

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: P701331 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-5S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701331 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-40-70-5S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

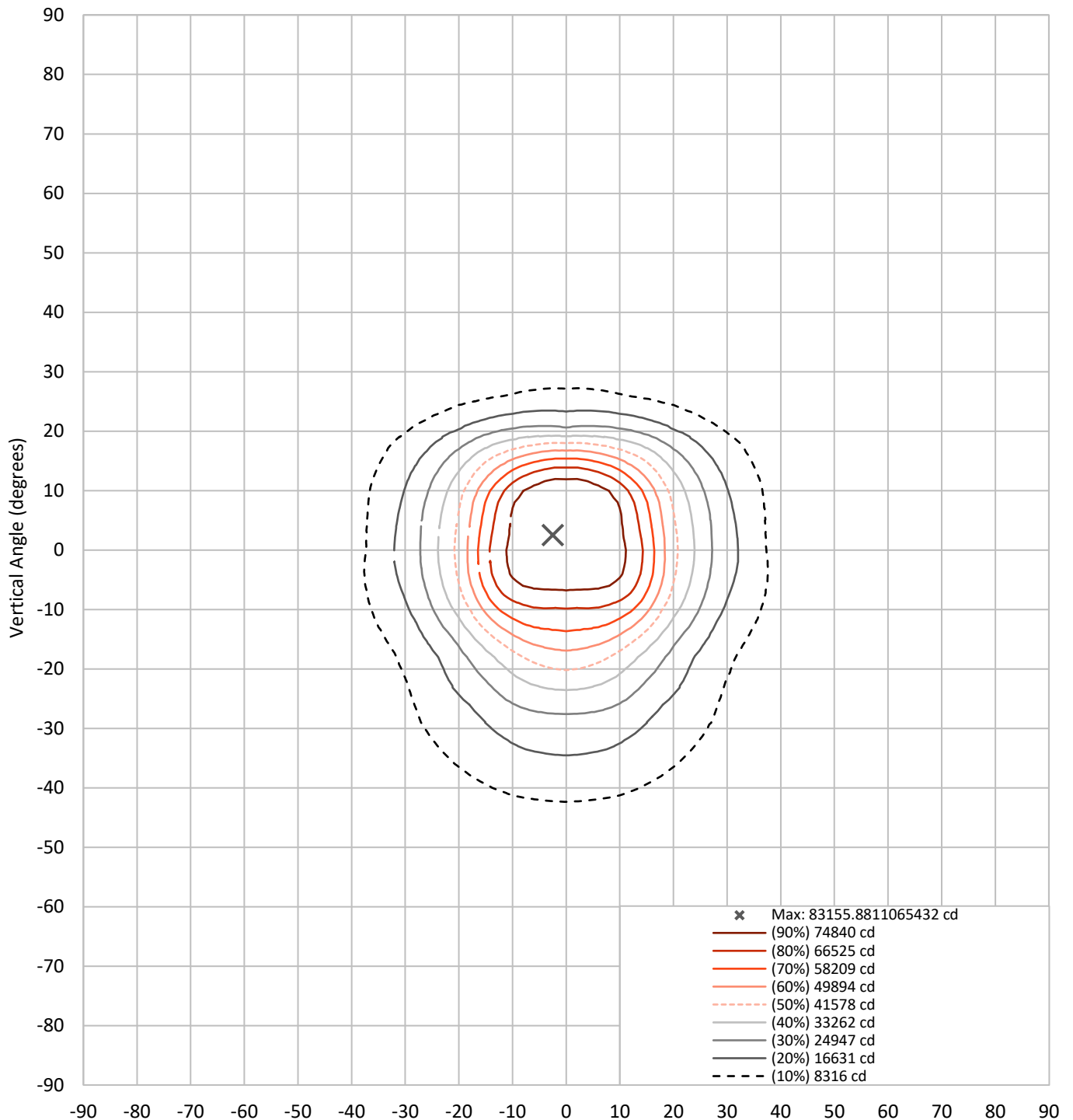
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	44395.6 lumens	Max Intensity:	83155.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	129.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	24462.2 lumens	Field Lumens:	41287.1 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

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





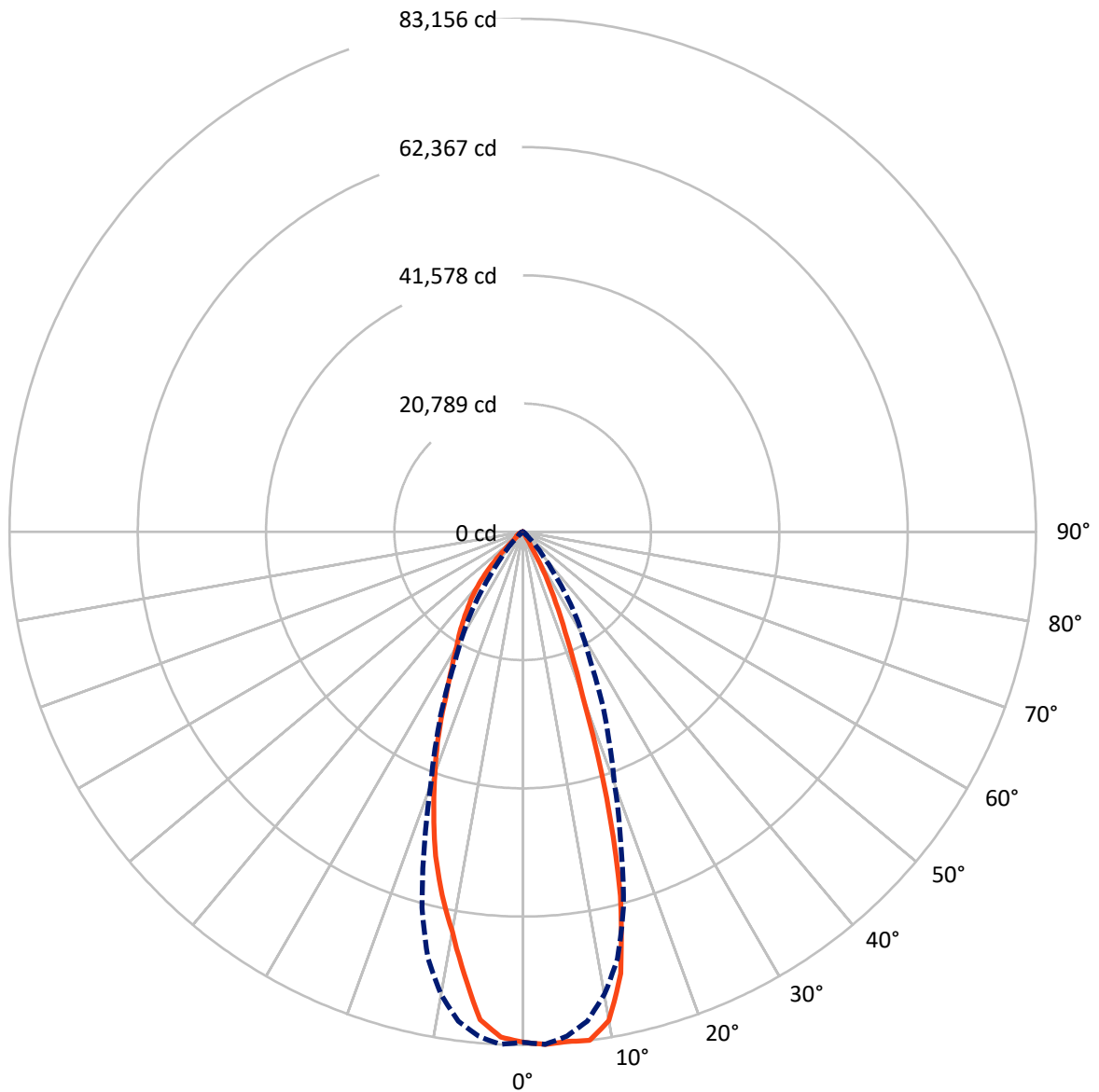
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### Lumen Table

