

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: P701483 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-1S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701483 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-80-1S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

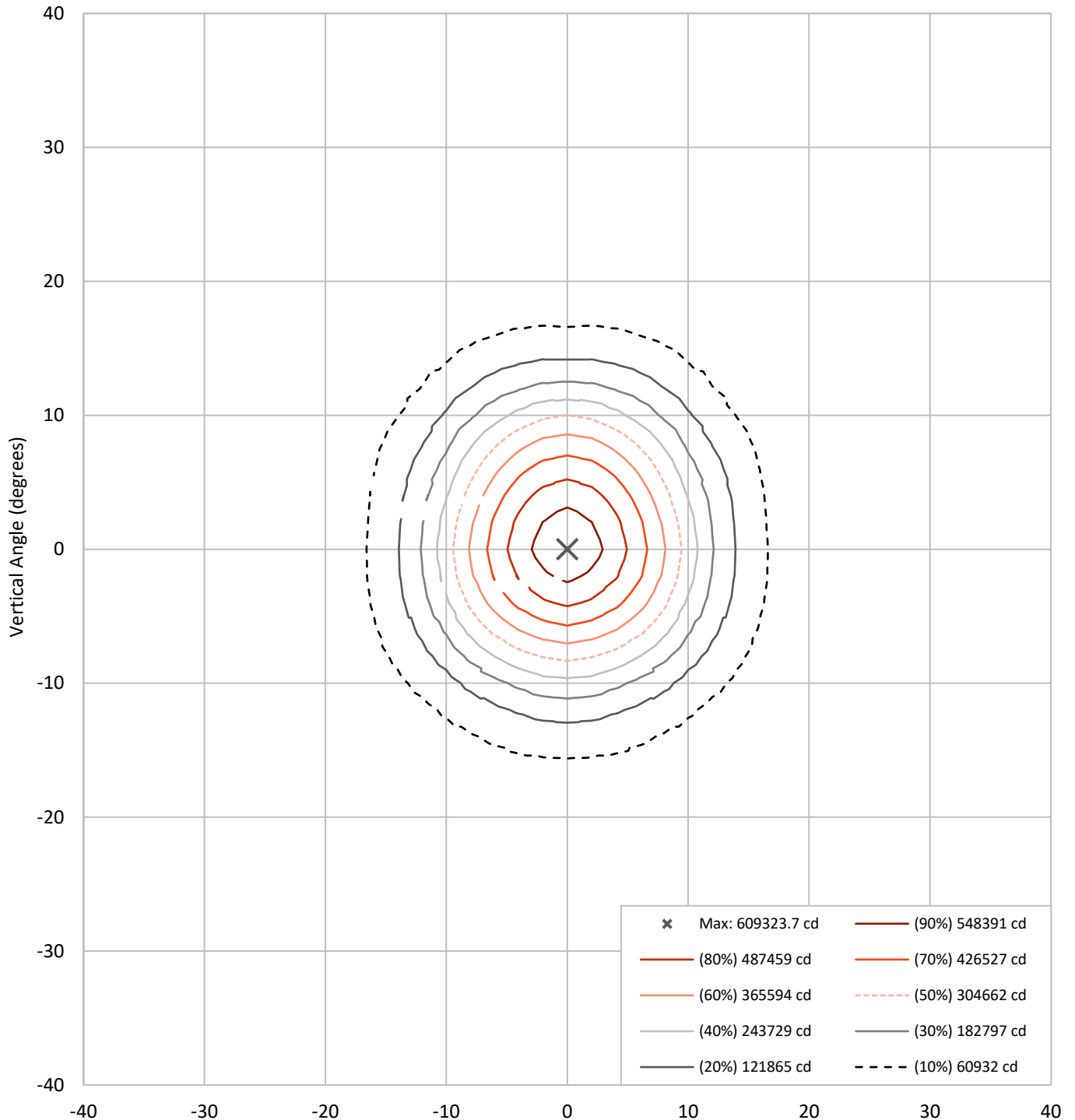
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	73394 lumens	Max Intensity:	609323.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	34243.5 lumens	Field Lumens:	62195.5 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 653.1  
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





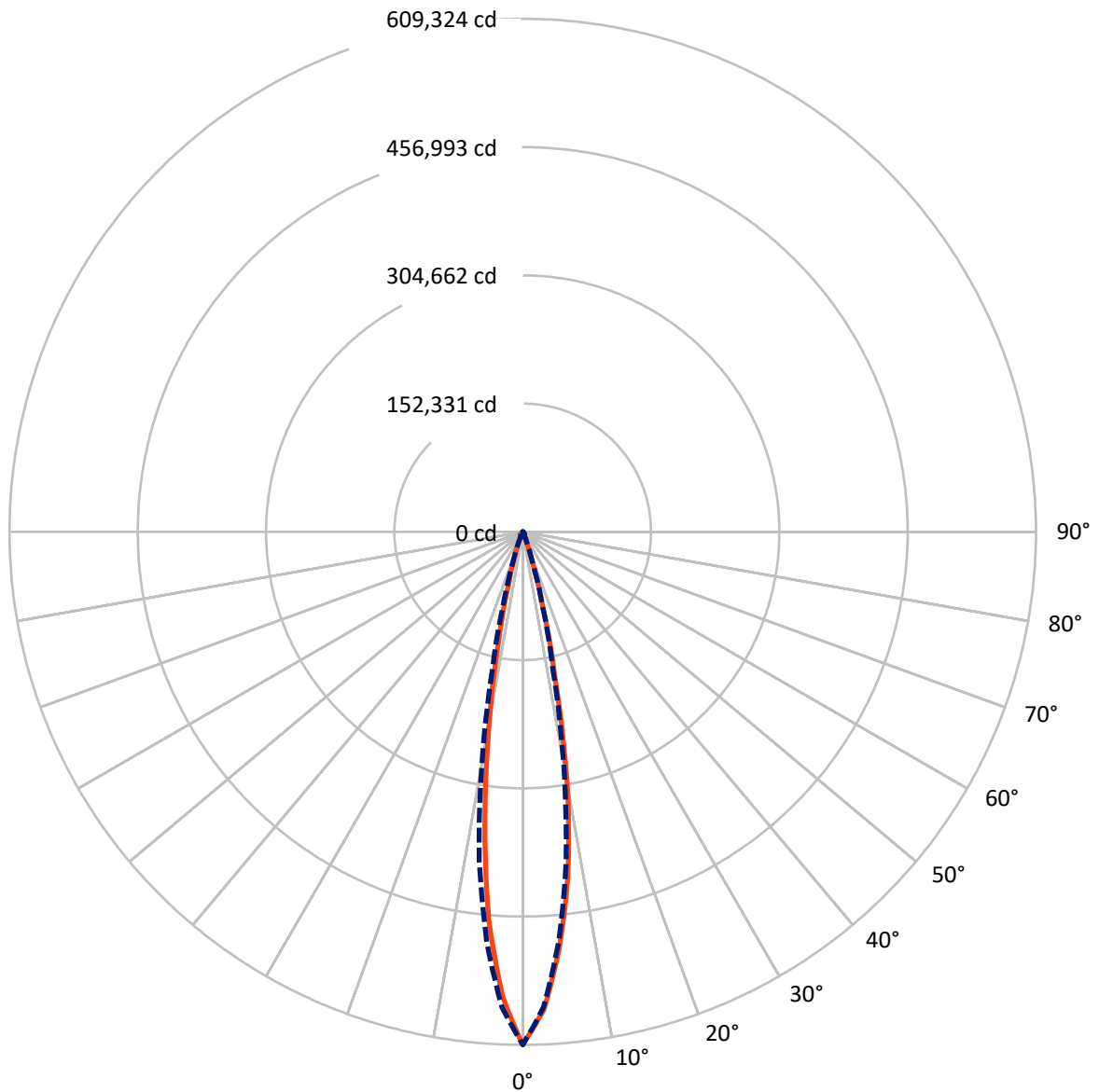
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### Lumen Table

90	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1								
80	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1								
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1	
60		0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1		
50	0.2	0.2	0.4	0.4	0.5	0.8	1.2	0.9	0.9	1.2	0.8	0.5	0.4	0.4	0.2	0.2	
40		0.3	0.9	2.0	4.1	5.8	8.3	10.2	10.2	8.3	5.8	4.1	2.0	0.9	0.3		
30	0.3	0.5	4.0	12.7	30.0	40.7	65.2	116.3	116.3	65.2	40.7	30.0	12.7	4.0	0.5	0.3	
20		1.3	8.5	36.6	73.7	97.7	713.8	2876.6	2876.6	713.8	97.7	73.7	36.6	8.5	1.3		
10	0.3	2.0	10.9	49.4	82.0	179.3	2674.3	11549.2	11549.2	2674.3	179.3	82.0	49.4	10.9	2.0	0.3	
0		2.5	11.6	48.5	81.9	174.1	2558.4	10698.8	10698.8	2558.4	174.1	81.9	48.5	11.6	2.5		
-10	0.6	2.9	11.1	38.9	75.5	95.3	569.8	2136.0	2136.0	569.8	95.3	75.5	38.9	11.1	2.9	0.6	
-20		3.0	10.8	26.9	74.8	93.8	106.2	183.3	183.3	106.2	93.8	74.8	26.9	10.8	3.0		
-30	0.5	2.6	9.8	19.0	53.1	110.0	128.8	132.7	132.7	128.8	110.0	53.1	19.0	9.8	2.6	0.5	
-40		1.8	7.5	16.8	28.1	50.6	91.7	124.5	124.5	91.7	50.6	28.1	16.8	7.5	1.8		
-50	0.3	0.9	4.3	11.3	21.5	31.3	39.4	44.3	44.3	39.4	31.3	21.5	11.3	4.3	0.9	0.3	
-60		0.4	1.5	4.4	9.2	15.1	20.9	24.4	24.4	20.9	15.1	9.2	4.4	1.5	0.4		
-70	0.2	0.4	1.5	4.4	9.2	15.1	20.9	24.4	24.4	20.9	15.1	9.2	4.4	1.5	0.4	0.2	
-80		0.2	1.2	3.3	7.7	10.4	7.7	3.3	1.2	0.2							
-90	0.2	1.2	3.3	7.7	10.4	7.7	3.3	1.2	0.2								

