

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: P701592 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-4S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701592 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-80-4S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

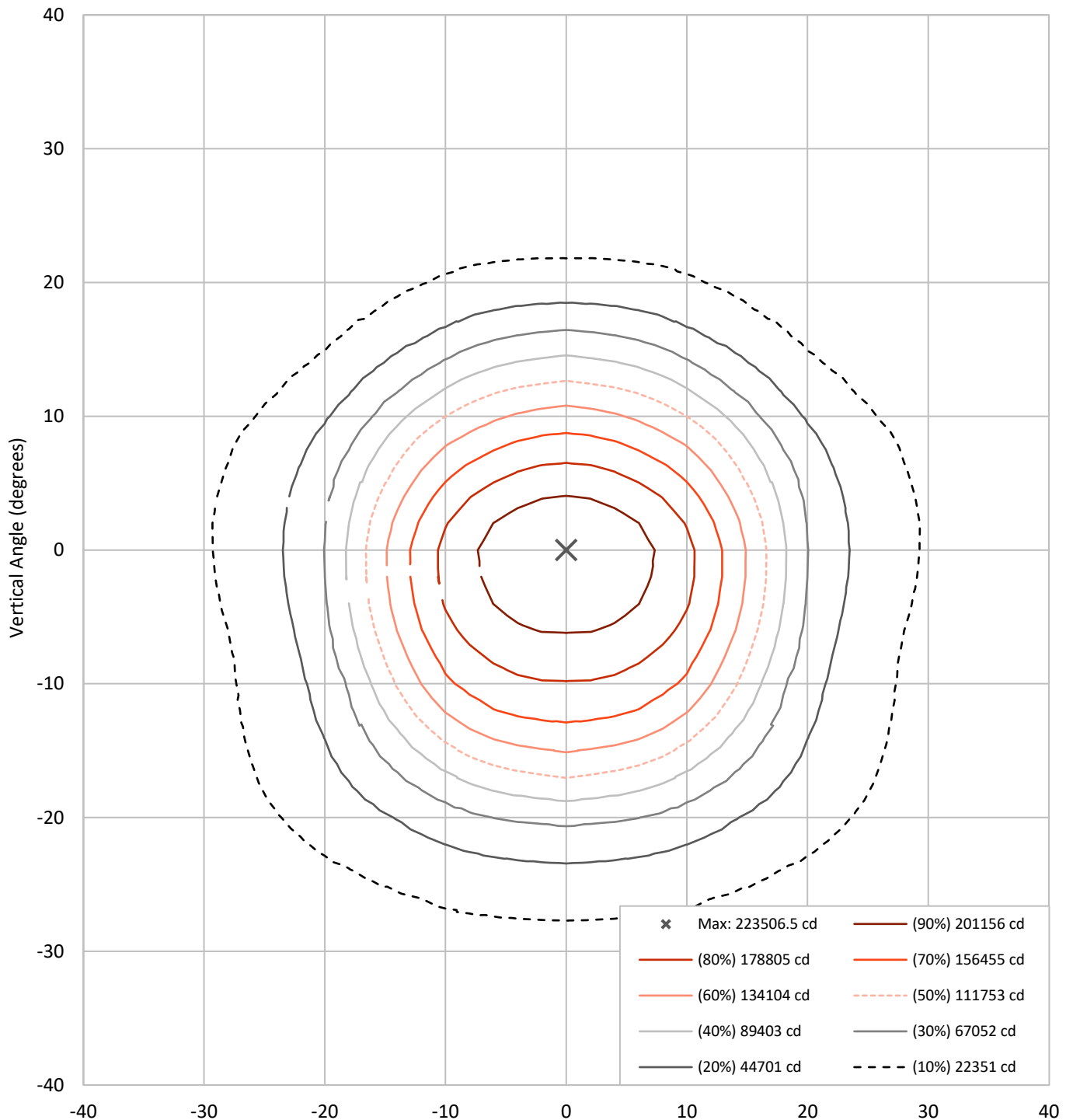
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	71532.2 lumens	Max Intensity:	223506.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	39252 lumens	Field Lumens:	62890.2 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

Input Watts (W): 658  
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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CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV2-S

### Iso-Candela Plot





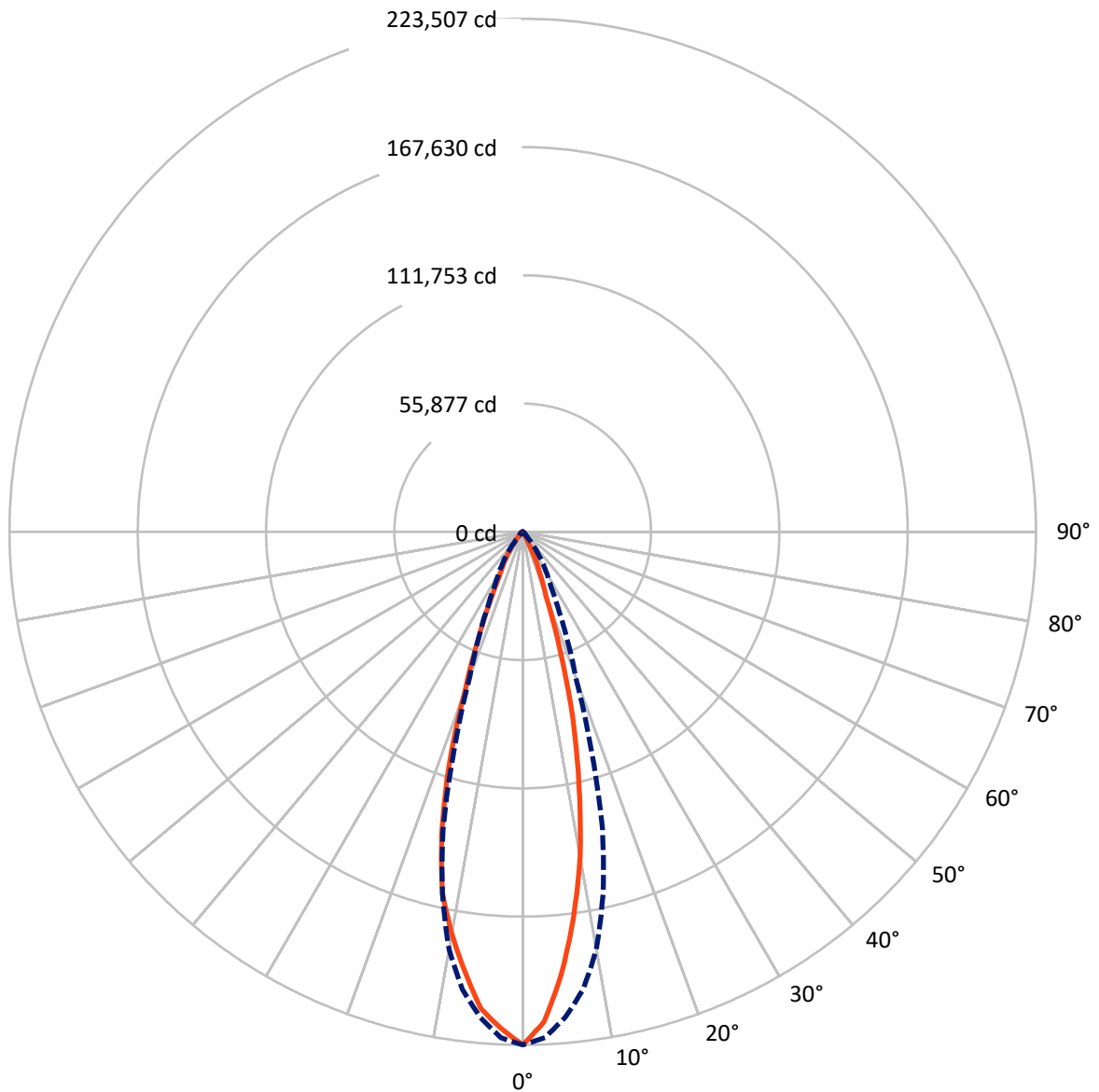
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### Lumen Table