90																
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1
70																
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1
50		0.1	0.1	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.1
30		0.1	0.5	1.3	2.9	6.3	14.8	21.1	21.1	14.8	6.3	2.9	1.3	0.5	0.1	
20	0.1	0.2	2.4	8.9	48.4	148.6	299.1	402.4	402.4	299.1	148.6	48.4	8.9	2.4	0.2	0.1
10		0.7	5.8	32.0	199.5	567.9	1177.3	1695.5	1695.5	1177.3	567.9	199.5	32.0	5.8	0.7	
0	0.1	1.1	7.8	50.5	286.7	817.0	1765.2	2441.0	2441.0	1765.2	817.0	286.7	50.5	7.8	1.1	0.1
-10		1.4	8.4	52.8	288.8	796.4	1739.5	2305.7	2305.7	1739.5	796.4	288.8	52.8	8.4	1.4	
-20	0.2	1.6	8.1	35.5	189.9	525.4	1117.5	1589.6	1589.6	1117.5	525.4	189.9	35.5	8.1	1.6	0.2
-30		1.6	7.6	19.7	111.9	321.7	625.4	884.5	884.5	625.4	321.7	111.9	19.7	7.6	1.6	
-40	0.2	1.2	6.2	14.7	45.0	177.4	346.1	473.6	473.6	346.1	177.4	45.0	14.7	6.2	1.2	0.2
-50		0.8	4.0	11.5	22.1	41.3	97.8	152.0	152.0	97.8	41.3	22.1	11.5	4.0	0.8	
-60	0.1	0.4	2.0	6.3	13.6	22.1	30.1	34.9	34.9	30.1	22.1	13.6	6.3	2.0	0.4	0.1
-70		0.2	0.7	2.1	4.6	7.9	11.7	13.8	13.8	11.7	7.9	4.6	2.1	0.7	0.2	
-80																
-90	0.1	0.4		1.6		3.7		5.0		3.7		1.6		0.4		0.1

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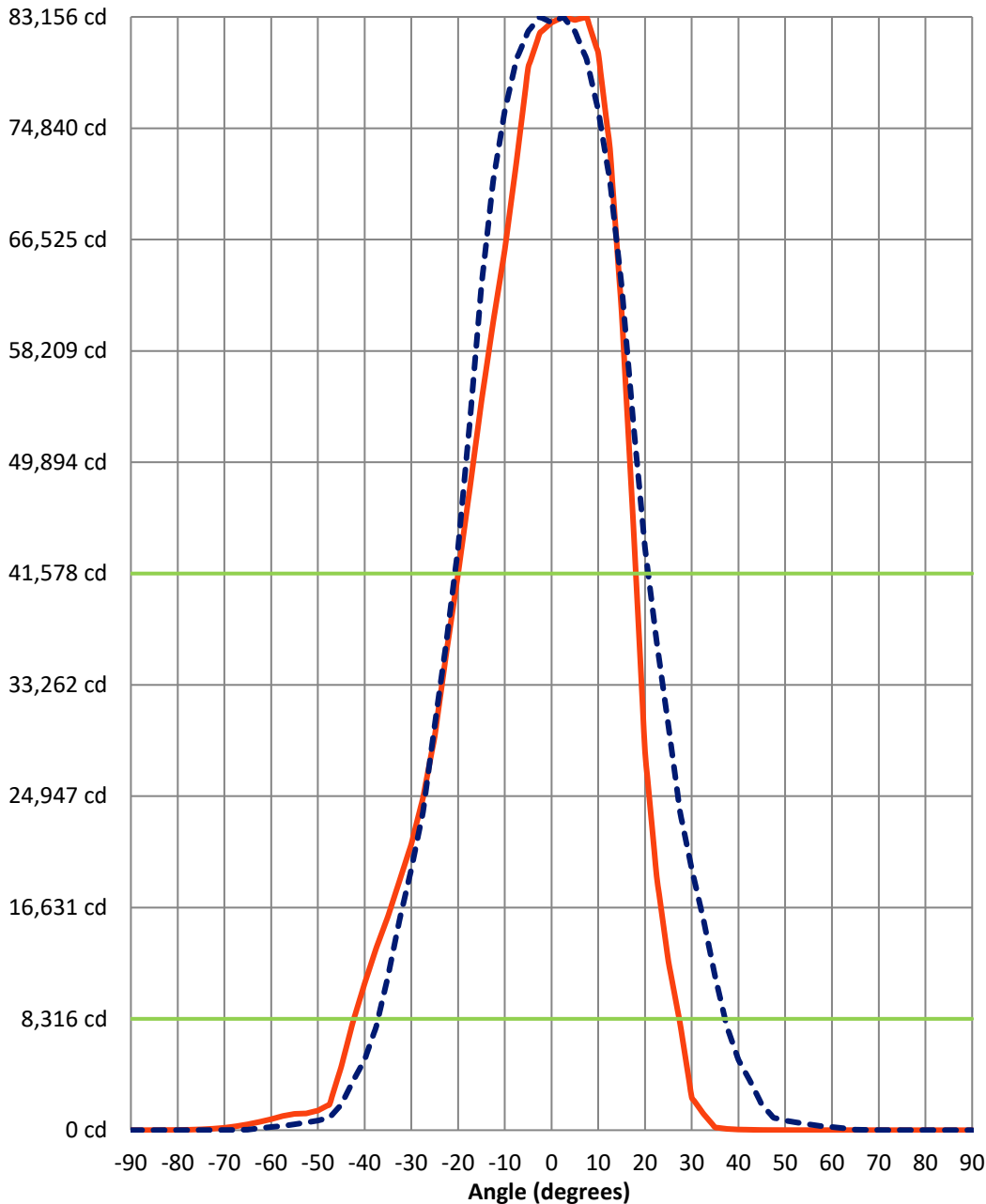
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.4°  
 V Angle: 38°  
 Lumens: 24462.2  
 Efficiency: 55.1%

