

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: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-5S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-80-5S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

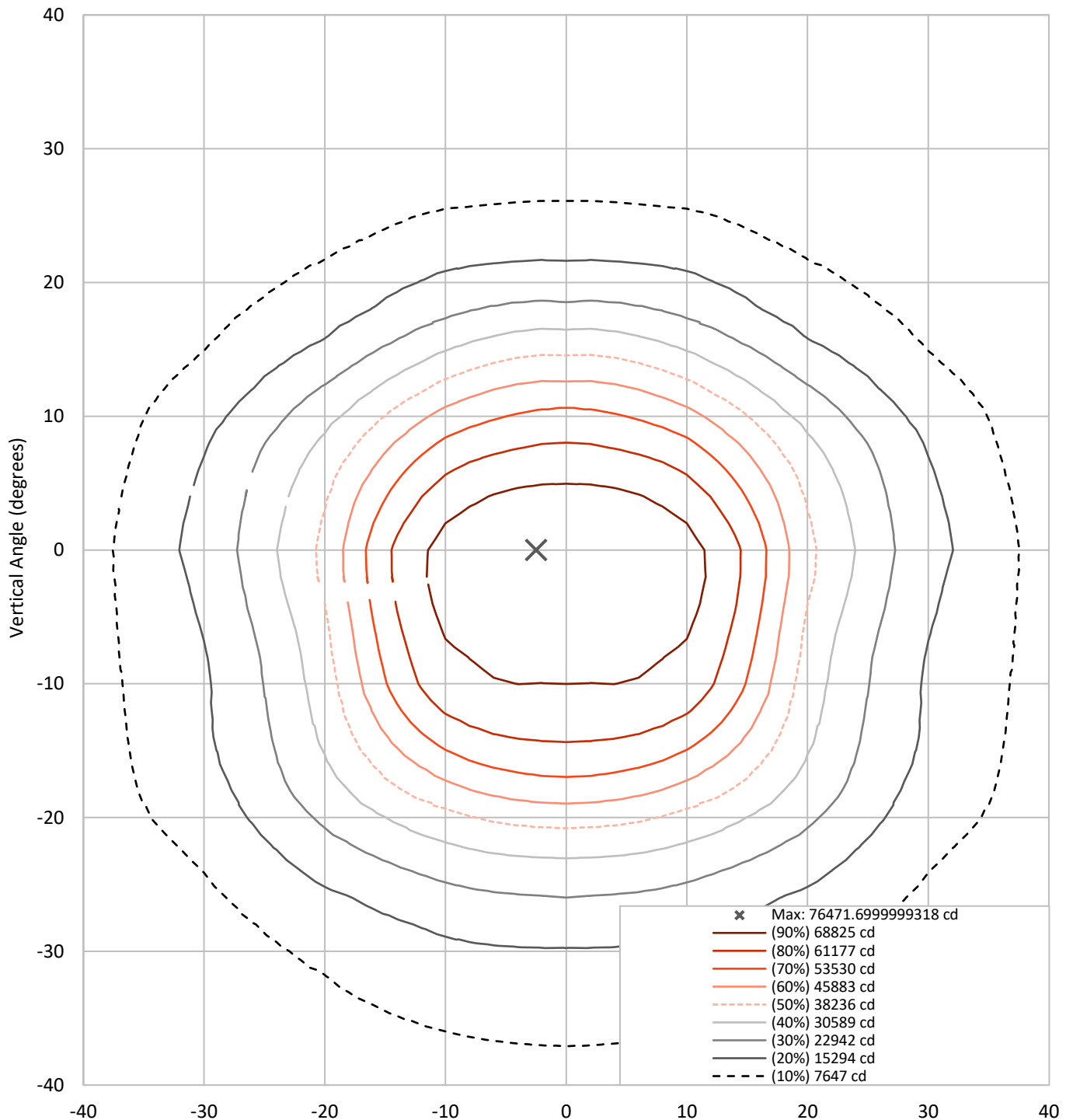
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	37740.9 lumens	Max Intensity:	76471.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	109.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	20758.3 lumens	Field Lumens:	34575 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 344.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





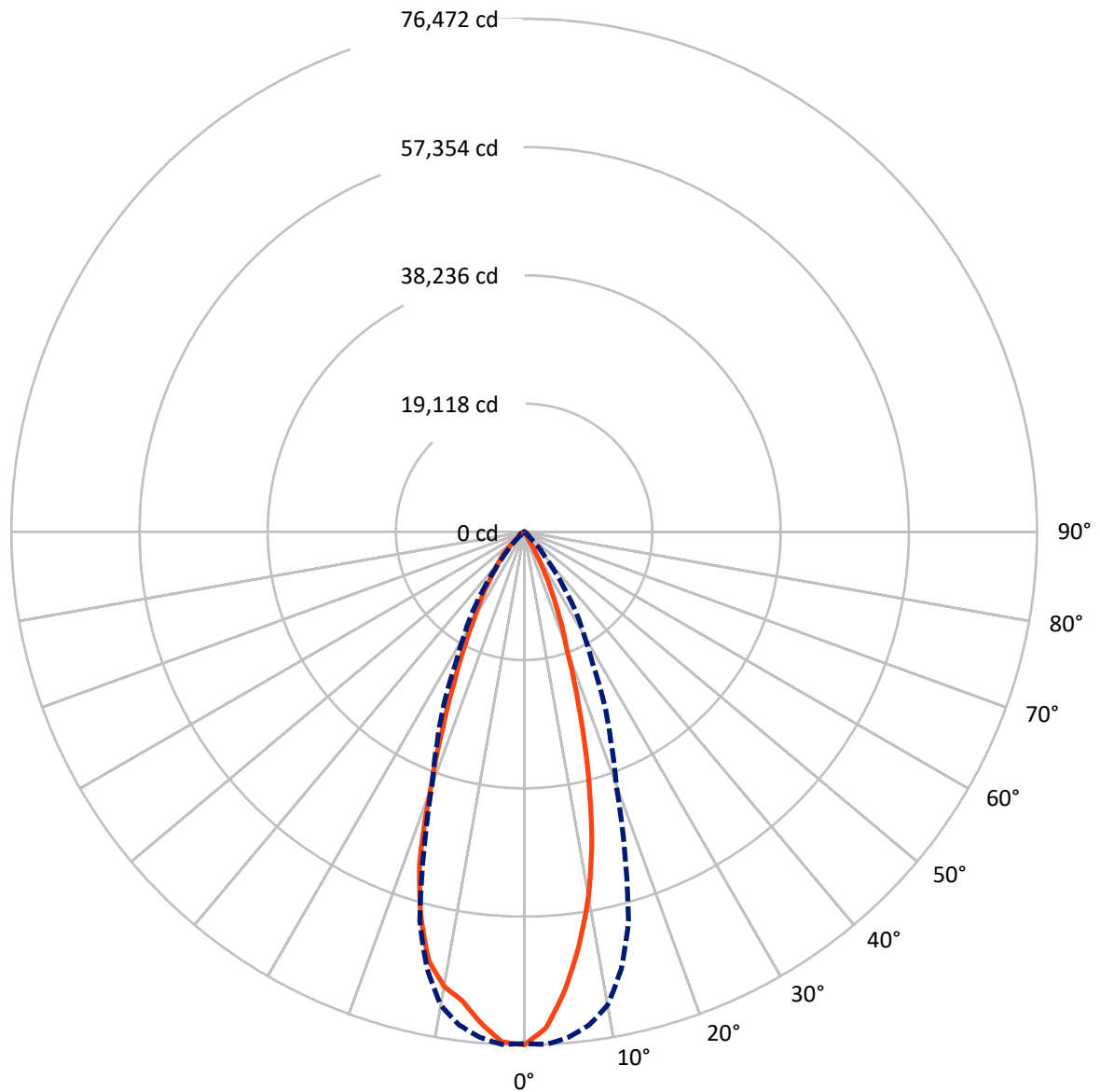
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### Lumen Table

