

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: P701465 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-2S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701465 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-70-2S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

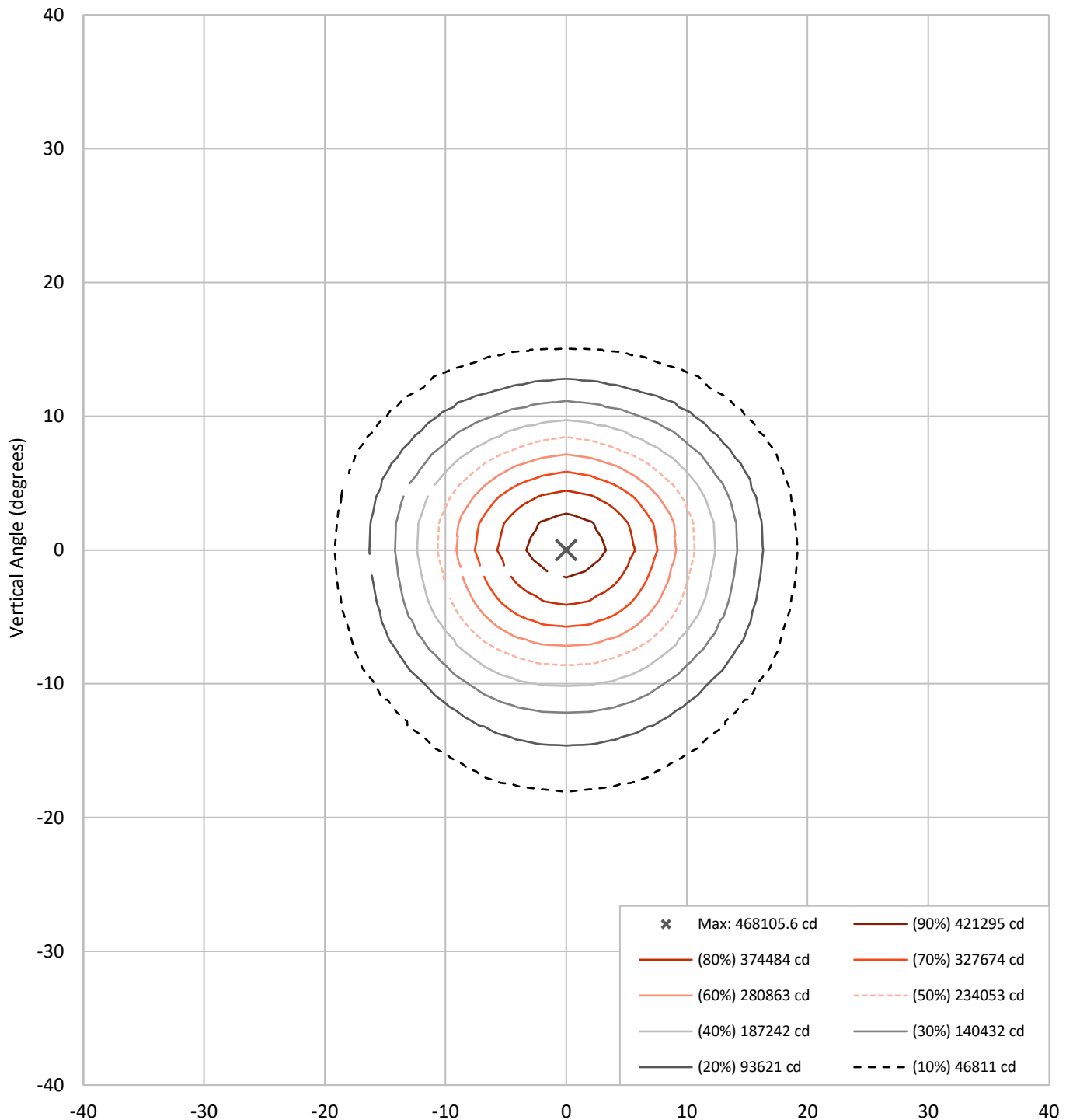
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63137.8 lumens	Max Intensity:	468105.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	27630.6 lumens	Field Lumens:	53481.1 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 666.2  
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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### Iso-Candela Plot





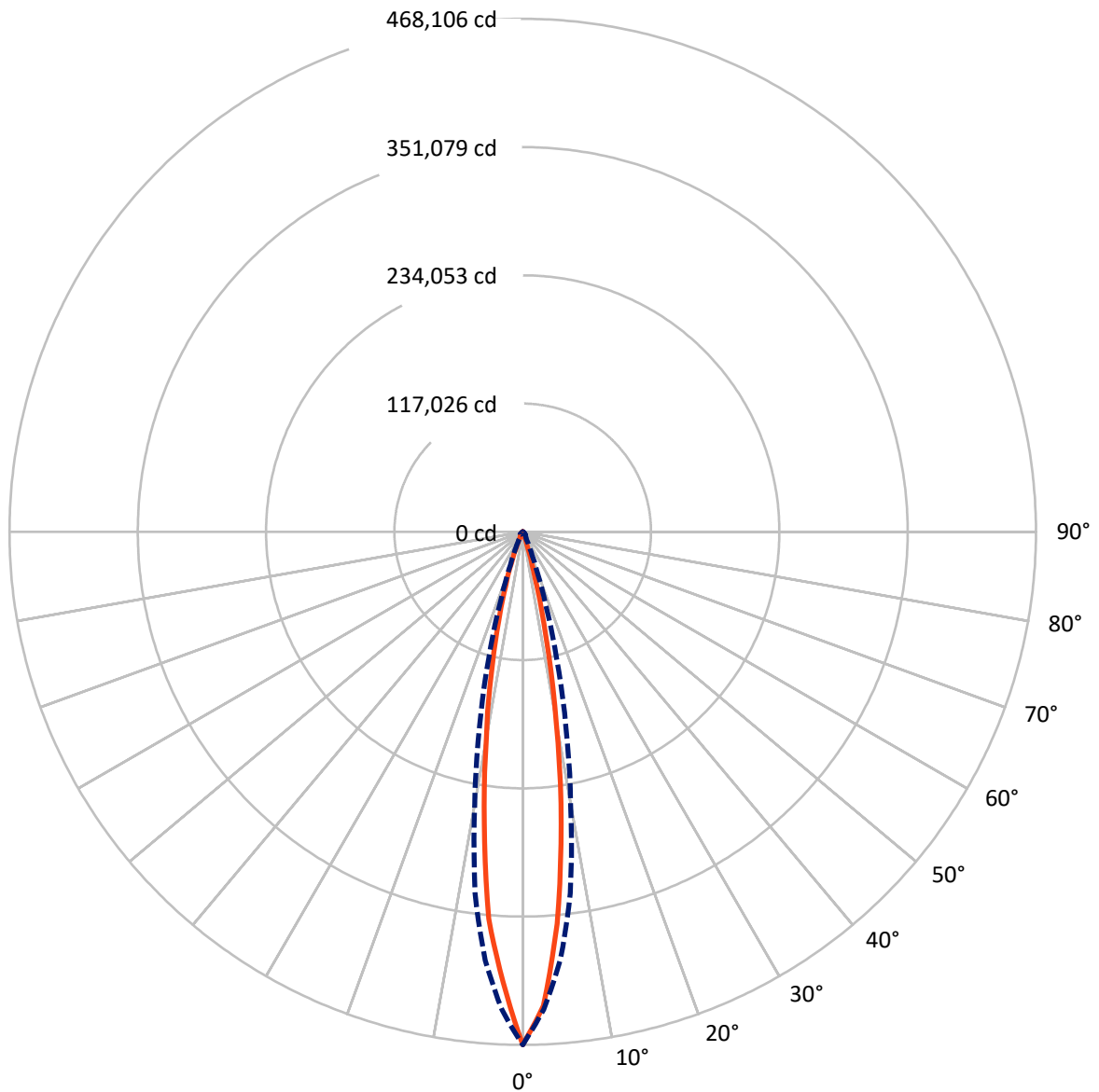
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### Lumen Table

