

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: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-4S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701424 (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: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-70-4S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

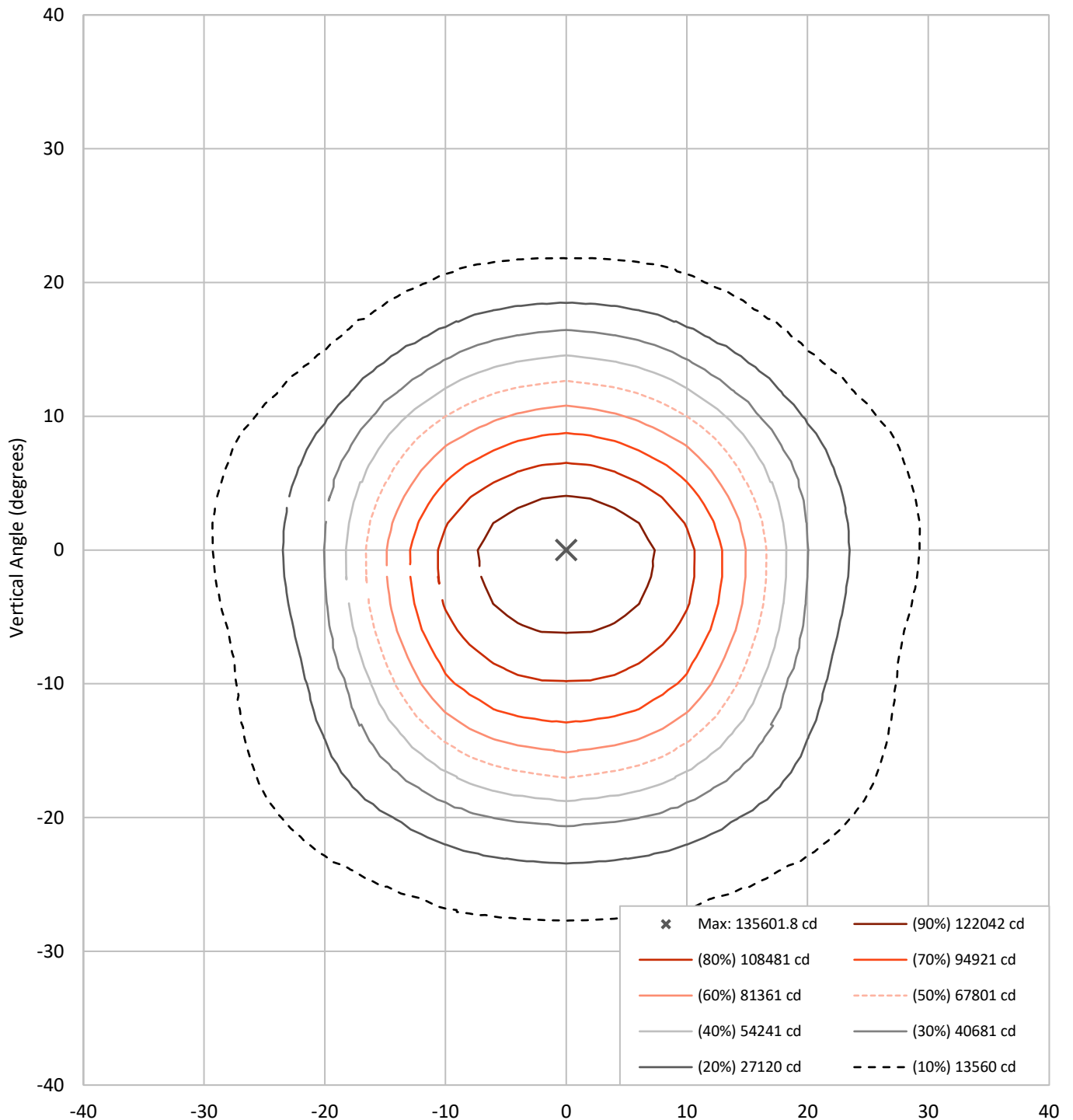
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	43398.8 lumens	Max Intensity:	135601.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.1 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:	23814.3 lumens	Field Lumens:	38155.6 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

Input Watts (W): 344.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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-08-0320L-57-70-4S-CV2-S

### Iso-Candela Plot





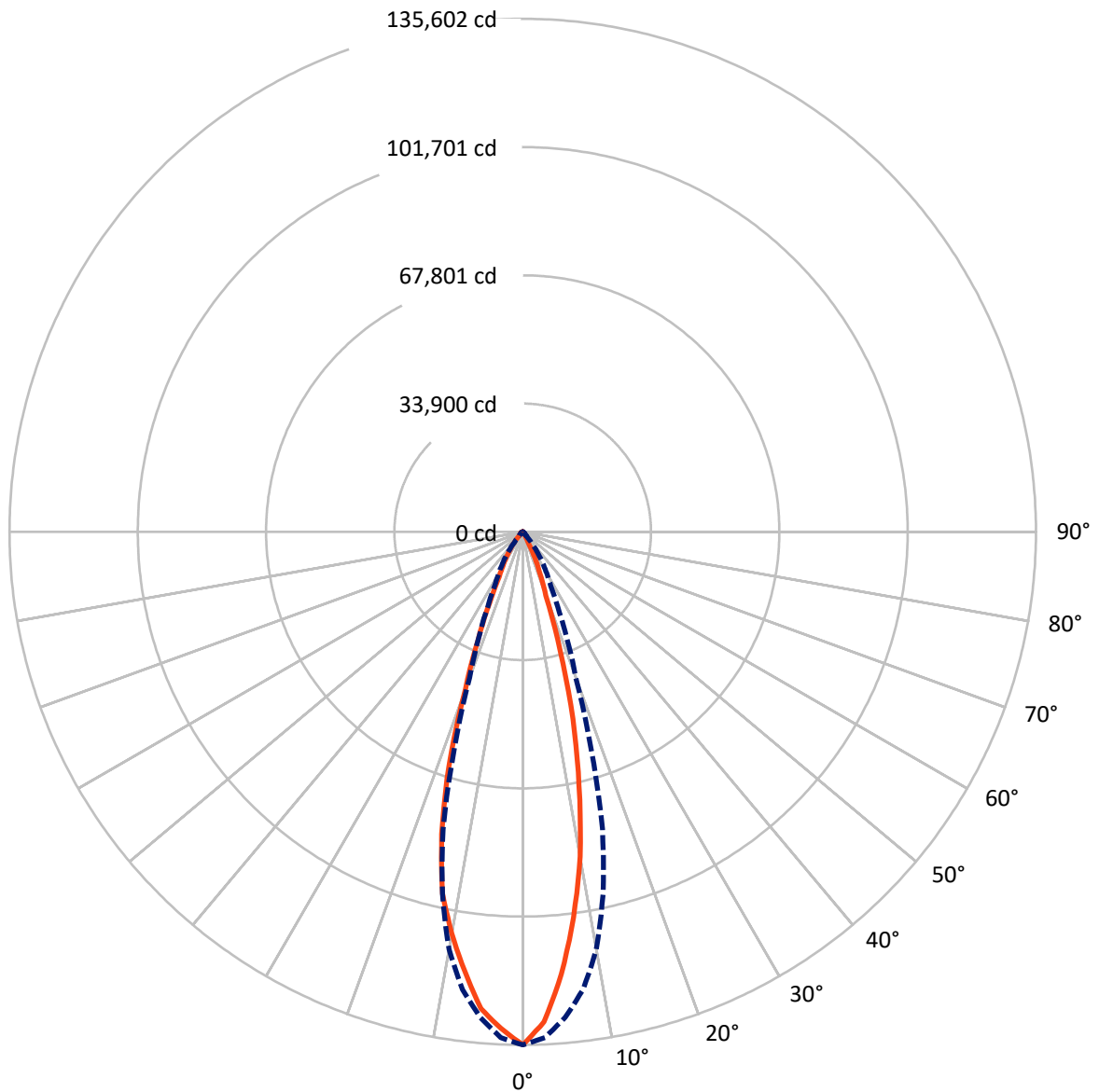
REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90																		
80	0.1	0.3		0.4		0.3		0.3		0.3		0.4		0.3		0.1		
70	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.1	0.1		
60		0.1	0.2	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.2	0.1			
50	0.1	0.1	0.2	0.4	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.4	0.2	0.1	0.1		
40		0.1	0.5	1.1	1.8	4.1	8.2	11.3	11.3	8.2	4.1	1.8	1.1	0.5	0.1			
30	0.1	0.2	1.6	4.3	15.9	57.9	137.1	231.8	231.8	137.1	57.9	15.9	4.3	1.6	0.2	0.1		
20		0.5	3.6	11.4	70.3	243.3	746.5	1410.4	1410.4	746.5	243.3	70.3	11.4	3.6	0.5			
10	0.2	1.0	6.1	21.6	163.6	582.9	1933.4	3266.8	3266.8	1933.4	582.9	163.6	21.6	6.1	1.0	0.2		
0		1.7	8.1	25.6	170.6	601.1	2170.0	3586.6	3586.6	2170.0	601.1	170.6	25.6	8.1	1.7			
-10	0.3	1.9	8.2	22.0	133.1	443.1	1296.0	2264.2	2264.2	1296.0	443.1	133.1	22.0	8.2	1.9	0.3		
-20		1.8	7.1	15.1	57.5	210.3	437.7	655.1	655.1	437.7	210.3	57.5	15.1	7.1	1.8			
-30	0.2	1.4	5.4	10.5	19.8	56.8	129.0	182.2	182.2	129.0	56.8	19.8	10.5	5.4	1.4	0.2		
-40		0.9	3.6	7.9	13.0	19.7	28.9	37.9	37.9	28.9	19.7	13.0	7.9	3.6	0.9			
-50	0.2	0.4	1.9	5.2	9.6	13.9	17.8	20.2	20.2	17.8	13.9	9.6	5.2	1.9	0.4	0.2		
-60		0.2	0.7	2.2	4.7	8.0	11.5	13.5	13.5	11.5	8.0	4.7	2.2	0.7	0.2			
-70	0.1	0.5		1.7		4.6		6.4		4.6		1.7		0.5		0.1		
-80		0.5		1.7		4.6		6.4		4.6		1.7		0.5				
-90																		