90																
80	0.1	0.3		0.3		0.3		0.3		0.3		0.3		0.1		
70																
60	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1
50		0.1	0.1	0.4	0.4	0.2	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.3	0.5	0.6	1.0	1.1	1.1	1.0	0.6	0.5	0.3	0.2	0.1	0.1
30		0.1	0.5	1.1	3.1	8.5	14.7	18.7	18.7	14.7	8.5	3.1	1.1	0.5	0.1	
20	0.1	0.2	1.7	5.8	33.5	96.4	195.8	282.7	282.7	195.8	96.4	33.5	5.8	1.7	0.2	0.1
10		0.4	3.6	18.8	119.2	349.3	715.9	1057.7	1057.7	715.9	349.3	119.2	18.8	3.6	0.4	
0	0.2	0.8	6.1	40.9	245.2	700.4	1466.5	2001.4	2001.4	1466.5	700.4	245.2	40.9	6.1	0.8	0.2
-10		1.4	8.3	49.4	256.8	717.2	1645.7	2193.5	2193.5	1645.7	717.2	256.8	49.4	8.3	1.4	
-20	0.2	1.6	8.5	39.7	218.0	590.5	1243.5	1712.4	1712.4	1243.5	590.5	218.0	39.7	8.5	1.6	0.2
-30		1.4	7.0	18.6	109.3	316.0	581.1	763.0	763.0	581.1	316.0	109.3	18.6	7.0	1.4	
-40	0.2	1.1	4.8	10.9	31.9	119.0	219.0	285.8	285.8	219.0	119.0	31.9	10.9	4.8	1.1	0.2
-50		0.6	2.9	7.7	14.1	26.4	59.5	89.8	89.8	59.5	26.4	14.1	7.7	2.9	0.6	
-60	0.1	0.3	1.4	4.3	9.0	14.8	20.3	23.5	23.5	20.3	14.8	9.0	4.3	1.4	0.3	0.1
-70		0.1	0.5	1.7	3.7	6.6	9.9	11.8	11.8	9.9	6.6	3.7	1.7	0.5	0.1	
-80																
-90	0.1	0.4		1.4		3.6		5.0		3.6		1.4		0.4		0.1

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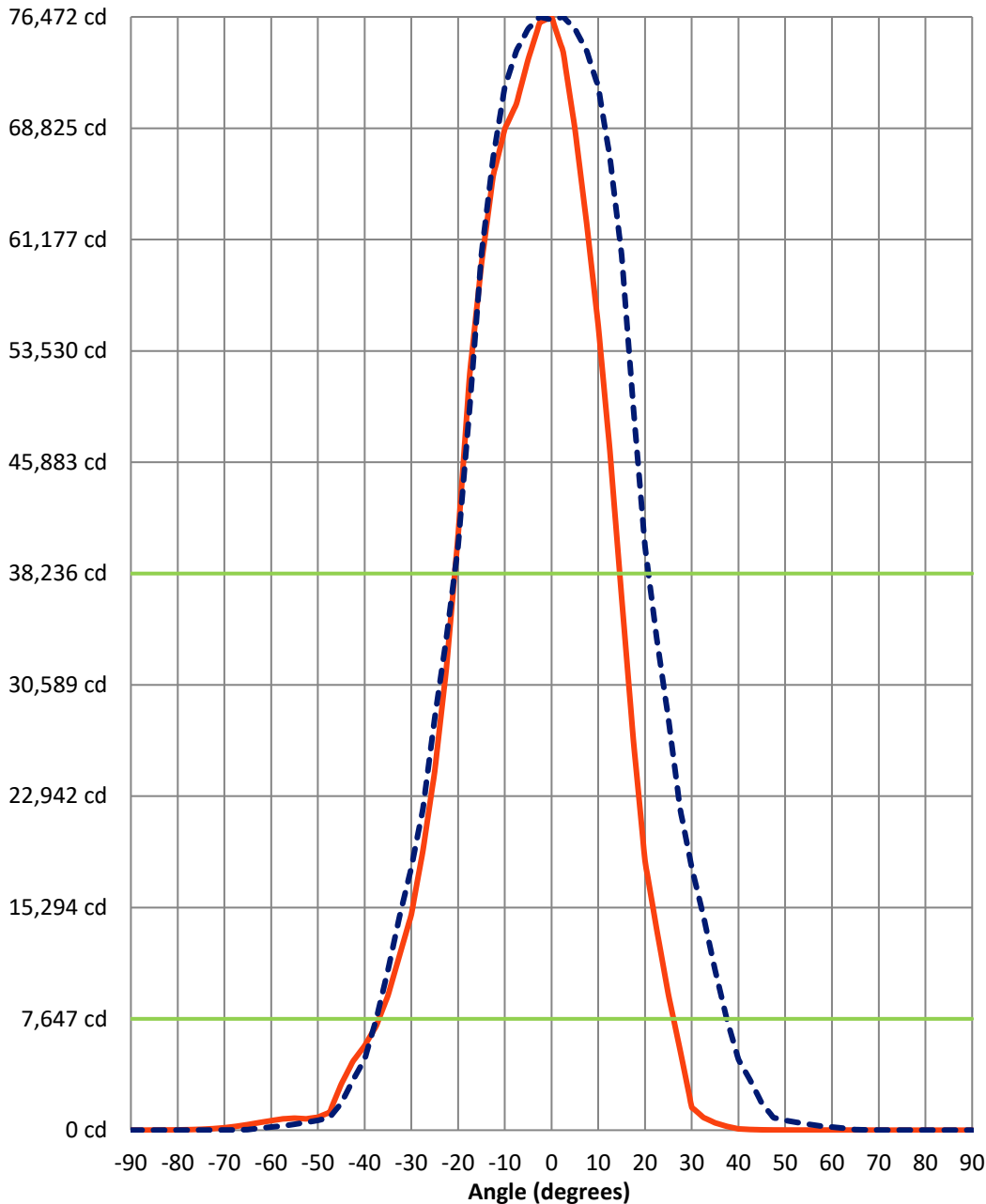
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.5°  
 V Angle: 35.3°  
 Lumens: 20758.3  
 Efficiency: 55.0%

**Field:**  
 H Angle: 75°  
 V Angle: 63°  
 Lumens: 34575  
 Efficiency: 91.6%

**Spill:**  
 Lumens: 3165.9  
 Efficiency: 8.4%

— 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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.6
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.0	4.9	5.0
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.2	5.2	5.3
65°	4.5	4.5	4.5	4.5	4.5	4.6	5.1	5.4	5.4	5.4	5.6
62.5°	4.5	4.5	4.5	4.5	4.5	4.8	5.3	5.5	5.5	5.6	5.6
60°	4.5	4.5	4.5	4.5	4.5	5.0	5.6	5.6	5.6	5.6	5.6
57.5°	4.5	4.5	4.5	4.5	4.7	5.2	5.6	5.6	5.6	5.6	5.6
55°	4.5	4.5	4.5	4.5	4.8	5.4	5.6	5.6	5.6	5.6	5.6
52.5°	4.5	4.5	4.5	4.5	5.0	5.6	5.6	5.6	5.6	5.6	5.6
50°	4.5	4.5	4.5	4.5	5.1	5.6	5.6	5.6	5.6	5.6	5.9
47.5°	4.5	4.5	4.5	4.5	5.3	5.6	5.6	5.6	5.6	5.6	6.3
45°	4.5	4.5	4.5	4.6	5.4	5.6	5.6	5.6	5.6	5.9	6.7
42.5°	4.5	4.5	4.5	4.7	5.5	5.6	5.6	5.6	5.7	6.2	7.0
40°	4.5	4.5	4.5	4.8	5.6	5.6	5.6	5.7	5.9	6.5	7.3
37.5°	4.5	4.5	4.5	4.9	5.6	5.6	5.6	5.8	6.2	6.9	7.6
35°	4.5	4.5	4.5	4.9	5.6	5.6	5.6	6.0	6.5	7.3	7.9
32.5°	4.5	4.5	4.5	5.0	5.6	5.6	5.6	6.1	6.8	7.7	8.5
30°	4.5	4.5	4.5	5.0	5.6	5.6	5.7	6.3	7.1	8.1	9.1
27.5°	4.5	4.5	4.5	5.0	5.6	5.6	5.9	6.5	7.4	8.6	9.8
25°	4.5	4.5	4.5	5.0	5.5	5.6	6.0	6.8	7.8	9.2	10.7
22.5°	4.5	4.5	4.5	5.0	5.5	5.6	6.1	7.0	8.2	9.8	12.6
20°	4.5	4.5	4.5	5.0	5.5	5.6	6.3	7.2	8.6	10.5	14.5
17.5°	4.5	4.5	4.5	4.9	5.5	5.6	6.4	7.4	8.9	11.2	16.5
15°	4.5	4.5	4.5	4.9	5.5	5.6	6.5	7.5	9.3	11.9	18.4
12.5°	4.5	4.5	4.5	4.8	5.5	5.6	6.5	7.6	9.7	12.6	20.3
10°	4.5	4.5	4.5	4.8	5.6	5.6	6.6	7.7	10.0	13.6	22.8
7.5°	4.5	4.5	4.5	4.7	5.6	5.6	6.6	7.7	10.3	14.7	26.9
5°	4.5	4.5	4.5	4.6	5.6	5.6	6.7	7.8	10.6	15.8	31.1
2.5°	4.5	4.5	4.5	4.6	5.6	5.6	6.7	7.8	10.9	16.8	35.2
0°	4.5	4.5	4.5	4.5	5.6	5.6	6.7	7.8	11.1	17.8	39.0
-2.5°	4.5	4.5	4.5	4.6	5.6	5.8	7.1	8.8	14.1	24.4	50.4
-5°	4.5	4.5	4.5	4.6	5.6	6.1	7.6	9.8	17.0	30.7	61.2
-7.5°	4.5	4.5	4.5	4.7	5.6	6.3	7.9	10.8	19.6	36.5	70.9
-10°	4.5	4.5	4.5	4.8	5.6	6.5	8.3	11.6	21.9	41.6	79.4
-12.5°	4.5	4.5	4.5	4.8	5.5	6.7	8.6	12.4	23.8	45.9	85.2
-15°	4.5	4.5	4.5	4.9	5.5	6.8	8.9	13.0	25.6	49.5	89.3
-17.5°	4.5	4.5	4.5	4.9	5.5	6.9	9.1	13.9	27.4	52.2	91.9
-20°	4.5	4.5	4.5	5.0	5.5	6.9	9.4	14.9	28.5	53.9	93.1