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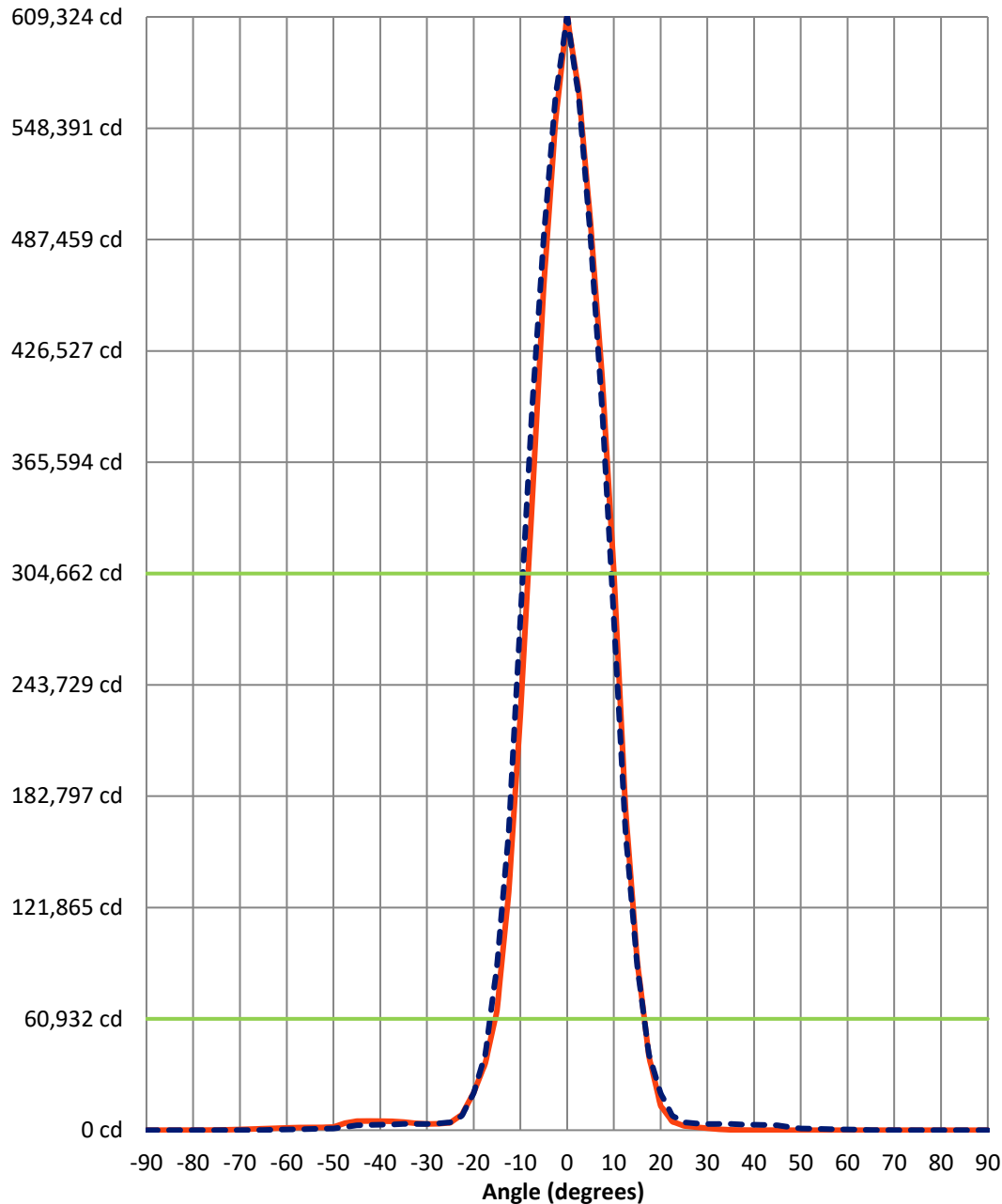
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 18.9°  
 V Angle: 18.3°  
 Lumens: 34243.5  
 Efficiency: 46.7%

**Field:**  
 H Angle: 33°  
 V Angle: 31.9°  
 Lumens: 62195.5  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 11198.5  
 Efficiency: 15.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.4	4.4	4.4	5.1	5.9	6.6	7.3	8.1	8.8	9.6	10.3
87.5°	4.4	4.4	4.4	4.1	3.8	3.5	3.3	3.2	3.2	3.0	2.9
85°	4.4	4.5	4.4	4.1	3.9	3.8	3.7	3.6	3.4	3.2	2.9
82.5°	4.4	4.5	4.4	4.2	4.0	4.0	4.1	3.9	3.7	3.5	3.3
80°	4.4	4.5	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.1	4.0
77.5°	4.4	4.6	4.4	4.3	4.3	4.5	4.8	4.8	4.8	4.7	4.5
75°	4.4	4.6	4.4	4.3	4.4	4.8	5.2	5.3	5.2	4.9	4.5
72.5°	4.4	4.6	4.4	4.4	4.7	5.1	5.6	5.6	5.3	4.9	4.6
70°	4.4	4.7	4.5	4.4	4.9	5.4	5.9	5.7	5.3	5.0	5.1
67.5°	4.4	4.7	4.5	4.6	5.2	5.8	5.9	5.7	5.4	5.5	5.7
65°	4.4	4.7	4.5	4.8	5.4	6.0	6.0	5.8	5.9	6.1	6.2
62.5°	4.4	4.8	4.6	5.0	5.7	6.1	6.1	6.1	6.4	6.6	6.4
60°	4.4	4.8	4.6	5.1	5.9	6.2	6.2	6.5	6.9	7.0	6.7
57.5°	4.4	4.9	4.7	5.3	6.0	6.3	6.5	6.9	7.3	7.3	7.3
55°	4.4	4.9	4.9	5.5	6.2	6.5	6.9	7.3	7.7	7.8	8.0
52.5°	4.4	5.0	5.0	5.6	6.3	6.6	7.2	7.8	8.2	8.4	8.7
50°	4.4	5.0	5.2	5.8	6.5	6.9	7.6	8.3	8.8	9.1	10.0
47.5°	4.4	5.0	5.3	5.9	6.6	7.2	7.9	8.8	9.3	9.7	11.4
45°	4.4	5.1	5.4	6.1	6.8	7.5	8.4	9.4	9.9	10.8	12.6
42.5°	4.4	5.1	5.6	6.2	7.0	7.8	8.9	9.9	10.4	11.8	14.9
40°	4.4	5.2	5.7	6.4	7.2	8.1	9.4	10.3	11.1	12.7	17.2
37.5°	4.4	5.2	5.8	6.5	7.4	8.3	9.9	10.8	12.0	14.1	19.4
35°	4.4	5.3	6.0	6.7	7.6	8.7	10.4	11.2	12.9	16.2	21.1
32.5°	4.4	5.3	6.1	6.9	7.8	9.1	10.9	11.7	13.9	18.2	22.9
30°	4.4	5.4	6.2	7.1	8.0	9.5	11.3	12.2	14.9	20.1	25.0
27.5°	4.4	5.4	6.3	7.3	8.2	9.9	11.6	13.0	16.1	22.0	27.4
25°	4.4	5.5	6.4	7.4	8.5	10.3	12.0	13.8	17.6	23.9	30.2
22.5°	4.4	5.5	6.5	7.6	8.7	10.7	12.3	14.5	19.0	26.0	34.4
20°	4.4	5.6	6.6	7.8	8.9	10.9	12.6	15.3	20.4	28.2	38.9
17.5°	4.4	5.6	6.7	7.9	9.1	11.2	12.9	16.0	21.6	30.5	43.7
15°	4.4	5.7	6.8	8.1	9.3	11.4	13.2	16.6	22.7	32.8	48.7
12.5°	4.4	5.7	6.9	8.2	9.5	11.5	13.4	17.2	23.8	35.1	53.8
10°	4.4	5.7	7.0	8.3	9.7	11.6	13.7	17.7	24.8	37.3	58.9
7.5°	4.4	5.8	7.1	8.5	9.9	11.7	14.0	18.1	25.7	39.3	63.8
5°	4.4	5.8	7.2	8.6	10.0	11.8	14.2	18.5	26.6	41.1	68.4
2.5°	4.4	5.9	7.2	8.7	10.2	11.8	14.5	18.8	27.3	42.7	72.7
0°	4.4	5.9	7.3	8.8	10.3	11.8	14.7	19.1	27.9	44.1	76.4
-2.5°	4.4	5.9	7.4	8.9	10.5	12.4	16.1	22.8	35.8	58.2	98.3
-5°	4.4	6.0	7.4	9.0	10.8	13.0	17.4	26.3	43.4	71.7	119.0
-7.5°	4.4	6.0	7.5	9.1	11.0	13.6	18.6	29.5	50.5	84.3	138.3
-10°	4.4	6.0	7.5	9.1	11.2	14.1	19.7	32.4	56.8	95.7	155.6
-12.5°	4.4	6.0	7.6	9.2	11.4	14.6	20.7	34.9	62.2	105.6	170.2
-15°	4.4	6.0	7.6	9.2	11.5	15.0	21.5	36.9	67.4	114.5	182.1
-17.5°	4.4	6.0	7.6	9.3	11.6	15.4	22.2	39.2	72.5	121.8	191.3
-20°	4.4	6.0	7.6	9.3	11.7	15.6	22.9	41.4	76.2	127.3	197.6