**Field:**  
 H Angle: 74.2°  
 V Angle: 69.6°  
 Lumens: 41287.1  
 Efficiency: 93.0%

**Spill:**  
 Lumens: 3108.6  
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 2.5-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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.8	2.7
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.4	3.2	3.2	3.2
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.5	3.6
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.7
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.7	3.9
52.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.8	3.7	3.6	3.9	4.1
50°	3.6	3.6	3.6	3.6	3.6	3.7	3.9	3.8	3.7	4.2	4.7
47.5°	3.6	3.6	3.6	3.6	3.6	3.8	4.1	3.8	4.0	4.6	5.3
45°	3.6	3.6	3.6	3.6	3.6	4.0	4.1	3.9	4.4	5.0	5.8
42.5°	3.6	3.6	3.6	3.6	3.6	4.1	4.2	4.1	4.7	5.4	6.2
40°	3.6	3.6	3.6	3.6	3.7	4.3	4.2	4.4	5.1	5.7	6.6
37.5°	3.6	3.6	3.6	3.6	3.8	4.4	4.3	4.7	5.4	6.1	6.9
35°	3.6	3.6	3.6	3.7	3.9	4.5	4.4	5.0	5.7	6.5	7.4
32.5°	3.6	3.6	3.6	3.7	4.0	4.6	4.5	5.3	6.0	7.0	8.3
30°	3.6	3.6	3.6	3.8	4.1	4.6	4.7	5.5	6.3	7.5	9.5
27.5°	3.6	3.6	3.6	3.8	4.3	4.7	4.9	5.8	6.7	8.0	10.8
25°	3.6	3.6	3.6	3.9	4.4	4.8	5.1	6.0	7.1	8.9	12.3
22.5°	3.6	3.6	3.6	4.0	4.5	4.8	5.3	6.2	7.5	10.0	15.1
20°	3.6	3.6	3.6	4.1	4.6	4.8	5.5	6.4	7.9	11.2	18.2
17.5°	3.6	3.6	3.6	4.2	4.7	4.8	5.6	6.7	8.3	12.4	21.3
15°	3.6	3.6	3.6	4.3	4.7	4.8	5.7	6.8	8.7	13.7	24.6
12.5°	3.6	3.6	3.6	4.4	4.7	4.8	5.7	6.9	9.1	14.9	27.9
10°	3.6	3.6	3.6	4.4	4.8	4.8	5.8	7.0	9.5	16.3	31.2
7.5°	3.6	3.6	3.6	4.5	4.8	4.8	5.8	7.0	9.8	17.7	34.2
5°	3.6	3.6	3.6	4.6	4.8	4.8	5.9	7.1	10.2	19.1	37.0
2.5°	3.6	3.6	3.6	4.7	4.8	4.8	5.9	7.1	10.5	20.3	39.5
0°	3.6	3.6	3.6	4.8	4.8	4.8	5.9	7.1	10.7	21.4	41.6
-2.5°	3.6	3.6	3.7	4.8	4.8	4.9	6.2	8.4	14.3	27.9	51.9
-5°	3.6	3.6	3.7	4.8	4.8	5.0	6.5	9.7	17.8	34.1	61.6
-7.5°	3.6	3.6	3.8	4.8	4.8	5.1	6.8	10.8	21.0	39.8	70.4
-10°	3.6	3.6	3.8	4.8	4.8	5.2	7.0	11.8	23.8	44.9	78.2
-12.5°	3.6	3.6	3.8	4.7	4.8	5.3	7.2	12.7	26.1	49.3	85.7
-15°	3.6	3.6	3.9	4.7	4.8	5.4	7.4	13.3	28.2	53.5	92.1
-17.5°	3.6	3.6	3.9	4.7	4.8	5.4	7.5	14.2	30.3	56.8	96.7
-20°	3.6	3.6	4.0	4.7	4.8	5.5	7.8	15.4	31.8	58.9	99.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.6	3.6	4.0	4.7	4.8	5.5	8.4	16.2	32.5	59.8	100.1
-25°	3.6	3.6	4.0	4.7	4.8	5.6	8.8	16.7	32.4	59.5	98.5
-27.5°	3.6	3.6	4.0	4.7	4.8	5.7	9.0	16.7	31.5	58.4	97.8
-30°	3.6	3.6	4.0	4.7	4.8	5.7	9.0	16.3	31.0	57.3	95.5
-32.5°	3.6	3.6	4.0	4.7	4.9	5.7	8.8	16.2	30.5	55.0	91.3
-35°	3.6	3.6	4.0	4.7	4.9	5.5	8.7	15.9	29.3	51.6	85.3
-37.5°	3.6	3.6	4.0	4.7	4.9	5.4	8.5	15.3	27.6	47.0	77.4
-40°	3.6	3.6	4.0	4.8	5.0	5.4	8.2	14.3	25.2	43.6	69.8
-42.5°	3.6	3.6	4.0	4.8	5.0	5.5	7.7	13.0	23.2	39.5	61.2
-45°	3.6	3.6	4.0	4.8	5.0	5.5	7.1	11.7	21.2	34.9	52.3
-47.5°	3.6	3.6	3.9	4.8	5.0	5.5	6.4	10.8	18.8	29.8	46.6
-50°	3.6	3.6	3.9	4.7	5.0	5.4	6.2	9.7	15.8	26.3	40.2
-52.5°	3.6	3.6	3.8	4.6	4.9	5.4	6.1	8.3	13.6	22.4	33.7
-55°	3.6	3.6	3.7	4.5	4.9	5.3	6.0	6.9	11.8	18.1	28.6
-57.5°	3.6	3.6	3.7	4.4	4.9	5.2	5.8	6.7	9.7	15.1	23.1
-60°	3.6	3.6	3.6	4.3	4.8	5.1	5.7	6.5	7.9	12.5	18.1
-62.5°	3.6	3.6	3.6	4.2	4.7	5.0	5.5	6.2	7.4	9.6	14.7
-65°	3.6	3.6	3.6	4.1	4.6	4.9	5.3	5.9	6.9	8.4	11.1
-67.5°	3.6	3.6	3.6	4.0	4.5	4.8	5.1	5.7	6.3	7.6	9.2
-70°	3.6	3.6	3.6	3.9	4.4	4.7	4.8	5.4	6.0	6.7	8.0
-72.5°	3.6	3.6	3.6	3.8	4.3	4.6	4.8	5.1	5.7	6.3	6.9
-75°	3.6	3.6	3.6	3.8	4.2	4.5	4.8	5.0	5.3	5.9	6.4
-77.5°	3.6	3.6	3.6	3.8	4.1	4.5	4.8	4.9	5.2	5.5	6.0
-80°	3.6	3.6	3.6	3.7	4.0	4.4	4.8	4.8	5.0	5.2	5.5
-82.5°	3.6	3.6	3.6	3.7	3.9	4.2	4.5	4.7	4.8	4.9	5.1
-85°	3.6	3.6	3.6	3.7	3.8	4.0	4.2	4.3	4.4	4.5	4.6
-87.5°	3.6	3.6	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.1
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4





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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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.8	2.7	2.6	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5
80°	3.2	3.0	2.7	2.4	2.5	2.7	3.0	3.3	3.3	3.1	2.9
77.5°	3.4	3.1	2.8	2.5	2.6	3.1	3.4	3.6	3.5	3.5	3.6
75°	3.4	3.1	3.0	3.0	3.2	3.5	3.6	3.8	4.0	4.0	3.9
72.5°	3.5	3.4	3.4	3.6	3.6	3.8	4.1	4.5	4.8	4.7	4.7
70°	3.6	3.6	3.6	3.6	3.7	4.1	4.7	5.3	5.6	5.9	6.5
67.5°	3.6	3.6	3.6	3.7	4.1	4.7	5.4	6.8	8.5	9.2	9.9
65°	3.6	3.6	3.7	4.1	4.7	5.6	7.1	9.2	12.7	14.4	15.1
62.5°	3.6	3.7	4.0	4.6	5.3	6.5	9.6	13.5	17.9	20.3	19.9
60°	3.6	3.7	4.5	5.4	6.3	9.0	12.9	17.4	23.1	27.2	24.4
57.5°	3.7	4.2	5.3	6.5	8.5	11.2	15.2	20.6	26.4	32.5	28.1
55°	4.1	5.1	6.3	7.9	10.1	12.1	16.2	21.2	27.6	31.5	27.7
52.5°	5.0	6.0	7.1	9.0	11.1	12.7	15.1	19.9	23.6	26.8	24.7
50°	5.7	6.5	7.7	9.8	11.7	12.7	12.5	16.2	19.3	20.7	21.0
47.5°	6.2	7.0	8.4	10.6	12.1	12.3	11.2	13.0	15.4	16.9	16.4
45°	6.6	7.8	9.3	11.2	12.3	11.9	11.7	11.0	14.0	15.2	15.5
42.5°	7.1	8.7	10.5	11.9	12.4	13.0	13.3	13.4	14.9	17.8	19.4
40°	7.8	9.5	11.9	13.2	13.4	15.4	17.6	19.2	20.2	24.3	27.1
37.5°	8.5	11.0	13.9	16.0	16.3	19.9	23.2	33.7	35.9	32.8	43.1
35°	9.2	12.7	17.6	22.6	25.4	26.4	40.9	55.1	61.3	60.0	68.7
32.5°	10.5	14.6	22.3	33.8	45.0	47.9	63.4	87.5	109.0	117.7	112.4
30°	12.6	19.0	30.0	47.9	73.5	101.6	106.0	132.8	176.2	211.8	264.9
27.5°	15.6	24.8	43.6	74.0	114.9	172.4	186.5	209.7	274.5	363.6	534.7
25°	19.2	39.4	59.1	108.8	184.4	251.8	278.4	322.2	397.3	685.4	1079.4
22.5°	27.1	59.0	91.0	148.8	265.5	335.1	383.1	456.7	635.3	1095.3	1862.1
20°	41.2	86.1	131.3	199.3	351.3	423.0	487.5	599.4	998.1	1853.4	3099.8
17.5°	57.8	115.5	173.1	260.2	397.6	495.6	595.4	745.8	1378.9	2737.6	4393.7
15°	76.3	146.5	212.3	313.0	438.1	543.5	682.8	1029.4	1983.3	3747.2	5582.1
12.5°	96.1	178.5	249.0	358.0	475.7	588.5	754.5	1271.8	2613.4	4664.4	6803.1
10°	116.5	210.9	283.2	395.9	510.1	630.2	819.4	1493.3	3057.6	5008.4	7388.0
7.5°	129.2	231.1	310.9	427.5	541.3	668.2	876.9	1688.9	3372.0	5182.0	7629.0
5°	138.7	236.2	313.6	436.8	561.1	698.5	921.8	1852.9	3567.3	5206.5	7703.3
2.5°	146.1	238.3	314.2	439.6	573.1	719.0	937.1	1907.2	3656.9	5254.2	7754.8
0°	151.0	237.7	312.6	438.6	581.3	734.6	942.6	1917.4	3658.8	5284.9	7774.1
-2.5°	159.0	246.2	328.5	457.0	590.5	737.9	950.3	1971.3	3836.3	5617.6	8360.7
-5°	164.8	252.6	341.7	471.4	596.0	736.3	949.1	1974.2	3858.6	5694.8	8384.5
-7.5°	168.3	256.8	351.7	480.0	591.2	717.8	916.6	1814.7	3519.1	5345.6	7814.8
-10°	170.4	262.2	358.8	475.0	573.5	687.4	870.6	1617.4	3113.0	4896.3	7126.4
-12.5°	174.3	268.5	363.4	469.2	557.1	653.9	816.4	1387.9	2652.0	4347.2	6328.6
-15°	175.6	272.6	365.8	463.5	543.4	617.9	754.4	1130.8	2189.8	3865.1	5538.9
-17.5°	174.0	274.6	365.9	458.8	533.6	579.9	691.0	908.6	1845.3	3397.0	4941.5
-20°	169.6	274.4	364.0	456.0	527.5	567.4	670.1	860.1	1549.3	2848.8	4377.1