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	4.5	5.0	5.5	6.9	9.8	15.6	29.0	54.4	92.9
-25°	4.5	4.5	4.5	5.0	5.5	6.9	10.0	16.0	28.7	53.7	91.0
-27.5°	4.5	4.5	4.5	5.0	5.6	6.8	10.0	16.0	27.5	52.3	89.9
-30°	4.5	4.5	4.5	5.0	5.6	6.7	9.8	15.7	26.9	51.0	87.3
-32.5°	4.5	4.5	4.5	5.0	5.7	6.5	9.5	15.4	26.5	48.5	82.9
-35°	4.5	4.5	4.5	4.9	5.7	6.3	9.2	15.0	25.6	44.9	76.7
-37.5°	4.5	4.5	4.5	4.9	5.7	6.2	8.9	14.3	24.1	40.1	67.7
-40°	4.5	4.5	4.5	4.8	5.8	6.2	8.5	13.3	22.0	36.9	59.3
-42.5°	4.5	4.5	4.5	4.7	5.7	6.2	8.1	12.0	20.2	33.1	50.4
-45°	4.5	4.5	4.5	4.7	5.6	6.3	7.6	10.9	18.4	28.9	41.9
-47.5°	4.5	4.5	4.5	4.6	5.5	6.2	7.1	10.2	16.1	24.4	36.8
-50°	4.5	4.5	4.5	4.6	5.4	6.2	6.9	9.4	13.3	21.2	31.4
-52.5°	4.5	4.5	4.5	4.6	5.3	6.2	6.9	8.5	11.7	17.7	25.9
-55°	4.5	4.5	4.5	4.6	5.2	6.0	6.7	7.7	10.4	14.0	21.6
-57.5°	4.5	4.5	4.5	4.6	5.0	5.9	6.6	7.5	9.1	12.0	17.0
-60°	4.5	4.5	4.5	4.7	4.9	5.7	6.5	7.2	8.0	10.4	13.2
-62.5°	4.5	4.5	4.5	4.7	4.9	5.5	6.2	7.0	7.7	8.7	11.3
-65°	4.5	4.5	4.5	4.7	4.9	5.3	6.0	6.7	7.4	8.1	9.3
-67.5°	4.5	4.5	4.5	4.7	5.0	5.2	5.8	6.4	7.1	7.8	8.4
-70°	4.5	4.5	4.5	4.7	5.0	5.2	5.5	6.2	6.8	7.4	8.0
-72.5°	4.5	4.5	4.5	4.7	5.0	5.3	5.5	5.9	6.5	7.0	7.6
-75°	4.5	4.5	4.5	4.7	5.0	5.3	5.5	5.8	6.1	6.6	7.2
-77.5°	4.5	4.5	4.5	4.7	5.0	5.3	5.6	5.7	6.0	6.3	6.8
-80°	4.5	4.5	4.5	4.6	4.9	5.2	5.6	5.6	5.8	6.0	6.3
-82.5°	4.5	4.5	4.5	4.6	4.8	5.0	5.3	5.5	5.6	5.7	5.9
-85°	4.5	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.3	5.3	5.4
-87.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5





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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	3.3	3.3	3.3
87.5°	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.3	3.0	2.8	2.5
85°	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	3.2	3.0	3.0
82.5°	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	3.3	3.3	3.3
80°	4.5	4.5	4.5	4.5	4.3	4.0	3.7	3.4	3.3	3.3	3.4
77.5°	4.5	4.5	4.5	4.5	4.3	4.1	4.0	4.0	4.0	3.9	3.7
75°	4.5	4.5	4.6	4.5	4.4	4.4	4.5	4.5	4.3	4.0	3.7
72.5°	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	4.6	4.7	4.6
70°	5.1	5.2	5.0	4.7	4.5	4.6	5.1	5.7	6.2	6.2	6.1
67.5°	5.5	5.3	5.0	4.8	4.9	5.5	6.2	7.1	7.9	7.9	8.2
65°	5.6	5.3	5.2	5.3	5.6	6.5	7.5	8.5	10.9	12.3	13.0
62.5°	5.6	5.4	5.5	5.9	6.7	7.8	9.3	12.0	15.7	17.7	17.1
60°	5.6	5.6	6.0	6.8	7.7	8.8	11.2	14.9	19.8	23.3	21.3
57.5°	5.6	5.9	6.6	7.5	8.3	9.2	12.5	17.1	22.9	29.1	25.2
55°	5.8	6.4	7.2	8.0	8.8	9.6	13.0	18.3	24.7	28.5	24.8
52.5°	6.2	6.8	7.6	8.4	9.3	10.1	12.7	17.8	21.6	24.6	22.7
50°	6.6	7.2	8.0	8.9	9.8	10.8	11.2	15.4	18.5	19.8	19.7
47.5°	7.0	7.7	8.4	9.4	10.6	11.4	11.4	13.5	15.8	17.2	16.0
45°	7.4	8.1	8.8	10.2	11.5	12.3	13.0	12.5	16.1	17.1	16.4
42.5°	7.8	8.5	9.8	11.1	12.8	14.7	15.7	17.0	18.7	20.5	20.0
40°	8.1	8.9	11.2	13.8	15.0	18.4	21.8	23.8	24.5	26.0	26.0
37.5°	8.5	10.3	13.8	19.3	19.4	24.5	29.2	33.9	35.3	32.7	37.1
35°	8.8	11.9	20.9	27.5	28.6	32.5	40.3	47.5	51.8	49.3	53.4
32.5°	9.8	13.6	30.1	37.0	44.0	47.5	53.1	68.6	83.5	88.1	80.2
30°	11.6	22.1	40.6	47.5	63.8	74.6	77.9	98.8	130.1	157.5	211.5
27.5°	13.8	32.4	50.4	65.2	88.6	108.0	116.4	150.6	204.1	276.3	431.6
25°	16.1	43.2	60.8	87.6	121.1	143.6	157.3	205.6	295.5	525.9	816.1
22.5°	21.8	54.3	74.0	112.6	157.8	177.3	206.4	272.2	422.9	806.0	1287.4
20°	30.6	64.7	92.7	137.2	197.1	209.4	251.6	336.1	597.4	1177.6	1756.0
17.5°	39.3	76.5	113.2	166.4	227.3	252.2	295.5	394.3	743.8	1643.4	2364.4
15°	47.7	89.3	132.6	195.9	262.6	311.8	378.1	525.2	1023.5	2194.8	3169.8
12.5°	55.7	102.7	150.7	225.3	303.5	375.1	472.9	738.7	1522.6	2839.0	4294.2
10°	63.2	116.4	167.5	254.0	348.2	440.6	571.0	972.2	2026.9	3399.7	5184.6
7.5°	80.5	137.3	186.3	281.4	395.1	506.9	670.0	1215.2	2482.0	3874.1	5928.5
5°	99.7	165.5	222.3	324.5	444.4	569.2	760.8	1455.9	2881.1	4264.9	6598.7
2.5°	118.5	192.7	257.3	367.2	491.7	623.5	817.0	1665.7	3194.2	4595.6	7177.0
0°	136.0	218.4	290.9	406.8	534.9	673.1	864.8	1848.8	3432.4	4863.3	7632.7
-2.5°	157.4	245.9	328.1	444.4	549.5	674.6	865.5	1781.2	3484.2	5116.3	7461.7
-5°	175.9	271.0	362.6	478.6	562.4	672.5	858.6	1677.9	3455.6	5251.8	7323.9
-7.5°	190.8	293.4	393.7	505.9	574.3	679.4	875.3	1700.7	3408.0	5251.8	7237.5
-10°	199.4	299.8	393.9	504.4	582.0	688.2	886.7	1660.5	3262.8	5143.0	7061.7
-12.5°	191.7	291.9	385.8	497.8	586.9	690.0	883.0	1546.8	3018.0	4921.3	6842.4
-15°	182.6	282.4	374.2	485.7	588.6	684.0	862.4	1352.0	2616.7	4443.8	6577.8
-17.5°	172.4	271.6	359.1	467.6	587.2	669.6	812.3	1043.7	2097.4	3776.7	5970.9
-20°	161.6	259.6	340.4	443.1	579.1	636.4	736.1	925.9	1654.8	3028.9	5016.4