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	6.0	7.7	9.3	11.7	15.8	23.7	42.7	78.5	130.9	200.8
-25°	4.4	6.0	7.7	9.3	11.8	15.9	24.1	43.0	79.2	132.3	200.6
-27.5°	4.4	6.0	7.7	9.3	11.7	16.0	24.0	42.2	78.2	132.2	201.6
-30°	4.4	6.0	7.7	9.3	11.7	16.0	23.5	40.2	76.8	130.9	200.0
-32.5°	4.4	6.0	7.7	9.3	11.7	15.9	22.5	39.1	74.6	127.3	195.4
-35°	4.4	6.0	7.6	9.3	11.6	15.6	21.9	37.9	70.6	121.3	188.0
-37.5°	4.4	5.9	7.6	9.2	11.5	15.4	21.6	36.0	64.9	112.9	176.0
-40°	4.4	5.9	7.6	9.2	11.4	15.2	21.2	33.3	57.4	104.2	162.1
-42.5°	4.4	5.9	7.5	9.2	11.3	15.0	20.5	29.8	51.9	92.8	145.6
-45°	4.4	5.8	7.5	9.1	11.2	14.7	19.8	27.0	47.0	79.6	127.1
-47.5°	4.4	5.8	7.4	9.1	11.2	14.3	18.8	25.9	41.0	65.0	110.3
-50°	4.4	5.7	7.4	9.0	11.1	13.9	18.2	24.5	34.0	56.8	91.6
-52.5°	4.4	5.7	7.3	8.9	10.9	13.4	17.5	23.0	30.4	47.7	72.2
-55°	4.4	5.6	7.3	8.8	10.8	13.1	16.7	21.4	28.3	37.7	60.6
-57.5°	4.4	5.5	7.2	8.6	10.6	12.8	15.9	20.3	26.1	33.3	47.9
-60°	4.4	5.5	7.1	8.5	10.4	12.5	15.0	19.1	23.9	30.4	37.8
-62.5°	4.4	5.4	6.9	8.3	10.1	12.2	14.5	17.9	22.4	27.3	34.2
-65°	4.4	5.3	6.7	8.1	9.7	11.8	14.0	16.8	21.0	25.3	30.3
-67.5°	4.4	5.2	6.5	7.9	9.4	11.4	13.5	16.1	19.4	23.6	27.8
-70°	4.4	5.1	6.3	7.7	9.0	10.7	12.9	15.3	18.3	21.8	25.7
-72.5°	4.4	5.1	6.1	7.4	8.5	10.1	12.0	14.5	17.2	20.2	23.7
-75°	4.4	5.0	5.9	7.1	8.1	9.4	11.0	13.4	15.9	18.6	21.6
-77.5°	4.4	4.9	5.6	6.7	7.7	8.6	10.0	12.2	14.6	16.9	19.4
-80°	4.4	4.8	5.4	6.4	7.3	8.1	8.9	11.0	13.2	15.3	17.5
-82.5°	4.4	4.7	5.2	6.1	7.0	7.8	8.4	10.0	11.8	13.8	15.8
-85°	4.4	4.6	4.9	5.8	6.6	7.4	8.1	9.4	10.8	12.3	14.0
-87.5°	4.4	4.5	4.7	5.5	6.2	7.0	7.7	8.7	9.8	10.9	12.2
-90°	4.4	4.4	4.4	4.0	3.7	3.3	2.9	2.9	2.9	2.9	2.9





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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°	10.3	10.3	10.3	10.3	10.7	11.1	11.4	11.8	12.2	12.5	12.9
87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.7	1.5	1.5	1.5	1.5
85°	2.9	2.9	2.9	2.9	2.6	2.4	2.2	2.1	2.0	1.9	1.7
82.5°	3.3	3.3	3.1	2.9	2.8	2.9	2.9	2.9	2.7	2.4	2.3
80°	3.9	3.7	3.5	3.4	3.4	3.4	3.2	3.0	2.9	3.0	3.2
77.5°	4.2	4.1	4.1	4.2	4.1	3.9	3.7	3.7	3.9	4.1	4.3
75°	4.3	4.4	4.5	4.5	4.3	4.3	4.4	4.7	4.9	4.9	4.8
72.5°	4.6	4.8	4.8	4.6	4.7	5.1	5.4	5.8	6.5	7.3	8.0
70°	5.3	5.3	5.2	5.3	5.6	6.2	7.5	9.1	10.8	12.6	15.3
67.5°	5.8	5.6	5.7	6.1	7.1	8.5	10.3	16.2	23.0	25.9	26.8
65°	5.9	5.9	6.4	7.4	8.7	13.3	19.8	27.8	35.3	36.2	34.9
62.5°	6.0	6.5	7.4	9.5	13.9	20.2	27.2	34.8	43.3	43.7	38.3
60°	6.6	7.2	9.5	13.6	18.8	24.4	32.1	38.2	45.2	48.5	37.0
57.5°	7.3	8.6	12.3	17.3	22.5	26.7	30.8	37.1	40.8	41.5	30.5
55°	8.5	10.5	15.2	20.9	24.6	23.6	27.0	30.5	32.0	29.8	21.3
52.5°	10.2	12.6	18.6	23.4	24.2	22.2	22.2	23.9	22.2	19.1	16.7
50°	11.9	16.3	21.7	24.8	24.1	21.1	17.9	17.6	16.9	15.9	14.3
47.5°	14.6	19.7	24.3	26.2	23.2	20.1	16.2	15.7	15.7	15.1	13.7
45°	17.5	22.4	27.2	25.5	22.6	19.6	18.1	16.2	16.2	16.3	17.2
42.5°	20.3	24.7	27.0	24.8	22.9	22.0	21.7	19.3	19.2	23.2	24.6
40°	22.1	26.6	27.0	26.7	24.6	26.6	27.3	27.4	28.6	32.9	35.0
37.5°	23.7	27.3	29.0	31.7	29.8	33.0	34.5	50.5	52.5	44.3	60.9
35°	24.9	28.6	36.0	44.0	46.6	41.3	62.4	84.5	92.1	87.2	105.9
32.5°	26.3	30.6	45.5	64.7	82.1	77.7	98.1	136.3	160.7	173.1	188.0
30°	29.0	39.4	60.4	91.0	136.1	163.2	164.8	205.3	250.1	329.7	401.5
27.5°	33.5	51.1	85.7	141.0	210.6	267.1	277.7	303.8	406.4	556.9	746.5
25°	38.7	79.5	114.7	208.9	311.4	375.1	393.6	438.1	616.0	961.4	1148.6
22.5°	53.1	117.3	163.9	288.0	424.5	479.4	518.1	679.8	1001.1	1457.6	1598.1
20°	80.3	161.1	224.9	356.0	538.7	582.6	640.7	987.4	1502.6	1882.7	2073.7
17.5°	112.4	205.3	286.0	423.1	583.9	665.1	788.1	1339.6	2020.5	2293.4	2492.3
15°	148.3	249.6	338.9	482.1	623.8	719.9	1019.0	1749.1	2458.6	2684.5	2879.0
12.5°	186.7	293.4	384.5	533.5	663.3	770.9	1229.1	2037.0	2669.2	2988.7	3239.3
10°	226.3	336.5	423.5	577.4	701.6	817.8	1425.9	2283.8	2775.7	3040.2	3316.8
7.5°	250.8	364.0	453.5	614.4	738.1	860.5	1604.2	2489.1	2849.0	3056.2	3261.2
5°	269.2	373.4	461.1	630.9	765.4	891.9	1738.5	2652.4	2895.6	3044.0	3164.3
2.5°	283.2	379.8	466.2	640.0	785.9	907.7	1751.3	2678.1	2881.3	3020.8	3103.8
0°	292.5	383.6	468.8	643.7	802.4	918.5	1725.4	2664.5	2849.6	2993.7	3090.7
-2.5°	302.8	394.8	490.0	655.1	803.9	918.9	1700.8	2638.1	2881.1	3074.5	3235.5
-5°	309.0	403.7	508.0	662.1	801.2	915.2	1645.4	2570.4	2877.2	3080.8	3278.3
-7.5°	311.9	410.6	522.0	664.1	789.7	897.6	1551.3	2408.8	2756.1	2946.7	3191.0
-10°	313.0	419.5	528.5	653.7	767.4	870.2	1426.0	2222.2	2631.0	2805.4	3062.3
-12.5°	315.9	430.0	532.7	643.4	744.7	839.8	1272.8	2017.7	2505.1	2658.4	2920.0
-15°	315.9	438.5	535.6	634.5	722.7	806.8	1092.9	1801.5	2436.2	2685.3	2900.3
-17.5°	313.3	445.0	537.8	628.2	702.4	771.5	893.9	1608.5	2392.8	2743.3	2955.4
-20°	308.2	449.5	539.7	625.7	685.4	755.1	852.4	1393.3	2172.1	2769.6	3028.6