REPORT NUMBER: P701331 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	162.3	272.1	360.4	451.2	526.9	578.9	652.3	799.1	1177.8	2215.6	3792.1
-25°	157.5	261.8	354.9	438.8	523.4	591.3	633.2	733.9	945.2	1732.0	3003.7
-27.5°	155.3	248.1	338.4	421.0	514.2	598.3	636.8	710.2	859.7	1200.8	2173.2
-30°	150.0	225.0	318.6	398.5	492.7	584.1	650.9	685.6	782.3	981.0	1553.0
-32.5°	139.5	201.4	292.3	374.1	462.9	563.1	653.4	687.6	750.1	864.6	1078.9
-35°	127.3	186.2	263.7	345.9	427.2	528.8	624.2	697.3	724.7	807.5	957.2
-37.5°	116.7	168.5	234.6	314.3	392.9	486.5	591.5	676.5	732.8	769.2	879.8
-40°	104.3	148.3	210.4	282.0	358.4	443.7	541.0	640.2	720.1	788.9	835.3
-42.5°	90.8	132.7	185.6	249.7	323.4	402.5	486.7	584.9	687.3	785.2	856.8
-45°	80.3	115.3	159.4	219.6	286.3	359.3	438.2	521.2	628.1	738.5	838.5
-47.5°	68.6	97.8	138.1	186.8	248.6	315.6	387.1	465.5	553.7	660.0	774.8
-50°	57.4	83.6	114.7	158.2	209.9	270.6	336.0	404.6	482.6	571.0	672.0
-52.5°	49.7	68.3	96.0	129.3	173.6	225.2	283.1	343.5	410.1	482.8	565.7
-55°	41.4	57.5	77.6	105.0	138.4	182.5	229.7	283.3	338.6	401.8	465.7
-57.5°	34.1	47.3	62.9	83.1	109.8	140.2	181.2	223.6	272.7	323.7	374.7
-60°	27.2	37.7	50.6	65.9	84.1	109.1	135.1	170.5	209.8	248.3	290.8
-62.5°	20.4	29.0	39.2	51.2	65.9	80.5	101.2	125.4	151.2	182.9	214.1
-65°	16.1	21.0	28.7	38.3	48.8	61.3	74.2	87.3	107.9	128.5	148.0
-67.5°	11.6	16.0	20.5	25.9	34.8	43.6	52.9	64.3	75.8	86.5	99.1
-70°	9.6	11.3	14.8	18.8	22.8	27.5	35.2	43.2	51.4	59.4	68.5
-72.5°	8.0	9.4	11.0	12.7	15.9	19.0	22.0	25.0	30.1	36.8	43.1
-75°	6.9	7.6	8.8	10.1	11.5	12.8	14.2	16.8	19.3	21.9	24.4
-77.5°	6.3	6.7	7.3	7.9	8.7	9.8	10.9	11.9	12.9	13.9	14.9
-80°	5.7	5.9	6.2	6.6	7.0	7.6	8.2	8.8	9.5	10.3	11.2
-82.5°	5.2	5.3	5.5	5.6	5.7	5.8	6.0	6.3	6.7	7.1	7.6
-85°	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4
-87.5°	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



REPORT NUMBER: P701331 (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°	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4	2.4	2.4
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	2.8	2.7	2.7	2.6	2.4	2.4	2.4	2.4	2.4	2.1	1.8
77.5°	3.6	3.4	3.1	2.8	2.5	2.4	2.4	2.4	2.4	2.1	1.8
75°	3.7	3.5	3.3	3.2	3.0	2.9	2.8	2.7	2.4	2.4	2.3
72.5°	4.6	4.5	4.5	4.5	4.5	4.4	4.2	3.8	3.4	3.4	3.5
70°	6.9	7.1	7.1	7.0	6.6	6.1	5.6	5.2	4.7	4.6	4.6
67.5°	10.5	10.7	10.3	9.6	8.3	7.2	6.6	5.9	5.2	4.9	5.2
65°	14.9	13.2	11.8	10.5	9.4	8.4	7.6	6.8	6.0	5.9	6.6
62.5°	17.8	14.0	11.9	10.8	10.1	9.4	8.3	7.3	6.4	6.0	6.1
60°	20.3	14.9	11.3	10.3	9.4	8.4	7.3	6.4	5.7	5.1	5.0
57.5°	21.5	15.2	10.3	9.0	7.7	6.4	5.8	5.6	5.2	4.8	5.1
55°	20.7	14.2	8.8	7.8	7.4	7.1	6.9	6.3	5.9	5.5	5.7
52.5°	17.7	12.9	9.3	8.1	7.8	7.4	7.1	6.9	6.8	6.7	6.8
50°	15.8	12.0	9.6	8.2	8.2	8.2	8.2	8.3	8.5	8.6	8.6
47.5°	14.1	11.3	10.7	9.4	9.6	10.4	10.5	10.7	11.3	11.2	11.0
45°	14.1	15.1	14.8	14.0	13.5	18.7	19.0	15.9	19.0	18.6	16.3
42.5°	20.6	22.1	22.4	27.6	37.3	36.8	35.8	40.5	37.3	32.6	29.3
40°	31.9	31.9	37.9	46.6	46.2	44.4	50.3	51.1	50.7	53.4	52.5
37.5°	50.8	51.5	54.2	59.4	68.4	64.1	77.0	85.3	86.6	98.1	107.0
35°	84.5	99.1	86.1	117.0	137.2	132.9	151.6	185.1	153.5	235.1	249.8
32.5°	158.5	191.1	216.2	251.4	297.1	364.3	369.3	607.6	655.3	796.0	988.4
30°	272.9	367.4	549.3	596.7	670.0	948.9	1278.7	1691.3	2074.9	2348.9	2709.3
27.5°	656.9	813.2	1204.9	1630.3	1605.5	2126.6	3306.1	3669.0	4665.0	4996.3	5837.1
25°	1469.4	1843.7	2791.6	3636.4	4066.9	5440.0	6996.2	7698.0	9010.0	9707.6	10736.8
22.5°	2873.5	3900.4	5157.6	6454.9	8071.5	10173.9	12097.6	13501.9	15268.5	16686.7	17526.2
20°	4650.9	6071.8	8008.0	10023.2	12523.7	15285.7	17293.6	20138.6	22795.6	25318.6	26456.6
17.5°	6343.5	8717.5	11059.9	13492.3	16772.3	20385.3	23657.8	27818.6	32224.2	35612.2	38374.1
15°	7777.6	10419.3	13799.0	16705.9	20460.2	24965.6	29830.7	35150.2	41486.0	46301.5	51487.4
12.5°	9101.5	11750.3	15417.3	18889.1	23944.2	29032.8	34710.3	41319.8	48643.9	55767.3	62449.5
10°	9953.9	13006.6	16936.2	21154.0	26332.3	32241.1	38699.5	46103.9	55489.7	63633.5	71161.7
7.5°	10469.5	14152.4	18221.4	22718.9	28262.4	34342.7	41144.3	49873.2	59734.8	68241.3	75004.4
5°	10976.6	15091.1	19050.9	23473.3	29518.6	35705.9	42340.2	51096.0	61267.4	69782.0	75855.3
2.5°	11485.2	15737.3	19506.7	23773.4	30231.8	36476.3	43500.4	52828.6	63052.5	70872.4	76148.0
0°	11950.0	15967.8	19670.6	23848.8	30542.4	36812.8	43964.0	53175.2	64580.7	72101.6	77209.4
-2.5°	12118.6	15955.3	19493.2	23636.0	30283.1	36352.2	43469.5	53396.3	64040.0	71692.8	76879.4
-5°	11605.9	15087.6	18530.7	22726.9	28905.9	35170.4	42335.6	52178.8	62282.4	70205.1	75150.9
-7.5°	10641.9	13787.8	17174.3	21332.5	26946.8	33000.5	39523.0	48120.9	58067.7	65448.4	69343.8
-10°	9632.9	12331.2	15530.5	19379.0	24326.4	30075.4	35482.0	42797.9	51991.3	58534.7	62521.1
-12.5°	8479.5	10669.1	13622.0	16985.8	21402.0	26414.0	31359.1	37547.0	44568.1	51298.2	55448.4
-15°	7268.7	9030.9	11596.5	14824.3	18312.0	22060.8	26633.7	31646.2	37244.6	42699.8	47427.7
-17.5°	6299.5	7659.3	10013.7	12914.5	15573.9	18615.2	23072.2	27147.1	31244.3	35643.9	39582.6
-20°	5676.1	6952.6	8854.4	11276.4	13914.5	16980.3	20424.5	23988.5	27797.1	31175.0	34646.5