90	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2								
80	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2								
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2	
60		0.1	0.3	0.8	0.8	0.3	0.3	0.4	0.4	0.3	0.3	0.8	0.8	0.3	0.1		
50	0.2	0.2	0.4	0.6	0.7	0.8	1.2	1.4	1.4	1.2	0.8	0.7	0.6	0.4	0.2	0.2	
40		0.2	0.8	1.7	3.0	6.7	13.5	18.6	18.6	13.5	6.7	3.0	1.7	0.8	0.2		
30	0.2	0.4	2.6	7.0	26.2	95.4	225.9	382.1	382.1	225.9	95.4	26.2	7.0	2.6	0.4	0.2	
20		0.9	5.9	18.8	115.8	401.0	1230.4	2324.6	2324.6	1230.4	401.0	115.8	18.8	5.9	0.9		
10	0.3	1.6	10.0	35.6	269.7	960.7	3186.8	5384.6	5384.6	3186.8	960.7	269.7	35.6	10.0	1.6	0.3	
0		2.7	13.3	42.1	281.1	990.7	3576.8	5911.6	5911.6	3576.8	990.7	281.1	42.1	13.3	2.7		
-10	0.5	3.2	13.6	36.3	219.4	730.3	2136.1	3731.9	3731.9	2136.1	730.3	219.4	36.3	13.6	3.2	0.5	
-20		2.9	11.7	25.0	94.8	346.6	721.4	1079.7	1079.7	721.4	346.6	94.8	25.0	11.7	2.9		
-30	0.4	2.3	8.9	17.3	32.6	93.6	212.6	300.3	300.3	212.6	93.6	32.6	17.3	8.9	2.3	0.4	
-40		1.4	6.0	13.1	21.4	32.5	47.7	62.4	62.4	47.7	32.5	21.4	13.1	6.0	1.4		
-50	0.2	0.7	3.1	8.6	15.8	22.9	29.4	33.2	33.2	29.4	22.9	15.8	8.6	3.1	0.7	0.2	
-60		0.3	1.2	3.5	7.7	13.2	19.0	22.3	22.3	19.0	13.2	7.7	3.5	1.2	0.3		
-70	0.2	0.7	3.1	8.6	15.8	22.9	29.4	33.2	33.2	29.4	22.9	15.8	8.6	3.1	0.7	0.2	
-80		0.3	1.2	3.5	7.7	13.2	19.0	22.3	22.3	19.0	13.2	7.7	3.5	1.2	0.3		
-90	0.2	0.8	2.8	7.5	10.6	7.5	2.8	0.8	0.2								

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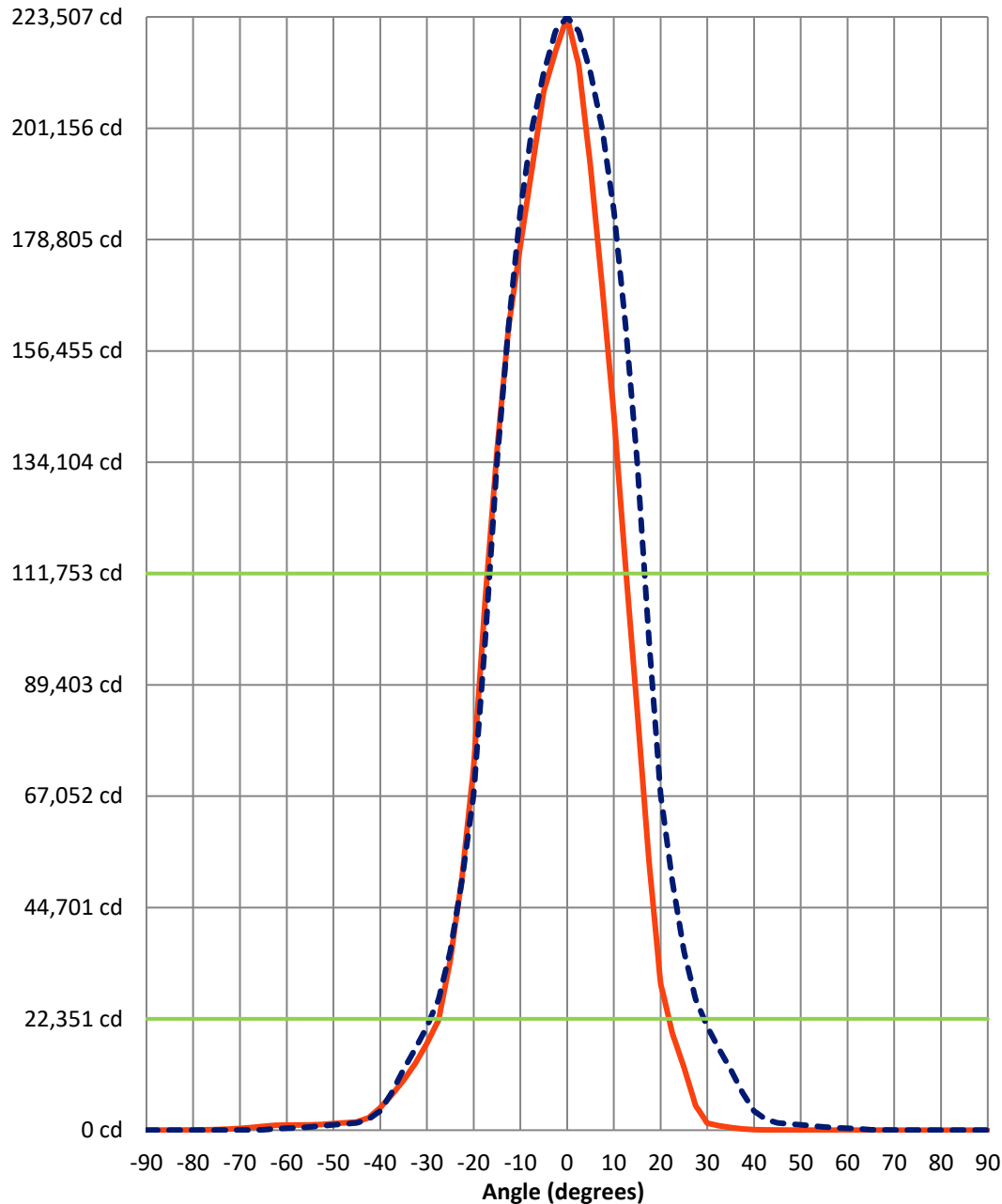
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.2°  
 V Angle: 29.7°  
 Lumens: 39252  
 Efficiency: 54.9%

**Field:**  
 H Angle: 58.6°  
 V Angle: 49.3°  
 Lumens: 62890.2  
 Efficiency: 87.9%

**Spill:**  
 Lumens: 8642  
 Efficiency: 12.1%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.2	8.3	8.2	7.9
77.5°	7.9	7.9	7.9	7.9	7.9	8.0	8.5	8.7	8.7	8.4	8.0
75°	7.9	7.9	7.9	7.9	8.0	8.5	9.0	9.2	9.0	8.5	8.1
72.5°	7.9	7.9	7.9	7.9	8.3	8.9	9.5	9.6	9.1	8.6	8.1
70°	7.9	7.9	7.9	7.9	8.6	9.3	9.9	9.6	9.1	8.7	8.7
67.5°	7.9	7.9	7.9	8.2	8.9	9.7	9.9	9.7	9.2	9.1	9.4
65°	7.9	7.9	7.9	8.4	9.3	9.9	9.9	9.7	9.5	9.6	9.9
62.5°	7.9	7.9	7.9	8.7	9.6	9.9	9.9	9.8	9.7	9.9	9.9
60°	7.9	7.9	7.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
57.5°	7.9	7.9	8.0	9.1	9.9	9.9	9.9	9.9	9.9	9.9	9.9
55°	7.9	7.9	8.2	9.3	9.9	9.9	9.9	9.9	9.9	9.9	9.9
52.5°	7.9	7.9	8.3	9.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9
50°	7.9	7.9	8.5	9.8	9.9	9.9	9.9	9.9	9.9	9.9	10.8
47.5°	7.9	7.9	8.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	11.6
45°	7.9	7.9	8.7	9.9	9.9	9.9	9.9	9.9	10.0	10.5	12.3
42.5°	7.9	7.9	8.8	9.9	9.9	9.9	9.9	10.0	10.1	11.0	12.8
40°	7.9	7.9	9.0	9.9	9.9	9.9	9.9	10.1	10.4	11.5	13.2
37.5°	7.9	7.9	9.1	9.9	9.9	9.9	9.9	10.3	10.9	12.1	13.6
35°	7.9	7.9	9.2	9.9	9.9	9.9	9.9	10.5	11.5	12.7	14.0
32.5°	7.9	7.9	9.3	9.9	9.9	9.9	10.0	10.8	12.0	13.4	14.9
30°	7.9	7.9	9.4	9.9	9.9	9.9	10.2	11.1	12.5	13.9	16.2
27.5°	7.9	7.9	9.4	9.9	9.9	9.9	10.4	11.5	13.0	14.5	17.8
25°	7.9	7.9	9.5	9.9	9.9	9.9	10.6	12.0	13.5	15.5	19.7
22.5°	7.9	7.9	9.6	9.9	9.9	9.9	10.8	12.3	14.0	16.9	23.8
20°	7.9	7.9	9.7	9.9	9.9	10.1	11.1	12.7	14.4	18.4	28.0
17.5°	7.9	7.9	9.7	9.9	9.9	10.2	11.3	13.1	14.8	20.0	32.2
15°	7.9	7.9	9.8	9.9	9.9	10.4	11.5	13.4	15.2	21.6	36.4
12.5°	7.9	7.9	9.8	9.9	9.9	10.7	11.6	13.8	16.2	23.3	40.5
10°	7.9	7.9	9.8	9.9	9.9	10.9	11.7	14.2	18.0	27.1	46.2
7.5°	7.9	7.9	9.9	9.9	9.9	11.1	11.8	14.7	19.9	31.3	55.6
5°	7.9	7.9	9.9	9.9	9.9	11.4	11.8	15.1	21.8	35.5	65.0
2.5°	7.9	7.9	9.9	9.9	9.9	11.6	11.8	15.5	23.8	39.6	74.2
0°	7.9	7.9	9.9	9.9	9.9	11.8	11.8	15.8	25.6	43.4	82.8
-2.5°	7.9	7.9	9.9	9.9	9.9	11.8	12.9	18.9	33.0	57.5	107.1
-5°	7.9	7.9	9.9	9.9	9.9	11.8	13.9	21.8	40.1	70.8	130.0
-7.5°	7.9	7.9	9.9	9.9	9.9	11.7	14.8	24.5	46.6	83.2	150.9
-10°	7.9	7.9	9.8	9.9	9.9	11.7	15.6	26.9	52.3	94.3	169.3
-12.5°	7.9	7.9	9.8	9.9	9.9	11.6	16.3	28.9	57.1	103.6	181.4
-15°	7.9	7.9	9.8	9.9	9.9	11.5	16.8	30.5	61.1	110.8	189.3
-17.5°	7.9	7.9	9.7	9.9	9.9	11.4	17.0	32.2	64.4	116.2	194.6
-20°	7.9	7.9	9.7	9.9	9.9	11.2	17.4	33.8	66.3	119.5	197.1