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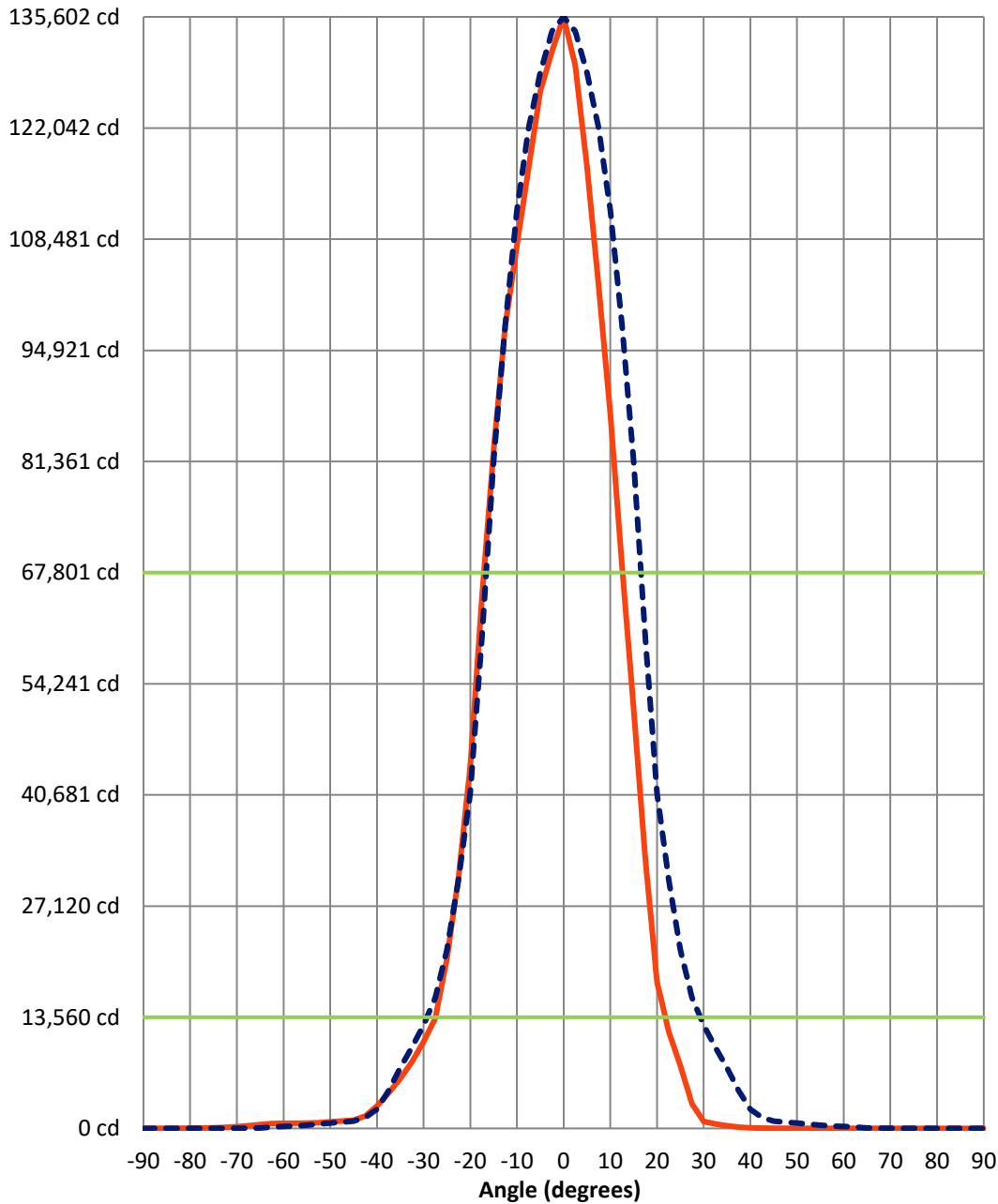
### Luminous Intensity Polar Plot



— 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: 23814.3  
Efficiency: 54.9%

**Field:**  
H Angle: 58.6°  
V Angle: 49.3°  
Lumens: 38155.6  
Efficiency: 87.9%

**Spill:**  
Lumens: 5243.1  
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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.3	5.3	5.1	4.9
75°	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.5	5.2	4.9
72.5°	4.8	4.8	4.8	4.8	5.0	5.4	5.7	5.8	5.5	5.2	4.9
70°	4.8	4.8	4.8	4.8	5.2	5.6	6.0	5.8	5.5	5.3	5.3
67.5°	4.8	4.8	4.8	5.0	5.4	5.9	6.0	5.9	5.6	5.5	5.7
65°	4.8	4.8	4.8	5.1	5.6	6.0	6.0	5.9	5.7	5.8	6.0
62.5°	4.8	4.8	4.8	5.3	5.8	6.0	6.0	5.9	5.9	6.0	6.0
60°	4.8	4.8	4.8	5.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0
57.5°	4.8	4.8	4.9	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
55°	4.8	4.8	5.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
52.5°	4.8	4.8	5.1	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0
50°	4.8	4.8	5.1	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.5
47.5°	4.8	4.8	5.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.1
45°	4.8	4.8	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.4	7.5
42.5°	4.8	4.8	5.4	6.0	6.0	6.0	6.0	6.0	6.1	6.7	7.8
40°	4.8	4.8	5.4	6.0	6.0	6.0	6.0	6.1	6.3	7.0	8.1
37.5°	4.8	4.8	5.5	6.0	6.0	6.0	6.0	6.3	6.7	7.4	8.3
35°	4.8	4.8	5.6	6.0	6.0	6.0	6.0	6.4	7.0	7.8	8.5
32.5°	4.8	4.8	5.6	6.0	6.0	6.0	6.0	6.6	7.3	8.1	9.1
30°	4.8	4.8	5.7	6.0	6.0	6.0	6.2	6.8	7.6	8.5	9.8
27.5°	4.8	4.8	5.7	6.0	6.0	6.0	6.3	7.0	7.9	8.8	10.8
25°	4.8	4.8	5.8	6.0	6.0	6.0	6.4	7.3	8.2	9.4	12.0
22.5°	4.8	4.8	5.8	6.0	6.0	6.0	6.6	7.5	8.5	10.3	14.4
20°	4.8	4.8	5.9	6.0	6.0	6.1	6.7	7.7	8.7	11.2	17.0
17.5°	4.8	4.8	5.9	6.0	6.0	6.2	6.9	7.9	9.0	12.1	19.5
15°	4.8	4.8	5.9	6.0	6.0	6.3	7.0	8.2	9.2	13.1	22.1
12.5°	4.8	4.8	5.9	6.0	6.0	6.5	7.1	8.4	9.9	14.1	24.6
10°	4.8	4.8	6.0	6.0	6.0	6.6	7.1	8.7	10.9	16.4	28.0
7.5°	4.8	4.8	6.0	6.0	6.0	6.8	7.2	8.9	12.1	19.0	33.7
5°	4.8	4.8	6.0	6.0	6.0	6.9	7.2	9.2	13.2	21.5	39.4
2.5°	4.8	4.8	6.0	6.0	6.0	7.1	7.2	9.4	14.4	24.0	45.0
0°	4.8	4.8	6.0	6.0	6.0	7.2	7.2	9.6	15.5	26.3	50.2
-2.5°	4.8	4.8	6.0	6.0	6.0	7.2	7.8	11.5	20.0	34.8	65.0
-5°	4.8	4.8	6.0	6.0	6.0	7.2	8.5	13.2	24.3	43.0	78.9
-7.5°	4.8	4.8	6.0	6.0	6.0	7.1	9.0	14.9	28.3	50.5	91.6
-10°	4.8	4.8	6.0	6.0	6.0	7.1	9.5	16.3	31.8	57.2	102.7
-12.5°	4.8	4.8	5.9	6.0	6.0	7.1	9.9	17.5	34.7	62.9	110.1
-15°	4.8	4.8	5.9	6.0	6.0	7.0	10.2	18.5	37.1	67.3	114.9
-17.5°	4.8	4.8	5.9	6.0	6.0	6.9	10.4	19.5	39.1	70.5	118.1
-20°	4.8	4.8	5.9	6.0	6.0	6.8	10.6	20.5	40.2	72.5	119.6



