

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: P701703 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-2S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701703 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-2S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

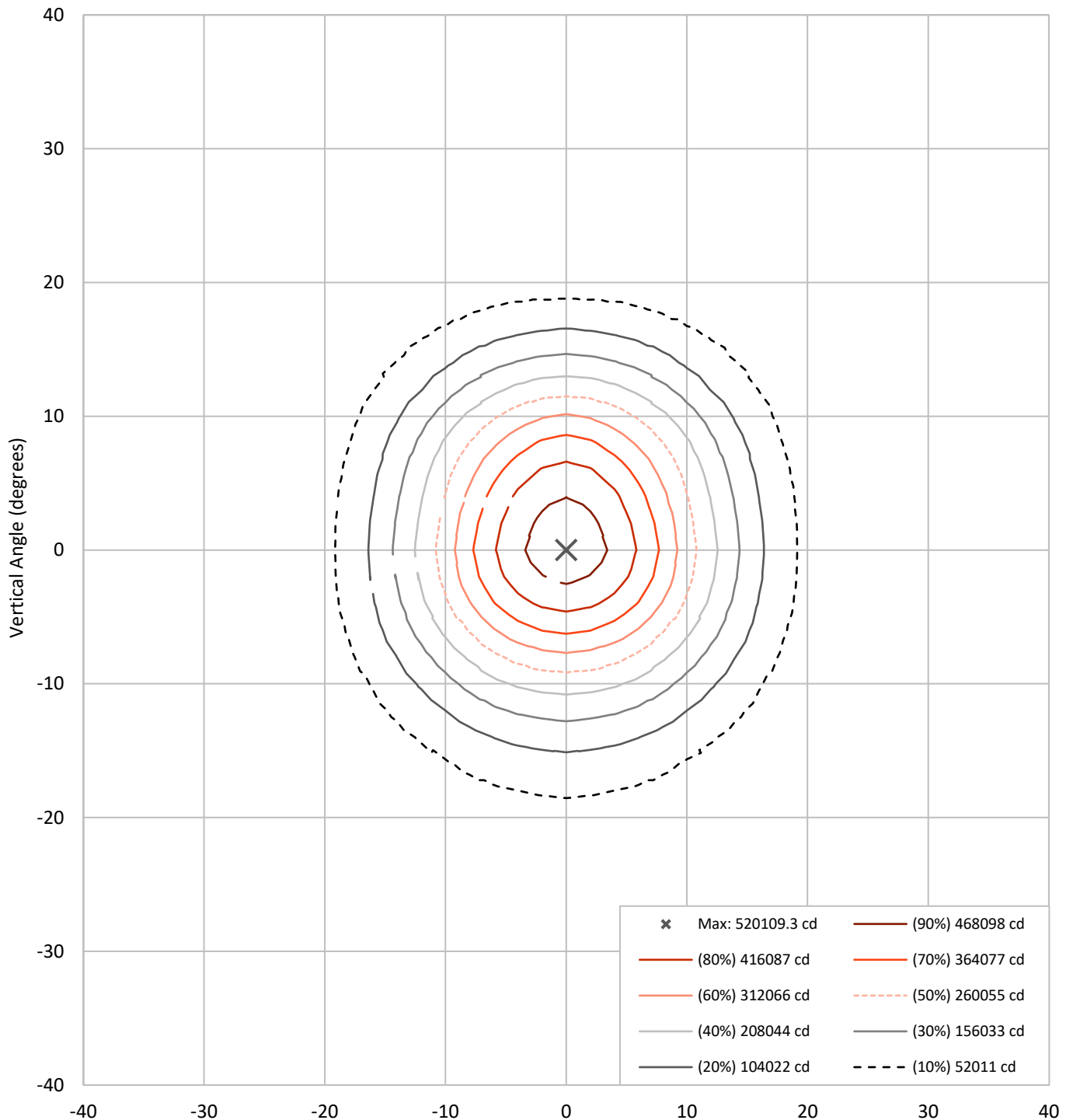
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	84102.2 lumens	Max Intensity:	520109.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	39053.3 lumens	Field Lumens:	71098.1 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 703.6  
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