90	0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2	
80	0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2	
70	0.2	0.1	0.2	0.7	0.8	0.4	0.2	0.2	0.2	0.2	0.4	0.8	0.7	0.2	0.1	0.2	0.2	0.2
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1			
50	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2
40		0.3	0.6	0.9	1.7	2.3	2.7	3.1	3.1	2.7	2.3	1.7	0.9	0.6	0.3			
30	0.3	0.5	1.6	4.0	7.9	10.1	17.9	37.9	37.9	17.9	10.1	7.9	4.0	1.6	0.5	0.3	0.3	0.3
20		1.2	5.8	19.4	40.5	73.6	508.0	1564.6	1564.6	508.0	73.6	40.5	19.4	5.8	1.2			
10	0.4	2.2	12.0	47.2	94.6	300.4	2932.6	8717.6	8717.6	2932.6	300.4	94.6	47.2	12.0	2.2	0.4	0.4	0.4
0		2.9	14.3	55.2	108.0	313.4	2993.4	8764.5	8764.5	2993.4	313.4	108.0	55.2	14.3	2.9			
-10	0.7	3.1	12.5	41.2	83.4	135.3	826.6	2455.5	2455.5	826.6	135.3	83.4	41.2	12.5	3.1	0.7	0.7	0.7
-20		3.0	10.5	24.4	62.1	88.1	133.2	279.5	279.5	133.2	88.1	62.1	24.4	10.5	3.0			
-30	0.6	2.7	8.5	16.9	38.0	72.7	92.5	99.4	99.4	92.5	72.7	38.0	16.9	8.5	2.7	0.6	0.6	0.6
-40		1.8	6.3	13.6	23.0	37.2	60.4	78.5	78.5	60.4	37.2	23.0	13.6	6.3	1.8			
-50	0.4	0.9	3.7	8.6	15.5	22.6	28.0	31.1	31.1	28.0	22.6	15.5	8.6	3.7	0.9	0.4	0.4	0.4
-60		0.4	1.3	3.6	6.9	10.7	14.4	16.8	16.8	14.4	10.7	6.9	3.6	1.3	0.4			
-70	0.2	1.2	3.2	7.9	12.3	7.9	3.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-80		1.2	3.2	7.9	12.3	7.9	3.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
-90	0.2		1.2		3.2		7.9		12.3		7.9		3.2		1.2		0.2	

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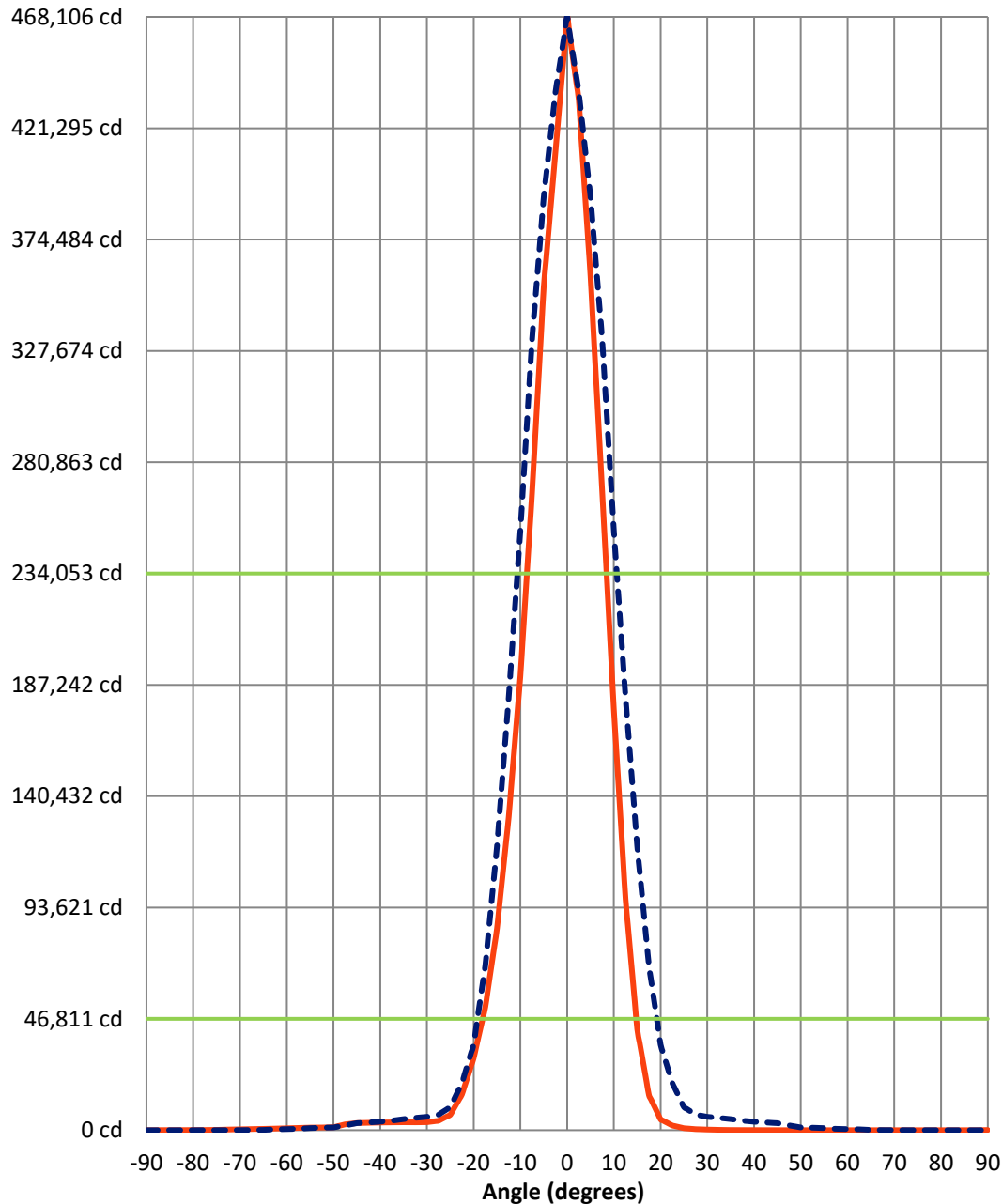
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.3°  
 V Angle: 17°  
 Lumens: 27630.6  
 Efficiency: 43.8%

**Field:**  
 H Angle: 38.4°  
 V Angle: 32.9°  
 Lumens: 53481.1  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 9656.7  
 Efficiency: 15.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.8	7.8	7.8	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.1	6.9	6.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.5	7.5	7.5
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	8.0	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	8.0	8.1	7.9	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	8.2	8.2	8.0	7.8	7.8	7.8	7.9
67.5°	7.8	7.8	7.8	8.0	8.4	8.4	8.0	7.8	7.8	8.1	8.0
65°	7.8	7.8	7.8	8.2	8.6	8.5	8.1	7.8	8.2	8.4	8.2
62.5°	7.8	7.8	7.8	8.4	8.8	8.5	8.1	8.1	8.7	8.7	8.3
60°	7.8	7.8	7.8	8.6	9.0	8.6	8.2	8.6	9.1	8.8	8.4
57.5°	7.8	7.8	7.9	8.8	9.0	8.6	8.6	9.2	9.3	8.9	9.0
55°	7.8	7.8	8.1	9.0	9.1	8.7	9.1	9.8	9.4	9.1	9.8
52.5°	7.8	7.8	8.2	9.2	9.1	8.8	9.6	9.9	9.5	9.9	10.6
50°	7.8	7.8	8.3	9.4	9.2	9.2	10.1	10.1	9.7	10.6	12.2
47.5°	7.8	7.8	8.5	9.6	9.2	9.6	10.5	10.3	10.4	11.3	13.6
45°	7.8	7.8	8.6	9.6	9.3	10.0	10.7	10.6	11.1	12.2	14.7
42.5°	7.8	7.8	8.7	9.7	9.4	10.4	11.0	11.1	11.8	12.8	16.2
40°	7.8	7.8	8.8	9.7	9.5	10.7	11.3	11.7	12.6	13.3	17.7
37.5°	7.8	7.8	8.9	9.8	9.8	11.1	11.7	12.4	13.5	14.7	19.0
35°	7.8	7.8	9.0	9.8	10.1	11.4	12.0	13.0	14.6	16.8	19.7
32.5°	7.8	7.8	9.1	9.9	10.4	11.7	12.4	13.6	15.7	18.9	21.3
30°	7.8	7.8	9.2	10.0	10.6	12.0	12.9	14.2	16.9	21.0	23.3
27.5°	7.8	7.8	9.3	10.1	10.9	12.3	13.4	15.2	18.3	23.1	25.6
25°	7.8	7.8	9.3	10.2	11.1	12.6	13.9	16.2	20.1	25.1	28.3
22.5°	7.8	7.8	9.4	10.4	11.2	12.9	14.3	17.2	21.8	27.2	33.7
20°	7.8	7.8	9.5	10.5	11.4	13.0	14.8	18.2	23.5	29.4	39.6
17.5°	7.8	7.8	9.5	10.6	11.5	13.2	15.1	19.2	25.1	31.7	46.0
15°	7.8	7.8	9.6	10.8	11.6	13.3	15.5	20.1	26.6	34.2	52.7
12.5°	7.8	7.8	9.6	11.0	11.6	13.4	15.9	20.8	28.2	36.6	59.6
10°	7.8	7.8	9.6	11.1	11.7	13.5	16.2	21.5	29.7	40.7	67.7
7.5°	7.8	7.8	9.7	11.3	11.7	13.5	16.6	22.1	31.2	45.2	78.5
5°	7.8	7.8	9.7	11.4	11.7	13.6	16.9	22.6	32.6	49.7	89.3
2.5°	7.8	7.8	9.7	11.6	11.7	13.6	17.2	23.0	33.9	54.2	99.5
0°	7.8	7.8	9.7	11.7	11.7	13.6	17.5	23.4	35.1	58.4	109.1
-2.5°	7.8	7.8	9.8	11.8	12.0	14.0	19.0	27.9	44.2	72.3	126.7
-5°	7.8	7.9	9.9	11.9	12.4	14.4	20.5	32.3	52.9	85.5	143.1
-7.5°	7.8	7.9	9.9	12.0	12.7	14.8	21.8	36.3	61.0	97.8	158.1
-10°	7.8	8.0	10.0	12.1	13.0	15.2	23.0	39.9	68.3	109.1	171.6
-12.5°	7.8	8.0	10.0	12.2	13.3	15.5	23.9	42.9	74.6	119.0	183.1
-15°	7.8	8.0	10.1	12.2	13.6	15.8	24.7	45.2	80.2	127.5	192.6
-17.5°	7.8	8.1	10.1	12.3	13.8	16.1	25.1	47.6	85.3	134.5	200.0
-20°	7.8	8.1	10.2	12.3	14.1	16.4	25.6	49.7	89.1	140.1	205.2