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	4.8	5.8	6.0	6.0	6.7	11.0	21.1	40.5	73.2	119.3
-25°	4.8	4.8	5.8	6.0	6.0	6.8	11.2	21.4	39.8	72.4	117.2
-27.5°	4.8	4.8	5.7	6.0	6.0	6.9	11.1	21.2	38.1	70.7	116.0
-30°	4.8	4.8	5.7	6.0	6.0	7.0	10.8	20.6	36.9	68.7	113.0
-32.5°	4.8	4.8	5.6	6.0	6.1	6.9	10.2	20.1	36.2	65.2	107.9
-35°	4.8	4.8	5.6	6.0	6.1	6.8	9.9	19.4	34.8	60.3	100.8
-37.5°	4.8	4.8	5.5	6.0	6.2	6.6	9.8	18.2	32.7	53.8	89.8
-40°	4.8	4.8	5.4	6.0	6.2	6.7	9.5	16.7	30.0	49.6	79.0
-42.5°	4.8	4.8	5.4	6.0	6.2	6.7	9.0	14.7	27.5	44.9	67.7
-45°	4.8	4.8	5.3	6.0	6.3	6.7	8.4	13.0	24.7	39.7	56.7
-47.5°	4.8	4.8	5.2	6.1	6.3	6.7	7.6	12.1	21.3	34.1	50.4
-50°	4.8	4.8	5.1	6.0	6.3	6.7	7.4	10.9	17.1	29.3	43.7
-52.5°	4.8	4.8	5.1	5.9	6.4	6.6	7.4	9.6	14.6	24.2	36.7
-55°	4.8	4.8	5.0	5.8	6.4	6.6	7.3	8.2	12.6	18.6	30.3
-57.5°	4.8	4.8	4.9	5.7	6.4	6.7	7.1	8.0	10.5	15.4	23.6
-60°	4.8	4.8	4.8	5.6	6.4	6.7	7.0	7.8	8.6	12.6	17.7
-62.5°	4.8	4.8	4.8	5.5	6.3	6.7	7.0	7.5	8.3	9.7	14.2
-65°	4.8	4.8	4.8	5.3	6.1	6.8	7.0	7.3	8.0	8.7	10.5
-67.5°	4.8	4.8	4.8	5.2	5.9	6.7	7.1	7.3	7.6	8.4	9.1
-70°	4.8	4.8	4.8	5.1	5.8	6.4	7.1	7.3	7.5	8.0	8.6
-72.5°	4.8	4.8	4.8	5.0	5.6	6.2	6.9	7.2	7.4	7.7	8.2
-75°	4.8	4.8	4.8	5.0	5.4	6.0	6.6	6.9	7.2	7.4	7.8
-77.5°	4.8	4.8	4.8	5.0	5.3	5.8	6.3	6.6	6.8	7.1	7.3
-80°	4.8	4.8	4.8	4.9	5.2	5.6	6.0	6.2	6.4	6.6	6.8
-82.5°	4.8	4.8	4.8	4.9	5.1	5.4	5.7	5.9	6.0	6.2	6.3
-85°	4.8	4.8	4.8	4.9	5.0	5.2	5.4	5.5	5.6	5.7	5.8
-87.5°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9
87.5°	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7
85°	4.5	4.2	4.0	3.8	3.8	3.8	3.7	3.6	3.4	3.3	3.2
82.5°	4.6	4.5	4.5	4.5	4.4	4.2	3.9	3.6	3.6	3.6	3.6
80°	4.8	4.8	4.8	4.8	4.6	4.3	4.0	3.7	3.6	3.6	3.7
77.5°	4.8	4.8	4.8	4.8	4.6	4.4	4.3	4.3	4.3	4.2	4.0
75°	4.8	4.8	4.9	4.8	4.7	4.7	4.8	4.8	4.6	4.3	4.0
72.5°	5.0	5.1	5.1	4.9	4.8	4.8	4.8	4.8	4.9	5.0	4.9
70°	5.5	5.5	5.3	5.0	4.8	5.0	5.6	6.2	6.7	6.7	6.9
67.5°	5.9	5.6	5.3	5.2	5.7	6.5	7.2	8.1	9.1	9.5	10.0
65°	6.0	5.7	5.7	6.2	7.1	8.0	9.1	10.3	12.9	14.5	15.2
62.5°	6.0	5.9	6.3	7.2	8.4	9.6	11.4	14.3	18.1	20.9	21.0
60°	6.0	6.1	7.0	8.3	9.6	11.2	14.0	18.4	24.2	28.6	26.1
57.5°	6.0	6.7	8.1	9.4	10.7	12.5	16.7	22.4	28.4	34.8	29.7
55°	6.3	7.6	9.0	10.2	11.8	14.1	18.5	23.9	30.5	32.3	26.6
52.5°	7.1	8.5	9.5	10.9	13.0	15.2	18.3	23.0	25.1	25.6	22.1
50°	7.8	8.9	10.0	11.6	13.7	15.6	16.5	19.3	20.1	19.1	17.2
47.5°	8.2	9.2	10.3	12.1	14.2	15.8	15.8	16.0	15.7	15.4	12.7
45°	8.6	9.6	10.6	12.7	14.9	16.3	15.5	13.4	15.2	14.6	14.0
42.5°	8.9	9.9	11.7	13.3	16.2	17.1	15.9	16.4	16.9	17.7	18.0
40°	9.2	10.3	13.1	16.3	17.9	18.4	20.4	21.8	21.2	23.2	24.4
37.5°	9.4	11.9	15.9	21.7	19.9	22.5	26.2	32.2	32.4	30.5	35.1
35°	9.7	13.7	22.5	28.9	27.4	29.0	38.8	46.7	49.0	46.4	49.3
32.5°	10.8	15.8	31.0	37.7	41.5	43.5	54.7	66.5	75.3	77.0	69.8
30°	13.0	23.5	40.7	48.2	59.3	70.1	77.8	92.1	110.4	124.6	130.4
27.5°	15.8	32.8	50.8	64.4	81.3	99.6	113.1	130.9	160.6	186.1	207.1
25°	18.9	45.6	62.1	84.1	109.3	133.0	153.7	183.4	222.8	265.1	338.8
22.5°	25.7	60.2	79.1	106.0	139.1	168.9	203.3	245.5	296.0	354.1	490.8
20°	36.9	74.5	99.5	130.3	171.3	206.5	255.0	308.9	377.7	501.8	733.8
17.5°	48.7	89.9	120.5	159.1	210.0	254.4	308.8	371.9	463.0	661.5	1118.6
15°	61.0	106.1	140.5	189.6	252.2	315.7	381.4	450.0	580.4	887.6	1608.6
12.5°	73.5	122.7	159.4	221.1	297.0	379.6	458.0	545.3	733.9	1276.1	2334.4
10°	85.8	139.4	177.4	253.0	343.2	445.0	533.9	636.8	893.4	1628.0	2983.4
7.5°	106.0	161.2	196.6	284.4	389.7	510.4	608.5	723.9	1049.2	1934.7	3581.1
5°	127.2	188.0	227.1	322.7	435.6	568.7	675.9	806.1	1196.7	2192.8	4141.8
2.5°	147.6	213.7	257.0	359.6	478.6	613.9	718.7	852.1	1275.6	2313.4	4488.2
0°	166.2	238.0	285.8	393.4	517.8	654.1	757.0	892.1	1323.8	2336.7	4599.2
-2.5°	188.8	264.7	315.6	420.3	539.2	677.7	781.3	922.5	1373.6	2467.3	4619.2
-5°	208.1	289.4	344.0	444.2	557.2	696.1	801.6	946.3	1396.8	2526.8	4522.1
-7.5°	223.8	311.9	370.8	463.2	566.5	699.8	809.0	950.1	1380.6	2496.2	4323.4
-10°	233.2	321.5	377.3	462.9	563.5	692.0	809.0	946.7	1334.0	2369.1	4044.3
-12.5°	226.4	318.9	378.5	459.4	557.7	678.9	803.3	935.9	1254.6	2134.5	3717.8
-15°	217.9	314.6	377.7	452.7	549.5	660.5	791.3	917.4	1130.8	1770.7	3314.4
-17.5°	208.3	308.7	374.8	442.7	539.0	636.9	767.0	869.2	1002.8	1508.7	2849.5
-20°	197.7	301.3	369.7	429.5	526.2	602.8	709.9	815.1	936.9	1283.0	2224.0