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	7.9	9.6	9.9	9.9	11.1	18.1	34.8	66.7	120.6	196.6
-25°	7.9	7.9	9.5	9.9	9.9	11.2	18.4	35.2	65.6	119.3	193.1
-27.5°	7.9	7.9	9.4	9.9	9.9	11.4	18.3	34.9	62.8	116.5	191.1
-30°	7.9	7.9	9.4	9.9	9.9	11.4	17.8	33.9	60.9	113.2	186.1
-32.5°	7.9	7.9	9.3	9.9	10.0	11.4	16.8	33.1	59.6	107.5	177.8
-35°	7.9	7.9	9.2	9.9	10.1	11.1	16.4	31.9	57.3	99.3	166.1
-37.5°	7.9	7.9	9.1	9.9	10.2	10.9	16.1	30.0	53.9	88.8	147.9
-40°	7.9	7.9	9.0	9.9	10.2	11.0	15.6	27.5	49.5	81.8	130.2
-42.5°	7.9	7.9	8.8	9.9	10.2	11.0	14.8	24.2	45.2	74.1	111.5
-45°	7.9	7.9	8.7	10.0	10.3	11.1	13.8	21.4	40.7	65.4	93.4
-47.5°	7.9	7.9	8.6	10.0	10.4	11.0	12.5	19.9	35.1	56.1	83.0
-50°	7.9	7.9	8.5	9.9	10.4	11.0	12.3	18.0	28.3	48.3	71.9
-52.5°	7.9	7.9	8.3	9.7	10.5	10.9	12.1	15.8	24.1	39.8	60.4
-55°	7.9	7.9	8.2	9.6	10.5	10.9	11.9	13.5	20.8	30.8	50.0
-57.5°	7.9	7.9	8.0	9.4	10.6	11.0	11.7	13.2	17.3	25.3	38.9
-60°	7.9	7.9	7.9	9.2	10.6	11.0	11.4	12.8	14.2	20.8	29.2
-62.5°	7.9	7.9	7.9	9.0	10.3	11.1	11.5	12.3	13.6	15.9	23.4
-65°	7.9	7.9	7.9	8.8	10.1	11.1	11.5	12.0	13.1	14.4	17.3
-67.5°	7.9	7.9	7.9	8.6	9.8	11.0	11.6	12.0	12.5	13.7	14.9
-70°	7.9	7.9	7.9	8.4	9.5	10.6	11.6	11.9	12.3	13.1	14.2
-72.5°	7.9	7.9	7.9	8.3	9.2	10.2	11.3	11.8	12.1	12.6	13.5
-75°	7.9	7.9	7.9	8.2	8.9	9.9	10.8	11.4	11.8	12.2	12.7
-77.5°	7.9	7.9	7.9	8.2	8.7	9.5	10.4	10.8	11.2	11.6	12.0
-80°	7.9	7.9	7.9	8.1	8.6	9.2	9.9	10.3	10.6	10.9	11.2
-82.5°	7.9	7.9	7.9	8.1	8.4	8.9	9.4	9.7	9.9	10.2	10.4
-85°	7.9	7.9	7.9	8.0	8.2	8.5	8.9	9.1	9.3	9.4	9.6
-87.5°	7.9	7.9	7.9	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.7
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.4	6.9	6.4
87.5°	7.4	6.9	6.4	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4
85°	7.4	6.9	6.5	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.3
82.5°	7.6	7.4	7.3	7.3	7.2	6.9	6.4	5.9	5.9	5.9	5.9
80°	7.8	7.9	7.9	7.9	7.5	7.0	6.5	6.0	5.9	6.0	6.0
77.5°	7.9	7.9	7.9	7.9	7.5	7.2	7.0	7.0	7.0	6.8	6.5
75°	7.9	7.9	8.0	8.0	7.8	7.8	7.9	7.9	7.6	7.1	6.6
72.5°	8.2	8.5	8.4	8.1	7.9	7.9	7.9	7.9	8.1	8.2	8.1
70°	9.0	9.1	8.7	8.2	7.9	8.2	9.2	10.2	10.9	11.0	11.3
67.5°	9.8	9.3	8.8	8.5	9.4	10.6	11.8	13.3	15.0	15.6	16.4
65°	9.8	9.4	9.4	10.2	11.6	13.2	14.9	16.9	21.2	23.8	25.0
62.5°	9.9	9.8	10.3	11.8	13.8	15.7	18.7	23.5	29.9	34.4	34.6
60°	9.9	10.1	11.6	13.7	15.8	18.4	23.0	30.3	40.0	47.2	43.1
57.5°	9.9	11.0	13.3	15.5	17.6	20.5	27.6	37.0	46.8	57.3	48.9
55°	10.4	12.6	14.8	16.8	19.4	23.2	30.5	39.4	50.3	53.3	43.8
52.5°	11.7	13.9	15.7	18.0	21.4	25.0	30.1	37.9	41.3	42.2	36.4
50°	12.8	14.6	16.4	19.1	22.6	25.7	27.2	31.8	33.2	31.5	28.4
47.5°	13.5	15.2	16.9	19.9	23.5	26.0	26.1	26.3	25.9	25.4	21.0
45°	14.1	15.8	17.4	20.9	24.6	26.9	25.6	22.0	25.0	24.1	23.0
42.5°	14.6	16.3	19.2	21.9	26.8	28.2	26.2	27.1	27.9	29.1	29.6
40°	15.1	16.9	21.6	26.9	29.7	30.4	33.6	36.0	34.9	38.2	40.2
37.5°	15.5	19.6	26.1	35.9	32.8	37.1	43.2	53.0	53.4	50.3	57.8
35°	15.9	22.6	37.2	47.8	45.2	47.8	64.0	76.9	80.8	76.5	81.3
32.5°	17.8	26.0	51.1	62.1	68.4	71.6	90.1	109.5	124.1	127.0	115.1
30°	21.4	38.7	67.1	79.4	97.7	115.4	128.3	151.8	181.9	205.3	215.0
27.5°	26.2	54.2	83.7	106.1	133.9	164.2	186.3	215.7	264.7	306.8	341.4
25°	31.2	75.2	102.3	138.7	180.1	219.2	253.3	302.3	367.2	437.0	558.5
22.5°	42.4	99.2	130.3	174.6	229.4	278.3	335.1	404.7	487.8	583.7	809.0
20°	60.8	122.8	164.0	214.8	282.3	340.3	420.3	509.1	622.6	827.1	1209.6
17.5°	80.3	148.2	198.5	262.2	346.1	419.4	509.1	612.9	763.1	1090.4	1843.7
15°	100.6	174.8	231.5	312.5	415.7	520.4	628.6	741.7	956.6	1462.9	2651.3
12.5°	121.1	202.2	262.8	364.5	489.6	625.8	754.9	898.8	1209.6	2103.2	3847.6
10°	141.3	229.7	292.4	416.9	565.7	733.5	880.1	1049.5	1472.5	2683.3	4917.3
7.5°	174.6	265.6	324.0	468.6	642.4	841.3	1003.0	1193.2	1729.4	3188.9	5902.6
5°	209.7	309.7	374.4	531.9	718.0	937.3	1114.1	1328.6	1972.5	3614.3	6826.8
2.5°	243.3	352.1	423.6	592.7	788.9	1012.0	1184.6	1404.4	2102.6	3813.1	7397.6
0°	274.0	392.2	471.1	648.5	853.5	1078.2	1247.7	1470.4	2181.9	3851.4	7580.6
-2.5°	311.2	436.2	520.2	692.8	888.8	1117.0	1287.7	1520.5	2264.0	4066.8	7613.7
-5°	343.1	476.9	567.0	732.3	918.4	1147.4	1321.1	1559.6	2302.3	4164.8	7453.7
-7.5°	368.9	514.2	611.2	763.5	933.7	1153.5	1333.4	1566.0	2275.6	4114.3	7126.1
-10°	384.4	529.9	621.9	763.0	928.8	1140.6	1333.5	1560.4	2198.7	3904.9	6666.1
-12.5°	373.1	525.6	623.8	757.2	919.3	1119.1	1324.1	1542.5	2067.8	3518.2	6127.8
-15°	359.2	518.5	622.5	746.2	905.7	1088.8	1304.4	1512.1	1863.8	2918.6	5463.0
-17.5°	343.2	508.9	617.8	729.8	888.4	1049.7	1264.3	1432.7	1652.8	2486.7	4696.6
-20°	325.9	496.7	609.5	708.0	867.3	993.5	1170.1	1343.5	1544.2	2114.6	3665.8