REPORT NUMBER: P701452 (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°	150.5	246.6	320.9	419.0	532.3	596.4	664.8	801.5	1169.9	2188.2	3782.4
-25°	144.1	230.1	303.8	387.2	484.3	559.0	593.2	679.3	863.7	1606.3	2761.4
-27.5°	141.2	214.5	282.8	354.5	440.5	519.9	545.0	600.6	738.4	1036.2	1865.5
-30°	136.3	193.3	259.7	323.1	402.1	472.9	509.6	544.9	632.9	793.9	1253.1
-32.5°	125.5	171.7	234.8	296.1	364.4	433.0	488.2	522.0	577.4	661.5	813.8
-35°	112.2	155.8	209.6	267.0	327.1	395.9	458.2	507.7	534.5	592.5	694.5
-37.5°	100.0	138.5	184.2	237.5	293.5	357.3	425.8	479.8	519.2	546.9	620.1
-40°	87.2	120.0	162.6	209.8	260.2	318.6	381.7	444.4	494.3	535.8	568.2
-42.5°	74.1	105.0	141.0	182.7	230.4	281.5	335.7	397.3	459.2	513.1	554.1
-45°	63.9	89.5	119.1	159.1	201.1	245.7	294.8	345.8	412.2	473.4	524.4
-47.5°	53.3	74.6	101.8	134.9	173.5	213.2	254.6	305.6	360.8	421.2	479.4
-50°	43.7	62.6	84.4	114.3	147.4	182.4	219.2	265.8	316.7	368.2	421.4
-52.5°	37.3	50.4	70.5	93.9	123.1	154.5	188.4	228.2	273.3	320.3	367.5
-55°	30.6	41.9	56.9	76.6	99.5	127.6	159.5	194.1	229.5	272.3	314.7
-57.5°	24.7	34.3	46.1	60.8	79.7	100.7	130.3	161.2	193.7	226.8	262.0
-60°	19.2	27.2	37.2	48.6	61.6	80.1	101.3	127.9	156.8	185.9	215.6
-62.5°	14.0	20.5	28.7	38.1	48.9	60.6	77.6	97.7	119.3	143.6	168.5
-65°	11.8	14.6	20.5	28.3	37.0	47.2	58.3	70.2	87.8	105.1	122.3
-67.5°	9.4	11.8	14.6	18.5	25.8	33.9	42.4	52.5	63.1	72.8	84.0
-70°	8.6	9.2	11.2	13.7	16.6	21.0	28.2	35.7	43.2	50.6	58.8
-72.5°	8.0	8.5	9.1	9.8	11.9	14.5	17.5	20.7	25.6	31.4	37.2
-75°	7.5	7.8	8.2	8.7	9.3	10.0	11.0	13.4	15.9	18.4	20.8
-77.5°	7.0	7.2	7.4	7.6	7.9	8.3	8.9	9.5	10.3	11.3	12.5
-80°	6.5	6.7	6.9	7.0	7.0	7.1	7.2	7.4	7.7	8.1	8.6
-82.5°	6.0	6.1	6.3	6.4	6.3	6.1	5.9	5.9	6.1	6.2	6.4
-85°	5.5	5.6	5.7	5.8	5.6	5.4	5.2	5.0	5.0	5.1	5.1
-87.5°	5.0	5.0	5.1	5.1	4.9	4.6	4.4	4.2	4.2	4.2	4.3
-90°	4.2	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5



REPORT NUMBER: P701452 (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°	3.3	3.3	3.3	3.3	3.3	3.6	3.9	4.2	4.5	5.0	5.6
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7
85°	2.9	2.8	2.6	2.4	2.2	2.2	2.2	2.2	2.2	1.9	1.7
82.5°	3.3	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	3.3	3.2	3.0	2.9	2.9	2.8	2.6	2.4	2.2	1.9	1.7
77.5°	3.4	3.3	3.3	3.3	3.3	3.1	2.8	2.5	2.2	2.0	1.7
75°	3.4	3.3	3.4	3.4	3.3	3.2	3.1	3.1	3.1	2.9	2.7
72.5°	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2
70°	6.0	5.9	5.7	5.6	5.4	5.1	4.9	4.7	4.3	4.3	4.3
67.5°	8.8	8.9	8.8	8.4	7.6	6.8	6.4	6.0	5.5	5.5	5.8
65°	12.8	11.2	10.2	9.3	8.5	7.9	7.5	7.1	6.6	6.8	7.7
62.5°	15.2	11.9	10.2	9.5	9.1	8.8	8.2	7.7	7.5	7.7	8.5
60°	17.7	12.8	9.6	9.0	8.4	7.9	7.8	7.8	7.8	7.9	8.3
57.5°	19.0	13.2	8.8	8.5	8.2	7.9	7.9	8.0	7.9	7.8	8.2
55°	18.6	13.3	9.1	8.7	8.6	8.7	8.7	8.3	8.0	7.8	8.1
52.5°	17.0	12.8	9.8	9.0	8.9	8.5	7.8	8.2	8.7	9.1	9.5
50°	15.1	12.0	10.5	9.7	9.8	9.8	9.8	10.4	11.0	11.3	11.8
47.5°	13.9	12.1	12.0	11.8	12.1	12.7	13.0	13.6	15.3	16.1	16.5
45°	14.0	14.8	15.4	16.0	15.9	19.1	21.4	22.6	24.0	25.4	26.5
42.5°	18.9	21.0	23.0	25.9	27.6	32.9	35.6	32.2	39.3	45.5	46.9
40°	28.9	32.0	38.9	46.5	55.7	59.6	78.2	79.1	87.1	107.2	113.7
37.5°	44.0	52.9	76.7	96.9	128.9	148.0	171.6	194.2	212.4	231.0	243.8
35°	68.5	114.1	150.0	212.9	256.0	277.7	305.8	339.2	353.4	412.1	457.1
32.5°	146.4	228.2	325.8	376.1	432.5	475.7	469.6	608.8	662.4	750.8	822.6
30°	270.6	466.1	727.9	727.9	717.7	955.7	1042.9	1222.6	1406.9	1529.7	1823.3
27.5°	625.6	1040.4	1455.0	1463.4	1643.0	2140.0	2423.1	2508.1	3307.8	3821.4	4521.9
25°	1152.9	1835.6	2407.5	2673.7	3207.2	4017.0	4496.3	5067.9	6261.4	7621.4	8480.0
22.5°	1717.0	2444.6	3304.0	3910.2	4932.7	5974.3	6846.0	8107.3	9711.5	11229.0	12255.8
20°	2141.7	2996.4	4210.4	5483.5	6778.8	8084.6	9438.8	11171.9	13343.4	15191.4	16861.6
17.5°	3007.6	3911.3	5554.2	7285.9	9043.9	10439.0	12577.6	14656.1	17301.8	19983.3	22060.3
15°	4288.9	5745.5	7389.3	9635.5	12108.2	14243.1	16510.6	20158.3	23376.8	26823.3	29902.6
12.5°	5933.1	7863.6	10041.9	12625.1	15866.0	19216.4	22674.5	26524.7	30734.4	34874.2	39268.8
10°	7468.3	10121.5	12933.9	16112.4	19821.1	24052.1	28277.4	32640.0	38489.6	43791.3	48490.7
7.5°	8528.2	11653.1	15104.8	18989.9	23567.6	28067.7	32840.6	38772.3	45606.1	51617.9	56433.8
5°	9480.1	13021.0	16467.6	20395.1	25717.3	30860.9	36500.4	43720.1	51499.4	58092.1	62891.6
2.5°	10308.7	14119.2	17466.3	21423.1	27266.4	32618.0	38776.2	47380.4	56443.1	63046.6	68110.8
0°	10990.4	14709.3	18031.4	22106.8	28285.2	33797.1	40114.8	49683.2	60115.3	66786.2	71654.0
-2.5°	10330.4	13704.0	16983.3	21111.1	27337.3	32982.2	39810.5	49543.3	59781.2	66976.2	72002.4
-5°	9831.9	12912.7	16025.7	20110.2	25586.4	30820.7	37228.2	47237.6	58013.4	65283.3	70369.1
-7.5°	9445.6	12134.2	14964.5	18725.6	23735.1	29285.9	36155.9	45813.5	55995.9	63348.5	67956.7
-10°	9024.4	11334.2	14418.7	18209.6	23081.1	28372.8	34476.0	43409.7	53697.9	60772.3	66169.5
-12.5°	8896.1	11335.0	14441.9	17733.4	22214.3	27296.1	33115.0	40724.5	48610.3	56028.7	60761.7
-15°	8689.2	11164.2	14204.8	17300.6	21363.0	26257.3	31114.7	36738.3	43329.4	48689.7	53634.0
-17.5°	8283.6	10661.8	12947.0	15839.8	19793.6	24330.9	28011.4	32434.0	37189.3	41276.7	45006.3
-20°	7312.5	8929.8	11095.7	13823.6	17211.9	20885.9	24237.0	27427.8	30483.8	33597.7	35754.8