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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°	5178.6	6490.5	7957.9	9976.5	12784.5	15601.0	18250.6	20978.0	24137.8	27588.1	30496.3
-25°	4532.3	5908.1	7302.2	9222.1	11586.3	14075.7	16026.4	17968.4	20819.4	23753.7	26157.9
-27.5°	3633.5	5189.1	6816.8	8379.4	10394.8	12165.3	13879.4	15639.4	18125.3	20602.2	22398.6
-30°	2592.8	4389.5	6080.0	7676.7	9060.4	10454.6	11888.2	13689.8	15767.9	17760.9	19287.9
-32.5°	1897.2	3243.5	5071.6	6701.3	8055.4	9222.5	10323.6	11926.6	13552.4	15150.5	16610.0
-35°	1210.6	2194.6	3619.2	5278.7	6868.4	8107.5	9304.6	10466.1	11688.0	13050.0	14313.0
-37.5°	1042.4	1306.9	2182.1	3420.2	4943.8	6562.9	7739.9	8896.2	10143.5	11166.8	12228.6
-40°	944.7	1082.9	1304.6	1743.7	2894.2	4036.4	5358.8	6595.6	7787.8	8838.2	9808.4
-42.5°	902.1	984.8	1074.3	1240.9	1426.5	1974.2	2938.3	3838.7	4899.9	5954.2	6875.1
-45°	923.6	952.1	997.7	1079.6	1155.5	1309.8	1472.3	1642.0	2367.1	3127.4	3778.9
-47.5°	864.5	947.3	991.5	1027.2	1066.2	1133.3	1202.8	1297.3	1460.7	1626.4	1757.7
-50°	766.4	854.6	932.1	1008.6	1045.5	1072.3	1101.0	1156.4	1232.2	1310.2	1367.7
-52.5°	644.3	729.7	815.0	892.4	955.5	1016.5	1076.7	1122.1	1161.8	1201.0	1219.9
-55°	535.2	606.4	675.1	744.8	813.6	878.8	945.6	1013.5	1076.7	1135.0	1163.9
-57.5°	432.5	492.3	551.4	604.5	659.4	715.2	777.0	843.0	908.3	969.3	1000.9
-60°	335.2	381.0	429.3	472.7	513.5	551.6	605.1	659.2	711.1	755.3	778.7
-62.5°	245.1	280.6	317.3	351.8	384.5	416.9	457.1	496.3	533.9	564.3	582.0
-65°	169.9	196.4	221.0	244.8	267.9	295.5	326.0	355.3	383.2	404.0	415.7
-67.5°	115.9	131.7	145.5	158.3	174.9	194.4	215.7	235.8	254.5	268.1	277.1
-70°	77.5	86.0	93.6	102.3	112.9	123.5	135.0	146.4	157.5	165.1	169.9
-72.5°	49.1	54.5	59.7	65.7	71.4	77.0	82.6	87.8	92.6	97.0	101.1
-75°	26.9	29.8	33.9	37.7	41.2	45.0	48.7	51.9	54.7	56.7	58.1
-77.5°	16.5	18.4	20.0	21.5	22.8	24.5	26.4	28.3	30.3	31.6	32.6
-80°	12.0	12.6	13.1	13.7	14.3	14.9	15.3	15.7	15.9	16.4	16.9
-82.5°	8.1	8.4	8.8	9.1	9.3	9.9	10.4	10.9	11.4	11.8	12.2
-85°	5.5	5.5	5.4	5.4	5.5	5.8	6.1	6.5	6.9	6.9	7.0
-87.5°	4.6	4.4	4.1	3.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
87.5°	1.2	1.2	1.2	1.2	1.2	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	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.7
72.5°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.8
70°	4.7	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.7	5.2
67.5°	5.5	5.8	5.9	5.9	5.9	5.8	5.5	5.2	4.9	5.2	5.9
65°	7.3	8.1	7.7	7.1	7.7	8.1	7.3	6.6	5.9	6.0	6.8
62.5°	6.1	6.0	5.9	5.9	5.9	6.0	6.1	6.1	6.0	6.4	7.3
60°	4.9	4.9	4.8	4.8	4.8	4.9	4.9	5.0	5.1	5.7	6.4
57.5°	5.4	5.7	5.9	5.9	5.9	5.7	5.4	5.1	4.8	5.2	5.6
55°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.9	6.3
52.5°	6.9	7.0	7.1	7.1	7.1	7.0	6.9	6.8	6.7	6.8	6.9
50°	8.6	8.4	8.3	8.3	8.3	8.4	8.6	8.6	8.6	8.5	8.3
47.5°	10.9	10.7	10.7	10.7	10.7	10.7	10.9	11.0	11.2	11.3	10.7
45°	16.3	15.8	15.4	15.5	15.4	15.8	16.3	16.3	18.6	19.0	15.9
42.5°	31.1	32.2	33.5	35.7	33.5	32.2	31.1	29.3	32.6	37.3	40.5
40°	53.0	51.5	49.5	49.9	49.5	51.5	53.0	52.5	53.4	50.7	51.1
37.5°	110.3	106.1	98.1	92.7	98.1	106.1	110.3	107.0	98.1	86.6	85.3
35°	226.6	221.3	208.2	204.5	208.2	221.3	226.6	249.8	235.1	153.5	185.1
32.5°	1066.7	1189.0	1227.4	1229.1	1227.4	1189.0	1066.7	988.4	796.0	655.3	607.6
30°	2737.4	2707.6	2443.5	2171.7	2443.5	2707.6	2737.4	2709.3	2348.9	2074.9	1691.3
27.5°	6588.0	7392.9	7974.2	7786.0	7974.2	7392.9	6588.0	5837.1	4996.3	4665.0	3669.0
25°	11865.7	12435.3	12622.2	12344.6	12622.2	12435.3	11865.7	10736.8	9707.6	9010.0	7698.0
22.5°	18628.9	18971.0	18941.2	18316.6	18941.2	18971.0	18628.9	17526.2	16686.7	15268.5	13501.9
20°	28053.6	27999.1	28279.3	27008.4	28279.3	27999.1	28053.6	26456.6	25318.6	22795.6	20138.6
17.5°	41383.5	43572.9	45239.8	45080.1	45239.8	43572.9	41383.5	38374.1	35612.2	32224.2	27818.6
15°	55543.5	58851.6	61112.7	61259.5	61112.7	58851.6	55543.5	51487.4	46301.5	41486.0	35150.2
12.5°	67852.4	71390.1	73310.5	73018.7	73310.5	71390.1	67852.4	62449.5	55767.3	48643.9	41319.8
10°	75693.4	78416.5	80437.5	80939.6	80437.5	78416.5	75693.4	71161.7	63633.5	55489.7	46103.9
7.5°	78837.6	81386.2	83147.9	83121.5	83147.9	81386.2	78837.6	75004.4	68241.3	59734.8	49873.2
5°	79419.5	81928.8	82925.9	83114.9	82925.9	81928.8	79419.5	75855.3	69782.0	61267.4	51096.0
2.5°	79991.7	82072.1	83155.9	82744.0	83155.9	82072.1	79991.7	76148.0	70872.4	63052.5	52828.6
0°	80215.6	81883.4	82730.3	82468.2	82730.3	81883.4	80215.6	77209.4	72101.6	64580.7	53175.2
-2.5°	80138.9	81236.0	81953.0	81705.1	81953.0	81236.0	80138.9	76879.4	71692.8	64040.0	53396.3
-5°	78088.2	79032.9	79367.0	79550.0	79367.0	79032.9	78088.2	75150.9	70205.1	62282.4	52178.8
-7.5°	71497.8	72739.5	72340.3	72942.6	72340.3	72739.5	71497.8	69343.8	65448.4	58067.7	48120.9
-10°	64978.2	66186.6	65772.0	66160.5	65772.0	66186.6	64978.2	62521.1	58534.7	51991.3	42797.9
-12.5°	58830.4	60350.4	60327.8	60879.1	60327.8	60350.4	58830.4	55448.4	51298.2	44568.1	37547.0
-15°	51439.1	53375.0	54429.3	55105.6	54429.3	53375.0	51439.1	47427.7	42699.8	37244.6	31646.2
-17.5°	43631.5	46121.0	47894.6	48167.2	47894.6	46121.0	43631.5	39582.6	35643.9	31244.3	27147.1
-20°	37629.0	39873.3	41542.6	42081.1	41542.6	39873.3	37629.0	34646.5	31175.0	27797.1	23988.5