REPORT NUMBER: P701592 (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°	307.8	482.1	595.5	693.8	813.6	928.8	1070.9	1240.8	1424.8	1652.4	2569.2
-25°	297.2	454.9	575.6	661.0	755.5	862.7	969.0	1126.0	1300.1	1483.4	1965.9
-27.5°	291.6	428.6	542.9	628.1	699.5	796.6	887.0	1012.3	1173.8	1330.5	1483.4
-30°	282.2	391.3	509.5	594.1	658.9	735.4	813.3	914.8	1058.2	1195.8	1322.6
-32.5°	261.8	353.4	468.5	556.3	622.9	678.7	755.6	846.4	956.6	1076.2	1178.2
-35°	236.8	323.5	424.4	518.5	587.5	640.3	709.6	785.8	866.8	970.4	1092.5
-37.5°	213.7	291.0	380.4	476.2	546.8	611.1	664.4	732.9	802.8	879.5	1001.6
-40°	188.7	256.0	340.6	428.7	510.4	577.1	632.4	683.7	744.8	821.5	903.0
-42.5°	162.8	226.6	299.9	382.1	464.2	536.1	598.8	646.2	698.4	764.4	837.0
-45°	141.3	195.6	258.2	336.0	413.4	489.1	553.1	612.8	662.8	711.5	774.2
-47.5°	118.9	165.0	222.6	289.0	362.5	433.5	502.9	568.8	632.4	677.8	716.3
-50°	98.4	139.7	186.6	247.6	311.8	378.2	443.1	520.3	587.7	645.0	689.7
-52.5°	85.3	113.6	156.7	206.7	264.4	324.2	388.3	459.3	532.4	600.5	652.7
-55°	71.5	95.8	126.3	169.6	218.5	272.8	332.7	397.9	464.3	532.7	599.6
-57.5°	58.2	79.8	103.1	133.2	175.6	222.0	277.0	334.8	395.9	458.1	519.9
-60°	44.8	63.7	84.7	106.7	132.6	174.4	219.9	270.7	325.1	380.8	436.6
-62.5°	32.0	47.5	65.9	85.8	106.4	129.0	165.8	208.1	252.0	298.3	346.8
-65°	24.8	32.9	46.6	64.0	82.9	102.6	124.5	148.4	184.9	220.8	254.9
-67.5°	17.5	24.9	32.2	41.3	57.3	74.4	92.7	112.5	133.8	154.7	179.2
-70°	15.5	17.6	23.5	30.0	36.3	44.6	59.6	75.6	92.0	107.9	125.4
-72.5°	14.6	16.2	18.3	20.8	26.0	31.3	36.3	41.3	51.0	64.0	76.8
-75°	13.5	14.6	16.0	17.9	20.0	22.1	24.7	29.1	33.1	37.1	41.0
-77.5°	12.5	13.2	14.1	15.1	16.3	18.0	19.7	21.6	23.3	24.9	26.5
-80°	11.5	11.8	12.3	12.9	13.7	14.5	15.5	16.6	17.4	18.2	19.3
-82.5°	10.6	10.8	11.1	11.3	11.4	11.6	11.9	12.5	13.0	13.5	14.0
-85°	9.7	9.9	10.0	10.2	9.9	9.7	9.6	9.5	9.7	10.0	10.2
-87.5°	8.8	8.9	9.0	9.0	8.8	8.5	8.2	7.9	7.8	7.7	7.6
-90°	7.4	6.9	6.4	5.9	5.9	5.9	5.9	5.9	5.4	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°	5.9	5.9	5.9	5.9	5.9	6.9	7.9	8.9	9.9	10.9	11.9
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	2.0	2.0
85°	5.2	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.4	2.9
82.5°	5.9	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.4	3.0
80°	5.9	5.5	5.0	4.5	4.0	3.9	3.9	3.9	3.9	3.5	3.0
77.5°	6.0	5.6	5.3	5.1	5.0	4.9	4.7	4.3	4.0	3.5	3.0
75°	6.1	6.0	6.1	6.1	6.0	5.5	5.0	4.5	4.0	3.8	3.8
72.5°	7.7	7.4	7.3	7.5	7.5	7.3	6.9	6.3	5.7	5.6	5.7
70°	11.6	11.8	11.9	11.7	11.1	10.1	9.3	8.5	7.7	7.5	7.6
67.5°	17.5	17.7	17.2	15.9	13.8	12.0	11.3	10.5	9.7	9.5	9.6
65°	25.1	23.2	21.2	19.0	16.4	13.6	12.8	12.1	11.5	11.5	12.2
62.5°	32.5	26.4	21.3	18.0	15.6	13.6	12.7	11.8	11.0	10.6	11.0
60°	35.7	25.3	18.4	16.3	14.2	12.1	11.0	10.1	9.2	8.7	9.0
57.5°	35.8	24.8	17.0	14.5	12.4	10.6	9.6	9.0	8.4	8.0	8.5
55°	31.9	22.0	14.5	12.5	11.2	10.3	9.8	9.6	9.4	9.2	9.6
52.5°	25.6	18.4	13.5	11.6	11.7	11.7	11.7	11.7	11.9	12.2	12.8
50°	20.4	15.7	14.2	13.4	13.9	14.0	13.7	14.5	15.5	16.1	16.6
47.5°	18.7	17.2	17.3	16.8	17.6	18.9	19.2	19.8	21.3	22.2	22.9
45°	20.8	22.3	23.2	24.8	25.8	28.1	28.8	28.8	32.1	34.3	35.5
42.5°	29.0	31.6	34.6	37.7	39.3	42.2	45.2	46.8	51.7	55.6	57.1
40°	43.8	45.3	51.8	55.8	58.7	62.3	71.5	77.5	87.0	104.7	117.6
37.5°	64.4	69.1	73.0	78.6	91.0	97.1	126.3	152.8	171.0	215.0	239.9
35°	94.4	107.3	102.8	128.1	159.3	198.5	241.1	304.7	355.1	414.6	469.6
32.5°	147.9	179.6	210.2	239.5	309.6	422.1	425.2	544.1	623.7	720.2	805.1
30°	234.1	346.0	486.9	533.5	730.9	951.6	890.4	1072.8	1253.6	1361.1	1732.4
27.5°	461.9	714.2	994.0	1349.7	1717.6	2097.0	2348.2	2436.1	3350.8	4023.3	4898.7
25°	790.3	1232.9	2014.8	2590.8	3236.8	4079.3	4566.0	5221.1	6746.7	8647.9	10124.6
22.5°	1259.4	2032.9	3065.9	3937.5	4905.8	6041.2	7068.1	8638.8	11011.2	13606.2	15813.9
20°	1785.2	2782.4	4091.3	5397.2	6666.4	8146.1	9932.8	13140.2	16805.9	20873.7	24551.3
17.5°	2755.2	3735.8	5412.0	7197.3	9000.6	10782.9	14712.0	19462.1	25200.4	31228.0	36581.6
15°	4141.4	5728.5	7391.1	9751.6	12753.3	16178.3	21154.3	29485.6	38397.9	47804.9	59019.5
12.5°	5950.3	8251.3	10745.3	13478.4	17548.1	23800.5	32054.9	42224.2	54980.9	69093.9	85051.8
10°	7796.4	11114.8	14549.5	18452.8	23816.7	31870.1	42530.1	55263.2	75324.9	95098.4	111753.4
7.5°	9297.3	13164.7	17498.0	22683.1	29674.3	39487.2	52660.6	71062.8	94987.6	118514.5	137146.5
5°	10705.5	14953.8	19465.0	24762.8	33191.3	45024.6	60889.3	83848.6	112470.6	137491.9	157457.1
2.5°	11726.9	16189.6	20856.6	26247.2	35856.4	48390.8	65808.4	94287.9	127231.7	152867.6	175759.8
0°	12179.1	16308.4	20772.8	26303.6	35943.9	50107.9	67514.2	98696.1	134064.5	161624.5	184619.8
-2.5°	11618.5	15627.4	20234.4	25637.6	35301.4	48907.7	66887.9	98199.7	133689.7	161639.9	184311.2
-5°	11025.4	14825.9	19102.6	24097.1	32909.0	45560.5	63905.2	93822.5	127879.1	155978.8	178094.4
-7.5°	10393.0	13871.5	17697.7	22178.7	29996.3	42170.8	59205.0	84455.3	116289.0	144899.4	165699.0
-10°	9670.1	12836.7	16860.4	21609.7	28415.3	38998.2	53085.3	73314.0	103130.4	129712.4	152549.2
-12.5°	9245.7	12623.3	16644.0	21006.3	26496.1	35822.4	48639.8	65895.1	86305.3	110997.2	131317.4
-15°	8700.2	12119.1	16106.6	20199.2	25280.8	32562.5	42682.4	55356.4	70886.7	87526.1	105562.3
-17.5°	7803.3	11220.2	14431.3	18272.5	23099.0	28852.0	36124.4	45960.3	56264.7	68054.5	78845.4
-20°	6326.3	9086.3	12123.1	15742.3	19891.4	24251.0	29107.5	35809.3	42345.8	50599.7	57226.0