REPORT NUMBER: P701483 (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°	301.0	452.1	541.5	623.7	690.9	756.8	838.7	1149.4	1865.4	2766.3	3030.8
-25°	297.6	439.4	541.2	623.4	699.1	760.2	822.6	917.4	1535.8	2372.7	2950.5
-27.5°	296.3	424.8	531.9	617.3	706.6	765.6	819.6	896.6	1220.5	1901.2	2785.9
-30°	290.5	400.8	518.4	605.0	699.2	771.8	825.0	873.7	963.0	1495.0	2231.3
-32.5°	277.2	375.8	492.8	587.1	681.3	777.6	826.9	868.9	934.7	1092.1	1690.1
-35°	261.5	355.9	462.5	564.2	656.4	757.6	823.8	867.8	911.1	987.2	1258.3
-37.5°	247.4	332.9	431.6	534.1	626.7	721.8	816.7	863.3	906.8	961.3	1064.5
-40°	230.6	307.1	402.3	499.9	592.4	684.0	776.0	856.9	900.6	971.4	1039.5
-42.5°	211.2	285.4	370.9	464.6	553.2	643.0	733.1	819.7	910.5	981.5	1049.6
-45°	189.9	260.7	337.6	422.8	509.8	597.5	684.9	775.0	884.4	992.7	1060.9
-47.5°	165.5	233.1	306.2	376.6	460.4	546.3	632.1	726.5	834.9	947.9	1069.7
-50°	139.9	202.3	269.1	333.7	405.0	488.6	572.7	667.7	769.7	879.1	993.9
-52.5°	116.4	168.2	228.4	290.9	353.0	422.7	507.0	597.2	692.7	795.5	895.8
-55°	90.8	136.6	184.5	243.2	304.1	363.3	431.9	516.3	604.4	697.5	788.0
-57.5°	71.6	103.9	144.3	191.0	248.3	308.0	367.1	430.9	508.9	591.1	666.5
-60°	55.9	77.1	106.4	144.7	187.1	242.0	300.4	358.2	418.5	478.6	543.7
-62.5°	41.5	57.7	76.5	101.3	136.9	174.4	223.0	276.9	332.9	382.8	430.1
-65°	36.8	41.6	54.5	71.7	89.3	120.2	154.5	190.6	237.4	281.3	324.1
-67.5°	31.9	36.4	40.6	47.1	62.5	77.9	93.1	123.0	154.3	182.4	212.3
-70°	28.9	31.5	35.2	38.9	42.3	48.8	62.2	75.3	87.8	103.1	126.7
-72.5°	26.2	28.2	30.6	33.2	36.3	39.3	42.4	45.6	53.4	63.8	73.1
-75°	23.5	24.8	26.5	28.5	30.7	32.9	35.1	37.7	40.4	43.3	46.3
-77.5°	20.8	22.0	23.1	24.1	25.5	27.4	29.2	31.0	32.7	34.3	35.9
-80°	18.4	19.1	19.9	20.8	21.8	22.8	23.9	25.1	26.3	27.6	29.0
-82.5°	16.4	16.9	17.4	17.9	18.3	18.8	19.3	20.0	20.7	21.5	22.3
-85°	14.4	14.7	15.0	15.3	15.7	16.0	16.2	16.5	16.8	17.0	17.3
-87.5°	12.3	12.5	12.7	12.8	13.1	13.4	13.6	13.8	14.0	14.2	14.3
-90°	2.6	2.2	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P701483 (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°	13.2	13.6	14.0	14.3	14.7	15.1	15.5	15.8	16.2	16.2	16.2
87.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	2.2	2.1	1.9	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	3.3	3.2	2.9	2.7	2.4	2.3	2.1	1.8	1.5	1.5	1.5
77.5°	4.4	4.1	3.7	3.4	3.0	2.8	2.7	2.7	2.7	2.7	2.8
75°	4.5	4.4	4.6	4.6	4.4	4.2	4.0	3.6	3.0	2.9	2.9
72.5°	8.7	9.1	8.9	8.7	8.0	7.4	7.2	6.8	6.4	6.3	6.3
70°	16.7	16.8	16.2	14.7	12.5	10.9	10.3	9.6	8.7	8.7	9.1
67.5°	25.4	23.2	21.2	18.8	15.7	13.7	13.0	12.2	11.3	11.0	10.9
65°	31.4	24.7	21.0	18.6	17.1	15.4	13.7	12.1	10.5	9.5	9.2
62.5°	31.0	21.6	17.5	15.5	14.0	12.9	11.3	9.8	8.6	7.7	7.6
60°	26.9	18.0	13.4	12.1	11.1	10.3	9.4	8.5	7.8	7.3	7.3
57.5°	21.0	14.0	10.3	10.1	9.7	9.1	8.6	8.1	7.7	7.3	7.7
55°	15.3	12.3	10.4	10.2	9.9	9.3	8.7	8.6	8.5	8.3	8.9
52.5°	13.3	12.1	11.6	11.3	10.7	10.3	10.2	10.2	10.3	10.6	10.8
50°	13.1	12.6	12.2	11.7	11.6	11.6	11.7	12.1	12.5	12.7	12.7
47.5°	13.6	13.4	13.9	13.0	13.3	14.3	14.5	14.8	15.9	16.1	16.1
45°	16.0	18.1	18.6	18.5	18.1	23.6	24.7	22.6	31.1	29.9	23.3
42.5°	24.6	27.3	29.0	34.2	42.1	47.3	61.0	83.7	74.9	56.4	36.4
40°	42.2	41.5	49.5	59.3	65.1	75.7	92.6	114.4	105.5	89.6	95.7
37.5°	74.4	75.3	78.0	90.8	95.5	83.7	108.4	106.6	90.5	115.7	118.6
35°	136.5	151.0	128.3	156.2	162.8	152.8	161.8	179.0	154.9	187.3	197.7
32.5°	245.7	270.7	271.7	278.2	301.4	323.7	330.0	376.4	391.4	430.6	472.6
30°	392.4	438.6	478.0	488.6	519.5	574.7	620.2	709.6	805.3	877.2	971.6
27.5°	707.3	665.4	753.1	859.7	825.7	905.9	1070.0	1199.1	1389.8	1527.1	1601.2
25°	1144.0	1076.0	1235.7	1398.3	1398.7	1412.2	1649.7	1856.6	2012.7	2136.6	2245.3
22.5°	1659.5	1744.2	1887.4	2076.2	1977.8	2067.5	2303.2	2471.3	2690.0	2904.3	3546.5
20°	2237.1	2408.6	2526.4	2498.2	2493.9	2646.5	2853.8	3178.2	3839.6	6171.4	8398.0
17.5°	2746.1	2954.4	2944.1	2825.5	2881.7	3137.8	3514.1	4773.6	8115.1	15688.0	22775.1
15°	3140.8	3233.6	3172.5	3101.6	3227.3	3610.8	4552.0	8625.0	18764.8	30891.9	44734.1
12.5°	3404.5	3368.0	3207.7	3219.3	3518.0	4056.8	7255.8	16788.4	31450.1	48672.3	83474.1
10°	3506.4	3406.6	3266.4	3396.1	3803.5	5100.4	9759.0	23309.9	45476.7	81282.3	128190.5
7.5°	3436.9	3351.9	3312.4	3541.6	4083.9	6754.8	15169.9	32970.0	65186.9	111360.8	177372.5
5°	3392.1	3335.3	3343.8	3637.2	4261.2	7971.3	18994.1	39047.1	80858.2	140448.4	224429.6
2.5°	3389.4	3355.6	3370.6	3703.5	4361.1	8594.0	21148.3	40059.2	86363.0	156270.3	262933.3
0°	3425.8	3403.7	3390.5	3716.7	4313.4	7984.6	20290.0	41685.1	90139.4	163408.7	279660.9
-2.5°	3595.0	3414.6	3407.0	3716.0	4366.2	8437.8	20792.4	41123.6	88776.4	156811.3	261716.5
-5°	3554.5	3350.5	3317.9	3577.4	4184.3	7598.4	18203.1	37978.8	77980.9	133337.4	215715.9
-7.5°	3393.9	3257.6	3199.7	3406.1	3934.0	6377.6	14116.7	29984.7	58721.0	100504.8	155445.9
-10°	3263.3	3173.4	3087.8	3230.7	3631.9	4873.9	8999.3	20115.8	39942.5	68345.3	99809.1
-12.5°	3194.7	3152.1	2997.9	3037.8	3318.1	3869.0	6296.9	13596.9	25014.1	37112.3	60625.6
-15°	3146.0	3113.8	2969.3	2959.8	3116.4	3442.0	4148.2	7052.8	13988.1	22697.7	32030.9
-17.5°	3102.1	3090.3	3013.7	2930.7	2950.2	3139.0	3527.9	4559.3	7153.5	12689.7	18722.2
-20°	3123.3	3130.1	3071.6	2984.9	2954.0	2978.4	3180.4	3535.8	4192.9	6431.0	9164.0