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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°	186.7	292.5	361.3	420.9	493.6	563.5	649.7	752.8	864.4	1002.5	1558.8
-25°	180.3	276.0	349.2	401.0	458.4	523.4	587.9	683.1	788.8	900.0	1192.8
-27.5°	177.0	260.1	329.3	381.1	424.4	483.3	538.2	614.2	712.1	807.2	900.0
-30°	171.2	237.4	309.1	360.5	399.8	446.2	493.4	555.0	642.0	725.5	802.4
-32.5°	158.9	214.4	284.3	337.5	378.0	411.8	458.5	513.5	580.4	652.9	714.8
-35°	143.7	196.3	257.5	314.6	356.5	388.5	430.5	476.8	525.9	588.7	662.8
-37.5°	129.6	176.6	230.8	288.9	331.8	370.8	403.1	444.7	487.1	533.6	607.7
-40°	114.5	155.3	206.7	260.1	309.7	350.1	383.7	414.8	451.9	498.4	547.9
-42.5°	98.8	137.5	181.9	231.8	281.6	325.3	363.3	392.1	423.7	463.8	507.8
-45°	85.7	118.6	156.6	203.8	250.8	296.7	335.6	371.8	402.2	431.7	469.7
-47.5°	72.1	100.1	135.0	175.3	219.9	263.0	305.1	345.1	383.7	411.3	434.6
-50°	59.7	84.8	113.2	150.2	189.1	229.5	268.8	315.7	356.6	391.4	418.5
-52.5°	51.8	68.9	95.1	125.4	160.4	196.7	235.6	278.7	323.0	364.3	396.0
-55°	43.4	58.2	76.6	102.9	132.6	165.5	201.9	241.4	281.7	323.2	363.8
-57.5°	35.3	48.5	62.6	80.8	106.6	134.7	168.1	203.1	240.2	277.9	315.5
-60°	27.2	38.7	51.4	64.7	80.5	105.8	133.4	164.3	197.2	231.0	264.9
-62.5°	19.4	28.8	40.0	52.1	64.5	78.3	100.6	126.3	152.9	181.0	210.4
-65°	15.1	20.0	28.2	38.8	50.2	62.2	75.5	90.0	112.2	134.0	154.7
-67.5°	10.6	15.1	19.6	25.0	34.8	45.1	56.2	68.3	81.2	93.9	108.7
-70°	9.5	10.7	14.2	18.2	22.0	27.1	36.2	45.9	55.8	65.5	76.1
-72.5°	8.9	9.8	11.1	12.7	15.8	19.0	22.0	25.0	30.9	38.8	46.6
-75°	8.2	8.9	9.7	10.9	12.1	13.4	15.0	17.6	20.1	22.5	24.9
-77.5°	7.6	8.0	8.6	9.2	9.9	10.9	12.0	13.1	14.1	15.1	16.1
-80°	7.0	7.2	7.5	7.9	8.3	8.9	9.5	10.1	10.6	11.1	11.7
-82.5°	6.5	6.6	6.7	6.9	6.9	7.1	7.3	7.6	8.0	8.3	8.6
-85°	5.9	6.0	6.1	6.2	6.0	5.9	5.8	5.8	5.9	6.1	6.2
-87.5°	5.4	5.4	5.4	5.5	5.3	5.2	5.0	4.8	4.7	4.7	4.6
-90°	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.6	3.6	3.6	3.6	3.6	4.2	4.8	5.4	6.0	6.6	7.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.2	3.0	2.8	2.6	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
77.5°	3.7	3.4	3.2	3.1	3.1	3.0	2.9	2.7	2.4	2.1	1.8
75°	3.7	3.6	3.7	3.7	3.6	3.4	3.1	2.8	2.5	2.4	2.3
72.5°	4.7	4.5	4.5	4.6	4.6	4.4	4.2	3.9	3.5	3.4	3.5
70°	7.0	7.2	7.2	7.1	6.7	6.2	5.7	5.2	4.7	4.6	4.6
67.5°	10.6	10.8	10.4	9.7	8.4	7.3	6.9	6.4	5.9	5.7	5.8
65°	15.3	14.1	12.9	11.5	10.0	8.3	7.8	7.4	7.0	7.0	7.4
62.5°	19.7	16.0	12.9	11.0	9.5	8.3	7.7	7.2	6.7	6.5	6.7
60°	21.7	15.4	11.2	9.9	8.7	7.4	6.7	6.1	5.6	5.3	5.5
57.5°	21.8	15.1	10.4	8.8	7.5	6.4	5.8	5.5	5.1	4.8	5.2
55°	19.3	13.4	8.8	7.6	6.8	6.3	5.9	5.8	5.7	5.6	5.8
52.5°	15.5	11.2	8.2	7.1	7.1	7.1	7.1	7.1	7.2	7.4	7.8
50°	12.4	9.6	8.7	8.2	8.5	8.5	8.3	8.8	9.4	9.8	10.1
47.5°	11.4	10.4	10.5	10.3	10.7	11.5	11.7	12.0	13.0	13.5	13.9
45°	12.6	13.5	14.1	15.0	15.6	17.0	17.5	17.5	19.4	20.8	21.5
42.5°	17.6	19.1	21.0	22.9	23.8	25.6	27.4	28.4	31.4	33.7	34.7
40°	26.6	27.5	31.4	33.8	35.6	37.9	43.4	47.0	52.8	63.5	71.4
37.5°	39.1	42.0	44.3	47.7	55.3	58.9	76.6	92.7	103.7	130.4	145.5
35°	57.2	65.1	62.4	77.7	96.6	120.4	146.3	184.8	215.4	251.5	284.9
32.5°	89.7	108.9	127.5	145.3	187.9	256.1	258.0	330.1	378.4	436.9	488.5
30°	141.9	209.9	295.3	323.7	443.4	577.3	540.2	650.9	760.6	825.8	1051.0
27.5°	280.2	433.2	603.1	818.8	1042.0	1272.2	1424.6	1478.0	2032.9	2440.9	2972.0
25°	479.4	748.0	1222.4	1571.8	1963.7	2474.9	2770.2	3167.6	4093.2	5246.7	6142.6
22.5°	764.1	1233.4	1860.1	2388.8	2976.3	3665.2	4288.2	5241.2	6680.5	8254.9	9594.3
20°	1083.1	1688.1	2482.2	3274.4	4044.5	4942.3	6026.3	7972.2	10196.2	12664.1	14895.3
17.5°	1671.6	2266.5	3283.5	4366.6	5460.7	6542.0	8925.8	11807.7	15289.1	18946.1	22194.2
15°	2512.6	3475.5	4484.2	5916.3	7737.4	9815.4	12834.3	17889.0	23296.1	29003.4	35807.2
12.5°	3610.1	5006.1	6519.2	8177.4	10646.5	14439.8	19447.8	25617.5	33357.1	41919.4	51601.1
10°	4730.1	6743.4	8827.2	11195.4	14449.6	19335.7	25803.1	33528.3	45699.8	57696.4	67800.9
7.5°	5640.7	7987.0	10616.1	13761.9	18003.5	23956.9	31949.3	43113.9	57629.1	71902.9	83207.1
5°	6495.1	9072.6	11809.5	15023.7	20137.2	27316.5	36941.7	50871.1	68236.1	83416.6	95529.5
2.5°	7114.7	9822.3	12653.8	15924.2	21754.2	29358.8	39926.1	57204.6	77191.7	92745.1	106633.8
0°	7389.1	9894.3	12602.9	15958.4	21807.3	30400.5	40961.0	59879.1	81337.2	98057.9	112009.2
-2.5°	7049.0	9481.2	12276.2	15554.4	21417.4	29672.4	40581.0	59577.9	81109.8	98067.3	111822.0
-5°	6689.1	8994.9	11589.6	14619.7	19966.0	27641.7	38771.4	56922.3	77584.5	94632.6	108050.2
-7.5°	6305.5	8415.9	10737.2	13455.8	18198.8	25585.1	35919.8	51239.2	70552.7	87910.7	100530.0
-10°	5866.9	7788.1	10229.3	13110.6	17239.6	23660.3	32207.0	44479.7	62569.4	78696.7	92551.9
-12.5°	5609.4	7658.6	10098.0	12744.6	16075.2	21733.5	29509.9	39978.7	52361.6	67342.2	79670.5
-15°	5278.4	7352.7	9771.9	12254.9	15337.9	19755.7	25895.5	33584.9	43007.1	53102.3	64044.8
-17.5°	4734.3	6807.3	8755.5	11085.9	14014.2	17504.5	21916.8	27884.2	34136.0	41288.8	47835.6
-20°	3838.2	5512.7	7355.1	9550.9	12068.1	14713.1	17659.6	21725.6	25691.3	30699.0	34719.1