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	10.2	12.4	14.2	16.6	26.2	50.8	91.5	144.1	208.1
-25°	7.8	8.2	10.2	12.4	14.4	17.0	26.3	50.7	92.5	146.5	208.6
-27.5°	7.8	8.2	10.2	12.4	14.5	17.4	25.9	49.4	91.9	147.2	210.4
-30°	7.8	8.2	10.2	12.4	14.5	17.6	24.9	46.9	90.2	146.1	210.1
-32.5°	7.8	8.2	10.2	12.3	14.6	17.7	23.3	45.2	87.2	142.9	207.6
-35°	7.8	8.2	10.1	12.3	14.6	17.7	22.8	43.3	82.3	137.6	202.7
-37.5°	7.8	8.3	10.1	12.3	14.6	17.6	22.8	40.5	75.5	129.9	188.4
-40°	7.8	8.3	10.1	12.2	14.6	17.6	22.6	36.7	66.8	120.4	171.9
-42.5°	7.8	8.3	10.0	12.1	14.5	17.5	22.1	32.1	59.9	105.3	153.7
-45°	7.8	8.3	10.0	12.1	14.4	17.3	21.5	28.6	53.5	88.6	133.9
-47.5°	7.8	8.3	9.9	12.0	14.3	17.1	20.6	27.6	45.8	71.0	114.0
-50°	7.8	8.3	9.8	11.8	14.1	16.9	20.2	26.2	36.2	60.1	93.0
-52.5°	7.8	8.3	9.7	11.7	13.9	16.6	19.8	24.6	31.5	48.6	71.8
-55°	7.8	8.2	9.6	11.5	13.7	16.3	19.4	22.9	29.0	36.6	58.3
-57.5°	7.8	8.2	9.5	11.3	13.4	15.9	18.8	22.2	26.4	31.7	44.3
-60°	7.8	8.2	9.4	11.1	13.1	15.5	18.3	21.4	24.1	28.9	33.5
-62.5°	7.8	8.2	9.4	10.9	12.8	15.0	17.6	20.4	22.9	26.0	30.5
-65°	7.8	8.2	9.3	10.7	12.4	14.5	16.9	19.4	21.6	24.2	27.4
-67.5°	7.8	8.1	9.1	10.4	12.0	13.9	16.2	18.4	20.2	22.5	25.1
-70°	7.8	8.1	9.0	10.2	11.6	13.3	15.4	17.5	19.3	20.7	23.0
-72.5°	7.8	8.1	8.9	9.9	11.2	12.7	14.5	16.5	18.3	19.8	21.0
-75°	7.8	8.0	8.7	9.7	10.7	12.1	13.6	15.5	17.4	18.9	20.3
-77.5°	7.8	8.0	8.6	9.5	10.4	11.4	12.7	14.4	16.2	17.9	19.5
-80°	7.8	8.0	8.4	9.3	10.1	10.9	11.8	13.3	15.0	16.5	18.1
-82.5°	7.8	7.9	8.3	9.0	9.7	10.5	11.2	12.4	13.7	15.1	16.6
-85°	7.8	7.9	8.1	8.8	9.4	10.1	10.7	11.7	12.7	13.8	15.0
-87.5°	7.8	7.8	8.0	8.5	9.1	9.7	10.2	10.9	11.7	12.5	13.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8





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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°	11.7	11.7	11.7	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.2	6.8	6.4	6.1	6.1	6.1	6.0	5.8	5.6	5.4	5.2
82.5°	7.5	7.3	7.2	7.2	7.1	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.7	7.8	7.8	7.8	7.4	6.9	6.4	5.9	5.8	5.9	5.9
77.5°	7.8	7.8	7.8	7.8	7.4	7.1	6.9	6.9	6.9	6.7	6.4
75°	7.8	7.8	7.8	7.8	7.7	7.7	7.8	7.8	7.6	7.5	7.5
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.4	11.6	13.0
70°	7.8	7.8	7.8	7.8	7.8	8.5	11.3	15.1	18.9	21.1	23.6
67.5°	7.8	7.8	7.8	8.2	10.2	13.3	17.6	25.9	35.2	37.9	37.8
65°	7.8	7.8	8.8	10.7	13.3	19.9	28.8	39.7	48.1	46.7	43.4
62.5°	7.8	8.7	10.5	13.9	19.4	27.5	35.9	43.8	52.0	49.8	42.4
60°	8.6	9.8	13.4	18.9	24.8	30.5	38.5	43.6	48.0	48.2	37.2
57.5°	9.5	12.0	17.4	23.1	27.7	31.4	34.7	38.6	40.0	39.1	28.5
55°	11.0	15.1	20.8	26.0	29.1	27.4	29.0	29.9	29.4	26.8	18.7
52.5°	13.5	18.0	23.7	27.9	27.9	24.5	21.7	21.8	19.9	16.3	13.9
50°	15.7	20.8	26.3	28.6	26.5	21.0	16.4	15.9	14.6	13.1	11.7
47.5°	17.8	23.4	28.3	29.1	23.7	19.3	15.2	13.8	13.0	12.7	12.1
45°	19.9	25.0	30.1	26.9	22.3	19.1	16.3	13.5	13.9	13.8	13.2
42.5°	21.8	26.0	28.3	25.1	22.8	20.6	18.6	16.7	15.6	15.9	15.8
40°	22.5	26.7	27.0	26.4	24.2	23.5	23.2	21.7	18.5	20.0	20.4
37.5°	22.7	26.3	27.6	29.8	27.4	28.2	29.0	29.5	27.2	25.8	29.6
35°	22.7	26.8	32.4	35.4	33.9	34.7	38.1	39.4	38.5	37.9	45.0
32.5°	23.2	28.2	38.8	42.4	44.8	45.9	48.8	51.5	54.3	58.6	72.1
30°	25.9	34.3	46.5	50.5	58.2	66.5	64.3	65.9	73.0	99.4	122.4
27.5°	31.6	42.5	54.2	62.6	75.2	92.9	95.7	87.9	110.9	151.3	189.0
25°	38.4	68.5	62.6	77.2	101.0	124.9	136.0	141.1	168.2	222.7	265.0
22.5°	52.8	103.2	100.7	93.1	130.8	162.0	189.3	243.7	320.1	337.3	346.4
20°	78.1	137.6	147.4	155.1	175.6	203.8	251.1	381.2	543.9	603.8	541.6
17.5°	108.1	175.2	199.5	235.1	281.7	290.7	329.7	545.3	825.1	922.7	941.6
15°	141.9	215.5	254.9	324.7	395.4	429.2	542.8	810.7	1132.8	1292.3	1402.8
12.5°	178.1	257.7	312.7	421.6	515.1	568.4	811.0	1219.3	1528.5	1714.8	2006.4
10°	215.6	301.3	372.1	523.3	639.0	707.6	1107.2	1641.3	1952.9	2164.7	2540.0
7.5°	254.6	343.2	430.9	627.3	765.0	846.1	1419.0	2067.1	2366.1	2597.1	2975.0
5°	292.1	381.9	483.4	714.7	869.6	965.9	1708.0	2484.8	2767.6	3012.4	3350.9
2.5°	326.4	418.9	534.2	795.0	957.3	1056.4	1872.5	2723.5	3023.4	3314.8	3685.6
0°	356.4	453.8	582.3	868.6	1040.0	1143.2	2006.0	2931.1	3240.8	3558.2	4002.3
-2.5°	360.8	464.3	597.2	861.8	1024.6	1129.9	1971.1	2899.1	3275.6	3646.0	4109.7
-5°	360.6	472.1	608.2	848.3	1004.5	1112.5	1902.5	2825.9	3263.0	3630.2	4065.5
-7.5°	356.4	476.7	614.9	828.3	973.5	1073.6	1770.6	2646.0	3104.2	3427.9	3846.1
-10°	349.3	475.1	605.6	794.3	929.5	1020.9	1602.2	2433.6	2937.2	3221.1	3593.0
-12.5°	340.2	468.3	591.1	758.0	886.4	967.0	1406.8	2192.7	2766.3	3015.8	3320.1
-15°	329.7	459.8	574.0	720.8	846.0	912.7	1186.7	1927.3	2597.6	2856.6	3094.9
-17.5°	318.6	449.8	554.7	683.8	809.8	858.5	949.0	1637.8	2357.5	2683.4	2924.9
-20°	307.5	438.6	533.4	648.4	775.5	822.9	881.6	1359.3	2008.2	2483.4	2738.9