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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°	3116.6	3136.5	3120.8	3127.0	3089.8	3033.0	2993.0	3148.2	3396.8	3794.8	4805.7
-25°	3115.9	3143.4	3260.0	3409.5	3393.9	3258.4	3116.4	2993.5	3135.8	3307.7	3558.6
-27.5°	3069.8	3248.2	3538.8	3759.1	3822.3	3673.7	3475.1	3268.5	3245.8	3240.4	3336.9
-30°	3054.6	3438.0	3780.7	4094.8	4139.1	4064.1	3972.2	3825.0	3666.9	3579.4	3532.8
-32.5°	2593.6	3521.7	3940.8	4223.3	4293.3	4290.0	4310.7	4240.8	4191.5	4134.9	4055.0
-35°	1969.1	2943.0	3969.1	4099.4	4213.2	4314.7	4450.5	4485.3	4512.7	4543.9	4571.8
-37.5°	1375.1	2134.2	2986.8	3730.6	3966.9	4143.5	4384.1	4560.6	4707.5	4780.3	4867.7
-40°	1139.1	1348.9	2009.4	2638.1	3257.5	3828.8	4088.0	4388.7	4670.0	4826.3	4969.2
-42.5°	1115.7	1190.4	1269.8	1708.2	2232.5	2771.7	3301.5	3781.8	4293.4	4634.6	4885.7
-45°	1123.2	1160.9	1207.3	1284.3	1366.4	1777.9	2221.8	2674.9	3234.1	3780.5	4257.3
-47.5°	1122.3	1156.7	1193.4	1230.6	1279.6	1356.4	1435.2	1563.5	1960.0	2379.3	2785.0
-50°	1083.4	1153.4	1187.6	1222.4	1258.0	1296.0	1335.8	1392.1	1459.2	1522.1	1572.9
-52.5°	985.3	1067.7	1147.0	1213.3	1246.0	1279.3	1314.7	1361.6	1405.6	1446.9	1468.4
-55°	874.3	956.4	1036.6	1107.9	1175.2	1240.0	1300.1	1343.1	1387.1	1431.8	1450.1
-57.5°	746.8	829.6	909.2	975.8	1042.9	1110.0	1172.4	1232.2	1291.9	1348.4	1380.0
-60°	611.0	680.2	751.5	819.6	884.9	947.0	1005.0	1061.7	1116.0	1163.4	1193.3
-62.5°	477.7	532.1	592.3	651.5	708.8	764.2	817.7	868.7	916.9	957.4	985.6
-65°	365.7	406.3	447.8	490.4	534.0	581.6	626.6	669.1	708.9	741.9	766.4
-67.5°	248.4	283.6	317.1	348.7	380.6	414.2	448.4	480.5	510.4	534.6	553.7
-70°	149.3	171.2	192.5	215.3	240.9	265.4	289.5	312.3	333.6	350.2	362.7
-72.5°	81.4	89.3	99.9	117.3	133.5	148.4	162.1	174.5	185.6	194.8	202.3
-75°	49.5	53.5	60.0	66.2	72.1	77.9	83.3	88.3	92.9	96.7	99.9
-77.5°	37.8	40.0	42.1	44.0	45.8	47.8	49.7	51.5	53.2	54.7	56.0
-80°	30.2	31.5	32.6	33.8	34.8	36.1	37.3	38.5	39.7	40.5	41.2
-82.5°	23.1	24.2	25.3	26.3	27.3	28.0	28.6	29.3	30.0	30.6	31.2
-85°	17.5	18.3	19.2	20.0	20.9	21.2	21.4	21.6	21.7	22.2	22.6
-87.5°	14.4	14.8	15.2	15.7	16.1	16.4	16.8	17.2	17.6	17.9	18.3
-90°	1.5	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701483 (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°
90°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.8
87.5°	0.4	0.0	0.7	1.5	0.7	0.0	0.4	0.7	1.1	1.4	1.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
77.5°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7
75°	2.9	2.9	3.6	4.4	3.6	2.9	2.9	2.9	2.9	3.0	3.6
72.5°	6.1	5.9	5.9	5.9	5.9	5.9	6.1	6.3	6.3	6.4	6.8
70°	9.6	10.1	10.3	10.3	10.3	10.1	9.6	9.1	8.7	8.7	9.6
67.5°	10.7	10.4	8.9	7.3	8.9	10.4	10.7	10.9	11.0	11.3	12.2
65°	9.0	8.9	8.1	7.3	8.1	8.9	9.0	9.2	9.5	10.5	12.1
62.5°	7.5	7.4	7.3	7.3	7.3	7.4	7.5	7.6	7.7	8.6	9.8
60°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.8	8.5
57.5°	8.1	8.6	8.8	8.8	8.8	8.6	8.1	7.7	7.3	7.7	8.1
55°	9.5	10.0	10.3	10.3	10.3	10.0	9.5	8.9	8.3	8.5	8.6
52.5°	10.8	10.5	10.8	11.8	10.8	10.5	10.8	10.8	10.6	10.3	10.2
50°	12.8	13.0	13.2	13.2	13.2	13.0	12.8	12.7	12.7	12.5	12.1
47.5°	16.3	16.2	16.1	16.2	16.1	16.2	16.3	16.1	16.1	15.9	14.8
45°	24.1	24.5	25.2	26.5	25.2	24.5	24.1	23.3	29.9	31.1	22.6
42.5°	38.1	39.0	39.4	39.7	39.4	39.0	38.1	36.4	56.4	74.9	83.7
40°	90.8	72.2	54.0	54.4	54.0	72.2	90.8	95.7	89.6	105.5	114.4
37.5°	104.2	94.8	91.0	89.6	91.0	94.8	104.2	118.6	115.7	90.5	106.6
35°	197.4	200.9	196.4	198.4	196.4	200.9	197.4	197.7	187.3	154.9	179.0
32.5°	486.1	505.8	498.8	501.2	498.8	505.8	486.1	472.6	430.6	391.4	376.4
30°	1009.7	1070.3	1084.0	1080.2	1084.0	1070.3	1009.7	971.6	877.2	805.3	709.6
27.5°	1631.0	1679.1	1689.0	1679.8	1689.0	1679.1	1631.0	1601.2	1527.1	1389.8	1199.1
25°	2305.3	2351.1	2377.0	2364.7	2377.0	2351.1	2305.3	2245.3	2136.6	2012.7	1856.6
22.5°	4290.0	4498.2	4599.8	4738.1	4599.8	4498.2	4290.0	3546.5	2904.3	2690.0	2471.3
20°	12652.0	14090.1	13817.6	13520.8	13817.6	14090.1	12652.0	8398.0	6171.4	3839.6	3178.2
17.5°	31581.0	38652.5	42019.8	40649.0	42019.8	38652.5	31581.0	22775.1	15688.0	8115.1	4773.6
15°	64592.4	84350.2	95902.5	92818.6	95902.5	84350.2	64592.4	44734.1	30891.9	18764.8	8625.0
12.5°	117009.6	148410.7	172466.9	175910.4	172466.9	148410.7	117009.6	83474.1	48672.3	31450.1	16788.4
10°	184016.0	242042.3	289862.1	305475.3	289862.1	242042.3	184016.0	128190.5	81282.3	45476.7	23309.9
7.5°	263884.4	341345.5	396495.2	411824.2	396495.2	341345.5	263884.4	177372.5	111360.8	65186.9	32970.0
5°	327939.9	417087.4	478159.1	496917.6	478159.1	417087.4	327939.9	224429.6	140448.4	80858.2	39047.1
2.5°	375919.4	469426.7	537528.4	568646.1	537528.4	469426.7	375919.4	262933.3	156270.3	86363.0	40059.2
0°	394505.9	488734.6	565100.5	609323.7	565100.5	488734.6	394505.9	279660.9	163408.7	90139.4	41685.1
-2.5°	376324.1	463930.4	522737.1	551736.2	522737.1	463930.4	376324.1	261716.5	156811.3	88776.4	41123.6
-5°	313302.0	390821.9	441534.8	462007.6	441534.8	390821.9	313302.0	215715.9	133337.4	77980.9	37978.8
-7.5°	224488.5	288123.1	325923.8	343174.0	325923.8	288123.1	224488.5	155445.9	100504.8	58721.0	29984.7
-10°	145848.0	181070.6	219184.0	227341.4	219184.0	181070.6	145848.0	99809.1	68345.3	39942.5	20115.8
-12.5°	82167.2	104393.2	123335.6	130171.9	123335.6	104393.2	82167.2	60625.6	37112.3	25014.1	13596.9
-15°	44455.1	57118.5	63941.8	65619.8	63941.8	57118.5	44455.1	32030.9	22697.7	13988.1	7052.8
-17.5°	25523.1	31606.4	35087.2	36685.4	35087.2	31606.4	25523.1	18722.2	12689.7	7153.5	4559.3
-20°	13638.9	17071.3	19031.2	20473.7	19031.2	17071.3	13638.9	9164.0	6431.0	4192.9	3535.8