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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°	4551.5	6884.4	9515.5	12506.5	15792.2	19524.7	23183.1	26719.8	31199.5	36424.2	41748.2
-25°	2964.2	4690.2	6968.5	9419.9	11714.6	14697.5	17325.9	19438.1	22458.9	24823.0	28049.4
-27.5°	2052.6	3174.4	4871.6	6824.8	8634.9	10544.1	12683.9	14125.9	16479.0	17757.9	19735.7
-30°	1501.9	2131.6	3352.2	4813.0	6389.9	8015.1	9542.7	11128.2	12765.1	14212.6	15310.2
-32.5°	1331.9	1579.2	2181.2	3232.6	4466.5	5829.2	7122.8	8505.0	9809.0	10931.1	11836.6
-35°	1216.5	1355.2	1544.2	2100.2	2836.6	3900.5	4918.1	6037.0	7084.4	7951.8	8678.8
-37.5°	1125.0	1236.2	1355.2	1477.1	1890.5	2356.1	3079.4	3857.1	4529.2	5297.1	5890.3
-40°	1021.2	1139.9	1235.2	1332.6	1442.2	1559.0	1950.5	2298.7	2678.4	3196.8	3620.4
-42.5°	914.1	1017.4	1124.7	1215.4	1298.1	1385.4	1473.4	1551.4	1744.2	1972.8	2146.2
-45°	840.0	913.0	991.7	1087.8	1176.8	1252.5	1323.7	1391.9	1461.9	1526.5	1580.2
-47.5°	774.7	833.8	898.5	964.5	1031.5	1109.3	1182.3	1251.6	1312.3	1367.4	1411.8
-50°	727.1	767.9	821.8	873.8	931.1	985.3	1033.8	1090.7	1152.8	1209.3	1254.4
-52.5°	702.9	738.6	769.6	806.9	858.6	904.0	943.9	988.9	1032.1	1071.7	1100.8
-55°	655.5	702.2	747.4	789.4	825.1	857.5	892.1	936.3	974.2	1006.9	1024.8
-57.5°	581.2	641.2	698.1	751.4	801.5	848.7	887.8	922.9	958.0	991.4	1006.7
-60°	493.4	550.7	610.0	674.2	738.9	803.3	850.8	896.0	938.7	974.4	993.4
-62.5°	399.0	451.2	504.3	562.1	623.6	684.0	735.7	789.7	845.0	892.6	923.0
-65°	291.7	336.2	383.8	431.2	477.9	526.1	572.3	617.7	661.8	697.6	722.5
-67.5°	209.1	237.8	267.3	297.7	333.9	371.1	405.2	438.2	469.8	495.0	513.7
-70°	143.8	162.3	179.6	199.0	222.2	244.8	265.8	285.8	304.5	320.4	333.6
-72.5°	89.5	101.6	113.6	127.2	140.4	153.0	164.9	176.1	186.4	195.8	204.3
-75°	44.9	50.6	60.1	69.2	77.7	86.6	94.8	102.0	108.3	113.5	118.0
-77.5°	29.1	32.7	36.2	39.5	42.5	46.7	51.2	55.9	60.5	64.2	67.7
-80°	20.4	22.3	24.5	26.7	28.9	31.5	34.1	36.7	39.3	41.0	42.4
-82.5°	14.5	15.6	16.8	18.1	19.4	21.3	23.1	24.9	26.7	28.0	29.2
-85°	10.4	10.9	11.5	12.1	12.7	14.3	16.0	17.6	19.3	20.4	21.5
-87.5°	7.5	7.6	7.6	7.7	7.7	9.2	10.7	12.2	13.7	14.2	14.8
-90°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	2.0	2.0



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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°	12.8	13.8	13.8	13.8	13.8	13.8	12.8	11.9	10.9	9.9	8.9
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.9	3.4	3.8	3.8
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	3.9
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	3.9	3.9
77.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.3
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.5
72.5°	5.8	5.8	5.9	5.9	5.9	5.8	5.8	5.7	5.6	5.7	6.3
70°	7.8	7.8	7.0	5.9	7.0	7.8	7.8	7.6	7.5	7.7	8.5
67.5°	9.7	9.8	10.7	11.8	10.7	9.8	9.7	9.6	9.5	9.7	10.5
65°	12.9	13.5	12.9	11.8	12.9	13.5	12.9	12.2	11.5	11.5	12.1
62.5°	11.3	11.8	11.0	9.9	11.0	11.8	11.3	11.0	10.6	11.0	11.8
60°	9.4	9.8	9.9	9.9	9.9	9.8	9.4	9.0	8.7	9.2	10.1
57.5°	9.1	9.7	9.9	9.9	9.9	9.7	9.1	8.5	8.0	8.4	9.0
55°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.6	9.2	9.4	9.6
52.5°	13.2	13.5	13.7	13.8	13.7	13.5	13.2	12.8	12.2	11.9	11.7
50°	17.1	17.4	17.6	17.7	17.6	17.4	17.1	16.6	16.1	15.5	14.5
47.5°	23.4	23.5	23.6	23.7	23.6	23.5	23.4	22.9	22.2	21.3	19.8
45°	36.0	35.6	35.2	35.5	35.2	35.6	36.0	35.5	34.3	32.1	28.8
42.5°	58.6	58.7	58.5	59.1	58.5	58.7	58.6	57.1	55.6	51.7	46.8
40°	121.1	116.8	110.5	110.4	110.5	116.8	121.1	117.6	104.7	87.0	77.5
37.5°	252.2	256.5	256.0	260.2	256.0	256.5	252.2	239.9	215.0	171.0	152.8
35°	511.3	534.2	539.4	538.1	539.4	534.2	511.3	469.6	414.6	355.1	304.7
32.5°	842.2	872.6	881.1	892.9	881.1	872.6	842.2	805.1	720.2	623.7	544.1
30°	1480.7	1521.6	1482.6	1403.4	1482.6	1521.6	1480.7	1732.4	1361.1	1253.6	1072.8
27.5°	5365.0	5561.7	5118.8	4957.2	5118.8	5561.7	5365.0	4898.7	4023.3	3350.8	2436.1
25°	10933.5	11803.8	12695.7	12616.6	12695.7	11803.8	10933.5	10124.6	8647.9	6746.7	5221.1
22.5°	17645.3	18527.1	19262.1	19515.3	19262.1	18527.1	17645.3	15813.9	13606.2	11011.2	8638.8
20°	27948.7	29666.2	30895.9	29585.4	30895.9	29666.2	27948.7	24551.3	20873.7	16805.9	13140.2
17.5°	44674.3	49846.1	52532.7	54229.3	52532.7	49846.1	44674.3	36581.6	31228.0	25200.4	19462.1
15°	69349.3	77148.7	81469.7	84331.1	81469.7	77148.7	69349.3	59019.5	47804.9	38397.9	29485.6
12.5°	97805.6	106309.3	110128.4	113245.3	110128.4	106309.3	97805.6	85051.8	69093.9	54980.9	42224.2
10°	124857.1	134044.2	140404.9	143710.8	140404.9	134044.2	124857.1	111753.4	95098.4	75324.9	55263.2
7.5°	149642.8	160881.3	167335.9	169390.5	167335.9	160881.3	149642.8	137146.5	118514.5	94987.6	71062.8
5°	173886.5	183913.7	191676.2	193436.2	191676.2	183913.7	173886.5	157457.1	137491.9	112470.6	83848.6
2.5°	192553.2	204570.5	211539.6	213646.4	211539.6	204570.5	192553.2	175759.8	152867.6	127231.7	94287.9
0°	201107.5	212295.2	220547.0	223506.5	220547.0	212295.2	201107.5	184619.8	161624.5	134064.5	98696.1
-2.5°	199318.3	209628.3	215534.9	216552.7	215534.9	209628.3	199318.3	184311.2	161639.9	133689.7	98199.7
-5°	193025.4	202498.2	208332.1	208499.0	208332.1	202498.2	193025.4	178094.4	155978.8	127879.1	93822.5
-7.5°	179202.7	188060.9	192128.1	193149.5	192128.1	188060.9	179202.7	165699.0	144899.4	116289.0	84455.3
-10°	165133.9	173352.0	177195.3	177620.6	177195.3	173352.0	165133.9	152549.2	129712.4	103130.4	73314.0
-12.5°	146910.2	155703.7	159541.0	161345.6	159541.0	155703.7	146910.2	131317.4	110997.2	86305.3	65895.1
-15°	119791.4	128294.5	132898.2	136297.7	132898.2	128294.5	119791.4	105562.3	87526.1	70886.7	55356.4
-17.5°	90733.7	98022.0	102558.8	106688.6	102558.8	98022.0	90733.7	78845.4	68054.5	56264.7	45960.3
-20°	64598.5	69240.1	70665.7	72891.2	70665.7	69240.1	64598.5	57226.0	50599.7	42345.8	35809.3