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	297.1	426.3	513.3	619.3	736.9	803.5	848.7	1087.1	1639.5	2259.8	2540.3
-25°	293.0	408.1	496.6	592.3	700.2	785.5	818.2	858.2	1303.5	1898.0	2339.2
-27.5°	292.1	392.8	478.2	563.2	663.7	762.2	796.3	825.8	1052.8	1534.7	2106.4
-30°	288.2	372.1	457.5	534.3	628.7	720.9	779.4	812.0	863.1	1235.4	1711.4
-32.5°	275.6	350.2	433.2	509.5	592.4	681.4	765.5	805.4	847.3	949.7	1348.5
-35°	259.1	330.1	407.2	482.5	555.2	642.9	729.2	800.1	831.7	879.3	1045.5
-37.5°	243.8	307.9	380.5	453.5	523.8	602.9	690.4	769.9	825.0	861.9	921.2
-40°	226.3	283.7	353.7	423.8	491.2	563.3	644.4	726.6	801.0	864.5	910.2
-42.5°	206.7	262.2	325.1	392.9	456.3	524.3	596.2	675.8	760.2	847.2	911.9
-45°	184.6	238.5	295.2	356.7	418.2	482.1	550.1	621.5	707.1	795.8	882.1
-47.5°	160.5	212.3	266.1	318.2	376.5	436.8	500.3	570.2	645.8	729.9	818.6
-50°	135.3	183.5	233.7	281.6	332.2	388.4	447.0	514.0	584.5	658.1	737.7
-52.5°	110.6	152.6	199.0	245.2	290.0	337.9	392.9	453.1	518.0	586.0	652.5
-55°	84.7	122.9	162.7	206.3	249.5	291.0	336.9	391.0	446.7	508.3	567.3
-57.5°	65.0	92.8	128.1	165.4	206.1	246.9	288.0	328.8	377.8	429.0	477.6
-60°	48.7	68.0	94.2	126.8	160.3	198.6	239.1	277.7	315.0	350.4	392.3
-62.5°	34.5	49.5	67.1	89.1	118.7	149.2	184.0	221.0	258.8	289.5	317.5
-65°	31.3	34.7	46.5	62.4	78.3	104.9	132.7	160.2	192.5	222.1	249.8
-67.5°	28.0	31.1	34.2	39.7	53.9	69.2	84.7	109.0	133.0	154.3	175.3
-70°	25.4	27.6	30.3	33.0	35.9	42.4	55.8	69.3	82.8	98.4	117.0
-72.5°	23.0	25.3	27.2	28.8	31.4	34.5	37.8	41.2	48.9	59.8	70.9
-75°	21.4	22.9	24.9	26.6	28.1	29.8	32.0	34.8	37.5	39.8	41.9
-77.5°	20.3	21.3	22.6	24.2	25.4	26.4	27.7	29.2	31.1	33.2	35.4
-80°	18.9	19.5	20.2	21.1	22.0	22.8	23.5	24.3	25.4	26.7	28.2
-82.5°	17.1	17.5	18.0	18.4	18.7	19.1	19.6	20.2	20.8	21.5	22.2
-85°	15.3	15.6	15.9	16.2	16.1	16.0	16.0	16.1	16.4	16.7	17.1
-87.5°	13.5	13.6	13.8	13.9	14.0	13.9	13.8	13.6	13.7	13.8	13.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.6	15.6	15.6	15.6	15.6	20.9	26.3	31.6	37.0	46.2	55.5
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
85°	5.1	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.4	4.9	4.4	3.9	3.5	3.1	2.6	2.1	2.0	1.9
80°	5.8	5.4	4.9	4.4	4.0	3.8	3.7	3.6	3.6	3.7	3.8
77.5°	6.1	5.8	5.3	4.7	4.1	3.9	3.9	3.9	3.9	3.5	3.0
75°	7.6	7.5	7.3	6.8	6.0	5.6	5.3	4.8	4.1	3.8	3.8
72.5°	13.8	13.7	13.0	12.3	10.8	9.8	9.5	9.0	8.5	8.4	8.3
70°	24.5	24.1	22.7	20.0	16.3	13.8	12.7	11.5	10.2	9.6	9.6
67.5°	34.4	30.6	27.0	23.1	18.6	15.1	13.3	11.3	9.3	8.2	8.1
65°	38.2	30.6	25.3	21.1	17.7	14.5	12.0	9.6	7.5	6.5	6.8
62.5°	34.3	25.3	19.7	16.1	13.3	11.3	9.3	7.7	6.4	5.9	5.9
60°	27.3	18.5	13.6	11.3	9.4	7.9	6.9	6.0	5.2	4.6	4.8
57.5°	19.7	13.2	9.6	8.8	7.8	6.4	5.5	5.2	5.1	5.2	5.5
55°	13.3	11.0	9.7	8.7	7.6	6.5	5.8	5.8	5.8	5.8	5.8
52.5°	11.1	10.5	9.9	9.0	7.9	6.8	5.8	5.8	5.8	5.8	5.8
50°	11.2	10.6	10.1	9.4	8.3	7.1	6.0	6.0	6.5	6.9	6.9
47.5°	11.4	10.9	10.5	9.8	8.9	8.4	7.8	8.0	8.7	8.9	8.8
45°	11.9	12.0	11.8	11.7	11.0	11.1	11.2	11.4	13.8	13.7	12.1
42.5°	14.7	15.5	16.4	16.9	14.6	18.9	25.6	28.7	25.2	20.3	17.2
40°	22.0	23.0	27.6	29.9	36.7	43.3	37.3	30.3	27.1	29.4	31.2
37.5°	35.0	41.6	50.6	61.2	56.9	45.3	45.6	45.5	44.3	48.2	48.0
35°	58.7	73.5	82.6	80.6	74.5	71.2	74.4	77.7	70.2	76.9	78.6
32.5°	94.4	112.3	114.6	108.5	108.9	114.7	125.4	123.9	126.3	133.9	142.8
30°	136.3	157.4	165.6	154.4	146.4	160.5	166.5	171.9	189.1	211.7	232.0
27.5°	205.1	220.6	234.6	222.9	199.6	217.1	229.4	225.7	273.3	298.7	355.6
25°	291.5	313.4	321.4	325.7	317.9	314.6	345.4	361.1	426.8	496.5	614.8
22.5°	398.0	457.9	474.8	452.6	477.5	495.1	515.9	586.2	717.6	931.3	1236.5
20°	533.2	655.4	753.7	737.8	679.3	754.1	838.9	1060.6	1444.6	2307.9	3014.4
17.5°	961.3	963.5	1159.9	1238.9	1142.4	1304.9	1720.9	2442.4	4029.4	6941.4	8829.4
15°	1622.7	1666.4	1756.8	1862.6	2036.4	2460.7	3298.9	6322.2	10875.1	17174.5	23638.4
12.5°	2323.9	2422.6	2577.3	2663.9	3018.5	4153.9	7749.5	14369.5	23979.7	36106.7	56223.3
10°	2926.4	3189.3	3388.5	3659.4	4574.1	7240.9	13445.4	24884.2	44256.2	70419.6	101341.8
7.5°	3352.5	3737.1	4074.2	4583.4	6482.8	11858.7	22264.9	41294.6	70555.0	107503.0	150129.0
5°	3781.0	4267.7	4645.6	5316.8	7701.9	15322.4	29170.3	56670.9	98922.3	149220.2	206228.1
2.5°	4216.4	4763.5	5179.9	6010.4	8481.8	17078.6	32673.7	65847.4	117680.0	178923.9	248135.8
0°	4654.7	5172.8	5611.0	6549.7	9693.1	19842.0	35973.8	69349.5	119427.8	181943.3	252196.5
-2.5°	4634.5	4976.6	5377.8	6105.3	8841.8	18265.5	33436.3	65540.0	113058.2	171044.5	234753.6
-5°	4458.3	4698.5	5016.5	5659.4	7910.1	15225.1	28918.1	56024.2	99855.5	152981.1	207895.0
-7.5°	4184.5	4386.1	4623.7	5154.4	6836.2	12117.9	23391.5	44934.3	79213.0	117702.0	159810.7
-10°	3921.9	4077.4	4246.3	4614.0	5694.7	8881.4	16594.6	30447.6	55141.1	83934.8	115980.0
-12.5°	3679.8	3803.8	3893.6	4049.1	4587.4	6433.0	11931.5	21837.9	36023.9	53860.2	77499.9
-15°	3433.2	3538.3	3584.7	3709.5	4061.6	4975.0	7191.5	13423.2	22519.6	34037.9	46024.3
-17.5°	3168.4	3293.3	3363.1	3443.3	3596.7	3975.0	5198.1	7818.3	13317.8	21050.6	28770.7
-20°	2950.6	3097.7	3157.6	3213.3	3354.7	3577.0	3926.1	5104.4	7113.2	11929.2	16729.8