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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°	32600.7	34452.8	35659.6	35956.9	35659.6	34452.8	32600.7	30496.3	27588.1	24137.8	20978.0
-25°	27733.1	28768.6	29402.1	29641.3	29402.1	28768.6	27733.1	26157.9	23753.7	20819.4	17968.4
-27.5°	23771.4	24510.0	24826.2	24950.7	24826.2	24510.0	23771.4	22398.6	20602.2	18125.3	15639.4
-30°	20455.1	21022.3	21369.8	21498.8	21369.8	21022.3	20455.1	19287.9	17760.9	15767.9	13689.8
-32.5°	17725.2	18289.8	18656.0	18787.4	18656.0	18289.8	17725.2	16610.0	15150.5	13552.4	11926.6
-35°	15169.2	15635.9	15969.5	16124.7	15969.5	15635.9	15169.2	14313.0	13050.0	11688.0	10466.1
-37.5°	12909.8	13330.9	13608.7	13695.0	13608.7	13330.9	12909.8	12228.6	11166.8	10143.5	8896.2
-40°	10355.1	10735.0	10946.4	10936.0	10946.4	10735.0	10355.1	9808.4	8838.2	7787.8	6595.6
-42.5°	7419.2	7803.0	8074.2	8278.1	8074.2	7803.0	7419.2	6875.1	5954.2	4899.9	3838.7
-45°	4215.0	4530.3	4733.3	4828.5	4733.3	4530.3	4215.0	3778.9	3127.4	2367.1	1642.0
-47.5°	1835.7	1893.0	1921.8	1922.1	1921.8	1893.0	1835.7	1757.7	1626.4	1460.7	1297.3
-50°	1409.3	1445.3	1466.0	1471.6	1466.0	1445.3	1409.3	1367.7	1310.2	1232.2	1156.4
-52.5°	1233.1	1245.6	1251.2	1251.7	1251.2	1245.6	1233.1	1219.9	1201.0	1161.8	1122.1
-55°	1188.3	1209.0	1217.3	1216.0	1217.3	1209.0	1188.3	1163.9	1135.0	1076.7	1013.5
-57.5°	1027.2	1047.9	1059.9	1063.9	1059.9	1047.9	1027.2	1000.9	969.3	908.3	843.0
-60°	796.9	809.9	821.1	828.5	821.1	809.9	796.9	778.7	755.3	711.1	659.2
-62.5°	596.5	607.3	617.8	625.3	617.8	607.3	596.5	582.0	564.3	533.9	496.3
-65°	424.3	429.7	438.4	445.8	438.4	429.7	424.3	415.7	404.0	383.2	355.3
-67.5°	284.2	289.4	292.6	293.6	292.6	289.4	284.2	277.1	268.1	254.5	235.8
-70°	173.1	175.1	178.8	181.9	178.8	175.1	173.1	169.9	165.1	157.5	146.4
-72.5°	104.8	107.9	107.9	107.0	107.9	107.9	104.8	101.1	97.0	92.6	87.8
-75°	59.2	60.0	60.4	60.6	60.4	60.0	59.2	58.1	56.7	54.7	51.9
-77.5°	33.5	34.2	33.8	33.3	33.8	34.2	33.5	32.6	31.6	30.3	28.3
-80°	17.3	17.7	17.8	17.8	17.8	17.7	17.3	16.9	16.4	15.9	15.7
-82.5°	12.6	13.0	12.5	11.9	12.5	13.0	12.6	12.2	11.8	11.4	10.9
-85°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.5
-87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-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°	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5
80°	2.4	2.4	2.4	2.6	2.7	2.7	2.8	2.9	3.1	3.3	3.3
77.5°	2.4	2.4	2.5	2.8	3.1	3.4	3.6	3.6	3.5	3.5	3.6
75°	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.9	4.0	4.0	3.8
72.5°	4.2	4.4	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.8	4.5
70°	5.6	6.1	6.6	7.0	7.1	7.1	6.9	6.5	5.9	5.6	5.3
67.5°	6.6	7.2	8.3	9.6	10.3	10.7	10.5	9.9	9.2	8.5	6.8
65°	7.6	8.4	9.4	10.5	11.8	13.2	14.9	15.1	14.4	12.7	9.2
62.5°	8.3	9.4	10.1	10.8	11.9	14.0	17.8	19.9	20.3	17.9	13.5
60°	7.3	8.4	9.4	10.3	11.3	14.9	20.3	24.4	27.2	23.1	17.4
57.5°	5.8	6.4	7.7	9.0	10.3	15.2	21.5	28.1	32.5	26.4	20.6
55°	6.9	7.1	7.4	7.8	8.8	14.2	20.7	27.7	31.5	27.6	21.2
52.5°	7.1	7.4	7.8	8.1	9.3	12.9	17.7	24.7	26.8	23.6	19.9
50°	8.2	8.2	8.2	8.2	9.6	12.0	15.8	21.0	20.7	19.3	16.2
47.5°	10.5	10.4	9.6	9.4	10.7	11.3	14.1	16.4	16.9	15.4	13.0
45°	19.0	18.7	13.5	14.0	14.8	15.1	14.1	15.5	15.2	14.0	11.0
42.5°	35.8	36.8	37.3	27.6	22.4	22.1	20.6	19.4	17.8	14.9	13.4
40°	50.3	44.4	46.2	46.6	37.9	31.9	31.9	27.1	24.3	20.2	19.2
37.5°	77.0	64.1	68.4	59.4	54.2	51.5	50.8	43.1	32.8	35.9	33.7
35°	151.6	132.9	137.2	117.0	86.1	99.1	84.5	68.7	60.0	61.3	55.1
32.5°	369.3	364.3	297.1	251.4	216.2	191.1	158.5	112.4	117.7	109.0	87.5
30°	1278.7	948.9	670.0	596.7	549.3	367.4	272.9	264.9	211.8	176.2	132.8
27.5°	3306.1	2126.6	1605.5	1630.3	1204.9	813.2	656.9	534.7	363.6	274.5	209.7
25°	6996.2	5440.0	4066.9	3636.4	2791.6	1843.7	1469.4	1079.4	685.4	397.3	322.2
22.5°	12097.6	10173.9	8071.5	6454.9	5157.6	3900.4	2873.5	1862.1	1095.3	635.3	456.7
20°	17293.6	15285.7	12523.7	10023.2	8008.0	6071.8	4650.9	3099.8	1853.4	998.1	599.4
17.5°	23657.8	20385.3	16772.3	13492.3	11059.9	8717.5	6343.5	4393.7	2737.6	1378.9	745.8
15°	29830.7	24965.6	20460.2	16705.9	13799.0	10419.3	7777.6	5582.1	3747.2	1983.3	1029.4
12.5°	34710.3	29032.8	23944.2	18889.1	15417.3	11750.3	9101.5	6803.1	4664.4	2613.4	1271.8
10°	38699.5	32241.1	26332.3	21154.0	16936.2	13006.6	9953.9	7388.0	5008.4	3057.6	1493.3
7.5°	41144.3	34342.7	28262.4	22718.9	18221.4	14152.4	10469.5	7629.0	5182.0	3372.0	1688.9
5°	42340.2	35705.9	29518.6	23473.3	19050.9	15091.1	10976.6	7703.3	5206.5	3567.3	1852.9
2.5°	43500.4	36476.3	30231.8	23773.4	19506.7	15737.3	11485.2	7754.8	5254.2	3656.9	1907.2
0°	43964.0	36812.8	30542.4	23848.8	19670.6	15967.8	11950.0	7774.1	5284.9	3658.8	1917.4
-2.5°	43469.5	36352.2	30283.1	23636.0	19493.2	15955.3	12118.6	8360.7	5617.6	3836.3	1971.3
-5°	42335.6	35170.4	28905.9	22726.9	18530.7	15087.6	11605.9	8384.5	5694.8	3858.6	1974.2
-7.5°	39523.0	33000.5	26946.8	21332.5	17174.3	13787.8	10641.9	7814.8	5345.6	3519.1	1814.7
-10°	35482.0	30075.4	24326.4	19379.0	15530.5	12331.2	9632.9	7126.4	4896.3	3113.0	1617.4
-12.5°	31359.1	26414.0	21402.0	16985.8	13622.0	10669.1	8479.5	6328.6	4347.2	2652.0	1387.9
-15°	26633.7	22060.8	18312.0	14824.3	11596.5	9030.9	7268.7	5538.9	3865.1	2189.8	1130.8
-17.5°	23072.2	18615.2	15573.9	12914.5	10013.7	7659.3	6299.5	4941.5	3397.0	1845.3	908.6
-20°	20424.5	16980.3	13914.5	11276.4	8854.4	6952.6	5676.1	4377.1	2848.8	1549.3	860.1