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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°	2761.4	4176.8	5773.1	7587.8	9581.1	11845.6	14065.3	16211.0	18928.8	22098.7	25328.7
-25°	1798.4	2845.6	4227.8	5715.1	7107.3	8917.0	10511.7	11793.1	13625.9	15060.2	17017.6
-27.5°	1245.3	1925.9	2955.6	4140.6	5238.7	6397.1	7695.3	8570.2	9997.9	10773.8	11973.7
-30°	911.3	1293.2	2033.8	2920.1	3876.8	4862.8	5789.5	6751.5	7744.6	8622.8	9288.7
-32.5°	808.1	958.1	1323.3	1961.3	2709.8	3536.6	4321.4	5160.0	5951.2	6631.9	7181.3
-35°	738.0	822.2	936.9	1274.2	1721.0	2366.4	2983.9	3662.7	4298.2	4824.4	5265.4
-37.5°	682.5	749.9	822.2	896.2	1147.0	1429.5	1868.3	2340.1	2747.9	3213.8	3573.6
-40°	619.5	691.5	749.4	808.5	875.0	945.9	1183.4	1394.6	1625.0	1939.5	2196.5
-42.5°	554.6	617.2	682.4	737.4	787.5	840.5	893.9	941.2	1058.2	1196.9	1302.1
-45°	509.7	553.9	601.7	660.0	714.0	759.9	803.1	844.5	886.9	926.1	958.7
-47.5°	470.0	505.8	545.1	585.2	625.8	673.0	717.3	759.4	796.2	829.6	856.5
-50°	441.1	465.9	498.5	530.1	564.9	597.8	627.2	661.7	699.4	733.7	761.1
-52.5°	426.5	448.1	466.9	489.5	520.9	548.5	572.7	600.0	626.2	650.2	667.8
-55°	397.7	426.1	453.5	478.9	500.5	520.2	541.2	568.0	591.1	610.9	621.8
-57.5°	352.6	389.0	423.6	455.9	486.3	514.9	538.7	559.9	581.2	601.4	610.8
-60°	299.3	334.1	370.1	409.1	448.3	487.4	516.2	543.6	569.5	591.2	602.7
-62.5°	242.1	273.8	306.0	341.0	378.4	415.0	446.3	479.1	512.6	541.5	560.0
-65°	177.0	204.0	232.9	261.6	290.0	319.2	347.3	374.8	401.6	423.2	438.3
-67.5°	126.9	144.3	162.2	180.6	202.6	225.1	245.9	265.9	285.1	300.4	311.6
-70°	87.2	98.5	109.0	120.7	134.8	148.5	161.3	173.4	184.8	194.4	202.4
-72.5°	54.3	61.7	69.0	77.2	85.2	92.9	100.1	106.8	113.1	118.8	123.9
-75°	27.2	30.7	36.5	42.0	47.2	52.6	57.6	61.9	65.7	68.9	71.6
-77.5°	17.6	19.8	22.0	24.0	25.8	28.3	31.1	33.9	36.7	39.0	41.1
-80°	12.4	13.6	14.9	16.2	17.5	19.1	20.7	22.3	23.8	24.9	25.7
-82.5°	8.8	9.5	10.3	11.0	11.8	12.9	14.0	15.1	16.2	16.9	17.7
-85°	6.3	6.6	7.0	7.3	7.7	8.7	9.7	10.7	11.7	12.4	13.1
-87.5°	4.6	4.6	4.6	4.7	4.7	5.6	6.5	7.4	8.3	8.6	9.0
-90°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	7.8	8.4	8.4	8.4	8.4	8.4	7.8	7.2	6.6	6.0	5.4
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.8
72.5°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.5	3.9
70°	4.7	4.8	4.2	3.6	4.2	4.8	4.7	4.6	4.6	4.7	5.2
67.5°	5.9	6.0	6.5	7.2	6.5	6.0	5.9	5.8	5.7	5.9	6.4
65°	7.8	8.2	7.8	7.2	7.8	8.2	7.8	7.4	7.0	7.0	7.4
62.5°	6.9	7.2	6.7	6.0	6.7	7.2	6.9	6.7	6.5	6.7	7.2
60°	5.7	6.0	6.0	6.0	6.0	6.0	5.7	5.5	5.3	5.6	6.1
57.5°	5.5	5.9	6.0	6.0	6.0	5.9	5.5	5.2	4.8	5.1	5.5
55°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.6	5.7	5.8
52.5°	8.0	8.2	8.4	8.4	8.4	8.2	8.0	7.8	7.4	7.2	7.1
50°	10.4	10.6	10.8	10.8	10.8	10.6	10.4	10.1	9.8	9.4	8.8
47.5°	14.2	14.3	14.3	14.4	14.3	14.3	14.2	13.9	13.5	13.0	12.0
45°	21.8	21.6	21.3	21.5	21.3	21.6	21.8	21.5	20.8	19.4	17.5
42.5°	35.6	35.6	35.6	35.9	35.6	35.6	35.6	34.7	33.7	31.4	28.4
40°	73.5	70.9	67.1	67.0	67.1	70.9	73.5	71.4	63.5	52.8	47.0
37.5°	153.0	155.7	155.3	157.9	155.3	155.7	153.0	145.5	130.4	103.7	92.7
35°	310.2	324.1	327.2	326.5	327.2	324.1	310.2	284.9	251.5	215.4	184.8
32.5°	510.9	529.4	534.6	541.7	534.6	529.4	510.9	488.5	436.9	378.4	330.1
30°	898.3	923.1	899.5	851.4	899.5	923.1	898.3	1051.0	825.8	760.6	650.9
27.5°	3254.9	3374.3	3105.6	3007.5	3105.6	3374.3	3254.9	2972.0	2440.9	2032.9	1478.0
25°	6633.4	7161.4	7702.5	7654.5	7702.5	7161.4	6633.4	6142.6	5246.7	4093.2	3167.6
22.5°	10705.5	11240.4	11686.4	11840.0	11686.4	11240.4	10705.5	9594.3	8254.9	6680.5	5241.2
20°	16956.5	17998.5	18744.6	17949.5	18744.6	17998.5	16956.5	14895.3	12664.1	10196.2	7972.2
17.5°	27104.0	30241.7	31871.7	32901.0	31871.7	30241.7	27104.0	22194.2	18946.1	15289.1	11807.7
15°	42074.4	46806.3	49427.9	51163.8	49427.9	46806.3	42074.4	35807.2	29003.4	23296.1	17889.0
12.5°	59338.8	64498.1	66815.1	68706.2	66815.1	64498.1	59338.8	51601.1	41919.4	33357.1	25617.5
10°	75751.0	81324.8	85184.0	87189.6	85184.0	81324.8	75751.0	67800.9	57696.4	45699.8	33528.3
7.5°	90788.6	97606.9	101523.0	102769.6	101523.0	97606.9	90788.6	83207.1	71902.9	57629.1	43113.9
5°	105497.3	111580.8	116290.3	117358.1	116290.3	111580.8	105497.3	95529.5	83416.6	68236.1	50871.1
2.5°	116822.4	124113.3	128341.5	129619.7	128341.5	124113.3	116822.4	106633.8	92745.1	77191.7	57204.6
0°	122012.3	128799.9	133806.3	135601.8	133806.3	128799.9	122012.3	112009.2	98057.9	81337.2	59879.1
-2.5°	120926.8	127181.9	130765.5	131382.9	130765.5	127181.9	120926.8	111822.0	98067.3	81109.8	59577.9
-5°	117108.9	122856.0	126395.5	126496.7	126395.5	122856.0	117108.9	108050.2	94632.6	77584.5	56922.3
-7.5°	108722.7	114097.0	116564.5	117184.2	116564.5	114097.0	108722.7	100530.0	87910.7	70552.7	51239.2
-10°	100187.0	105173.0	107504.7	107762.8	107504.7	105173.0	100187.0	92551.9	78696.7	62569.4	44479.7
-12.5°	89130.7	94465.7	96793.9	97888.7	96793.9	94465.7	89130.7	79670.5	67342.2	52361.6	39978.7
-15°	72677.7	77836.5	80629.6	82692.1	80629.6	77836.5	72677.7	64044.8	53102.3	43007.1	33584.9
-17.5°	55048.3	59470.1	62222.7	64728.2	62222.7	59470.1	55048.3	47835.6	41288.8	34136.0	27884.2
-20°	39192.0	42008.1	42873.0	44223.2	42873.0	42008.1	39192.0	34719.1	30699.0	25691.3	21725.6