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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°	2740.3	2872.8	2950.7	3070.3	3253.2	3407.1	3521.6	3802.1	4636.5	5950.7	8296.8
-25°	2548.9	2663.7	2817.4	3046.9	3226.0	3336.0	3357.6	3369.5	3607.3	3868.2	4660.4
-27.5°	2356.3	2518.9	2747.8	3006.7	3219.5	3273.1	3276.0	3271.9	3328.6	3368.2	3565.3
-30°	2184.6	2397.6	2613.7	2890.3	3097.3	3184.4	3221.3	3246.8	3276.0	3312.0	3325.1
-32.5°	1834.8	2270.0	2445.0	2666.4	2927.4	3065.3	3134.5	3193.7	3226.0	3257.4	3282.2
-35°	1450.5	1909.8	2327.3	2470.4	2655.7	2889.2	3063.1	3133.9	3193.4	3227.1	3258.5
-37.5°	1090.9	1484.7	1890.7	2271.0	2460.1	2625.3	2847.6	3020.7	3130.0	3173.2	3210.9
-40°	961.3	1063.6	1422.2	1771.2	2104.3	2418.9	2603.7	2812.9	2980.0	3064.7	3130.2
-42.5°	956.4	994.0	1030.5	1275.6	1585.1	1888.5	2175.3	2443.8	2691.7	2860.2	2985.0
-45°	955.3	982.1	1012.7	1049.3	1086.2	1323.0	1588.1	1854.6	2126.6	2381.7	2610.5
-47.5°	893.2	959.8	996.4	1025.7	1050.2	1081.5	1117.2	1184.6	1405.9	1629.0	1852.6
-50°	808.0	874.6	935.6	993.9	1023.5	1043.8	1063.3	1085.5	1113.4	1141.5	1170.2
-52.5°	712.7	775.9	838.0	893.7	941.6	987.7	1031.5	1051.6	1066.3	1080.0	1091.7
-55°	623.7	678.0	730.6	779.9	827.7	872.7	913.7	948.7	981.2	1010.7	1033.8
-57.5°	529.3	580.9	629.9	671.3	711.0	748.7	784.9	818.6	849.0	875.9	898.5
-60°	434.6	477.0	519.9	559.5	597.2	632.8	662.9	690.6	715.9	739.1	760.4
-62.5°	345.4	378.5	414.7	448.0	477.8	506.8	538.8	566.5	590.0	610.5	629.7
-65°	275.4	299.0	325.1	350.2	374.5	402.0	432.3	458.7	481.5	500.6	516.9
-67.5°	198.9	222.0	246.9	269.7	290.7	313.7	341.6	367.8	392.3	412.2	428.1
-70°	133.9	150.3	169.1	189.4	209.8	231.4	255.8	279.4	302.3	320.5	335.6
-72.5°	82.2	93.0	103.7	117.3	131.3	148.0	166.6	185.6	204.5	219.9	233.0
-75°	43.8	47.5	55.6	63.3	70.6	79.8	89.4	98.4	106.6	114.2	121.1
-77.5°	37.4	39.0	40.4	41.7	42.9	46.7	51.3	56.1	61.0	66.1	71.2
-80°	29.8	31.0	32.2	33.4	34.5	37.4	40.5	43.6	46.6	50.1	53.5
-82.5°	23.0	23.6	24.2	24.6	25.1	27.2	29.5	31.7	34.0	36.8	39.5
-85°	17.4	17.6	17.9	18.2	18.4	20.1	21.8	23.4	25.0	28.0	31.0
-87.5°	14.0	13.9	13.9	13.8	13.8	15.9	18.0	20.0	21.9	24.4	26.7
-90°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.4	1.0



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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°	64.7	74.0	78.8	83.7	78.8	74.0	64.7	55.5	46.2	37.0	31.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.6
80°	3.8	3.9	2.9	1.9	2.9	3.9	3.8	3.8	3.7	3.6	3.6
77.5°	2.5	2.0	2.9	3.9	2.9	2.0	2.5	3.0	3.5	3.9	3.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.1	4.8
72.5°	8.1	7.7	7.8	7.8	7.8	7.7	8.1	8.3	8.4	8.5	9.0
70°	9.6	9.6	9.7	9.7	9.7	9.6	9.6	9.6	9.6	10.2	11.5
67.5°	8.0	7.9	6.9	5.8	6.9	7.9	8.0	8.1	8.2	9.3	11.3
65°	7.2	7.7	6.9	5.8	6.9	7.7	7.2	6.8	6.5	7.5	9.6
62.5°	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.4	7.7
60°	5.2	5.7	5.8	5.8	5.8	5.7	5.2	4.8	4.6	5.2	6.0
57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.1	5.2
55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	6.6	6.1	5.8	5.8	5.8	6.1	6.6	6.9	6.9	6.5	6.0
47.5°	8.4	8.0	7.8	7.8	7.8	8.0	8.4	8.8	8.9	8.7	8.0
45°	12.0	11.8	11.6	11.7	11.6	11.8	12.0	12.1	13.7	13.8	11.4
42.5°	17.5	17.4	17.4	17.5	17.4	17.4	17.5	17.2	20.3	25.2	28.7
40°	32.8	33.0	32.3	31.2	32.3	33.0	32.8	31.2	29.4	27.1	30.3
37.5°	47.9	48.2	48.2	48.7	48.2	48.2	47.9	48.0	48.2	44.3	45.5
35°	77.6	75.6	71.4	72.1	71.4	75.6	77.6	78.6	76.9	70.2	77.7
32.5°	148.4	146.4	138.1	144.1	138.1	146.4	148.4	142.8	133.9	126.3	123.9
30°	249.8	259.7	263.9	262.9	263.9	259.7	249.8	232.0	211.7	189.1	171.9
27.5°	384.7	406.6	420.3	428.5	420.3	406.6	384.7	355.6	298.7	273.3	225.7
25°	699.9	754.1	784.9	825.8	784.9	754.1	699.9	614.8	496.5	426.8	361.1
22.5°	1564.9	1761.3	1886.2	1974.8	1886.2	1761.3	1564.9	1236.5	931.3	717.6	586.2
20°	4060.1	4044.0	4369.5	4545.7	4369.5	4044.0	4060.1	3014.4	2307.9	1444.6	1060.6
17.5°	12709.3	14729.2	15241.6	14803.6	15241.6	14729.2	12709.3	8829.4	6941.4	4029.4	2442.4
15°	32668.7	39415.3	42541.8	42498.2	42541.8	39415.3	32668.7	23638.4	17174.5	10875.1	6322.2
12.5°	70445.4	83475.3	91983.1	97129.9	91983.1	83475.3	70445.4	56223.3	36106.7	23979.7	14369.5
10°	127842.3	150163.2	167962.6	176904.8	167962.6	150163.2	127842.3	101341.8	70419.6	44256.2	24884.2
7.5°	189459.6	225575.2	256070.8	268729.5	256070.8	225575.2	189459.6	150129.0	107503.0	70555.0	41294.6
5°	260842.2	318308.0	346849.4	359148.0	346849.4	318308.0	260842.2	206228.1	149220.2	98922.3	56670.9
2.5°	320561.8	377863.0	417755.5	432916.7	417755.5	377863.0	320561.8	248135.8	178923.9	117680.0	65847.4
0°	332515.8	392418.6	436323.9	468105.6	436323.9	392418.6	332515.8	252196.5	181943.3	119427.8	69349.5
-2.5°	307126.0	365656.6	397737.6	411178.7	397737.6	365656.6	307126.0	234753.6	171044.5	113058.2	65540.0
-5°	266995.7	318944.4	348604.5	354561.4	348604.5	318944.4	266995.7	207895.0	152981.1	99855.5	56024.2
-7.5°	204032.7	239993.5	263387.8	268110.2	263387.8	239993.5	204032.7	159810.7	117702.0	79213.0	44934.3
-10°	148381.4	174309.2	189332.8	190958.6	189332.8	174309.2	148381.4	115980.0	83934.8	55141.1	30447.6
-12.5°	99141.3	119457.3	130082.8	131618.7	130082.8	119457.3	99141.3	77499.9	53860.2	36023.9	21837.9
-15°	62126.6	75341.2	83145.1	84836.7	83145.1	75341.2	62126.6	46024.3	34037.9	22519.6	13423.2
-17.5°	38279.3	44963.6	49056.9	51762.9	49056.9	44963.6	38279.3	28770.7	21050.6	13317.8	7818.3
-20°	22382.6	26717.1	29149.6	30255.7	29149.6	26717.1	22382.6	16729.8	11929.2	7113.2	5104.4