REPORT NUMBER: P701331 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18250.6	15601.0	12784.5	9976.5	7957.9	6490.5	5178.6	3792.1	2215.6	1177.8	799.1
-25°	16026.4	14075.7	11586.3	9222.1	7302.2	5908.1	4532.3	3003.7	1732.0	945.2	733.9
-27.5°	13879.4	12165.3	10394.8	8379.4	6816.8	5189.1	3633.5	2173.2	1200.8	859.7	710.2
-30°	11888.2	10454.6	9060.4	7676.7	6080.0	4389.5	2592.8	1553.0	981.0	782.3	685.6
-32.5°	10323.6	9222.5	8055.4	6701.3	5071.6	3243.5	1897.2	1078.9	864.6	750.1	687.6
-35°	9304.6	8107.5	6868.4	5278.7	3619.2	2194.6	1210.6	957.2	807.5	724.7	697.3
-37.5°	7739.9	6562.9	4943.8	3420.2	2182.1	1306.9	1042.4	879.8	769.2	732.8	676.5
-40°	5358.8	4036.4	2894.2	1743.7	1304.6	1082.9	944.7	835.3	788.9	720.1	640.2
-42.5°	2938.3	1974.2	1426.5	1240.9	1074.3	984.8	902.1	856.8	785.2	687.3	584.9
-45°	1472.3	1309.8	1155.5	1079.6	997.7	952.1	923.6	838.5	738.5	628.1	521.2
-47.5°	1202.8	1133.3	1066.2	1027.2	991.5	947.3	864.5	774.8	660.0	553.7	465.5
-50°	1101.0	1072.3	1045.5	1008.6	932.1	854.6	766.4	672.0	571.0	482.6	404.6
-52.5°	1076.7	1016.5	955.5	892.4	815.0	729.7	644.3	565.7	482.8	410.1	343.5
-55°	945.6	878.8	813.6	744.8	675.1	606.4	535.2	465.7	401.8	338.6	283.3
-57.5°	777.0	715.2	659.4	604.5	551.4	492.3	432.5	374.7	323.7	272.7	223.6
-60°	605.1	551.6	513.5	472.7	429.3	381.0	335.2	290.8	248.3	209.8	170.5
-62.5°	457.1	416.9	384.5	351.8	317.3	280.6	245.1	214.1	182.9	151.2	125.4
-65°	326.0	295.5	267.9	244.8	221.0	196.4	169.9	148.0	128.5	107.9	87.3
-67.5°	215.7	194.4	174.9	158.3	145.5	131.7	115.9	99.1	86.5	75.8	64.3
-70°	135.0	123.5	112.9	102.3	93.6	86.0	77.5	68.5	59.4	51.4	43.2
-72.5°	82.6	77.0	71.4	65.7	59.7	54.5	49.1	43.1	36.8	30.1	25.0
-75°	48.7	45.0	41.2	37.7	33.9	29.8	26.9	24.4	21.9	19.3	16.8
-77.5°	26.4	24.5	22.8	21.5	20.0	18.4	16.5	14.9	13.9	12.9	11.9
-80°	15.3	14.9	14.3	13.7	13.1	12.6	12.0	11.2	10.3	9.5	8.8
-82.5°	10.4	9.9	9.3	9.1	8.8	8.4	8.1	7.6	7.1	6.7	6.3
-85°	6.1	5.8	5.5	5.4	5.4	5.5	5.5	5.4	5.4	5.3	5.3
-87.5°	3.6	3.6	3.6	3.9	4.1	4.4	4.6	4.6	4.5	4.5	4.4
-90°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4





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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	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3
82.5°	2.4	2.4	2.4	2.4	2.6	2.7	2.8	2.7	2.8	3.0	3.3
80°	3.0	2.7	2.5	2.4	2.7	3.0	3.2	3.2	3.2	3.2	3.4
77.5°	3.4	3.1	2.6	2.5	2.8	3.1	3.4	3.6	3.5	3.4	3.5
75°	3.6	3.5	3.2	3.0	3.0	3.1	3.4	3.6	3.6	3.6	3.6
72.5°	4.1	3.8	3.6	3.6	3.4	3.4	3.5	3.6	3.6	3.6	3.6
70°	4.7	4.1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
67.5°	5.4	4.7	4.1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6
65°	7.1	5.6	4.7	4.1	3.7	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	9.6	6.5	5.3	4.6	4.0	3.7	3.6	3.6	3.6	3.6	3.6
60°	12.9	9.0	6.3	5.4	4.5	3.7	3.6	3.6	3.6	3.6	3.6
57.5°	15.2	11.2	8.5	6.5	5.3	4.2	3.7	3.7	3.6	3.6	3.6
55°	16.2	12.1	10.1	7.9	6.3	5.1	4.1	3.9	3.7	3.6	3.7
52.5°	15.1	12.7	11.1	9.0	7.1	6.0	5.0	4.1	3.9	3.6	3.7
50°	12.5	12.7	11.7	9.8	7.7	6.5	5.7	4.7	4.2	3.7	3.8
47.5°	11.2	12.3	12.1	10.6	8.4	7.0	6.2	5.3	4.6	4.0	3.8
45°	11.7	11.9	12.3	11.2	9.3	7.8	6.6	5.8	5.0	4.4	3.9
42.5°	13.3	13.0	12.4	11.9	10.5	8.7	7.1	6.2	5.4	4.7	4.1
40°	17.6	15.4	13.4	13.2	11.9	9.5	7.8	6.6	5.7	5.1	4.4
37.5°	23.2	19.9	16.3	16.0	13.9	11.0	8.5	6.9	6.1	5.4	4.7
35°	40.9	26.4	25.4	22.6	17.6	12.7	9.2	7.4	6.5	5.7	5.0
32.5°	63.4	47.9	45.0	33.8	22.3	14.6	10.5	8.3	7.0	6.0	5.3
30°	106.0	101.6	73.5	47.9	30.0	19.0	12.6	9.5	7.5	6.3	5.5
27.5°	186.5	172.4	114.9	74.0	43.6	24.8	15.6	10.8	8.0	6.7	5.8
25°	278.4	251.8	184.4	108.8	59.1	39.4	19.2	12.3	8.9	7.1	6.0
22.5°	383.1	335.1	265.5	148.8	91.0	59.0	27.1	15.1	10.0	7.5	6.2
20°	487.5	423.0	351.3	199.3	131.3	86.1	41.2	18.2	11.2	7.9	6.4
17.5°	595.4	495.6	397.6	260.2	173.1	115.5	57.8	21.3	12.4	8.3	6.7
15°	682.8	543.5	438.1	313.0	212.3	146.5	76.3	24.6	13.7	8.7	6.8
12.5°	754.5	588.5	475.7	358.0	249.0	178.5	96.1	27.9	14.9	9.1	6.9
10°	819.4	630.2	510.1	395.9	283.2	210.9	116.5	31.2	16.3	9.5	7.0
7.5°	876.9	668.2	541.3	427.5	310.9	231.1	129.2	34.2	17.7	9.8	7.0
5°	921.8	698.5	561.1	436.8	313.6	236.2	138.7	37.0	19.1	10.2	7.1
2.5°	937.1	719.0	573.1	439.6	314.2	238.3	146.1	39.5	20.3	10.5	7.1
0°	942.6	734.6	581.3	438.6	312.6	237.7	151.0	41.6	21.4	10.7	7.1
-2.5°	950.3	737.9	590.5	457.0	328.5	246.2	159.0	51.9	27.9	14.3	8.4
-5°	949.1	736.3	596.0	471.4	341.7	252.6	164.8	61.6	34.1	17.8	9.7
-7.5°	916.6	717.8	591.2	480.0	351.7	256.8	168.3	70.4	39.8	21.0	10.8
-10°	870.6	687.4	573.5	475.0	358.8	262.2	170.4	78.2	44.9	23.8	11.8
-12.5°	816.4	653.9	557.1	469.2	363.4	268.5	174.3	85.7	49.3	26.1	12.7
-15°	754.4	617.9	543.4	463.5	365.8	272.6	175.6	92.1	53.5	28.2	13.3
-17.5°	691.0	579.9	533.6	458.8	365.9	274.6	174.0	96.7	56.8	30.3	14.2
-20°	670.1	567.4	527.5	456.0	364.0	274.4	169.6	99.4	58.9	31.8	15.4