REPORT NUMBER: P701452 (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°	5595.4	7148.6	8964.4	11230.4	13916.4	17118.3	20079.7	22240.8	24671.7	26913.9	28757.4
-25°	4091.9	5229.9	6924.7	8858.2	10611.1	13175.7	15448.3	16907.8	19041.6	20717.8	22313.5
-27.5°	2959.1	4073.5	5455.6	6983.4	8297.7	9675.4	11681.7	13075.4	14753.6	16038.8	17369.8
-30°	2019.7	3247.0	4520.7	5770.4	6770.3	7811.1	8922.9	10297.7	11644.9	12724.7	13686.3
-32.5°	1400.8	2290.1	3535.0	4699.3	5602.9	6396.5	7127.1	8171.5	9179.6	10058.5	10779.2
-35°	858.2	1488.9	2351.0	3459.8	4415.1	5177.7	5851.4	6516.7	7161.6	7822.9	8380.1
-37.5°	726.1	876.6	1413.8	2177.3	3087.3	3936.0	4596.0	5145.3	5632.2	6135.4	6531.6
-40°	641.7	731.7	866.5	1145.8	1845.8	2551.4	3262.9	3854.1	4389.5	4835.8	5182.7
-42.5°	586.0	646.2	711.9	821.4	951.2	1297.0	1909.0	2505.5	3086.4	3573.4	3981.7
-45°	568.7	598.9	634.4	693.1	746.8	852.0	965.6	1083.3	1545.0	2034.9	2466.7
-47.5°	529.4	577.8	610.0	635.2	665.1	712.7	756.4	812.0	918.0	1023.2	1109.1
-50°	477.2	530.1	574.7	617.8	648.3	669.1	685.0	713.8	756.1	797.2	830.4
-52.5°	414.0	465.4	517.1	569.6	612.9	652.9	690.6	716.6	736.4	753.2	761.8
-55°	356.6	399.5	442.8	495.5	547.9	598.1	646.3	687.5	725.8	761.6	781.9
-57.5°	300.5	337.5	376.0	423.2	469.7	515.3	562.1	609.5	655.9	699.2	724.4
-60°	247.0	279.8	314.7	352.8	393.2	435.3	475.6	515.8	555.7	591.0	611.8
-62.5°	194.6	222.2	250.6	280.7	312.5	345.7	379.1	413.0	446.7	475.0	492.6
-65°	141.4	163.9	185.6	207.6	229.8	255.0	281.5	307.3	332.2	351.7	364.4
-67.5°	98.9	113.4	126.7	139.7	155.4	173.3	192.4	210.9	228.7	242.2	251.2
-70°	67.1	75.2	82.5	91.0	101.4	112.0	123.2	133.9	144.1	151.9	157.9
-72.5°	42.9	48.3	53.4	59.3	64.8	71.0	77.4	83.5	89.2	93.2	96.4
-75°	23.1	26.0	30.3	34.2	38.0	42.4	47.0	51.3	55.3	57.4	58.9
-77.5°	14.2	16.1	17.9	19.7	21.3	23.7	26.4	29.1	31.8	33.0	33.9
-80°	9.3	10.2	11.1	12.1	13.0	14.5	16.0	17.5	18.9	19.4	19.7
-82.5°	6.6	6.9	7.2	7.6	8.0	8.9	9.8	10.8	11.8	12.5	13.2
-85°	5.2	5.3	5.3	5.4	5.4	5.9	6.4	7.0	7.6	7.9	8.2
-87.5°	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.8	5.1
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7



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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°	6.1	6.7	6.2	5.6	6.2	6.7	6.1	5.6	5.0	4.5	4.2
87.5°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.2
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.4
77.5°	1.4	1.1	1.6	2.2	1.6	1.1	1.4	1.7	2.0	2.2	2.5
75°	2.4	2.2	2.2	2.2	2.2	2.2	2.4	2.7	2.9	3.1	3.1
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.4	3.6
70°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3	4.7
67.5°	6.2	6.6	6.7	6.7	6.7	6.6	6.2	5.8	5.5	5.5	6.0
65°	8.7	9.7	9.5	8.9	9.5	9.7	8.7	7.7	6.8	6.6	7.1
62.5°	9.2	9.9	10.0	10.0	10.0	9.9	9.2	8.5	7.7	7.5	7.7
60°	8.6	8.9	8.9	8.9	8.9	8.9	8.6	8.3	7.9	7.8	7.8
57.5°	8.5	8.8	8.9	8.9	8.9	8.8	8.5	8.2	7.8	7.9	8.0
55°	8.4	8.8	8.9	8.9	8.9	8.8	8.4	8.1	7.8	8.0	8.3
52.5°	9.8	9.9	10.0	10.0	10.0	9.9	9.8	9.5	9.1	8.7	8.2
50°	12.4	13.0	12.6	11.1	12.6	13.0	12.4	11.8	11.3	11.0	10.4
47.5°	16.5	15.9	15.5	15.6	15.5	15.9	16.5	16.5	16.1	15.3	13.6
45°	26.9	26.6	26.5	26.7	26.5	26.6	26.9	26.5	25.4	24.0	22.6
42.5°	48.5	48.7	47.9	46.8	47.9	48.7	48.5	46.9	45.5	39.3	32.2
40°	113.4	103.9	91.1	83.6	91.1	103.9	113.4	113.7	107.2	87.1	79.1
37.5°	255.5	262.9	263.6	258.5	263.6	262.9	255.5	243.8	231.0	212.4	194.2
35°	485.4	502.8	503.7	494.8	503.7	502.8	485.4	457.1	412.1	353.4	339.2
32.5°	821.4	860.5	875.2	871.5	875.2	860.5	821.4	822.6	750.8	662.4	608.8
30°	1686.8	1698.5	1578.4	1358.5	1578.4	1698.5	1686.8	1823.3	1529.7	1406.9	1222.6
27.5°	4901.9	5354.3	5518.5	5446.2	5518.5	5354.3	4901.9	4521.9	3821.4	3307.8	2508.1
25°	8726.6	9024.7	9322.2	9356.7	9322.2	9024.7	8726.6	8480.0	7621.4	6261.4	5067.9
22.5°	12967.0	13390.6	13792.7	13700.7	13792.7	13390.6	12967.0	12255.8	11229.0	9711.5	8107.3
20°	17922.4	18214.6	18511.3	18182.9	18511.3	18214.6	17922.4	16861.6	15191.4	13343.4	11171.9
17.5°	24235.9	25611.5	26832.7	26280.3	26832.7	25611.5	24235.9	22060.3	19983.3	17301.8	14656.1
15°	32802.0	35196.3	36600.6	36526.3	36600.6	35196.3	32802.0	29902.6	26823.3	23376.8	20158.3
12.5°	42673.3	45175.4	46608.6	46312.1	46608.6	45175.4	42673.3	39268.8	34874.2	30734.4	26524.7
10°	51579.4	53544.2	55247.0	55913.9	55247.0	53544.2	51579.4	48490.7	43791.3	38489.6	32640.0
7.5°	59445.7	60909.7	62329.9	62583.8	62329.9	60909.7	59445.7	56433.8	51617.9	45606.1	38772.3
5°	65921.2	67995.3	68798.1	69116.5	68798.1	67995.3	65921.2	62891.6	58092.1	51499.4	43720.1
2.5°	71147.5	73044.6	74049.0	73752.5	74049.0	73044.6	71147.5	68110.8	63046.6	56443.1	47380.4
0°	74149.8	75651.5	76471.7	76275.5	76471.7	75651.5	74149.8	71654.0	66786.2	60115.3	49683.2
-2.5°	74445.7	75455.5	76097.0	75845.4	76097.0	75455.5	74445.7	72002.4	66976.2	59781.2	49543.3
-5°	72398.3	73220.0	73557.2	73701.2	73557.2	73220.0	72398.3	70369.1	65283.3	58013.4	47237.6
-7.5°	69577.3	70681.2	70513.3	70803.7	70513.3	70681.2	69577.3	67956.7	63348.5	55995.9	45813.5
-10°	67897.2	68915.9	68768.4	68846.8	68768.4	68915.9	67897.2	66169.5	60772.3	53697.9	43409.7
-12.5°	63820.5	65299.7	65526.7	65781.6	65526.7	65299.7	63820.5	60761.7	56028.7	48610.3	40724.5
-15°	56879.4	58504.6	59487.3	59708.5	59487.3	58504.6	56879.4	53634.0	48689.7	43329.4	36738.3
-17.5°	48106.9	50354.6	51934.8	52302.1	51934.8	50354.6	48106.9	45006.3	41276.7	37189.3	32434.0
-20°	38389.2	39998.2	40816.9	41258.2	40816.9	39998.2	38389.2	35754.8	33597.7	30483.8	27427.8