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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°	11237.1	13375.5	14832.1	15052.9	14832.1	13375.5	11237.1	8296.8	5950.7	4636.5	3802.1
-25°	5449.8	6045.4	6454.2	6477.7	6454.2	6045.4	5449.8	4660.4	3868.2	3607.3	3369.5
-27.5°	3726.5	3850.3	3930.5	3977.0	3930.5	3850.3	3726.5	3565.3	3368.2	3328.6	3271.9
-30°	3338.9	3357.4	3368.8	3353.7	3368.8	3357.4	3338.9	3325.1	3312.0	3276.0	3246.8
-32.5°	3290.6	3299.2	3305.3	3295.3	3305.3	3299.2	3290.6	3282.2	3257.4	3226.0	3193.7
-35°	3286.8	3310.8	3329.6	3324.5	3329.6	3310.8	3286.8	3258.5	3227.1	3193.4	3133.9
-37.5°	3238.5	3259.6	3273.8	3273.9	3273.8	3259.6	3238.5	3210.9	3173.2	3130.0	3020.7
-40°	3166.8	3195.7	3213.7	3213.5	3213.7	3195.7	3166.8	3130.2	3064.7	2980.0	2812.9
-42.5°	3044.6	3085.1	3104.1	3102.5	3104.1	3085.1	3044.6	2985.0	2860.2	2691.7	2443.8
-45°	2782.2	2912.6	2982.5	2989.5	2982.5	2912.6	2782.2	2610.5	2381.7	2126.6	1854.6
-47.5°	2073.0	2273.9	2397.2	2424.7	2397.2	2273.9	2073.0	1852.6	1629.0	1405.9	1184.6
-50°	1198.8	1225.7	1237.1	1232.8	1237.1	1225.7	1198.8	1170.2	1141.5	1113.4	1085.5
-52.5°	1103.0	1113.9	1122.0	1127.7	1122.0	1113.9	1103.0	1091.7	1080.0	1066.3	1051.6
-55°	1052.6	1067.2	1076.4	1080.9	1076.4	1067.2	1052.6	1033.8	1010.7	981.2	948.7
-57.5°	917.0	931.5	939.5	942.6	939.5	931.5	917.0	898.5	875.9	849.0	818.6
-60°	778.0	792.2	800.5	804.4	800.5	792.2	778.0	760.4	739.1	715.9	690.6
-62.5°	645.9	659.3	667.3	671.9	667.3	659.3	645.9	629.7	610.5	590.0	566.5
-65°	531.4	544.1	551.0	555.1	551.0	544.1	531.4	516.9	500.6	481.5	458.7
-67.5°	442.3	454.9	463.2	469.4	463.2	454.9	442.3	428.1	412.2	392.3	367.8
-70°	349.4	361.7	366.2	368.1	366.2	361.7	349.4	335.6	320.5	302.3	279.4
-72.5°	244.8	255.0	261.8	266.8	261.8	255.0	244.8	233.0	219.9	204.5	185.6
-75°	127.3	132.9	136.9	140.2	136.9	132.9	127.3	121.1	114.2	106.6	98.4
-77.5°	76.2	81.2	83.6	85.7	83.6	81.2	76.2	71.2	66.1	61.0	56.1
-80°	56.8	60.1	61.3	62.3	61.3	60.1	56.8	53.5	50.1	46.6	43.6
-82.5°	42.1	44.7	45.7	46.7	45.7	44.7	42.1	39.5	36.8	34.0	31.7
-85°	34.0	36.9	38.0	39.0	38.0	36.9	34.0	31.0	28.0	25.0	23.4
-87.5°	29.1	31.4	33.2	35.1	33.2	31.4	29.1	26.7	24.4	21.9	20.0
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.3	20.9	15.6	15.6	15.6	15.6	15.6	15.1	14.6	14.1	13.6
87.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.1	5.2	5.4	5.6	5.8
82.5°	3.1	3.5	3.9	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8
80°	3.7	3.8	4.0	4.4	4.9	5.4	5.8	5.9	5.9	5.8	5.9
77.5°	3.9	3.9	4.1	4.7	5.3	5.8	6.1	6.4	6.7	6.9	6.9
75°	5.3	5.6	6.0	6.8	7.3	7.5	7.6	7.5	7.5	7.6	7.8
72.5°	9.5	9.8	10.8	12.3	13.0	13.7	13.8	13.0	11.6	9.4	7.8
70°	12.7	13.8	16.3	20.0	22.7	24.1	24.5	23.6	21.1	18.9	15.1
67.5°	13.3	15.1	18.6	23.1	27.0	30.6	34.4	37.8	37.9	35.2	25.9
65°	12.0	14.5	17.7	21.1	25.3	30.6	38.2	43.4	46.7	48.1	39.7
62.5°	9.3	11.3	13.3	16.1	19.7	25.3	34.3	42.4	49.8	52.0	43.8
60°	6.9	7.9	9.4	11.3	13.6	18.5	27.3	37.2	48.2	48.0	43.6
57.5°	5.5	6.4	7.8	8.8	9.6	13.2	19.7	28.5	39.1	40.0	38.6
55°	5.8	6.5	7.6	8.7	9.7	11.0	13.3	18.7	26.8	29.4	29.9
52.5°	5.8	6.8	7.9	9.0	9.9	10.5	11.1	13.9	16.3	19.9	21.8
50°	6.0	7.1	8.3	9.4	10.1	10.6	11.2	11.7	13.1	14.6	15.9
47.5°	7.8	8.4	8.9	9.8	10.5	10.9	11.4	12.1	12.7	13.0	13.8
45°	11.2	11.1	11.0	11.7	11.8	12.0	11.9	13.2	13.8	13.9	13.5
42.5°	25.6	18.9	14.6	16.9	16.4	15.5	14.7	15.8	15.9	15.6	16.7
40°	37.3	43.3	36.7	29.9	27.6	23.0	22.0	20.4	20.0	18.5	21.7
37.5°	45.6	45.3	56.9	61.2	50.6	41.6	35.0	29.6	25.8	27.2	29.5
35°	74.4	71.2	74.5	80.6	82.6	73.5	58.7	45.0	37.9	38.5	39.4
32.5°	125.4	114.7	108.9	108.5	114.6	112.3	94.4	72.1	58.6	54.3	51.5
30°	166.5	160.5	146.4	154.4	165.6	157.4	136.3	122.4	99.4	73.0	65.9
27.5°	229.4	217.1	199.6	222.9	234.6	220.6	205.1	189.0	151.3	110.9	87.9
25°	345.4	314.6	317.9	325.7	321.4	313.4	291.5	265.0	222.7	168.2	141.1
22.5°	515.9	495.1	477.5	452.6	474.8	457.9	398.0	346.4	337.3	320.1	243.7
20°	838.9	754.1	679.3	737.8	753.7	655.4	533.2	541.6	603.8	543.9	381.2
17.5°	1720.9	1304.9	1142.4	1238.9	1159.9	963.5	961.3	941.6	922.7	825.1	545.3
15°	3298.9	2460.7	2036.4	1862.6	1756.8	1666.4	1622.7	1402.8	1292.3	1132.8	810.7
12.5°	7749.5	4153.9	3018.5	2663.9	2577.3	2422.6	2323.9	2006.4	1714.8	1528.5	1219.3
10°	13445.4	7240.9	4574.1	3659.4	3388.5	3189.3	2926.4	2540.0	2164.7	1952.9	1641.3
7.5°	22264.9	11858.7	6482.8	4583.4	4074.2	3737.1	3352.5	2975.0	2597.1	2366.1	2067.1
5°	29170.3	15322.4	7701.9	5316.8	4645.6	4267.7	3781.0	3350.9	3012.4	2767.6	2484.8
2.5°	32673.7	17078.6	8481.8	6010.4	5179.9	4763.5	4216.4	3685.6	3314.8	3023.4	2723.5
0°	35973.8	19842.0	9693.1	6549.7	5611.0	5172.8	4654.7	4002.3	3558.2	3240.8	2931.1
-2.5°	33436.3	18265.5	8841.8	6105.3	5377.8	4976.6	4634.5	4109.7	3646.0	3275.6	2899.1
-5°	28918.1	15225.1	7910.1	5659.4	5016.5	4698.5	4458.3	4065.5	3630.2	3263.0	2825.9
-7.5°	23391.5	12117.9	6836.2	5154.4	4623.7	4386.1	4184.5	3846.1	3427.9	3104.2	2646.0
-10°	16594.6	8881.4	5694.7	4614.0	4246.3	4077.4	3921.9	3593.0	3221.1	2937.2	2433.6
-12.5°	11931.5	6433.0	4587.4	4049.1	3893.6	3803.8	3679.8	3320.1	3015.8	2766.3	2192.7
-15°	7191.5	4975.0	4061.6	3709.5	3584.7	3538.3	3433.2	3094.9	2856.6	2597.6	1927.3
-17.5°	5198.1	3975.0	3596.7	3443.3	3363.1	3293.3	3168.4	2924.9	2683.4	2357.5	1637.8
-20°	3926.1	3577.0	3354.7	3213.3	3157.6	3097.7	2950.6	2738.9	2483.4	2008.2	1359.3