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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°	6264.5	7322.5	7920.3	8596.0	7920.3	7322.5	6264.5	4805.7	3794.8	3396.8	3148.2
-25°	3776.5	3918.8	4004.6	4073.9	4004.6	3918.8	3776.5	3558.6	3307.7	3135.8	2993.5
-27.5°	3419.7	3466.3	3493.2	3521.3	3493.2	3466.3	3419.7	3336.9	3240.4	3245.8	3268.5
-30°	3492.6	3445.4	3429.0	3411.1	3429.0	3445.4	3492.6	3532.8	3579.4	3666.9	3825.0
-32.5°	3974.6	3882.9	3833.7	3787.3	3833.7	3882.9	3974.6	4055.0	4134.9	4191.5	4240.8
-35°	4561.0	4519.7	4498.0	4470.7	4498.0	4519.7	4561.0	4571.8	4543.9	4512.7	4485.3
-37.5°	4882.4	4875.2	4874.0	4860.1	4874.0	4875.2	4882.4	4867.7	4780.3	4707.5	4560.6
-40°	4985.8	4982.9	4975.8	4968.9	4975.8	4982.9	4985.8	4969.2	4826.3	4670.0	4388.7
-42.5°	4952.5	4996.8	5018.1	5018.9	5018.1	4996.8	4952.5	4885.7	4634.6	4293.4	3781.8
-45°	4561.2	4787.2	4918.8	4954.2	4918.8	4787.2	4561.2	4257.3	3780.5	3234.1	2674.9
-47.5°	3146.2	3465.0	3710.7	3865.2	3710.7	3465.0	3146.2	2785.0	2379.3	1960.0	1563.5
-50°	1617.3	1658.8	1700.6	1741.5	1700.6	1658.8	1617.3	1572.9	1522.1	1459.2	1392.1
-52.5°	1485.6	1502.9	1513.7	1519.6	1513.7	1502.9	1485.6	1468.4	1446.9	1405.6	1361.6
-55°	1466.7	1482.7	1490.7	1493.2	1490.7	1482.7	1466.7	1450.1	1431.8	1387.1	1343.1
-57.5°	1407.1	1429.6	1442.9	1449.1	1442.9	1429.6	1407.1	1380.0	1348.4	1291.9	1232.2
-60°	1218.3	1238.3	1251.7	1259.5	1251.7	1238.3	1218.3	1193.3	1163.4	1116.0	1061.7
-62.5°	1009.0	1027.4	1037.8	1042.0	1037.8	1027.4	1009.0	985.6	957.4	916.9	868.7
-65°	786.8	802.8	819.0	831.8	819.0	802.8	786.8	766.4	741.9	708.9	669.1
-67.5°	569.9	582.8	597.0	608.4	597.0	582.8	569.9	553.7	534.6	510.4	480.5
-70°	372.5	379.6	391.2	401.2	391.2	379.6	372.5	362.7	350.2	333.6	312.3
-72.5°	208.4	212.9	221.5	229.3	221.5	212.9	208.4	202.3	194.8	185.6	174.5
-75°	102.5	104.7	105.5	105.8	105.5	104.7	102.5	99.9	96.7	92.9	88.3
-77.5°	57.3	58.5	58.7	58.8	58.7	58.5	57.3	56.0	54.7	53.2	51.5
-80°	41.9	42.4	43.3	44.1	43.3	42.4	41.9	41.2	40.5	39.7	38.5
-82.5°	31.7	32.2	32.3	32.3	32.3	32.2	31.7	31.2	30.6	30.0	29.3
-85°	23.0	23.5	23.5	23.5	23.5	23.5	23.0	22.6	22.2	21.7	21.6
-87.5°	18.7	19.1	19.1	19.1	19.1	19.1	18.7	18.3	17.9	17.6	17.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.5	15.1	14.7	14.3	14.0	13.6	13.2	12.9	12.5	12.2	11.8
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.1
82.5°	1.5	1.5	1.5	1.7	1.9	2.1	2.2	2.3	2.4	2.7	2.9
80°	2.1	2.3	2.4	2.7	2.9	3.2	3.3	3.2	3.0	2.9	3.0
77.5°	2.7	2.8	3.0	3.4	3.7	4.1	4.4	4.3	4.1	3.9	3.7
75°	4.0	4.2	4.4	4.6	4.6	4.4	4.5	4.8	4.9	4.9	4.7
72.5°	7.2	7.4	8.0	8.7	8.9	9.1	8.7	8.0	7.3	6.5	5.8
70°	10.3	10.9	12.5	14.7	16.2	16.8	16.7	15.3	12.6	10.8	9.1
67.5°	13.0	13.7	15.7	18.8	21.2	23.2	25.4	26.8	25.9	23.0	16.2
65°	13.7	15.4	17.1	18.6	21.0	24.7	31.4	34.9	36.2	35.3	27.8
62.5°	11.3	12.9	14.0	15.5	17.5	21.6	31.0	38.3	43.7	43.3	34.8
60°	9.4	10.3	11.1	12.1	13.4	18.0	26.9	37.0	48.5	45.2	38.2
57.5°	8.6	9.1	9.7	10.1	10.3	14.0	21.0	30.5	41.5	40.8	37.1
55°	8.7	9.3	9.9	10.2	10.4	12.3	15.3	21.3	29.8	32.0	30.5
52.5°	10.2	10.3	10.7	11.3	11.6	12.1	13.3	16.7	19.1	22.2	23.9
50°	11.7	11.6	11.6	11.7	12.2	12.6	13.1	14.3	15.9	16.9	17.6
47.5°	14.5	14.3	13.3	13.0	13.9	13.4	13.6	13.7	15.1	15.7	15.7
45°	24.7	23.6	18.1	18.5	18.6	18.1	16.0	17.2	16.3	16.2	16.2
42.5°	61.0	47.3	42.1	34.2	29.0	27.3	24.6	24.6	23.2	19.2	19.3
40°	92.6	75.7	65.1	59.3	49.5	41.5	42.2	35.0	32.9	28.6	27.4
37.5°	108.4	83.7	95.5	90.8	78.0	75.3	74.4	60.9	44.3	52.5	50.5
35°	161.8	152.8	162.8	156.2	128.3	151.0	136.5	105.9	87.2	92.1	84.5
32.5°	330.0	323.7	301.4	278.2	271.7	270.7	245.7	188.0	173.1	160.7	136.3
30°	620.2	574.7	519.5	488.6	478.0	438.6	392.4	401.5	329.7	250.1	205.3
27.5°	1070.0	905.9	825.7	859.7	753.1	665.4	707.3	746.5	556.9	406.4	303.8
25°	1649.7	1412.2	1398.7	1398.3	1235.7	1076.0	1144.0	1148.6	961.4	616.0	438.1
22.5°	2303.2	2067.5	1977.8	2076.2	1887.4	1744.2	1659.5	1598.1	1457.6	1001.1	679.8
20°	2853.8	2646.5	2493.9	2498.2	2526.4	2408.6	2237.1	2073.7	1882.7	1502.6	987.4
17.5°	3514.1	3137.8	2881.7	2825.5	2944.1	2954.4	2746.1	2492.3	2293.4	2020.5	1339.6
15°	4552.0	3610.8	3227.3	3101.6	3172.5	3233.6	3140.8	2879.0	2684.5	2458.6	1749.1
12.5°	7255.8	4056.8	3518.0	3219.3	3207.7	3368.0	3404.5	3239.3	2988.7	2669.2	2037.0
10°	9759.0	5100.4	3803.5	3396.1	3266.4	3406.6	3506.4	3316.8	3040.2	2775.7	2283.8
7.5°	15169.9	6754.8	4083.9	3541.6	3312.4	3351.9	3436.9	3261.2	3056.2	2849.0	2489.1
5°	18994.1	7971.3	4261.2	3637.2	3343.8	3335.3	3392.1	3164.3	3044.0	2895.6	2652.4
2.5°	21148.3	8594.0	4361.1	3703.5	3370.6	3355.6	3389.4	3103.8	3020.8	2881.3	2678.1
0°	20290.0	7984.6	4313.4	3716.7	3390.5	3403.7	3425.8	3090.7	2993.7	2849.6	2664.5
-2.5°	20792.4	8437.8	4366.2	3716.0	3407.0	3414.6	3595.0	3235.5	3074.5	2881.1	2638.1
-5°	18203.1	7598.4	4184.3	3577.4	3317.9	3350.5	3554.5	3278.3	3080.8	2877.2	2570.4
-7.5°	14116.7	6377.6	3934.0	3406.1	3199.7	3257.6	3393.9	3191.0	2946.7	2756.1	2408.8
-10°	8999.3	4873.9	3631.9	3230.7	3087.8	3173.4	3263.3	3062.3	2805.4	2631.0	2222.2
-12.5°	6296.9	3869.0	3318.1	3037.8	2997.9	3152.1	3194.7	2920.0	2658.4	2505.1	2017.7
-15°	4148.2	3442.0	3116.4	2959.8	2969.3	3113.8	3146.0	2900.3	2685.3	2436.2	1801.5
-17.5°	3527.9	3139.0	2950.2	2930.7	3013.7	3090.3	3102.1	2955.4	2743.3	2392.8	1608.5
-20°	3180.4	2978.4	2954.0	2984.9	3071.6	3130.1	3123.3	3028.6	2769.6	2172.1	1393.3