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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°	30215.8	31278.3	31734.5	31809.0	31734.5	31278.3	30215.8	28757.4	26913.9	24671.7	22240.8
-25°	23605.7	24330.0	24640.4	25099.0	24640.4	24330.0	23605.7	22313.5	20717.8	19041.6	16907.8
-27.5°	18318.8	18955.7	19239.7	19661.8	19239.7	18955.7	18318.8	17369.8	16038.8	14753.6	13075.4
-30°	14334.9	14718.5	14814.3	14835.2	14814.3	14718.5	14334.9	13686.3	12724.7	11644.9	10297.7
-32.5°	11338.9	11771.0	12028.9	12143.9	12028.9	11771.0	11338.9	10779.2	10058.5	9179.6	8171.5
-35°	8797.3	9082.1	9251.6	9442.5	9251.6	9082.1	8797.3	8380.1	7822.9	7161.6	6516.7
-37.5°	6839.7	7050.9	7167.7	7207.0	7167.7	7050.9	6839.7	6531.6	6135.4	5632.2	5145.3
-40°	5459.4	5669.1	5795.0	5813.9	5795.0	5669.1	5459.4	5182.7	4835.8	4389.5	3854.1
-42.5°	4291.8	4553.1	4722.1	4760.8	4722.1	4553.1	4291.8	3981.7	3573.4	3086.4	2505.5
-45°	2782.4	3025.6	3154.3	3146.0	3154.3	3025.6	2782.4	2466.7	2034.9	1545.0	1083.3
-47.5°	1164.1	1203.3	1220.2	1214.7	1220.2	1203.3	1164.1	1109.1	1023.2	918.0	812.0
-50°	856.6	878.8	891.0	893.8	891.0	878.8	856.6	830.4	797.2	756.1	713.8
-52.5°	769.2	777.3	780.2	780.1	780.2	777.3	769.2	761.8	753.2	736.4	716.6
-55°	800.8	818.7	825.7	825.8	825.7	818.7	800.8	781.9	761.6	725.8	687.5
-57.5°	747.2	767.3	776.6	779.0	776.6	767.3	747.2	724.4	699.2	655.9	609.5
-60°	630.4	646.6	653.7	655.3	653.7	646.6	630.4	611.8	591.0	555.7	515.8
-62.5°	507.5	519.8	523.6	522.7	523.6	519.8	507.5	492.6	475.0	446.7	413.0
-65°	375.1	383.5	384.2	381.1	384.2	383.5	375.1	364.4	351.7	332.2	307.3
-67.5°	258.4	263.8	264.1	261.9	264.1	263.8	258.4	251.2	242.2	228.7	210.9
-70°	163.0	167.1	167.3	166.0	167.3	167.1	163.0	157.9	151.9	144.1	133.9
-72.5°	99.1	101.3	103.3	104.8	103.3	101.3	99.1	96.4	93.2	89.2	83.5
-75°	59.9	60.7	60.6	60.2	60.6	60.7	59.9	58.9	57.4	55.3	51.3
-77.5°	34.7	35.4	36.7	37.9	36.7	35.4	34.7	33.9	33.0	31.8	29.1
-80°	19.9	20.0	20.6	21.2	20.6	20.0	19.9	19.7	19.4	18.9	17.5
-82.5°	13.8	14.4	14.5	14.5	14.5	14.4	13.8	13.2	12.5	11.8	10.8
-85°	8.6	8.9	9.4	10.0	9.4	8.9	8.6	8.2	7.9	7.6	7.0
-87.5°	5.3	5.6	5.6	5.6	5.6	5.6	5.3	5.1	4.8	4.5	4.5
-90°	1.4	1.1	0.5	0.0	0.5	1.1	1.4	1.7	1.9	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0	3.3
85°	2.2	2.2	2.2	2.4	2.6	2.8	2.9	3.0	3.0	3.2	3.3
82.5°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
80°	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.3	3.3	3.4
77.5°	2.8	3.1	3.3	3.3	3.3	3.3	3.4	3.7	3.9	4.0	4.0
75°	3.1	3.2	3.3	3.4	3.4	3.3	3.4	3.7	4.0	4.3	4.5
72.5°	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.6	4.7	4.6	4.5
70°	4.9	5.1	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.2	5.7
67.5°	6.4	6.8	7.6	8.4	8.8	8.9	8.8	8.2	7.9	7.9	7.1
65°	7.5	7.9	8.5	9.3	10.2	11.2	12.8	13.0	12.3	10.9	8.5
62.5°	8.2	8.8	9.1	9.5	10.2	11.9	15.2	17.1	17.7	15.7	12.0
60°	7.8	7.9	8.4	9.0	9.6	12.8	17.7	21.3	23.3	19.8	14.9
57.5°	7.9	7.9	8.2	8.5	8.8	13.2	19.0	25.2	29.1	22.9	17.1
55°	8.7	8.7	8.6	8.7	9.1	13.3	18.6	24.8	28.5	24.7	18.3
52.5°	7.8	8.5	8.9	9.0	9.8	12.8	17.0	22.7	24.6	21.6	17.8
50°	9.8	9.8	9.8	9.7	10.5	12.0	15.1	19.7	19.8	18.5	15.4
47.5°	13.0	12.7	12.1	11.8	12.0	12.1	13.9	16.0	17.2	15.8	13.5
45°	21.4	19.1	15.9	16.0	15.4	14.8	14.0	16.4	17.1	16.1	12.5
42.5°	35.6	32.9	27.6	25.9	23.0	21.0	18.9	20.0	20.5	18.7	17.0
40°	78.2	59.6	55.7	46.5	38.9	32.0	28.9	26.0	26.0	24.5	23.8
37.5°	171.6	148.0	128.9	96.9	76.7	52.9	44.0	37.1	32.7	35.3	33.9
35°	305.8	277.7	256.0	212.9	150.0	114.1	68.5	53.4	49.3	51.8	47.5
32.5°	469.6	475.7	432.5	376.1	325.8	228.2	146.4	80.2	88.1	83.5	68.6
30°	1042.9	955.7	717.7	727.9	727.9	466.1	270.6	211.5	157.5	130.1	98.8
27.5°	2423.1	2140.0	1643.0	1463.4	1455.0	1040.4	625.6	431.6	276.3	204.1	150.6
25°	4496.3	4017.0	3207.2	2673.7	2407.5	1835.6	1152.9	816.1	525.9	295.5	205.6
22.5°	6846.0	5974.3	4932.7	3910.2	3304.0	2444.6	1717.0	1287.4	806.0	422.9	272.2
20°	9438.8	8084.6	6778.8	5483.5	4210.4	2996.4	2141.7	1756.0	1177.6	597.4	336.1
17.5°	12577.6	10439.0	9043.9	7285.9	5554.2	3911.3	3007.6	2364.4	1643.4	743.8	394.3
15°	16510.6	14243.1	12108.2	9635.5	7389.3	5745.5	4288.9	3169.8	2194.8	1023.5	525.2
12.5°	22674.5	19216.4	15866.0	12625.1	10041.9	7863.6	5933.1	4294.2	2839.0	1522.6	738.7
10°	28277.4	24052.1	19821.1	16112.4	12933.9	10121.5	7468.3	5184.6	3399.7	2026.9	972.2
7.5°	32840.6	28067.7	23567.6	18989.9	15104.8	11653.1	8528.2	5928.5	3874.1	2482.0	1215.2
5°	36500.4	30860.9	25717.3	20395.1	16467.6	13021.0	9480.1	6598.7	4264.9	2881.1	1455.9
2.5°	38776.2	32618.0	27266.4	21423.1	17466.3	14119.2	10308.7	7177.0	4595.6	3194.2	1665.7
0°	40114.8	33797.1	28285.2	22106.8	18031.4	14709.3	10990.4	7632.7	4863.3	3432.4	1848.8
-2.5°	39810.5	32982.2	27337.3	21111.1	16983.3	13704.0	10330.4	7461.7	5116.3	3484.2	1781.2
-5°	37228.2	30820.7	25586.4	20110.2	16025.7	12912.7	9831.9	7323.9	5251.8	3455.6	1677.9
-7.5°	36155.9	29285.9	23735.1	18725.6	14964.5	12134.2	9445.6	7237.5	5251.8	3408.0	1700.7
-10°	34476.0	28372.8	23081.1	18209.6	14418.7	11334.2	9024.4	7061.7	5143.0	3262.8	1660.5
-12.5°	33115.0	27296.1	22214.3	17733.4	14441.9	11335.0	8896.1	6842.4	4921.3	3018.0	1546.8
-15°	31114.7	26257.3	21363.0	17300.6	14204.8	11164.2	8689.2	6577.8	4443.8	2616.7	1352.0
-17.5°	28011.4	24330.9	19793.6	15839.8	12947.0	10661.8	8283.6	5970.9	3776.7	2097.4	1043.7
-20°	24237.0	20885.9	17211.9	13823.6	11095.7	8929.8	7312.5	5016.4	3028.9	1654.8	925.9