REPORT NUMBER: P701592 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45370.8	48009.9	49681.5	50626.3	49681.5	48009.9	45370.8	41748.2	36424.2	31199.5	26719.8
-25°	30758.2	32588.5	33300.2	34120.7	33300.2	32588.5	30758.2	28049.4	24823.0	22458.9	19438.1
-27.5°	20603.1	21354.7	21868.0	22146.6	21868.0	21354.7	20603.1	19735.7	17757.9	16479.0	14125.9
-30°	16193.8	16881.0	17293.1	17424.0	17293.1	16881.0	16193.8	15310.2	14212.6	12765.1	11128.2
-32.5°	12537.6	13057.1	13334.7	13371.6	13334.7	13057.1	12537.6	11836.6	10931.1	9809.0	8505.0
-35°	9288.2	9761.4	10023.3	10005.0	10023.3	9761.4	9288.2	8678.8	7951.8	7084.4	6037.0
-37.5°	6400.4	6801.5	7047.6	7111.5	7047.6	6801.5	6400.4	5890.3	5297.1	4529.2	3857.1
-40°	4004.0	4298.6	4474.5	4497.9	4474.5	4298.6	4004.0	3620.4	3196.8	2678.4	2298.7
-42.5°	2298.4	2417.8	2484.8	2481.5	2484.8	2417.8	2298.4	2146.2	1972.8	1744.2	1551.4
-45°	1615.4	1642.1	1657.2	1659.6	1657.2	1642.1	1615.4	1580.2	1526.5	1461.9	1391.9
-47.5°	1443.8	1469.2	1482.7	1484.2	1482.7	1469.2	1443.8	1411.8	1367.4	1312.3	1251.6
-50°	1290.5	1320.5	1336.9	1340.3	1336.9	1320.5	1290.5	1254.4	1209.3	1152.8	1090.7
-52.5°	1124.2	1144.0	1150.6	1147.1	1150.6	1144.0	1124.2	1100.8	1071.7	1032.1	988.9
-55°	1041.6	1057.8	1064.8	1066.3	1064.8	1057.8	1041.6	1024.8	1006.9	974.2	936.3
-57.5°	1021.6	1036.1	1040.6	1040.7	1040.6	1036.1	1021.6	1006.7	991.4	958.0	922.9
-60°	1012.1	1030.2	1033.7	1030.9	1033.7	1030.2	1012.1	993.4	974.4	938.7	896.0
-62.5°	950.0	973.2	980.5	979.6	980.5	973.2	950.0	923.0	892.6	845.0	789.7
-65°	743.6	760.6	769.3	772.6	769.3	760.6	743.6	722.5	697.6	661.8	617.7
-67.5°	528.9	540.7	544.4	544.0	544.4	540.7	528.9	513.7	495.0	469.8	438.2
-70°	344.8	353.9	354.8	352.8	354.8	353.9	344.8	333.6	320.4	304.5	285.8
-72.5°	211.7	217.9	217.3	214.8	217.3	217.9	211.7	204.3	195.8	186.4	176.1
-75°	121.7	124.8	123.9	122.2	123.9	124.8	121.7	118.0	113.5	108.3	102.0
-77.5°	71.0	74.2	74.8	74.9	74.8	74.2	71.0	67.7	64.2	60.5	55.9
-80°	43.8	45.1	45.2	45.3	45.2	45.1	43.8	42.4	41.0	39.3	36.7
-82.5°	30.3	31.4	31.5	31.5	31.5	31.4	30.3	29.2	28.0	26.7	24.9
-85°	22.6	23.6	23.7	23.7	23.7	23.6	22.6	21.5	20.4	19.3	17.6
-87.5°	15.3	15.8	15.8	15.8	15.8	15.8	15.3	14.8	14.2	13.7	12.2
-90°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.9	6.9	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.4	7.9
87.5°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.2	5.3	5.4	5.6	5.9
82.5°	3.9	3.9	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	4.0	4.5	5.0	5.5	5.9	6.0	6.0	5.9	6.0
77.5°	4.7	4.9	5.0	5.1	5.3	5.6	6.0	6.5	6.8	7.0	7.0
75°	5.0	5.5	6.0	6.1	6.1	6.0	6.1	6.6	7.1	7.6	7.9
72.5°	6.9	7.3	7.5	7.5	7.3	7.4	7.7	8.1	8.2	8.1	7.9
70°	9.3	10.1	11.1	11.7	11.9	11.8	11.6	11.3	11.0	10.9	10.2
67.5°	11.3	12.0	13.8	15.9	17.2	17.7	17.5	16.4	15.6	15.0	13.3
65°	12.8	13.6	16.4	19.0	21.2	23.2	25.1	25.0	23.8	21.2	16.9
62.5°	12.7	13.6	15.6	18.0	21.3	26.4	32.5	34.6	34.4	29.9	23.5
60°	11.0	12.1	14.2	16.3	18.4	25.3	35.7	43.1	47.2	40.0	30.3
57.5°	9.6	10.6	12.4	14.5	17.0	24.8	35.8	48.9	57.3	46.8	37.0
55°	9.8	10.3	11.2	12.5	14.5	22.0	31.9	43.8	53.3	50.3	39.4
52.5°	11.7	11.7	11.7	11.6	13.5	18.4	25.6	36.4	42.2	41.3	37.9
50°	13.7	14.0	13.9	13.4	14.2	15.7	20.4	28.4	31.5	33.2	31.8
47.5°	19.2	18.9	17.6	16.8	17.3	17.2	18.7	21.0	25.4	25.9	26.3
45°	28.8	28.1	25.8	24.8	23.2	22.3	20.8	23.0	24.1	25.0	22.0
42.5°	45.2	42.2	39.3	37.7	34.6	31.6	29.0	29.6	29.1	27.9	27.1
40°	71.5	62.3	58.7	55.8	51.8	45.3	43.8	40.2	38.2	34.9	36.0
37.5°	126.3	97.1	91.0	78.6	73.0	69.1	64.4	57.8	50.3	53.4	53.0
35°	241.1	198.5	159.3	128.1	102.8	107.3	94.4	81.3	76.5	80.8	76.9
32.5°	425.2	422.1	309.6	239.5	210.2	179.6	147.9	115.1	127.0	124.1	109.5
30°	890.4	951.6	730.9	533.5	486.9	346.0	234.1	215.0	205.3	181.9	151.8
27.5°	2348.2	2097.0	1717.6	1349.7	994.0	714.2	461.9	341.4	306.8	264.7	215.7
25°	4566.0	4079.3	3236.8	2590.8	2014.8	1232.9	790.3	558.5	437.0	367.2	302.3
22.5°	7068.1	6041.2	4905.8	3937.5	3065.9	2032.9	1259.4	809.0	583.7	487.8	404.7
20°	9932.8	8146.1	6666.4	5397.2	4091.3	2782.4	1785.2	1209.6	827.1	622.6	509.1
17.5°	14712.0	10782.9	9000.6	7197.3	5412.0	3735.8	2755.2	1843.7	1090.4	763.1	612.9
15°	21154.3	16178.3	12753.3	9751.6	7391.1	5728.5	4141.4	2651.3	1462.9	956.6	741.7
12.5°	32054.9	23800.5	17548.1	13478.4	10745.3	8251.3	5950.3	3847.6	2103.2	1209.6	898.8
10°	42530.1	31870.1	23816.7	18452.8	14549.5	11114.8	7796.4	4917.3	2683.3	1472.5	1049.5
7.5°	52660.6	39487.2	29674.3	22683.1	17498.0	13164.7	9297.3	5902.6	3188.9	1729.4	1193.2
5°	60889.3	45024.6	33191.3	24762.8	19465.0	14953.8	10705.5	6826.8	3614.3	1972.5	1328.6
2.5°	65808.4	48390.8	35856.4	26247.2	20856.6	16189.6	11726.9	7397.6	3813.1	2102.6	1404.4
0°	67514.2	50107.9	35943.9	26303.6	20772.8	16308.4	12179.1	7580.6	3851.4	2181.9	1470.4
-2.5°	66887.9	48907.7	35301.4	25637.6	20234.4	15627.4	11618.5	7613.7	4066.8	2264.0	1520.5
-5°	63905.2	45560.5	32909.0	24097.1	19102.6	14825.9	11025.4	7453.7	4164.8	2302.3	1559.6
-7.5°	59205.0	42170.8	29996.3	22178.7	17697.7	13871.5	10393.0	7126.1	4114.3	2275.6	1566.0
-10°	53085.3	38998.2	28415.3	21609.7	16860.4	12836.7	9670.1	6666.1	3904.9	2198.7	1560.4
-12.5°	48639.8	35822.4	26496.1	21006.3	16644.0	12623.3	9245.7	6127.8	3518.2	2067.8	1542.5
-15°	42682.4	32562.5	25280.8	20199.2	16106.6	12119.1	8700.2	5463.0	2918.6	1863.8	1512.1
-17.5°	36124.4	28852.0	23099.0	18272.5	14431.3	11220.2	7803.3	4696.6	2486.7	1652.8	1432.7
-20°	29107.5	24251.0	19891.4	15742.3	12123.1	9086.3	6326.3	3665.8	2114.6	1544.2	1343.5