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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°	27526.6	29127.7	30141.9	30715.0	30141.9	29127.7	27526.6	25328.7	22098.7	18928.8	16211.0
-25°	18661.1	19771.5	20203.4	20701.1	20203.4	19771.5	18661.1	17017.6	15060.2	13625.9	11793.1
-27.5°	12499.9	12955.9	13267.4	13436.4	13267.4	12955.9	12499.9	11973.7	10773.8	9997.9	8570.2
-30°	9824.8	10241.7	10491.8	10571.2	10491.8	10241.7	9824.8	9288.7	8622.8	7744.6	6751.5
-32.5°	7606.6	7921.8	8090.3	8112.6	8090.3	7921.8	7606.6	7181.3	6631.9	5951.2	5160.0
-35°	5635.2	5922.3	6081.2	6070.1	6081.2	5922.3	5635.2	5265.4	4824.4	4298.2	3662.7
-37.5°	3883.1	4126.5	4275.8	4314.6	4275.8	4126.5	3883.1	3573.6	3213.8	2747.9	2340.1
-40°	2429.2	2608.0	2714.7	2728.9	2714.7	2608.0	2429.2	2196.5	1939.5	1625.0	1394.6
-42.5°	1394.4	1466.9	1507.5	1505.6	1507.5	1466.9	1394.4	1302.1	1196.9	1058.2	941.2
-45°	980.0	996.3	1005.4	1006.9	1005.4	996.3	980.0	958.7	926.1	886.9	844.5
-47.5°	876.0	891.4	899.6	900.5	899.6	891.4	876.0	856.5	829.6	796.2	759.4
-50°	783.0	801.2	811.1	813.2	811.1	801.2	783.0	761.1	733.7	699.4	661.7
-52.5°	682.1	694.1	698.1	696.0	698.1	694.1	682.1	667.8	650.2	626.2	600.0
-55°	632.0	641.8	646.0	646.9	646.0	641.8	632.0	621.8	610.9	591.1	568.0
-57.5°	619.8	628.6	631.3	631.4	631.3	628.6	619.8	610.8	601.4	581.2	559.9
-60°	614.0	625.0	627.1	625.4	627.1	625.0	614.0	602.7	591.2	569.5	543.6
-62.5°	576.4	590.4	594.9	594.3	594.9	590.4	576.4	560.0	541.5	512.6	479.1
-65°	451.1	461.4	466.7	468.8	466.7	461.4	451.1	438.3	423.2	401.6	374.8
-67.5°	320.8	328.0	330.3	330.1	330.3	328.0	320.8	311.6	300.4	285.1	265.9
-70°	209.2	214.7	215.3	214.1	215.3	214.7	209.2	202.4	194.4	184.8	173.4
-72.5°	128.4	132.2	131.8	130.3	131.8	132.2	128.4	123.9	118.8	113.1	106.8
-75°	73.8	75.7	75.2	74.1	75.2	75.7	73.8	71.6	68.9	65.7	61.9
-77.5°	43.1	45.0	45.3	45.4	45.3	45.0	43.1	41.1	39.0	36.7	33.9
-80°	26.6	27.4	27.5	27.5	27.5	27.4	26.6	25.7	24.9	23.8	22.3
-82.5°	18.4	19.0	19.1	19.1	19.1	19.0	18.4	17.7	16.9	16.2	15.1
-85°	13.7	14.4	14.4	14.4	14.4	14.4	13.7	13.1	12.4	11.7	10.7
-87.5°	9.3	9.6	9.6	9.6	9.6	9.6	9.3	9.0	8.6	8.3	7.4
-90°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.8	4.2	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8
87.5°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3	3.6
85°	2.3	2.4	2.4	2.6	2.8	3.0	3.2	3.2	3.3	3.4	3.6
82.5°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
80°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.7	3.6	3.6	3.7
77.5°	2.9	3.0	3.1	3.1	3.2	3.4	3.7	4.0	4.2	4.3	4.3
75°	3.1	3.4	3.6	3.7	3.7	3.6	3.7	4.0	4.3	4.6	4.8
72.5°	4.2	4.4	4.6	4.6	4.5	4.5	4.7	4.9	5.0	4.9	4.8
70°	5.7	6.2	6.7	7.1	7.2	7.2	7.0	6.9	6.7	6.7	6.2
67.5°	6.9	7.3	8.4	9.7	10.4	10.8	10.6	10.0	9.5	9.1	8.1
65°	7.8	8.3	10.0	11.5	12.9	14.1	15.3	15.2	14.5	12.9	10.3
62.5°	7.7	8.3	9.5	11.0	12.9	16.0	19.7	21.0	20.9	18.1	14.3
60°	6.7	7.4	8.7	9.9	11.2	15.4	21.7	26.1	28.6	24.2	18.4
57.5°	5.8	6.4	7.5	8.8	10.4	15.1	21.8	29.7	34.8	28.4	22.4
55°	5.9	6.3	6.8	7.6	8.8	13.4	19.3	26.6	32.3	30.5	23.9
52.5°	7.1	7.1	7.1	7.1	8.2	11.2	15.5	22.1	25.6	25.1	23.0
50°	8.3	8.5	8.5	8.2	8.7	9.6	12.4	17.2	19.1	20.1	19.3
47.5°	11.7	11.5	10.7	10.3	10.5	10.4	11.4	12.7	15.4	15.7	16.0
45°	17.5	17.0	15.6	15.0	14.1	13.5	12.6	14.0	14.6	15.2	13.4
42.5°	27.4	25.6	23.8	22.9	21.0	19.1	17.6	18.0	17.7	16.9	16.4
40°	43.4	37.9	35.6	33.8	31.4	27.5	26.6	24.4	23.2	21.2	21.8
37.5°	76.6	58.9	55.3	47.7	44.3	42.0	39.1	35.1	30.5	32.4	32.2
35°	146.3	120.4	96.6	77.7	62.4	65.1	57.2	49.3	46.4	49.0	46.7
32.5°	258.0	256.1	187.9	145.3	127.5	108.9	89.7	69.8	77.0	75.3	66.5
30°	540.2	577.3	443.4	323.7	295.3	209.9	141.9	130.4	124.6	110.4	92.1
27.5°	1424.6	1272.2	1042.0	818.8	603.1	433.2	280.2	207.1	186.1	160.6	130.9
25°	2770.2	2474.9	1963.7	1571.8	1222.4	748.0	479.4	338.8	265.1	222.8	183.4
22.5°	4288.2	3665.2	2976.3	2388.8	1860.1	1233.4	764.1	490.8	354.1	296.0	245.5
20°	6026.3	4942.3	4044.5	3274.4	2482.2	1688.1	1083.1	733.8	501.8	377.7	308.9
17.5°	8925.8	6542.0	5460.7	4366.6	3283.5	2266.5	1671.6	1118.6	661.5	463.0	371.9
15°	12834.3	9815.4	7737.4	5916.3	4484.2	3475.5	2512.6	1608.6	887.6	580.4	450.0
12.5°	19447.8	14439.8	10646.5	8177.4	6519.2	5006.1	3610.1	2334.4	1276.1	733.9	545.3
10°	25803.1	19335.7	14449.6	11195.4	8827.2	6743.4	4730.1	2983.4	1628.0	893.4	636.8
7.5°	31949.3	23956.9	18003.5	13761.9	10616.1	7987.0	5640.7	3581.1	1934.7	1049.2	723.9
5°	36941.7	27316.5	20137.2	15023.7	11809.5	9072.6	6495.1	4141.8	2192.8	1196.7	806.1
2.5°	39926.1	29358.8	21754.2	15924.2	12653.8	9822.3	7114.7	4488.2	2313.4	1275.6	852.1
0°	40961.0	30400.5	21807.3	15958.4	12602.9	9894.3	7389.1	4599.2	2336.7	1323.8	892.1
-2.5°	40581.0	29672.4	21417.4	15554.4	12276.2	9481.2	7049.0	4619.2	2467.3	1373.6	922.5
-5°	38771.4	27641.7	19966.0	14619.7	11589.6	8994.9	6689.1	4522.1	2526.8	1396.8	946.3
-7.5°	35919.8	25585.1	18198.8	13455.8	10737.2	8415.9	6305.5	4323.4	2496.2	1380.6	950.1
-10°	32207.0	23660.3	17239.6	13110.6	10229.3	7788.1	5866.9	4044.3	2369.1	1334.0	946.7
-12.5°	29509.9	21733.5	16075.2	12744.6	10098.0	7658.6	5609.4	3717.8	2134.5	1254.6	935.9
-15°	25895.5	19755.7	15337.9	12254.9	9771.9	7352.7	5278.4	3314.4	1770.7	1130.8	917.4
-17.5°	21916.8	17504.5	14014.2	11085.9	8755.5	6807.3	4734.3	2849.5	1508.7	1002.8	869.2
-20°	17659.6	14713.1	12068.1	9550.9	7355.1	5512.7	3838.2	2224.0	1283.0	936.9	815.1