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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°	2993.0	3033.0	3089.8	3127.0	3120.8	3136.5	3116.6	3030.8	2766.3	1865.4	1149.4
-25°	3116.4	3258.4	3393.9	3409.5	3260.0	3143.4	3115.9	2950.5	2372.7	1535.8	917.4
-27.5°	3475.1	3673.7	3822.3	3759.1	3538.8	3248.2	3069.8	2785.9	1901.2	1220.5	896.6
-30°	3972.2	4064.1	4139.1	4094.8	3780.7	3438.0	3054.6	2231.3	1495.0	963.0	873.7
-32.5°	4310.7	4290.0	4293.3	4223.3	3940.8	3521.7	2593.6	1690.1	1092.1	934.7	868.9
-35°	4450.5	4314.7	4213.2	4099.4	3969.1	2943.0	1969.1	1258.3	987.2	911.1	867.8
-37.5°	4384.1	4143.5	3966.9	3730.6	2986.8	2134.2	1375.1	1064.5	961.3	906.8	863.3
-40°	4088.0	3828.8	3257.5	2638.1	2009.4	1348.9	1139.1	1039.5	971.4	900.6	856.9
-42.5°	3301.5	2771.7	2232.5	1708.2	1269.8	1190.4	1115.7	1049.6	981.5	910.5	819.7
-45°	2221.8	1777.9	1366.4	1284.3	1207.3	1160.9	1123.2	1060.9	992.7	884.4	775.0
-47.5°	1435.2	1356.4	1279.6	1230.6	1193.4	1156.7	1122.3	1069.7	947.9	834.9	726.5
-50°	1335.8	1296.0	1258.0	1222.4	1187.6	1153.4	1083.4	993.9	879.1	769.7	667.7
-52.5°	1314.7	1279.3	1246.0	1213.3	1147.0	1067.7	985.3	895.8	795.5	692.7	597.2
-55°	1300.1	1240.0	1175.2	1107.9	1036.6	956.4	874.3	788.0	697.5	604.4	516.3
-57.5°	1172.4	1110.0	1042.9	975.8	909.2	829.6	746.8	666.5	591.1	508.9	430.9
-60°	1005.0	947.0	884.9	819.6	751.5	680.2	611.0	543.7	478.6	418.5	358.2
-62.5°	817.7	764.2	708.8	651.5	592.3	532.1	477.7	430.1	382.8	332.9	276.9
-65°	626.6	581.6	534.0	490.4	447.8	406.3	365.7	324.1	281.3	237.4	190.6
-67.5°	448.4	414.2	380.6	348.7	317.1	283.6	248.4	212.3	182.4	154.3	123.0
-70°	289.5	265.4	240.9	215.3	192.5	171.2	149.3	126.7	103.1	87.8	75.3
-72.5°	162.1	148.4	133.5	117.3	99.9	89.3	81.4	73.1	63.8	53.4	45.6
-75°	83.3	77.9	72.1	66.2	60.0	53.5	49.5	46.3	43.3	40.4	37.7
-77.5°	49.7	47.8	45.8	44.0	42.1	40.0	37.8	35.9	34.3	32.7	31.0
-80°	37.3	36.1	34.8	33.8	32.6	31.5	30.2	29.0	27.6	26.3	25.1
-82.5°	28.6	28.0	27.3	26.3	25.3	24.2	23.1	22.3	21.5	20.7	20.0
-85°	21.4	21.2	20.9	20.0	19.2	18.3	17.5	17.3	17.0	16.8	16.5
-87.5°	16.8	16.4	16.1	15.7	15.2	14.8	14.4	14.3	14.2	14.0	13.8
-90°	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.5	1.5	1.5	1.5





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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°	11.4	11.1	10.7	10.3	10.3	10.3	10.3	10.3	9.6	8.8	8.1
87.5°	1.7	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.2
85°	2.2	2.4	2.6	2.9	2.9	2.9	2.9	2.9	3.2	3.4	3.6
82.5°	2.9	2.9	2.8	2.9	3.1	3.3	3.3	3.3	3.5	3.7	3.9
80°	3.2	3.4	3.4	3.4	3.5	3.7	3.9	4.0	4.1	4.2	4.4
77.5°	3.7	3.9	4.1	4.2	4.1	4.1	4.2	4.5	4.7	4.8	4.8
75°	4.4	4.3	4.3	4.5	4.5	4.4	4.3	4.5	4.9	5.2	5.3
72.5°	5.4	5.1	4.7	4.6	4.8	4.8	4.6	4.6	4.9	5.3	5.6
70°	7.5	6.2	5.6	5.3	5.2	5.3	5.3	5.1	5.0	5.3	5.7
67.5°	10.3	8.5	7.1	6.1	5.7	5.6	5.8	5.7	5.5	5.4	5.7
65°	19.8	13.3	8.7	7.4	6.4	5.9	5.9	6.2	6.1	5.9	5.8
62.5°	27.2	20.2	13.9	9.5	7.4	6.5	6.0	6.4	6.6	6.4	6.1
60°	32.1	24.4	18.8	13.6	9.5	7.2	6.6	6.7	7.0	6.9	6.5
57.5°	30.8	26.7	22.5	17.3	12.3	8.6	7.3	7.3	7.3	7.3	6.9
55°	27.0	23.6	24.6	20.9	15.2	10.5	8.5	8.0	7.8	7.7	7.3
52.5°	22.2	22.2	24.2	23.4	18.6	12.6	10.2	8.7	8.4	8.2	7.8
50°	17.9	21.1	24.1	24.8	21.7	16.3	11.9	10.0	9.1	8.8	8.3
47.5°	16.2	20.1	23.2	26.2	24.3	19.7	14.6	11.4	9.7	9.3	8.8
45°	18.1	19.6	22.6	25.5	27.2	22.4	17.5	12.6	10.8	9.9	9.4
42.5°	21.7	22.0	22.9	24.8	27.0	24.7	20.3	14.9	11.8	10.4	9.9
40°	27.3	26.6	24.6	26.7	27.0	26.6	22.1	17.2	12.7	11.1	10.3
37.5°	34.5	33.0	29.8	31.7	29.0	27.3	23.7	19.4	14.1	12.0	10.8
35°	62.4	41.3	46.6	44.0	36.0	28.6	24.9	21.1	16.2	12.9	11.2
32.5°	98.1	77.7	82.1	64.7	45.5	30.6	26.3	22.9	18.2	13.9	11.7
30°	164.8	163.2	136.1	91.0	60.4	39.4	29.0	25.0	20.1	14.9	12.2
27.5°	277.7	267.1	210.6	141.0	85.7	51.1	33.5	27.4	22.0	16.1	13.0
25°	393.6	375.1	311.4	208.9	114.7	79.5	38.7	30.2	23.9	17.6	13.8
22.5°	518.1	479.4	424.5	288.0	163.9	117.3	53.1	34.4	26.0	19.0	14.5
20°	640.7	582.6	538.7	356.0	224.9	161.1	80.3	38.9	28.2	20.4	15.3
17.5°	788.1	665.1	583.9	423.1	286.0	205.3	112.4	43.7	30.5	21.6	16.0
15°	1019.0	719.9	623.8	482.1	338.9	249.6	148.3	48.7	32.8	22.7	16.6
12.5°	1229.1	770.9	663.3	533.5	384.5	293.4	186.7	53.8	35.1	23.8	17.2
10°	1425.9	817.8	701.6	577.4	423.5	336.5	226.3	58.9	37.3	24.8	17.7
7.5°	1604.2	860.5	738.1	614.4	453.5	364.0	250.8	63.8	39.3	25.7	18.1
5°	1738.5	891.9	765.4	630.9	461.1	373.4	269.2	68.4	41.1	26.6	18.5
2.5°	1751.3	907.7	785.9	640.0	466.2	379.8	283.2	72.7	42.7	27.3	18.8
0°	1725.4	918.5	802.4	643.7	468.8	383.6	292.5	76.4	44.1	27.9	19.1
-2.5°	1700.8	918.9	803.9	655.1	490.0	394.8	302.8	98.3	58.2	35.8	22.8
-5°	1645.4	915.2	801.2	662.1	508.0	403.7	309.0	119.0	71.7	43.4	26.3
-7.5°	1551.3	897.6	789.7	664.1	522.0	410.6	311.9	138.3	84.3	50.5	29.5
-10°	1426.0	870.2	767.4	653.7	528.5	419.5	313.0	155.6	95.7	56.8	32.4
-12.5°	1272.8	839.8	744.7	643.4	532.7	430.0	315.9	170.2	105.6	62.2	34.9
-15°	1092.9	806.8	722.7	634.5	535.6	438.5	315.9	182.1	114.5	67.4	36.9
-17.5°	893.9	771.5	702.4	628.2	537.8	445.0	313.3	191.3	121.8	72.5	39.2
-20°	852.4	755.1	685.4	625.7	539.7	449.5	308.2	197.6	127.3	76.2	41.4