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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°	23183.1	19524.7	15792.2	12506.5	9515.5	6884.4	4551.5	2569.2	1652.4	1424.8	1240.8
-25°	17325.9	14697.5	11714.6	9419.9	6968.5	4690.2	2964.2	1965.9	1483.4	1300.1	1126.0
-27.5°	12683.9	10544.1	8634.9	6824.8	4871.6	3174.4	2052.6	1483.4	1330.5	1173.8	1012.3
-30°	9542.7	8015.1	6389.9	4813.0	3352.2	2131.6	1501.9	1322.6	1195.8	1058.2	914.8
-32.5°	7122.8	5829.2	4466.5	3232.6	2181.2	1579.2	1331.9	1178.2	1076.2	956.6	846.4
-35°	4918.1	3900.5	2836.6	2100.2	1544.2	1355.2	1216.5	1092.5	970.4	866.8	785.8
-37.5°	3079.4	2356.1	1890.5	1477.1	1355.2	1236.2	1125.0	1001.6	879.5	802.8	732.9
-40°	1950.5	1559.0	1442.2	1332.6	1235.2	1139.9	1021.2	903.0	821.5	744.8	683.7
-42.5°	1473.4	1385.4	1298.1	1215.4	1124.7	1017.4	914.1	837.0	764.4	698.4	646.2
-45°	1323.7	1252.5	1176.8	1087.8	991.7	913.0	840.0	774.2	711.5	662.8	612.8
-47.5°	1182.3	1109.3	1031.5	964.5	898.5	833.8	774.7	716.3	677.8	632.4	568.8
-50°	1033.8	985.3	931.1	873.8	821.8	767.9	727.1	689.7	645.0	587.7	520.3
-52.5°	943.9	904.0	858.6	806.9	769.6	738.6	702.9	652.7	600.5	532.4	459.3
-55°	892.1	857.5	825.1	789.4	747.4	702.2	655.5	599.6	532.7	464.3	397.9
-57.5°	887.8	848.7	801.5	751.4	698.1	641.2	581.2	519.9	458.1	395.9	334.8
-60°	850.8	803.3	738.9	674.2	610.0	550.7	493.4	436.6	380.8	325.1	270.7
-62.5°	735.7	684.0	623.6	562.1	504.3	451.2	399.0	346.8	298.3	252.0	208.1
-65°	572.3	526.1	477.9	431.2	383.8	336.2	291.7	254.9	220.8	184.9	148.4
-67.5°	405.2	371.1	333.9	297.7	267.3	237.8	209.1	179.2	154.7	133.8	112.5
-70°	265.8	244.8	222.2	199.0	179.6	162.3	143.8	125.4	107.9	92.0	75.6
-72.5°	164.9	153.0	140.4	127.2	113.6	101.6	89.5	76.8	64.0	51.0	41.3
-75°	94.8	86.6	77.7	69.2	60.1	50.6	44.9	41.0	37.1	33.1	29.1
-77.5°	51.2	46.7	42.5	39.5	36.2	32.7	29.1	26.5	24.9	23.3	21.6
-80°	34.1	31.5	28.9	26.7	24.5	22.3	20.4	19.3	18.2	17.4	16.6
-82.5°	23.1	21.3	19.4	18.1	16.8	15.6	14.5	14.0	13.5	13.0	12.5
-85°	16.0	14.3	12.7	12.1	11.5	10.9	10.4	10.2	10.0	9.7	9.5
-87.5°	10.7	9.2	7.7	7.7	7.6	7.6	7.5	7.6	7.7	7.8	7.9
-90°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9





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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°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	5.9	5.9	5.9	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9
85°	6.1	6.2	6.2	6.2	6.5	6.9	7.4	7.9	7.9	7.9	7.9
82.5°	6.4	6.9	7.2	7.3	7.3	7.4	7.6	7.9	8.0	7.9	7.9
80°	6.5	7.0	7.5	7.9	7.9	7.9	7.8	7.9	8.2	8.3	8.2
77.5°	7.0	7.2	7.5	7.9	7.9	7.9	7.9	8.0	8.4	8.7	8.7
75°	7.9	7.8	7.8	8.0	8.0	7.9	7.9	8.1	8.5	9.0	9.2
72.5°	7.9	7.9	7.9	8.1	8.4	8.5	8.2	8.1	8.6	9.1	9.6
70°	9.2	8.2	7.9	8.2	8.7	9.1	9.0	8.7	8.7	9.1	9.6
67.5°	11.8	10.6	9.4	8.5	8.8	9.3	9.8	9.4	9.1	9.2	9.7
65°	14.9	13.2	11.6	10.2	9.4	9.4	9.8	9.9	9.6	9.5	9.7
62.5°	18.7	15.7	13.8	11.8	10.3	9.8	9.9	9.9	9.9	9.7	9.8
60°	23.0	18.4	15.8	13.7	11.6	10.1	9.9	9.9	9.9	9.9	9.9
57.5°	27.6	20.5	17.6	15.5	13.3	11.0	9.9	9.9	9.9	9.9	9.9
55°	30.5	23.2	19.4	16.8	14.8	12.6	10.4	9.9	9.9	9.9	9.9
52.5°	30.1	25.0	21.4	18.0	15.7	13.9	11.7	9.9	9.9	9.9	9.9
50°	27.2	25.7	22.6	19.1	16.4	14.6	12.8	10.8	9.9	9.9	9.9
47.5°	26.1	26.0	23.5	19.9	16.9	15.2	13.5	11.6	9.9	9.9	9.9
45°	25.6	26.9	24.6	20.9	17.4	15.8	14.1	12.3	10.5	10.0	9.9
42.5°	26.2	28.2	26.8	21.9	19.2	16.3	14.6	12.8	11.0	10.1	10.0
40°	33.6	30.4	29.7	26.9	21.6	16.9	15.1	13.2	11.5	10.4	10.1
37.5°	43.2	37.1	32.8	35.9	26.1	19.6	15.5	13.6	12.1	10.9	10.3
35°	64.0	47.8	45.2	47.8	37.2	22.6	15.9	14.0	12.7	11.5	10.5
32.5°	90.1	71.6	68.4	62.1	51.1	26.0	17.8	14.9	13.4	12.0	10.8
30°	128.3	115.4	97.7	79.4	67.1	38.7	21.4	16.2	13.9	12.5	11.1
27.5°	186.3	164.2	133.9	106.1	83.7	54.2	26.2	17.8	14.5	13.0	11.5
25°	253.3	219.2	180.1	138.7	102.3	75.2	31.2	19.7	15.5	13.5	12.0
22.5°	335.1	278.3	229.4	174.6	130.3	99.2	42.4	23.8	16.9	14.0	12.3
20°	420.3	340.3	282.3	214.8	164.0	122.8	60.8	28.0	18.4	14.4	12.7
17.5°	509.1	419.4	346.1	262.2	198.5	148.2	80.3	32.2	20.0	14.8	13.1
15°	628.6	520.4	415.7	312.5	231.5	174.8	100.6	36.4	21.6	15.2	13.4
12.5°	754.9	625.8	489.6	364.5	262.8	202.2	121.1	40.5	23.3	16.2	13.8
10°	880.1	733.5	565.7	416.9	292.4	229.7	141.3	46.2	27.1	18.0	14.2
7.5°	1003.0	841.3	642.4	468.6	324.0	265.6	174.6	55.6	31.3	19.9	14.7
5°	1114.1	937.3	718.0	531.9	374.4	309.7	209.7	65.0	35.5	21.8	15.1
2.5°	1184.6	1012.0	788.9	592.7	423.6	352.1	243.3	74.2	39.6	23.8	15.5
0°	1247.7	1078.2	853.5	648.5	471.1	392.2	274.0	82.8	43.4	25.6	15.8
-2.5°	1287.7	1117.0	888.8	692.8	520.2	436.2	311.2	107.1	57.5	33.0	18.9
-5°	1321.1	1147.4	918.4	732.3	567.0	476.9	343.1	130.0	70.8	40.1	21.8
-7.5°	1333.4	1153.5	933.7	763.5	611.2	514.2	368.9	150.9	83.2	46.6	24.5
-10°	1333.5	1140.6	928.8	763.0	621.9	529.9	384.4	169.3	94.3	52.3	26.9
-12.5°	1324.1	1119.1	919.3	757.2	623.8	525.6	373.1	181.4	103.6	57.1	28.9
-15°	1304.4	1088.8	905.7	746.2	622.5	518.5	359.2	189.3	110.8	61.1	30.5
-17.5°	1264.3	1049.7	888.4	729.8	617.8	508.9	343.2	194.6	116.2	64.4	32.2
-20°	1170.1	993.5	867.3	708.0	609.5	496.7	325.9	197.1	119.5	66.3	33.8