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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°	14065.3	11845.6	9581.1	7587.8	5773.1	4176.8	2761.4	1558.8	1002.5	864.4	752.8
-25°	10511.7	8917.0	7107.3	5715.1	4227.8	2845.6	1798.4	1192.8	900.0	788.8	683.1
-27.5°	7695.3	6397.1	5238.7	4140.6	2955.6	1925.9	1245.3	900.0	807.2	712.1	614.2
-30°	5789.5	4862.8	3876.8	2920.1	2033.8	1293.2	911.3	802.4	725.5	642.0	555.0
-32.5°	4321.4	3536.6	2709.8	1961.3	1323.3	958.1	808.1	714.8	652.9	580.4	513.5
-35°	2983.9	2366.4	1721.0	1274.2	936.9	822.2	738.0	662.8	588.7	525.9	476.8
-37.5°	1868.3	1429.5	1147.0	896.2	822.2	749.9	682.5	607.7	533.6	487.1	444.7
-40°	1183.4	945.9	875.0	808.5	749.4	691.5	619.5	547.9	498.4	451.9	414.8
-42.5°	893.9	840.5	787.5	737.4	682.4	617.2	554.6	507.8	463.8	423.7	392.1
-45°	803.1	759.9	714.0	660.0	601.7	553.9	509.7	469.7	431.7	402.2	371.8
-47.5°	717.3	673.0	625.8	585.2	545.1	505.8	470.0	434.6	411.3	383.7	345.1
-50°	627.2	597.8	564.9	530.1	498.5	465.9	441.1	418.5	391.4	356.6	315.7
-52.5°	572.7	548.5	520.9	489.5	466.9	448.1	426.5	396.0	364.3	323.0	278.7
-55°	541.2	520.2	500.5	478.9	453.5	426.1	397.7	363.8	323.2	281.7	241.4
-57.5°	538.7	514.9	486.3	455.9	423.6	389.0	352.6	315.5	277.9	240.2	203.1
-60°	516.2	487.4	448.3	409.1	370.1	334.1	299.3	264.9	231.0	197.2	164.3
-62.5°	446.3	415.0	378.4	341.0	306.0	273.8	242.1	210.4	181.0	152.9	126.3
-65°	347.3	319.2	290.0	261.6	232.9	204.0	177.0	154.7	134.0	112.2	90.0
-67.5°	245.9	225.1	202.6	180.6	162.2	144.3	126.9	108.7	93.9	81.2	68.3
-70°	161.3	148.5	134.8	120.7	109.0	98.5	87.2	76.1	65.5	55.8	45.9
-72.5°	100.1	92.9	85.2	77.2	69.0	61.7	54.3	46.6	38.8	30.9	25.0
-75°	57.6	52.6	47.2	42.0	36.5	30.7	27.2	24.9	22.5	20.1	17.6
-77.5°	31.1	28.3	25.8	24.0	22.0	19.8	17.6	16.1	15.1	14.1	13.1
-80°	20.7	19.1	17.5	16.2	14.9	13.6	12.4	11.7	11.1	10.6	10.1
-82.5°	14.0	12.9	11.8	11.0	10.3	9.5	8.8	8.6	8.3	8.0	7.6
-85°	9.7	8.7	7.7	7.3	7.0	6.6	6.3	6.2	6.1	5.9	5.8
-87.5°	6.5	5.6	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8
-90°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3	3.6





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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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8
85°	3.7	3.8	3.8	3.8	4.0	4.2	4.5	4.8	4.8	4.8	4.8
82.5°	3.9	4.2	4.4	4.5	4.5	4.5	4.6	4.8	4.8	4.8	4.8
80°	4.0	4.3	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0
77.5°	4.3	4.4	4.6	4.8	4.8	4.8	4.8	4.9	5.1	5.3	5.3
75°	4.8	4.7	4.7	4.8	4.9	4.8	4.8	4.9	5.2	5.5	5.6
72.5°	4.8	4.8	4.8	4.9	5.1	5.1	5.0	4.9	5.2	5.5	5.8
70°	5.6	5.0	4.8	5.0	5.3	5.5	5.5	5.3	5.3	5.5	5.8
67.5°	7.2	6.5	5.7	5.2	5.3	5.6	5.9	5.7	5.5	5.6	5.9
65°	9.1	8.0	7.1	6.2	5.7	5.7	6.0	6.0	5.8	5.7	5.9
62.5°	11.4	9.6	8.4	7.2	6.3	5.9	6.0	6.0	6.0	5.9	5.9
60°	14.0	11.2	9.6	8.3	7.0	6.1	6.0	6.0	6.0	6.0	6.0
57.5°	16.7	12.5	10.7	9.4	8.1	6.7	6.0	6.0	6.0	6.0	6.0
55°	18.5	14.1	11.8	10.2	9.0	7.6	6.3	6.0	6.0	6.0	6.0
52.5°	18.3	15.2	13.0	10.9	9.5	8.5	7.1	6.0	6.0	6.0	6.0
50°	16.5	15.6	13.7	11.6	10.0	8.9	7.8	6.5	6.0	6.0	6.0
47.5°	15.8	15.8	14.2	12.1	10.3	9.2	8.2	7.1	6.0	6.0	6.0
45°	15.5	16.3	14.9	12.7	10.6	9.6	8.6	7.5	6.4	6.0	6.0
42.5°	15.9	17.1	16.2	13.3	11.7	9.9	8.9	7.8	6.7	6.1	6.0
40°	20.4	18.4	17.9	16.3	13.1	10.3	9.2	8.1	7.0	6.3	6.1
37.5°	26.2	22.5	19.9	21.7	15.9	11.9	9.4	8.3	7.4	6.7	6.3
35°	38.8	29.0	27.4	28.9	22.5	13.7	9.7	8.5	7.8	7.0	6.4
32.5°	54.7	43.5	41.5	37.7	31.0	15.8	10.8	9.1	8.1	7.3	6.6
30°	77.8	70.1	59.3	48.2	40.7	23.5	13.0	9.8	8.5	7.6	6.8
27.5°	113.1	99.6	81.3	64.4	50.8	32.8	15.8	10.8	8.8	7.9	7.0
25°	153.7	133.0	109.3	84.1	62.1	45.6	18.9	12.0	9.4	8.2	7.3
22.5°	203.3	168.9	139.1	106.0	79.1	60.2	25.7	14.4	10.3	8.5	7.5
20°	255.0	206.5	171.3	130.3	99.5	74.5	36.9	17.0	11.2	8.7	7.7
17.5°	308.8	254.4	210.0	159.1	120.5	89.9	48.7	19.5	12.1	9.0	7.9
15°	381.4	315.7	252.2	189.6	140.5	106.1	61.0	22.1	13.1	9.2	8.2
12.5°	458.0	379.6	297.0	221.1	159.4	122.7	73.5	24.6	14.1	9.9	8.4
10°	533.9	445.0	343.2	253.0	177.4	139.4	85.8	28.0	16.4	10.9	8.7
7.5°	608.5	510.4	389.7	284.4	196.6	161.2	106.0	33.7	19.0	12.1	8.9
5°	675.9	568.7	435.6	322.7	227.1	188.0	127.2	39.4	21.5	13.2	9.2
2.5°	718.7	613.9	478.6	359.6	257.0	213.7	147.6	45.0	24.0	14.4	9.4
0°	757.0	654.1	517.8	393.4	285.8	238.0	166.2	50.2	26.3	15.5	9.6
-2.5°	781.3	677.7	539.2	420.3	315.6	264.7	188.8	65.0	34.8	20.0	11.5
-5°	801.6	696.1	557.2	444.2	344.0	289.4	208.1	78.9	43.0	24.3	13.2
-7.5°	809.0	699.8	566.5	463.2	370.8	311.9	223.8	91.6	50.5	28.3	14.9
-10°	809.0	692.0	563.5	462.9	377.3	321.5	233.2	102.7	57.2	31.8	16.3
-12.5°	803.3	678.9	557.7	459.4	378.5	318.9	226.4	110.1	62.9	34.7	17.5
-15°	791.3	660.5	549.5	452.7	377.7	314.6	217.9	114.9	67.3	37.1	18.5
-17.5°	767.0	636.9	539.0	442.7	374.8	308.7	208.3	118.1	70.5	39.1	19.5
-20°	709.9	602.8	526.2	429.5	369.7	301.3	197.7	119.6	72.5	40.2	20.5