REPORT NUMBER: P701331 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	652.3	578.9	526.9	451.2	360.4	272.1	162.3	100.1	59.8	32.5	16.2
-25°	633.2	591.3	523.4	438.8	354.9	261.8	157.5	98.5	59.5	32.4	16.7
-27.5°	636.8	598.3	514.2	421.0	338.4	248.1	155.3	97.8	58.4	31.5	16.7
-30°	650.9	584.1	492.7	398.5	318.6	225.0	150.0	95.5	57.3	31.0	16.3
-32.5°	653.4	563.1	462.9	374.1	292.3	201.4	139.5	91.3	55.0	30.5	16.2
-35°	624.2	528.8	427.2	345.9	263.7	186.2	127.3	85.3	51.6	29.3	15.9
-37.5°	591.5	486.5	392.9	314.3	234.6	168.5	116.7	77.4	47.0	27.6	15.3
-40°	541.0	443.7	358.4	282.0	210.4	148.3	104.3	69.8	43.6	25.2	14.3
-42.5°	486.7	402.5	323.4	249.7	185.6	132.7	90.8	61.2	39.5	23.2	13.0
-45°	438.2	359.3	286.3	219.6	159.4	115.3	80.3	52.3	34.9	21.2	11.7
-47.5°	387.1	315.6	248.6	186.8	138.1	97.8	68.6	46.6	29.8	18.8	10.8
-50°	336.0	270.6	209.9	158.2	114.7	83.6	57.4	40.2	26.3	15.8	9.7
-52.5°	283.1	225.2	173.6	129.3	96.0	68.3	49.7	33.7	22.4	13.6	8.3
-55°	229.7	182.5	138.4	105.0	77.6	57.5	41.4	28.6	18.1	11.8	6.9
-57.5°	181.2	140.2	109.8	83.1	62.9	47.3	34.1	23.1	15.1	9.7	6.7
-60°	135.1	109.1	84.1	65.9	50.6	37.7	27.2	18.1	12.5	7.9	6.5
-62.5°	101.2	80.5	65.9	51.2	39.2	29.0	20.4	14.7	9.6	7.4	6.2
-65°	74.2	61.3	48.8	38.3	28.7	21.0	16.1	11.1	8.4	6.9	5.9
-67.5°	52.9	43.6	34.8	25.9	20.5	16.0	11.6	9.2	7.6	6.3	5.7
-70°	35.2	27.5	22.8	18.8	14.8	11.3	9.6	8.0	6.7	6.0	5.4
-72.5°	22.0	19.0	15.9	12.7	11.0	9.4	8.0	6.9	6.3	5.7	5.1
-75°	14.2	12.8	11.5	10.1	8.8	7.6	6.9	6.4	5.9	5.3	5.0
-77.5°	10.9	9.8	8.7	7.9	7.3	6.7	6.3	6.0	5.5	5.2	4.9
-80°	8.2	7.6	7.0	6.6	6.2	5.9	5.7	5.5	5.2	5.0	4.8
-82.5°	6.0	5.8	5.7	5.6	5.5	5.3	5.2	5.1	4.9	4.8	4.7
-85°	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
-87.5°	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
57.5°	3.7	3.6	3.6	3.6	3.6	3.6	3.6
55°	3.7	3.6	3.6	3.6	3.6	3.6	3.6
52.5°	3.8	3.6	3.6	3.6	3.6	3.6	3.6
50°	3.9	3.7	3.6	3.6	3.6	3.6	3.6
47.5°	4.1	3.8	3.6	3.6	3.6	3.6	3.6
45°	4.1	4.0	3.6	3.6	3.6	3.6	3.6
42.5°	4.2	4.1	3.6	3.6	3.6	3.6	3.6
40°	4.2	4.3	3.7	3.6	3.6	3.6	3.6
37.5°	4.3	4.4	3.8	3.6	3.6	3.6	3.6
35°	4.4	4.5	3.9	3.7	3.6	3.6	3.6
32.5°	4.5	4.6	4.0	3.7	3.6	3.6	3.6
30°	4.7	4.6	4.1	3.8	3.6	3.6	3.6
27.5°	4.9	4.7	4.3	3.8	3.6	3.6	3.6
25°	5.1	4.8	4.4	3.9	3.6	3.6	3.6
22.5°	5.3	4.8	4.5	4.0	3.6	3.6	3.6
20°	5.5	4.8	4.6	4.1	3.6	3.6	3.6
17.5°	5.6	4.8	4.7	4.2	3.6	3.6	3.6
15°	5.7	4.8	4.7	4.3	3.6	3.6	3.6
12.5°	5.7	4.8	4.7	4.4	3.6	3.6	3.6
10°	5.8	4.8	4.8	4.4	3.6	3.6	3.6
7.5°	5.8	4.8	4.8	4.5	3.6	3.6	3.6
5°	5.9	4.8	4.8	4.6	3.6	3.6	3.6
2.5°	5.9	4.8	4.8	4.7	3.6	3.6	3.6
0°	5.9	4.8	4.8	4.8	3.6	3.6	3.6
-2.5°	6.2	4.9	4.8	4.8	3.7	3.6	3.6
-5°	6.5	5.0	4.8	4.8	3.7	3.6	3.6
-7.5°	6.8	5.1	4.8	4.8	3.8	3.6	3.6
-10°	7.0	5.2	4.8	4.8	3.8	3.6	3.6
-12.5°	7.2	5.3	4.8	4.7	3.8	3.6	3.6
-15°	7.4	5.4	4.8	4.7	3.9	3.6	3.6
-17.5°	7.5	5.4	4.8	4.7	3.9	3.6	3.6
-20°	7.8	5.5	4.8	4.7	4.0	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8.4	5.5	4.8	4.7	4.0	3.6	3.6
-25°	8.8	5.6	4.8	4.7	4.0	3.6	3.6
-27.5°	9.0	5.7	4.8	4.7	4.0	3.6	3.6
-30°	9.0	5.7	4.8	4.7	4.0	3.6	3.6
-32.5°	8.8	5.7	4.9	4.7	4.0	3.6	3.6
-35°	8.7	5.5	4.9	4.7	4.0	3.6	3.6
-37.5°	8.5	5.4	4.9	4.7	4.0	3.6	3.6
-40°	8.2	5.4	5.0	4.8	4.0	3.6	3.6
-42.5°	7.7	5.5	5.0	4.8	4.0	3.6	3.6
-45°	7.1	5.5	5.0	4.8	4.0	3.6	3.6
-47.5°	6.4	5.5	5.0	4.8	3.9	3.6	3.6
-50°	6.2	5.4	5.0	4.7	3.9	3.6	3.6
-52.5°	6.1	5.4	4.9	4.6	3.8	3.6	3.6
-55°	6.0	5.3	4.9	4.5	3.7	3.6	3.6
-57.5°	5.8	5.2	4.9	4.4	3.7	3.6	3.6
-60°	5.7	5.1	4.8	4.3	3.6	3.6	3.6
-62.5°	5.5	5.0	4.7	4.2	3.6	3.6	3.6
-65°	5.3	4.9	4.6	4.1	3.6	3.6	3.6
-67.5°	5.1	4.8	4.5	4.0	3.6	3.6	3.6
-70°	4.8	4.7	4.4	3.9	3.6	3.6	3.6
-72.5°	4.8	4.6	4.3	3.8	3.6	3.6	3.6
-75°	4.8	4.5	4.2	3.8	3.6	3.6	3.6
-77.5°	4.8	4.5	4.1	3.8	3.6	3.6	3.6
-80°	4.8	4.4	4.0	3.7	3.6	3.6	3.6
-82.5°	4.5	4.2	3.9	3.7	3.6	3.6	3.6
-85°	4.2	4.0	3.8	3.7	3.6	3.6	3.6
-87.5°	3.9	3.8	3.7	3.6	3.6	3.6	3.6
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6

(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