REPORT NUMBER: P701592 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1070.9	928.8	813.6	693.8	595.5	482.1	307.8	196.6	120.6	66.7	34.8
-25°	969.0	862.7	755.5	661.0	575.6	454.9	297.2	193.1	119.3	65.6	35.2
-27.5°	887.0	796.6	699.5	628.1	542.9	428.6	291.6	191.1	116.5	62.8	34.9
-30°	813.3	735.4	658.9	594.1	509.5	391.3	282.2	186.1	113.2	60.9	33.9
-32.5°	755.6	678.7	622.9	556.3	468.5	353.4	261.8	177.8	107.5	59.6	33.1
-35°	709.6	640.3	587.5	518.5	424.4	323.5	236.8	166.1	99.3	57.3	31.9
-37.5°	664.4	611.1	546.8	476.2	380.4	291.0	213.7	147.9	88.8	53.9	30.0
-40°	632.4	577.1	510.4	428.7	340.6	256.0	188.7	130.2	81.8	49.5	27.5
-42.5°	598.8	536.1	464.2	382.1	299.9	226.6	162.8	111.5	74.1	45.2	24.2
-45°	553.1	489.1	413.4	336.0	258.2	195.6	141.3	93.4	65.4	40.7	21.4
-47.5°	502.9	433.5	362.5	289.0	222.6	165.0	118.9	83.0	56.1	35.1	19.9
-50°	443.1	378.2	311.8	247.6	186.6	139.7	98.4	71.9	48.3	28.3	18.0
-52.5°	388.3	324.2	264.4	206.7	156.7	113.6	85.3	60.4	39.8	24.1	15.8
-55°	332.7	272.8	218.5	169.6	126.3	95.8	71.5	50.0	30.8	20.8	13.5
-57.5°	277.0	222.0	175.6	133.2	103.1	79.8	58.2	38.9	25.3	17.3	13.2
-60°	219.9	174.4	132.6	106.7	84.7	63.7	44.8	29.2	20.8	14.2	12.8
-62.5°	165.8	129.0	106.4	85.8	65.9	47.5	32.0	23.4	15.9	13.6	12.3
-65°	124.5	102.6	82.9	64.0	46.6	32.9	24.8	17.3	14.4	13.1	12.0
-67.5°	92.7	74.4	57.3	41.3	32.2	24.9	17.5	14.9	13.7	12.5	12.0
-70°	59.6	44.6	36.3	30.0	23.5	17.6	15.5	14.2	13.1	12.3	11.9
-72.5°	36.3	31.3	26.0	20.8	18.3	16.2	14.6	13.5	12.6	12.1	11.8
-75°	24.7	22.1	20.0	17.9	16.0	14.6	13.5	12.7	12.2	11.8	11.4
-77.5°	19.7	18.0	16.3	15.1	14.1	13.2	12.5	12.0	11.6	11.2	10.8
-80°	15.5	14.5	13.7	12.9	12.3	11.8	11.5	11.2	10.9	10.6	10.3
-82.5°	11.9	11.6	11.4	11.3	11.1	10.8	10.6	10.4	10.2	9.9	9.7
-85°	9.6	9.7	9.9	10.2	10.0	9.9	9.7	9.6	9.4	9.3	9.1
-87.5°	8.2	8.5	8.8	9.0	9.0	8.9	8.8	8.7	8.7	8.6	8.5
-90°	5.9	5.9	5.9	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9



REPORT NUMBER: P701592 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	8.0	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	8.5	8.0	7.9	7.9	7.9	7.9	7.9
75°	9.0	8.5	8.0	7.9	7.9	7.9	7.9
72.5°	9.5	8.9	8.3	7.9	7.9	7.9	7.9
70°	9.9	9.3	8.6	7.9	7.9	7.9	7.9
67.5°	9.9	9.7	8.9	8.2	7.9	7.9	7.9
65°	9.9	9.9	9.3	8.4	7.9	7.9	7.9
62.5°	9.9	9.9	9.6	8.7	7.9	7.9	7.9
60°	9.9	9.9	9.9	8.9	7.9	7.9	7.9
57.5°	9.9	9.9	9.9	9.1	8.0	7.9	7.9
55°	9.9	9.9	9.9	9.3	8.2	7.9	7.9
52.5°	9.9	9.9	9.9	9.5	8.3	7.9	7.9
50°	9.9	9.9	9.9	9.8	8.5	7.9	7.9
47.5°	9.9	9.9	9.9	9.9	8.6	7.9	7.9
45°	9.9	9.9	9.9	9.9	8.7	7.9	7.9
42.5°	9.9	9.9	9.9	9.9	8.8	7.9	7.9
40°	9.9	9.9	9.9	9.9	9.0	7.9	7.9
37.5°	9.9	9.9	9.9	9.9	9.1	7.9	7.9
35°	9.9	9.9	9.9	9.9	9.2	7.9	7.9
32.5°	10.0	9.9	9.9	9.9	9.3	7.9	7.9
30°	10.2	9.9	9.9	9.9	9.4	7.9	7.9
27.5°	10.4	9.9	9.9	9.9	9.4	7.9	7.9
25°	10.6	9.9	9.9	9.9	9.5	7.9	7.9
22.5°	10.8	9.9	9.9	9.9	9.6	7.9	7.9
20°	11.1	10.1	9.9	9.9	9.7	7.9	7.9
17.5°	11.3	10.2	9.9	9.9	9.7	7.9	7.9
15°	11.5	10.4	9.9	9.9	9.8	7.9	7.9
12.5°	11.6	10.7	9.9	9.9	9.8	7.9	7.9
10°	11.7	10.9	9.9	9.9	9.8	7.9	7.9
7.5°	11.8	11.1	9.9	9.9	9.9	7.9	7.9
5°	11.8	11.4	9.9	9.9	9.9	7.9	7.9
2.5°	11.8	11.6	9.9	9.9	9.9	7.9	7.9
0°	11.8	11.8	9.9	9.9	9.9	7.9	7.9
-2.5°	12.9	11.8	9.9	9.9	9.9	7.9	7.9
-5°	13.9	11.8	9.9	9.9	9.9	7.9	7.9
-7.5°	14.8	11.7	9.9	9.9	9.9	7.9	7.9
-10°	15.6	11.7	9.9	9.9	9.8	7.9	7.9
-12.5°	16.3	11.6	9.9	9.9	9.8	7.9	7.9
-15°	16.8	11.5	9.9	9.9	9.8	7.9	7.9
-17.5°	17.0	11.4	9.9	9.9	9.7	7.9	7.9
-20°	17.4	11.2	9.9	9.9	9.7	7.9	7.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.1	11.1	9.9	9.9	9.6	7.9	7.9
-25°	18.4	11.2	9.9	9.9	9.5	7.9	7.9
-27.5°	18.3	11.4	9.9	9.9	9.4	7.9	7.9
-30°	17.8	11.4	9.9	9.9	9.4	7.9	7.9
-32.5°	16.8	11.4	10.0	9.9	9.3	7.9	7.9
-35°	16.4	11.1	10.1	9.9	9.2	7.9	7.9
-37.5°	16.1	10.9	10.2	9.9	9.1	7.9	7.9
-40°	15.6	11.0	10.2	9.9	9.0	7.9	7.9
-42.5°	14.8	11.0	10.2	9.9	8.8	7.9	7.9
-45°	13.8	11.1	10.3	10.0	8.7	7.9	7.9
-47.5°	12.5	11.0	10.4	10.0	8.6	7.9	7.9
-50°	12.3	11.0	10.4	9.9	8.5	7.9	7.9
-52.5°	12.1	10.9	10.5	9.7	8.3	7.9	7.9
-55°	11.9	10.9	10.5	9.6	8.2	7.9	7.9
-57.5°	11.7	11.0	10.6	9.4	8.0	7.9	7.9
-60°	11.4	11.0	10.6	9.2	7.9	7.9	7.9
-62.5°	11.5	11.1	10.3	9.0	7.9	7.9	7.9
-65°	11.5	11.1	10.1	8.8	7.9	7.9	7.9
-67.5°	11.6	11.0	9.8	8.6	7.9	7.9	7.9
-70°	11.6	10.6	9.5	8.4	7.9	7.9	7.9
-72.5°	11.3	10.2	9.2	8.3	7.9	7.9	7.9
-75°	10.8	9.9	8.9	8.2	7.9	7.9	7.9
-77.5°	10.4	9.5	8.7	8.2	7.9	7.9	7.9
-80°	9.9	9.2	8.6	8.1	7.9	7.9	7.9
-82.5°	9.4	8.9	8.4	8.1	7.9	7.9	7.9
-85°	8.9	8.5	8.2	8.0	7.9	7.9	7.9
-87.5°	8.4	8.2	8.1	8.0	7.9	7.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