REPORT NUMBER: P701465 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3521.6	3407.1	3253.2	3070.3	2950.7	2872.8	2740.3	2540.3	2259.8	1639.5	1087.1
-25°	3357.6	3336.0	3226.0	3046.9	2817.4	2663.7	2548.9	2339.2	1898.0	1303.5	858.2
-27.5°	3276.0	3273.1	3219.5	3006.7	2747.8	2518.9	2356.3	2106.4	1534.7	1052.8	825.8
-30°	3221.3	3184.4	3097.3	2890.3	2613.7	2397.6	2184.6	1711.4	1235.4	863.1	812.0
-32.5°	3134.5	3065.3	2927.4	2666.4	2445.0	2270.0	1834.8	1348.5	949.7	847.3	805.4
-35°	3063.1	2889.2	2655.7	2470.4	2327.3	1909.8	1450.5	1045.5	879.3	831.7	800.1
-37.5°	2847.6	2625.3	2460.1	2271.0	1890.7	1484.7	1090.9	921.2	861.9	825.0	769.9
-40°	2603.7	2418.9	2104.3	1771.2	1422.2	1063.6	961.3	910.2	864.5	801.0	726.6
-42.5°	2175.3	1888.5	1585.1	1275.6	1030.5	994.0	956.4	911.9	847.2	760.2	675.8
-45°	1588.1	1323.0	1086.2	1049.3	1012.7	982.1	955.3	882.1	795.8	707.1	621.5
-47.5°	1117.2	1081.5	1050.2	1025.7	996.4	959.8	893.2	818.6	729.9	645.8	570.2
-50°	1063.3	1043.8	1023.5	993.9	935.6	874.6	808.0	737.7	658.1	584.5	514.0
-52.5°	1031.5	987.7	941.6	893.7	838.0	775.9	712.7	652.5	586.0	518.0	453.1
-55°	913.7	872.7	827.7	779.9	730.6	678.0	623.7	567.3	508.3	446.7	391.0
-57.5°	784.9	748.7	711.0	671.3	629.9	580.9	529.3	477.6	429.0	377.8	328.8
-60°	662.9	632.8	597.2	559.5	519.9	477.0	434.6	392.3	350.4	315.0	277.7
-62.5°	538.8	506.8	477.8	448.0	414.7	378.5	345.4	317.5	289.5	258.8	221.0
-65°	432.3	402.0	374.5	350.2	325.1	299.0	275.4	249.8	222.1	192.5	160.2
-67.5°	341.6	313.7	290.7	269.7	246.9	222.0	198.9	175.3	154.3	133.0	109.0
-70°	255.8	231.4	209.8	189.4	169.1	150.3	133.9	117.0	98.4	82.8	69.3
-72.5°	166.6	148.0	131.3	117.3	103.7	93.0	82.2	70.9	59.8	48.9	41.2
-75°	89.4	79.8	70.6	63.3	55.6	47.5	43.8	41.9	39.8	37.5	34.8
-77.5°	51.3	46.7	42.9	41.7	40.4	39.0	37.4	35.4	33.2	31.1	29.2
-80°	40.5	37.4	34.5	33.4	32.2	31.0	29.8	28.2	26.7	25.4	24.3
-82.5°	29.5	27.2	25.1	24.6	24.2	23.6	23.0	22.2	21.5	20.8	20.2
-85°	21.8	20.1	18.4	18.2	17.9	17.6	17.4	17.1	16.7	16.4	16.1
-87.5°	18.0	15.9	13.8	13.8	13.9	13.9	14.0	13.9	13.8	13.7	13.6
-90°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8





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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°	13.1	12.7	12.2	11.7	11.7	11.7	11.7	11.7	11.2	10.7	10.2
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.9	7.1	7.5
85°	6.0	6.1	6.1	6.1	6.4	6.8	7.2	7.5	7.5	7.5	7.6
82.5°	6.3	6.8	7.1	7.2	7.2	7.3	7.5	7.8	7.8	7.8	7.8
80°	6.4	6.9	7.4	7.8	7.8	7.8	7.7	7.8	7.8	7.8	7.8
77.5°	6.9	7.1	7.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	11.3	8.5	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8
67.5°	17.6	13.3	10.2	8.2	7.8	7.8	7.8	8.0	8.1	7.8	7.8
65°	28.8	19.9	13.3	10.7	8.8	7.8	7.8	8.2	8.4	8.2	7.8
62.5°	35.9	27.5	19.4	13.9	10.5	8.7	7.8	8.3	8.7	8.7	8.1
60°	38.5	30.5	24.8	18.9	13.4	9.8	8.6	8.4	8.8	9.1	8.6
57.5°	34.7	31.4	27.7	23.1	17.4	12.0	9.5	9.0	8.9	9.3	9.2
55°	29.0	27.4	29.1	26.0	20.8	15.1	11.0	9.8	9.1	9.4	9.8
52.5°	21.7	24.5	27.9	27.9	23.7	18.0	13.5	10.6	9.9	9.5	9.9
50°	16.4	21.0	26.5	28.6	26.3	20.8	15.7	12.2	10.6	9.7	10.1
47.5°	15.2	19.3	23.7	29.1	28.3	23.4	17.8	13.6	11.3	10.4	10.3
45°	16.3	19.1	22.3	26.9	30.1	25.0	19.9	14.7	12.2	11.1	10.6
42.5°	18.6	20.6	22.8	25.1	28.3	26.0	21.8	16.2	12.8	11.8	11.1
40°	23.2	23.5	24.2	26.4	27.0	26.7	22.5	17.7	13.3	12.6	11.7
37.5°	29.0	28.2	27.4	29.8	27.6	26.3	22.7	19.0	14.7	13.5	12.4
35°	38.1	34.7	33.9	35.4	32.4	26.8	22.7	19.7	16.8	14.6	13.0
32.5°	48.8	45.9	44.8	42.4	38.8	28.2	23.2	21.3	18.9	15.7	13.6
30°	64.3	66.5	58.2	50.5	46.5	34.3	25.9	23.3	21.0	16.9	14.2
27.5°	95.7	92.9	75.2	62.6	54.2	42.5	31.6	25.6	23.1	18.3	15.2
25°	136.0	124.9	101.0	77.2	62.6	68.5	38.4	28.3	25.1	20.1	16.2
22.5°	189.3	162.0	130.8	93.1	100.7	103.2	52.8	33.7	27.2	21.8	17.2
20°	251.1	203.8	175.6	155.1	147.4	137.6	78.1	39.6	29.4	23.5	18.2
17.5°	329.7	290.7	281.7	235.1	199.5	175.2	108.1	46.0	31.7	25.1	19.2
15°	542.8	429.2	395.4	324.7	254.9	215.5	141.9	52.7	34.2	26.6	20.1
12.5°	811.0	568.4	515.1	421.6	312.7	257.7	178.1	59.6	36.6	28.2	20.8
10°	1107.2	707.6	639.0	523.3	372.1	301.3	215.6	67.7	40.7	29.7	21.5
7.5°	1419.0	846.1	765.0	627.3	430.9	343.2	254.6	78.5	45.2	31.2	22.1
5°	1708.0	965.9	869.6	714.7	483.4	381.9	292.1	89.3	49.7	32.6	22.6
2.5°	1872.5	1056.4	957.3	795.0	534.2	418.9	326.4	99.5	54.2	33.9	23.0
0°	2006.0	1143.2	1040.0	868.6	582.3	453.8	356.4	109.1	58.4	35.1	23.4
-2.5°	1971.1	1129.9	1024.6	861.8	597.2	464.3	360.8	126.7	72.3	44.2	27.9
-5°	1902.5	1112.5	1004.5	848.3	608.2	472.1	360.6	143.1	85.5	52.9	32.3
-7.5°	1770.6	1073.6	973.5	828.3	614.9	476.7	356.4	158.1	97.8	61.0	36.3
-10°	1602.2	1020.9	929.5	794.3	605.6	475.1	349.3	171.6	109.1	68.3	39.9
-12.5°	1406.8	967.0	886.4	758.0	591.1	468.3	340.2	183.1	119.0	74.6	42.9
-15°	1186.7	912.7	846.0	720.8	574.0	459.8	329.7	192.6	127.5	80.2	45.2
-17.5°	949.0	858.5	809.8	683.8	554.7	449.8	318.6	200.0	134.5	85.3	47.6
-20°	881.6	822.9	775.5	648.4	533.4	438.6	307.5	205.2	140.1	89.1	49.7



