.5	6.0	5.9	5.9	5.7	5.0	4.7
32.5°	6.7	6.1	5.9	5.9	5.7	5.0	4.7
30°	6.9	6.2	5.9	5.9	5.7	5.0	4.7
27.5°	7.1	6.3	5.9	5.9	5.8	4.9	4.7
25°	7.3	6.5	5.9	5.9	5.8	4.9	4.7
22.5°	7.5	6.6	5.9	5.9	5.8	4.9	4.7
20°	7.7	6.7	5.9	5.9	5.8	4.9	4.7
17.5°	7.9	6.7	5.9	5.9	5.8	4.9	4.7
15°	7.9	6.8	5.9	5.9	5.8	4.9	4.7
12.5°	8.0	6.9	5.9	5.9	5.9	4.8	4.7
10°	8.1	6.9	5.9	5.9	5.9	4.8	4.7
7.5°	8.1	7.0	5.9	5.9	5.9	4.8	4.7
5°	8.2	7.0	5.9	5.9	5.9	4.8	4.7
2.5°	8.2	7.0	5.9	5.9	5.9	4.7	4.7
0°	8.2	7.0	5.9	5.9	5.9	4.7	4.7
-2.5°	8.4	7.1	6.0	5.9	5.9	4.7	4.7
-5°	8.5	7.2	6.1	5.9	5.9	4.8	4.7
-7.5°	8.6	7.3	6.2	5.9	5.9	4.8	4.7
-10°	8.7	7.4	6.3	5.9	5.9	4.8	4.7
-12.5°	8.8	7.5	6.3	5.9	5.9	4.8	4.7
-15°	8.9	7.6	6.4	5.9	5.8	4.9	4.7
-17.5°	9.0	7.6	6.4	5.9	5.8	4.9	4.7
-20°	9.2	7.7	6.5	5.9	5.8	4.9	4.7



REPORT NUMBER: P731420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.8	7.7	6.5	5.9	5.8	4.9	4.7
-25°	10.1	7.7	6.5	5.9	5.8	4.9	4.7
-27.5°	10.3	7.7	6.5	5.9	5.8	4.9	4.7
-30°	10.2	7.7	6.4	5.9	5.7	5.0	4.7
-32.5°	9.9	7.6	6.4	5.9	5.7	5.0	4.7
-35°	9.7	7.4	6.3	5.9	5.7	5.0	4.7
-37.5°	9.5	7.3	6.2	5.9	5.7	5.0	4.7
-40°	9.2	7.2	6.1	5.9	5.7	5.0	4.7
-42.5°	8.8	7.1	6.1	5.9	5.7	5.0	4.7
-45°	8.4	6.9	6.1	5.9	5.7	5.0	4.7
-47.5°	7.8	6.8	6.2	6.0	5.7	5.0	4.7
-50°	7.6	6.6	6.2	6.0	5.7	5.0	4.7
-52.5°	7.4	6.5	6.2	6.0	5.7	5.0	4.7
-55°	7.2	6.5	6.3	6.0	5.7	5.0	4.7
-57.5°	7.0	6.5	6.3	6.0	5.7	5.0	4.7
-60°	6.8	6.5	6.3	6.0	5.7	5.0	4.7
-62.5°	6.8	6.6	6.3	6.0	5.7	4.9	4.7
-65°	6.9	6.6	6.2	6.0	5.6	4.9	4.7
-67.5°	6.9	6.6	6.1	5.9	5.5	4.9	4.7
-70°	6.9	6.4	6.1	5.9	5.5	4.9	4.7
-72.5°	6.7	6.3	6.0	5.8	5.4	4.9	4.7
-75°	6.5	6.1	5.9	5.6	5.3	4.8	4.7
-77.5°	6.2	6.0	5.7	5.5	5.2	4.8	4.7
-80°	5.9	5.7	5.5	5.3	5.1	4.8	4.7
-82.5°	5.6	5.5	5.3	5.2	5.0	4.8	4.7
-85°	5.3	5.2	5.1	5.0	4.9	4.8	4.7
-87.5°	5.0	5.0	4.9	4.9	4.8	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