REPORT NUMBER: P701483 (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°	838.7	756.8	690.9	623.7	541.5	452.1	301.0	200.8	130.9	78.5	42.7
-25°	822.6	760.2	699.1	623.4	541.2	439.4	297.6	200.6	132.3	79.2	43.0
-27.5°	819.6	765.6	706.6	617.3	531.9	424.8	296.3	201.6	132.2	78.2	42.2
-30°	825.0	771.8	699.2	605.0	518.4	400.8	290.5	200.0	130.9	76.8	40.2
-32.5°	826.9	777.6	681.3	587.1	492.8	375.8	277.2	195.4	127.3	74.6	39.1
-35°	823.8	757.6	656.4	564.2	462.5	355.9	261.5	188.0	121.3	70.6	37.9
-37.5°	816.7	721.8	626.7	534.1	431.6	332.9	247.4	176.0	112.9	64.9	36.0
-40°	776.0	684.0	592.4	499.9	402.3	307.1	230.6	162.1	104.2	57.4	33.3
-42.5°	733.1	643.0	553.2	464.6	370.9	285.4	211.2	145.6	92.8	51.9	29.8
-45°	684.9	597.5	509.8	422.8	337.6	260.7	189.9	127.1	79.6	47.0	27.0
-47.5°	632.1	546.3	460.4	376.6	306.2	233.1	165.5	110.3	65.0	41.0	25.9
-50°	572.7	488.6	405.0	333.7	269.1	202.3	139.9	91.6	56.8	34.0	24.5
-52.5°	507.0	422.7	353.0	290.9	228.4	168.2	116.4	72.2	47.7	30.4	23.0
-55°	431.9	363.3	304.1	243.2	184.5	136.6	90.8	60.6	37.7	28.3	21.4
-57.5°	367.1	308.0	248.3	191.0	144.3	103.9	71.6	47.9	33.3	26.1	20.3
-60°	300.4	242.0	187.1	144.7	106.4	77.1	55.9	37.8	30.4	23.9	19.1
-62.5°	223.0	174.4	136.9	101.3	76.5	57.7	41.5	34.2	27.3	22.4	17.9
-65°	154.5	120.2	89.3	71.7	54.5	41.6	36.8	30.3	25.3	21.0	16.8
-67.5°	93.1	77.9	62.5	47.1	40.6	36.4	31.9	27.8	23.6	19.4	16.1
-70°	62.2	48.8	42.3	38.9	35.2	31.5	28.9	25.7	21.8	18.3	15.3
-72.5°	42.4	39.3	36.3	33.2	30.6	28.2	26.2	23.7	20.2	17.2	14.5
-75°	35.1	32.9	30.7	28.5	26.5	24.8	23.5	21.6	18.6	15.9	13.4
-77.5°	29.2	27.4	25.5	24.1	23.1	22.0	20.8	19.4	16.9	14.6	12.2
-80°	23.9	22.8	21.8	20.8	19.9	19.1	18.4	17.5	15.3	13.2	11.0
-82.5°	19.3	18.8	18.3	17.9	17.4	16.9	16.4	15.8	13.8	11.8	10.0
-85°	16.2	16.0	15.7	15.3	15.0	14.7	14.4	14.0	12.3	10.8	9.4
-87.5°	13.6	13.4	13.1	12.8	12.7	12.5	12.3	12.2	10.9	9.8	8.7
-90°	1.5	1.5	1.5	1.5	1.9	2.2	2.6	2.9	2.9	2.9	2.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.3	6.6	5.9	5.1	4.4	4.4	4.4
87.5°	3.3	3.5	3.8	4.1	4.4	4.4	4.4
85°	3.7	3.8	3.9	4.1	4.4	4.5	4.4
82.5°	4.1	4.0	4.0	4.2	4.4	4.5	4.4
80°	4.4	4.2	4.2	4.2	4.4	4.5	4.4
77.5°	4.8	4.5	4.3	4.3	4.4	4.6	4.4
75°	5.2	4.8	4.4	4.3	4.4	4.6	4.4
72.5°	5.6	5.1	4.7	4.4	4.4	4.6	4.4
70°	5.9	5.4	4.9	4.4	4.5	4.7	4.4
67.5°	5.9	5.8	5.2	4.6	4.5	4.7	4.4
65°	6.0	6.0	5.4	4.8	4.5	4.7	4.4
62.5°	6.1	6.1	5.7	5.0	4.6	4.8	4.4
60°	6.2	6.2	5.9	5.1	4.6	4.8	4.4
57.5°	6.5	6.3	6.0	5.3	4.7	4.9	4.4
55°	6.9	6.5	6.2	5.5	4.9	4.9	4.4
52.5°	7.2	6.6	6.3	5.6	5.0	5.0	4.4
50°	7.6	6.9	6.5	5.8	5.2	5.0	4.4
47.5°	7.9	7.2	6.6	5.9	5.3	5.0	4.4
45°	8.4	7.5	6.8	6.1	5.4	5.1	4.4
42.5°	8.9	7.8	7.0	6.2	5.6	5.1	4.4
40°	9.4	8.1	7.2	6.4	5.7	5.2	4.4
37.5°	9.9	8.3	7.4	6.5	5.8	5.2	4.4
35°	10.4	8.7	7.6	6.7	6.0	5.3	4.4
32.5°	10.9	9.1	7.8	6.9	6.1	5.3	4.4
30°	11.3	9.5	8.0	7.1	6.2	5.4	4.4
27.5°	11.6	9.9	8.2	7.3	6.3	5.4	4.4
25°	12.0	10.3	8.5	7.4	6.4	5.5	4.4
22.5°	12.3	10.7	8.7	7.6	6.5	5.5	4.4
20°	12.6	10.9	8.9	7.8	6.6	5.6	4.4
17.5°	12.9	11.2	9.1	7.9	6.7	5.6	4.4
15°	13.2	11.4	9.3	8.1	6.8	5.7	4.4
12.5°	13.4	11.5	9.5	8.2	6.9	5.7	4.4
10°	13.7	11.6	9.7	8.3	7.0	5.7	4.4
7.5°	14.0	11.7	9.9	8.5	7.1	5.8	4.4
5°	14.2	11.8	10.0	8.6	7.2	5.8	4.4
2.5°	14.5	11.8	10.2	8.7	7.2	5.9	4.4
0°	14.7	11.8	10.3	8.8	7.3	5.9	4.4
-2.5°	16.1	12.4	10.5	8.9	7.4	5.9	4.4
-5°	17.4	13.0	10.8	9.0	7.4	6.0	4.4
-7.5°	18.6	13.6	11.0	9.1	7.5	6.0	4.4
-10°	19.7	14.1	11.2	9.1	7.5	6.0	4.4
-12.5°	20.7	14.6	11.4	9.2	7.6	6.0	4.4
-15°	21.5	15.0	11.5	9.2	7.6	6.0	4.4
-17.5°	22.2	15.4	11.6	9.3	7.6	6.0	4.4
-20°	22.9	15.6	11.7	9.3	7.6	6.0	4.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.7	15.8	11.7	9.3	7.7	6.0	4.4
-25°	24.1	15.9	11.8	9.3	7.7	6.0	4.4
-27.5°	24.0	16.0	11.7	9.3	7.7	6.0	4.4
-30°	23.5	16.0	11.7	9.3	7.7	6.0	4.4
-32.5°	22.5	15.9	11.7	9.3	7.7	6.0	4.4
-35°	21.9	15.6	11.6	9.3	7.6	6.0	4.4
-37.5°	21.6	15.4	11.5	9.2	7.6	5.9	4.4
-40°	21.2	15.2	11.4	9.2	7.6	5.9	4.4
-42.5°	20.5	15.0	11.3	9.2	7.5	5.9	4.4
-45°	19.8	14.7	11.2	9.1	7.5	5.8	4.4
-47.5°	18.8	14.3	11.2	9.1	7.4	5.8	4.4
-50°	18.2	13.9	11.1	9.0	7.4	5.7	4.4
-52.5°	17.5	13.4	10.9	8.9	7.3	5.7	4.4
-55°	16.7	13.1	10.8	8.8	7.3	5.6	4.4
-57.5°	15.9	12.8	10.6	8.6	7.2	5.5	4.4
-60°	15.0	12.5	10.4	8.5	7.1	5.5	4.4
-62.5°	14.5	12.2	10.1	8.3	6.9	5.4	4.4
-65°	14.0	11.8	9.7	8.1	6.7	5.3	4.4
-67.5°	13.5	11.4	9.4	7.9	6.5	5.2	4.4
-70°	12.9	10.7	9.0	7.7	6.3	5.1	4.4
-72.5°	12.0	10.1	8.5	7.4	6.1	5.1	4.4
-75°	11.0	9.4	8.1	7.1	5.9	5.0	4.4
-77.5°	10.0	8.6	7.7	6.7	5.6	4.9	4.4
-80°	8.9	8.1	7.3	6.4	5.4	4.8	4.4
-82.5°	8.4	7.8	7.0	6.1	5.2	4.7	4.4
-85°	8.1	7.4	6.6	5.8	4.9	4.6	4.4
-87.5°	7.7	7.0	6.2	5.5	4.7	4.5	4.4
-90°	2.9	3.3	3.7	4.0	4.4	4.4	4.4

(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