REPORT NUMBER: P701465 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	848.7	803.5	736.9	619.3	513.3	426.3	297.1	208.1	144.1	91.5	50.8
-25°	818.2	785.5	700.2	592.3	496.6	408.1	293.0	208.6	146.5	92.5	50.7
-27.5°	796.3	762.2	663.7	563.2	478.2	392.8	292.1	210.4	147.2	91.9	49.4
-30°	779.4	720.9	628.7	534.3	457.5	372.1	288.2	210.1	146.1	90.2	46.9
-32.5°	765.5	681.4	592.4	509.5	433.2	350.2	275.6	207.6	142.9	87.2	45.2
-35°	729.2	642.9	555.2	482.5	407.2	330.1	259.1	202.7	137.6	82.3	43.3
-37.5°	690.4	602.9	523.8	453.5	380.5	307.9	243.8	188.4	129.9	75.5	40.5
-40°	644.4	563.3	491.2	423.8	353.7	283.7	226.3	171.9	120.4	66.8	36.7
-42.5°	596.2	524.3	456.3	392.9	325.1	262.2	206.7	153.7	105.3	59.9	32.1
-45°	550.1	482.1	418.2	356.7	295.2	238.5	184.6	133.9	88.6	53.5	28.6
-47.5°	500.3	436.8	376.5	318.2	266.1	212.3	160.5	114.0	71.0	45.8	27.6
-50°	447.0	388.4	332.2	281.6	233.7	183.5	135.3	93.0	60.1	36.2	26.2
-52.5°	392.9	337.9	290.0	245.2	199.0	152.6	110.6	71.8	48.6	31.5	24.6
-55°	336.9	291.0	249.5	206.3	162.7	122.9	84.7	58.3	36.6	29.0	22.9
-57.5°	288.0	246.9	206.1	165.4	128.1	92.8	65.0	44.3	31.7	26.4	22.2
-60°	239.1	198.6	160.3	126.8	94.2	68.0	48.7	33.5	28.9	24.1	21.4
-62.5°	184.0	149.2	118.7	89.1	67.1	49.5	34.5	30.5	26.0	22.9	20.4
-65°	132.7	104.9	78.3	62.4	46.5	34.7	31.3	27.4	24.2	21.6	19.4
-67.5°	84.7	69.2	53.9	39.7	34.2	31.1	28.0	25.1	22.5	20.2	18.4
-70°	55.8	42.4	35.9	33.0	30.3	27.6	25.4	23.0	20.7	19.3	17.5
-72.5°	37.8	34.5	31.4	28.8	27.2	25.3	23.0	21.0	19.8	18.3	16.5
-75°	32.0	29.8	28.1	26.6	24.9	22.9	21.4	20.3	18.9	17.4	15.5
-77.5°	27.7	26.4	25.4	24.2	22.6	21.3	20.3	19.5	17.9	16.2	14.4
-80°	23.5	22.8	22.0	21.1	20.2	19.5	18.9	18.1	16.5	15.0	13.3
-82.5°	19.6	19.1	18.7	18.4	18.0	17.5	17.1	16.6	15.1	13.7	12.4
-85°	16.0	16.0	16.1	16.2	15.9	15.6	15.3	15.0	13.8	12.7	11.7
-87.5°	13.8	13.9	14.0	13.9	13.8	13.6	13.5	13.3	12.5	11.7	10.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.8	8.3	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	8.0	7.8	7.8	7.8	7.8	7.8
72.5°	7.9	8.1	8.0	7.8	7.8	7.8	7.8
70°	8.0	8.2	8.2	7.8	7.8	7.8	7.8
67.5°	8.0	8.4	8.4	8.0	7.8	7.8	7.8
65°	8.1	8.5	8.6	8.2	7.8	7.8	7.8
62.5°	8.1	8.5	8.8	8.4	7.8	7.8	7.8
60°	8.2	8.6	9.0	8.6	7.8	7.8	7.8
57.5°	8.6	8.6	9.0	8.8	7.9	7.8	7.8
55°	9.1	8.7	9.1	9.0	8.1	7.8	7.8
52.5°	9.6	8.8	9.1	9.2	8.2	7.8	7.8
50°	10.1	9.2	9.2	9.4	8.3	7.8	7.8
47.5°	10.5	9.6	9.2	9.6	8.5	7.8	7.8
45°	10.7	10.0	9.3	9.6	8.6	7.8	7.8
42.5°	11.0	10.4	9.4	9.7	8.7	7.8	7.8
40°	11.3	10.7	9.5	9.7	8.8	7.8	7.8
37.5°	11.7	11.1	9.8	9.8	8.9	7.8	7.8
35°	12.0	11.4	10.1	9.8	9.0	7.8	7.8
32.5°	12.4	11.7	10.4	9.9	9.1	7.8	7.8
30°	12.9	12.0	10.6	10.0	9.2	7.8	7.8
27.5°	13.4	12.3	10.9	10.1	9.3	7.8	7.8
25°	13.9	12.6	11.1	10.2	9.3	7.8	7.8
22.5°	14.3	12.9	11.2	10.4	9.4	7.8	7.8
20°	14.8	13.0	11.4	10.5	9.5	7.8	7.8
17.5°	15.1	13.2	11.5	10.6	9.5	7.8	7.8
15°	15.5	13.3	11.6	10.8	9.6	7.8	7.8
12.5°	15.9	13.4	11.6	11.0	9.6	7.8	7.8
10°	16.2	13.5	11.7	11.1	9.6	7.8	7.8
7.5°	16.6	13.5	11.7	11.3	9.7	7.8	7.8
5°	16.9	13.6	11.7	11.4	9.7	7.8	7.8
2.5°	17.2	13.6	11.7	11.6	9.7	7.8	7.8
0°	17.5	13.6	11.7	11.7	9.7	7.8	7.8
-2.5°	19.0	14.0	12.0	11.8	9.8	7.8	7.8
-5°	20.5	14.4	12.4	11.9	9.9	7.9	7.8
-7.5°	21.8	14.8	12.7	12.0	9.9	7.9	7.8
-10°	23.0	15.2	13.0	12.1	10.0	8.0	7.8
-12.5°	23.9	15.5	13.3	12.2	10.0	8.0	7.8
-15°	24.7	15.8	13.6	12.2	10.1	8.0	7.8
-17.5°	25.1	16.1	13.8	12.3	10.1	8.1	7.8
-20°	25.6	16.4	14.1	12.3	10.2	8.1	7.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.2	16.6	14.2	12.4	10.2	8.1	7.8
-25°	26.3	17.0	14.4	12.4	10.2	8.2	7.8
-27.5°	25.9	17.4	14.5	12.4	10.2	8.2	7.8
-30°	24.9	17.6	14.5	12.4	10.2	8.2	7.8
-32.5°	23.3	17.7	14.6	12.3	10.2	8.2	7.8
-35°	22.8	17.7	14.6	12.3	10.1	8.2	7.8
-37.5°	22.8	17.6	14.6	12.3	10.1	8.3	7.8
-40°	22.6	17.6	14.6	12.2	10.1	8.3	7.8
-42.5°	22.1	17.5	14.5	12.1	10.0	8.3	7.8
-45°	21.5	17.3	14.4	12.1	10.0	8.3	7.8
-47.5°	20.6	17.1	14.3	12.0	9.9	8.3	7.8
-50°	20.2	16.9	14.1	11.8	9.8	8.3	7.8
-52.5°	19.8	16.6	13.9	11.7	9.7	8.3	7.8
-55°	19.4	16.3	13.7	11.5	9.6	8.2	7.8
-57.5°	18.8	15.9	13.4	11.3	9.5	8.2	7.8
-60°	18.3	15.5	13.1	11.1	9.4	8.2	7.8
-62.5°	17.6	15.0	12.8	10.9	9.4	8.2	7.8
-65°	16.9	14.5	12.4	10.7	9.3	8.2	7.8
-67.5°	16.2	13.9	12.0	10.4	9.1	8.1	7.8
-70°	15.4	13.3	11.6	10.2	9.0	8.1	7.8
-72.5°	14.5	12.7	11.2	9.9	8.9	8.1	7.8
-75°	13.6	12.1	10.7	9.7	8.7	8.0	7.8
-77.5°	12.7	11.4	10.4	9.5	8.6	8.0	7.8
-80°	11.8	10.9	10.1	9.3	8.4	8.0	7.8
-82.5°	11.2	10.5	9.7	9.0	8.3	7.9	7.8
-85°	10.7	10.1	9.4	8.8	8.1	7.9	7.8
-87.5°	10.2	9.7	9.1	8.5	8.0	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