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20079.7	17118.3	13916.4	11230.4	8964.4	7148.6	5595.4	3782.4	2188.2	1169.9	801.5
-25°	15448.3	13175.7	10611.1	8858.2	6924.7	5229.9	4091.9	2761.4	1606.3	863.7	679.3
-27.5°	11681.7	9675.4	8297.7	6983.4	5455.6	4073.5	2959.1	1865.5	1036.2	738.4	600.6
-30°	8922.9	7811.1	6770.3	5770.4	4520.7	3247.0	2019.7	1253.1	793.9	632.9	544.9
-32.5°	7127.1	6396.5	5602.9	4699.3	3535.0	2290.1	1400.8	813.8	661.5	577.4	522.0
-35°	5851.4	5177.7	4415.1	3459.8	2351.0	1488.9	858.2	694.5	592.5	534.5	507.7
-37.5°	4596.0	3936.0	3087.3	2177.3	1413.8	876.6	726.1	620.1	546.9	519.2	479.8
-40°	3262.9	2551.4	1845.8	1145.8	866.5	731.7	641.7	568.2	535.8	494.3	444.4
-42.5°	1909.0	1297.0	951.2	821.4	711.9	646.2	586.0	554.1	513.1	459.2	397.3
-45°	965.6	852.0	746.8	693.1	634.4	598.9	568.7	524.4	473.4	412.2	345.8
-47.5°	756.4	712.7	665.1	635.2	610.0	577.8	529.4	479.4	421.2	360.8	305.6
-50°	685.0	669.1	648.3	617.8	574.7	530.1	477.2	421.4	368.2	316.7	265.8
-52.5°	690.6	652.9	612.9	569.6	517.1	465.4	414.0	367.5	320.3	273.3	228.2
-55°	646.3	598.1	547.9	495.5	442.8	399.5	356.6	314.7	272.3	229.5	194.1
-57.5°	562.1	515.3	469.7	423.2	376.0	337.5	300.5	262.0	226.8	193.7	161.2
-60°	475.6	435.3	393.2	352.8	314.7	279.8	247.0	215.6	185.9	156.8	127.9
-62.5°	379.1	345.7	312.5	280.7	250.6	222.2	194.6	168.5	143.6	119.3	97.7
-65°	281.5	255.0	229.8	207.6	185.6	163.9	141.4	122.3	105.1	87.8	70.2
-67.5°	192.4	173.3	155.4	139.7	126.7	113.4	98.9	84.0	72.8	63.1	52.5
-70°	123.2	112.0	101.4	91.0	82.5	75.2	67.1	58.8	50.6	43.2	35.7
-72.5°	77.4	71.0	64.8	59.3	53.4	48.3	42.9	37.2	31.4	25.6	20.7
-75°	47.0	42.4	38.0	34.2	30.3	26.0	23.1	20.8	18.4	15.9	13.4
-77.5°	26.4	23.7	21.3	19.7	17.9	16.1	14.2	12.5	11.3	10.3	9.5
-80°	16.0	14.5	13.0	12.1	11.1	10.2	9.3	8.6	8.1	7.7	7.4
-82.5°	9.8	8.9	8.0	7.6	7.2	6.9	6.6	6.4	6.2	6.1	5.9
-85°	6.4	5.9	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	5.0
-87.5°	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.2	4.2	4.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0	3.3





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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°	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.5	4.5	4.5
85°	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.0	4.1	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.4	4.4	4.5	4.6	4.5	4.5	4.5	4.6	4.5	4.5
72.5°	4.5	4.5	4.5	4.6	4.8	4.8	4.7	4.6	4.7	4.7	4.6
70°	5.1	4.6	4.5	4.7	5.0	5.2	5.1	5.0	4.9	5.0	4.8
67.5°	6.2	5.5	4.9	4.8	5.0	5.3	5.5	5.3	5.2	5.2	5.1
65°	7.5	6.5	5.6	5.3	5.2	5.3	5.6	5.6	5.4	5.4	5.4
62.5°	9.3	7.8	6.7	5.9	5.5	5.4	5.6	5.6	5.6	5.5	5.5
60°	11.2	8.8	7.7	6.8	6.0	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	12.5	9.2	8.3	7.5	6.6	5.9	5.6	5.6	5.6	5.6	5.6
55°	13.0	9.6	8.8	8.0	7.2	6.4	5.8	5.6	5.6	5.6	5.6
52.5°	12.7	10.1	9.3	8.4	7.6	6.8	6.2	5.6	5.6	5.6	5.6
50°	11.2	10.8	9.8	8.9	8.0	7.2	6.6	5.9	5.6	5.6	5.6
47.5°	11.4	11.4	10.6	9.4	8.4	7.7	7.0	6.3	5.6	5.6	5.6
45°	13.0	12.3	11.5	10.2	8.8	8.1	7.4	6.7	5.9	5.6	5.6
42.5°	15.7	14.7	12.8	11.1	9.8	8.5	7.8	7.0	6.2	5.7	5.6
40°	21.8	18.4	15.0	13.8	11.2	8.9	8.1	7.3	6.5	5.9	5.7
37.5°	29.2	24.5	19.4	19.3	13.8	10.3	8.5	7.6	6.9	6.2	5.8
35°	40.3	32.5	28.6	27.5	20.9	11.9	8.8	7.9	7.3	6.5	6.0
32.5°	53.1	47.5	44.0	37.0	30.1	13.6	9.8	8.5	7.7	6.8	6.1
30°	77.9	74.6	63.8	47.5	40.6	22.1	11.6	9.1	8.1	7.1	6.3
27.5°	116.4	108.0	88.6	65.2	50.4	32.4	13.8	9.8	8.6	7.4	6.5
25°	157.3	143.6	121.1	87.6	60.8	43.2	16.1	10.7	9.2	7.8	6.8
22.5°	206.4	177.3	157.8	112.6	74.0	54.3	21.8	12.6	9.8	8.2	7.0
20°	251.6	209.4	197.1	137.2	92.7	64.7	30.6	14.5	10.5	8.6	7.2
17.5°	295.5	252.2	227.3	166.4	113.2	76.5	39.3	16.5	11.2	8.9	7.4
15°	378.1	311.8	262.6	195.9	132.6	89.3	47.7	18.4	11.9	9.3	7.5
12.5°	472.9	375.1	303.5	225.3	150.7	102.7	55.7	20.3	12.6	9.7	7.6
10°	571.0	440.6	348.2	254.0	167.5	116.4	63.2	22.8	13.6	10.0	7.7
7.5°	670.0	506.9	395.1	281.4	186.3	137.3	80.5	26.9	14.7	10.3	7.7
5°	760.8	569.2	444.4	324.5	222.3	165.5	99.7	31.1	15.8	10.6	7.8
2.5°	817.0	623.5	491.7	367.2	257.3	192.7	118.5	35.2	16.8	10.9	7.8
0°	864.8	673.1	534.9	406.8	290.9	218.4	136.0	39.0	17.8	11.1	7.8
-2.5°	865.5	674.6	549.5	444.4	328.1	245.9	157.4	50.4	24.4	14.1	8.8
-5°	858.6	672.5	562.4	478.6	362.6	271.0	175.9	61.2	30.7	17.0	9.8
-7.5°	875.3	679.4	574.3	505.9	393.7	293.4	190.8	70.9	36.5	19.6	10.8
-10°	886.7	688.2	582.0	504.4	393.9	299.8	199.4	79.4	41.6	21.9	11.6
-12.5°	883.0	690.0	586.9	497.8	385.8	291.9	191.7	85.2	45.9	23.8	12.4
-15°	862.4	684.0	588.6	485.7	374.2	282.4	182.6	89.3	49.5	25.6	13.0
-17.5°	812.3	669.6	587.2	467.6	359.1	271.6	172.4	91.9	52.2	27.4	13.9
-20°	736.1	636.4	579.1	443.1	340.4	259.6	161.6	93.1	53.9	28.5	14.9