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	649.7	563.5	493.6	420.9	361.3	292.5	186.7	119.3	73.2	40.5	21.1
-25°	587.9	523.4	458.4	401.0	349.2	276.0	180.3	117.2	72.4	39.8	21.4
-27.5°	538.2	483.3	424.4	381.1	329.3	260.1	177.0	116.0	70.7	38.1	21.2
-30°	493.4	446.2	399.8	360.5	309.1	237.4	171.2	113.0	68.7	36.9	20.6
-32.5°	458.5	411.8	378.0	337.5	284.3	214.4	158.9	107.9	65.2	36.2	20.1
-35°	430.5	388.5	356.5	314.6	257.5	196.3	143.7	100.8	60.3	34.8	19.4
-37.5°	403.1	370.8	331.8	288.9	230.8	176.6	129.6	89.8	53.8	32.7	18.2
-40°	383.7	350.1	309.7	260.1	206.7	155.3	114.5	79.0	49.6	30.0	16.7
-42.5°	363.3	325.3	281.6	231.8	181.9	137.5	98.8	67.7	44.9	27.5	14.7
-45°	335.6	296.7	250.8	203.8	156.6	118.6	85.7	56.7	39.7	24.7	13.0
-47.5°	305.1	263.0	219.9	175.3	135.0	100.1	72.1	50.4	34.1	21.3	12.1
-50°	268.8	229.5	189.1	150.2	113.2	84.8	59.7	43.7	29.3	17.1	10.9
-52.5°	235.6	196.7	160.4	125.4	95.1	68.9	51.8	36.7	24.2	14.6	9.6
-55°	201.9	165.5	132.6	102.9	76.6	58.2	43.4	30.3	18.6	12.6	8.2
-57.5°	168.1	134.7	106.6	80.8	62.6	48.5	35.3	23.6	15.4	10.5	8.0
-60°	133.4	105.8	80.5	64.7	51.4	38.7	27.2	17.7	12.6	8.6	7.8
-62.5°	100.6	78.3	64.5	52.1	40.0	28.8	19.4	14.2	9.7	8.3	7.5
-65°	75.5	62.2	50.2	38.8	28.2	20.0	15.1	10.5	8.7	8.0	7.3
-67.5°	56.2	45.1	34.8	25.0	19.6	15.1	10.6	9.1	8.4	7.6	7.3
-70°	36.2	27.1	22.0	18.2	14.2	10.7	9.5	8.6	8.0	7.5	7.3
-72.5°	22.0	19.0	15.8	12.7	11.1	9.8	8.9	8.2	7.7	7.4	7.2
-75°	15.0	13.4	12.1	10.9	9.7	8.9	8.2	7.8	7.4	7.2	6.9
-77.5°	12.0	10.9	9.9	9.2	8.6	8.0	7.6	7.3	7.1	6.8	6.6
-80°	9.5	8.9	8.3	7.9	7.5	7.2	7.0	6.8	6.6	6.4	6.2
-82.5°	7.3	7.1	6.9	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.9
-85°	5.8	5.9	6.0	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5
-87.5°	5.0	5.2	5.3	5.5	5.4	5.4	5.4	5.3	5.3	5.2	5.2
-90°	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	5.1	4.9	4.8	4.8	4.8	4.8	4.8
75°	5.4	5.1	4.8	4.8	4.8	4.8	4.8
72.5°	5.7	5.4	5.0	4.8	4.8	4.8	4.8
70°	6.0	5.6	5.2	4.8	4.8	4.8	4.8
67.5°	6.0	5.9	5.4	5.0	4.8	4.8	4.8
65°	6.0	6.0	5.6	5.1	4.8	4.8	4.8
62.5°	6.0	6.0	5.8	5.3	4.8	4.8	4.8
60°	6.0	6.0	6.0	5.4	4.8	4.8	4.8
57.5°	6.0	6.0	6.0	5.5	4.9	4.8	4.8
55°	6.0	6.0	6.0	5.7	5.0	4.8	4.8
52.5°	6.0	6.0	6.0	5.8	5.1	4.8	4.8
50°	6.0	6.0	6.0	5.9	5.1	4.8	4.8
47.5°	6.0	6.0	6.0	6.0	5.2	4.8	4.8
45°	6.0	6.0	6.0	6.0	5.3	4.8	4.8
42.5°	6.0	6.0	6.0	6.0	5.4	4.8	4.8
40°	6.0	6.0	6.0	6.0	5.4	4.8	4.8
37.5°	6.0	6.0	6.0	6.0	5.5	4.8	4.8
35°	6.0	6.0	6.0	6.0	5.6	4.8	4.8
32.5°	6.0	6.0	6.0	6.0	5.6	4.8	4.8
30°	6.2	6.0	6.0	6.0	5.7	4.8	4.8
27.5°	6.3	6.0	6.0	6.0	5.7	4.8	4.8
25°	6.4	6.0	6.0	6.0	5.8	4.8	4.8
22.5°	6.6	6.0	6.0	6.0	5.8	4.8	4.8
20°	6.7	6.1	6.0	6.0	5.9	4.8	4.8
17.5°	6.9	6.2	6.0	6.0	5.9	4.8	4.8
15°	7.0	6.3	6.0	6.0	5.9	4.8	4.8
12.5°	7.1	6.5	6.0	6.0	5.9	4.8	4.8
10°	7.1	6.6	6.0	6.0	6.0	4.8	4.8
7.5°	7.2	6.8	6.0	6.0	6.0	4.8	4.8
5°	7.2	6.9	6.0	6.0	6.0	4.8	4.8
2.5°	7.2	7.1	6.0	6.0	6.0	4.8	4.8
0°	7.2	7.2	6.0	6.0	6.0	4.8	4.8
-2.5°	7.8	7.2	6.0	6.0	6.0	4.8	4.8
-5°	8.5	7.2	6.0	6.0	6.0	4.8	4.8
-7.5°	9.0	7.1	6.0	6.0	6.0	4.8	4.8
-10°	9.5	7.1	6.0	6.0	6.0	4.8	4.8
-12.5°	9.9	7.1	6.0	6.0	5.9	4.8	4.8
-15°	10.2	7.0	6.0	6.0	5.9	4.8	4.8
-17.5°	10.4	6.9	6.0	6.0	5.9	4.8	4.8
-20°	10.6	6.8	6.0	6.0	5.9	4.8	4.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.0	6.7	6.0	6.0	5.8	4.8	4.8
-25°	11.2	6.8	6.0	6.0	5.8	4.8	4.8
-27.5°	11.1	6.9	6.0	6.0	5.7	4.8	4.8
-30°	10.8	7.0	6.0	6.0	5.7	4.8	4.8
-32.5°	10.2	6.9	6.1	6.0	5.6	4.8	4.8
-35°	9.9	6.8	6.1	6.0	5.6	4.8	4.8
-37.5°	9.8	6.6	6.2	6.0	5.5	4.8	4.8
-40°	9.5	6.7	6.2	6.0	5.4	4.8	4.8
-42.5°	9.0	6.7	6.2	6.0	5.4	4.8	4.8
-45°	8.4	6.7	6.3	6.0	5.3	4.8	4.8
-47.5°	7.6	6.7	6.3	6.1	5.2	4.8	4.8
-50°	7.4	6.7	6.3	6.0	5.1	4.8	4.8
-52.5°	7.4	6.6	6.4	5.9	5.1	4.8	4.8
-55°	7.3	6.6	6.4	5.8	5.0	4.8	4.8
-57.5°	7.1	6.7	6.4	5.7	4.9	4.8	4.8
-60°	7.0	6.7	6.4	5.6	4.8	4.8	4.8
-62.5°	7.0	6.7	6.3	5.5	4.8	4.8	4.8
-65°	7.0	6.8	6.1	5.3	4.8	4.8	4.8
-67.5°	7.1	6.7	5.9	5.2	4.8	4.8	4.8
-70°	7.1	6.4	5.8	5.1	4.8	4.8	4.8
-72.5°	6.9	6.2	5.6	5.0	4.8	4.8	4.8
-75°	6.6	6.0	5.4	5.0	4.8	4.8	4.8
-77.5°	6.3	5.8	5.3	5.0	4.8	4.8	4.8
-80°	6.0	5.6	5.2	4.9	4.8	4.8	4.8
-82.5°	5.7	5.4	5.1	4.9	4.8	4.8	4.8
-85°	5.4	5.2	5.0	4.9	4.8	4.8	4.8
-87.5°	5.1	5.0	4.9	4.8	4.8	4.8	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(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