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	664.8	596.4	532.3	419.0	320.9	246.6	150.5	92.9	54.4	29.0	15.6
-25°	593.2	559.0	484.3	387.2	303.8	230.1	144.1	91.0	53.7	28.7	16.0
-27.5°	545.0	519.9	440.5	354.5	282.8	214.5	141.2	89.9	52.3	27.5	16.0
-30°	509.6	472.9	402.1	323.1	259.7	193.3	136.3	87.3	51.0	26.9	15.7
-32.5°	488.2	433.0	364.4	296.1	234.8	171.7	125.5	82.9	48.5	26.5	15.4
-35°	458.2	395.9	327.1	267.0	209.6	155.8	112.2	76.7	44.9	25.6	15.0
-37.5°	425.8	357.3	293.5	237.5	184.2	138.5	100.0	67.7	40.1	24.1	14.3
-40°	381.7	318.6	260.2	209.8	162.6	120.0	87.2	59.3	36.9	22.0	13.3
-42.5°	335.7	281.5	230.4	182.7	141.0	105.0	74.1	50.4	33.1	20.2	12.0
-45°	294.8	245.7	201.1	159.1	119.1	89.5	63.9	41.9	28.9	18.4	10.9
-47.5°	254.6	213.2	173.5	134.9	101.8	74.6	53.3	36.8	24.4	16.1	10.2
-50°	219.2	182.4	147.4	114.3	84.4	62.6	43.7	31.4	21.2	13.3	9.4
-52.5°	188.4	154.5	123.1	93.9	70.5	50.4	37.3	25.9	17.7	11.7	8.5
-55°	159.5	127.6	99.5	76.6	56.9	41.9	30.6	21.6	14.0	10.4	7.7
-57.5°	130.3	100.7	79.7	60.8	46.1	34.3	24.7	17.0	12.0	9.1	7.5
-60°	101.3	80.1	61.6	48.6	37.2	27.2	19.2	13.2	10.4	8.0	7.2
-62.5°	77.6	60.6	48.9	38.1	28.7	20.5	14.0	11.3	8.7	7.7	7.0
-65°	58.3	47.2	37.0	28.3	20.5	14.6	11.8	9.3	8.1	7.4	6.7
-67.5°	42.4	33.9	25.8	18.5	14.6	11.8	9.4	8.4	7.8	7.1	6.4
-70°	28.2	21.0	16.6	13.7	11.2	9.2	8.6	8.0	7.4	6.8	6.2
-72.5°	17.5	14.5	11.9	9.8	9.1	8.5	8.0	7.6	7.0	6.5	5.9
-75°	11.0	10.0	9.3	8.7	8.2	7.8	7.5	7.2	6.6	6.1	5.8
-77.5°	8.9	8.3	7.9	7.6	7.4	7.2	7.0	6.8	6.3	6.0	5.7
-80°	7.2	7.1	7.0	7.0	6.9	6.7	6.5	6.3	6.0	5.8	5.6
-82.5°	5.9	6.1	6.3	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.5
-85°	5.2	5.4	5.6	5.8	5.7	5.6	5.5	5.4	5.3	5.3	5.2
-87.5°	4.4	4.6	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
-90°	3.3	3.3	3.3	3.3	3.6	3.9	4.2	4.5	4.5	4.5	4.5



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.8	4.5	4.5	4.5	4.5	4.5	4.5
65°	5.1	4.6	4.5	4.5	4.5	4.5	4.5
62.5°	5.3	4.8	4.5	4.5	4.5	4.5	4.5
60°	5.6	5.0	4.5	4.5	4.5	4.5	4.5
57.5°	5.6	5.2	4.7	4.5	4.5	4.5	4.5
55°	5.6	5.4	4.8	4.5	4.5	4.5	4.5
52.5°	5.6	5.6	5.0	4.5	4.5	4.5	4.5
50°	5.6	5.6	5.1	4.5	4.5	4.5	4.5
47.5°	5.6	5.6	5.3	4.5	4.5	4.5	4.5
45°	5.6	5.6	5.4	4.6	4.5	4.5	4.5
42.5°	5.6	5.6	5.5	4.7	4.5	4.5	4.5
40°	5.6	5.6	5.6	4.8	4.5	4.5	4.5
37.5°	5.6	5.6	5.6	4.9	4.5	4.5	4.5
35°	5.6	5.6	5.6	4.9	4.5	4.5	4.5
32.5°	5.6	5.6	5.6	5.0	4.5	4.5	4.5
30°	5.7	5.6	5.6	5.0	4.5	4.5	4.5
27.5°	5.9	5.6	5.6	5.0	4.5	4.5	4.5
25°	6.0	5.6	5.5	5.0	4.5	4.5	4.5
22.5°	6.1	5.6	5.5	5.0	4.5	4.5	4.5
20°	6.3	5.6	5.5	5.0	4.5	4.5	4.5
17.5°	6.4	5.6	5.5	4.9	4.5	4.5	4.5
15°	6.5	5.6	5.5	4.9	4.5	4.5	4.5
12.5°	6.5	5.6	5.5	4.8	4.5	4.5	4.5
10°	6.6	5.6	5.6	4.8	4.5	4.5	4.5
7.5°	6.6	5.6	5.6	4.7	4.5	4.5	4.5
5°	6.7	5.6	5.6	4.6	4.5	4.5	4.5
2.5°	6.7	5.6	5.6	4.6	4.5	4.5	4.5
0°	6.7	5.6	5.6	4.5	4.5	4.5	4.5
-2.5°	7.1	5.8	5.6	4.6	4.5	4.5	4.5
-5°	7.6	6.1	5.6	4.6	4.5	4.5	4.5
-7.5°	7.9	6.3	5.6	4.7	4.5	4.5	4.5
-10°	8.3	6.5	5.6	4.8	4.5	4.5	4.5
-12.5°	8.6	6.7	5.5	4.8	4.5	4.5	4.5
-15°	8.9	6.8	5.5	4.9	4.5	4.5	4.5
-17.5°	9.1	6.9	5.5	4.9	4.5	4.5	4.5
-20°	9.4	6.9	5.5	5.0	4.5	4.5	4.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.8	6.9	5.5	5.0	4.5	4.5	4.5
-25°	10.0	6.9	5.5	5.0	4.5	4.5	4.5
-27.5°	10.0	6.8	5.6	5.0	4.5	4.5	4.5
-30°	9.8	6.7	5.6	5.0	4.5	4.5	4.5
-32.5°	9.5	6.5	5.7	5.0	4.5	4.5	4.5
-35°	9.2	6.3	5.7	4.9	4.5	4.5	4.5
-37.5°	8.9	6.2	5.7	4.9	4.5	4.5	4.5
-40°	8.5	6.2	5.8	4.8	4.5	4.5	4.5
-42.5°	8.1	6.2	5.7	4.7	4.5	4.5	4.5
-45°	7.6	6.3	5.6	4.7	4.5	4.5	4.5
-47.5°	7.1	6.2	5.5	4.6	4.5	4.5	4.5
-50°	6.9	6.2	5.4	4.6	4.5	4.5	4.5
-52.5°	6.9	6.2	5.3	4.6	4.5	4.5	4.5
-55°	6.7	6.0	5.2	4.6	4.5	4.5	4.5
-57.5°	6.6	5.9	5.0	4.6	4.5	4.5	4.5
-60°	6.5	5.7	4.9	4.7	4.5	4.5	4.5
-62.5°	6.2	5.5	4.9	4.7	4.5	4.5	4.5
-65°	6.0	5.3	4.9	4.7	4.5	4.5	4.5
-67.5°	5.8	5.2	5.0	4.7	4.5	4.5	4.5
-70°	5.5	5.2	5.0	4.7	4.5	4.5	4.5
-72.5°	5.5	5.3	5.0	4.7	4.5	4.5	4.5
-75°	5.5	5.3	5.0	4.7	4.5	4.5	4.5
-77.5°	5.6	5.3	5.0	4.7	4.5	4.5	4.5
-80°	5.6	5.2	4.9	4.6	4.5	4.5	4.5
-82.5°	5.3	5.0	4.8	4.6	4.5	4.5	4.5
-85°	5.1	4.9	4.7	4.6	4.5	4.5	4.5
-87.5°	4.8	4.7	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



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

Scaled Data Report