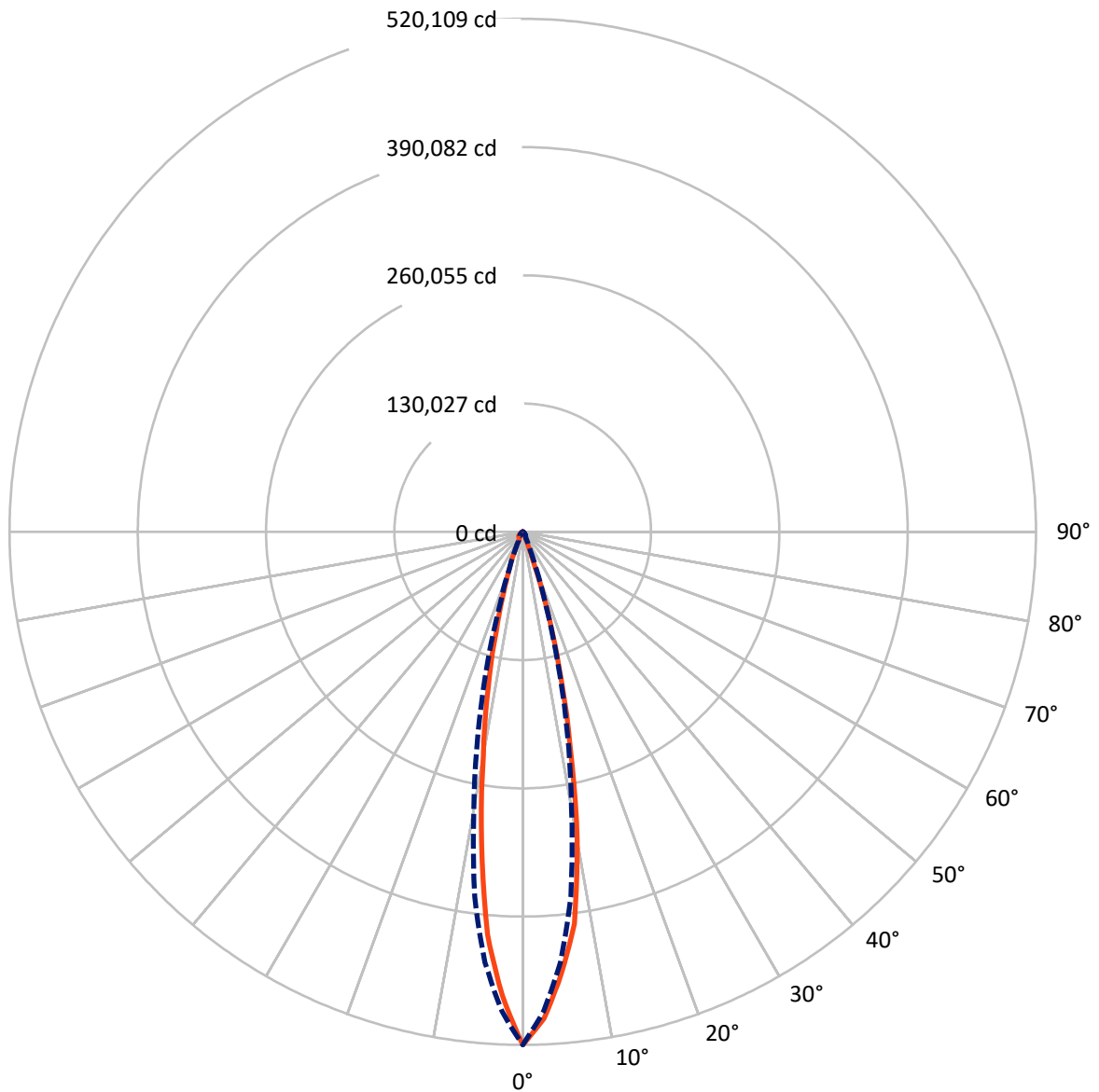
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### Lumen Table

90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1				
80	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1				
70	0.1	0.1	0.2	0.7	0.8	0.5	0.3	0.2	0.2	0.3	0.5	0.8	0.7	0.2	0.1	0.1			
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1				
50	0.2	0.2	0.5	0.5	0.7	1.1	1.9	1.2	1.2	1.9	1.1	0.7	0.5	0.5	0.2	0.2			
40		0.3	1.1	2.9	5.6	8.1	11.2	13.5	13.5	11.2	8.1	5.6	2.9	1.1	0.3				
30	0.3	0.6	5.4	17.0	40.2	61.1	105.7	200.3	200.3	105.7	61.1	40.2	17.0	5.4	0.6	0.3			
20		1.5	11.3	45.0	103.0	192.6	1258.3	3899.1	3899.1	1258.3	192.6	103.0	45.0	11.3	1.5				
10	0.4	2.4	14.6	60.4	122.4	385.9	3698.3	11083.8	11083.8	3698.3	385.9	122.4	60.4	14.6	2.4	0.4			
0		3.1	15.7	60.5	122.1	367.9	3478.3	10080.5	10080.5	3478.3	367.9	122.1	60.5	15.7	3.1				
-10	0.7	3.6	15.0	48.4	103.2	178.9	1023.2	2962.8	2962.8	1023.2	178.9	103.2	48.4	15.0	3.6	0.7			
-20		3.7	14.1	34.4	92.5	138.1	209.8	405.6	405.6	209.8	138.1	92.5	34.4	14.1	3.7				
-30	0.6	3.2	12.2	25.8	64.5	134.1	174.2	194.7	194.7	174.2	134.1	64.5	25.8	12.2	3.2	0.6			
-40		2.3	9.1	21.2	38.1	64.6	110.5	147.2	147.2	110.5	64.6	38.1	21.2	9.1	2.3				
-50	0.4	1.1	5.4	14.0	27.2	41.1	53.6	60.6	60.6	53.6	41.1	27.2	14.0	5.4	1.1	0.4			
-60		0.5	1.8	5.7	12.0	19.2	26.3	30.5	30.5	26.3	19.2	12.0	5.7	1.8	0.5				
-70	0.3	0.3	1.4	4.1	9.4	12.7	9.4	4.1	1.4	0.3	0.3	1.4	4.1	9.4	12.7	9.4	4.1	1.4	0.3
-80		0.3	1.4	4.1	9.4	12.7	9.4	4.1	1.4	0.3	0.3	1.4	4.1	9.4	12.7	9.4	4.1	1.4	0.3
-90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1				

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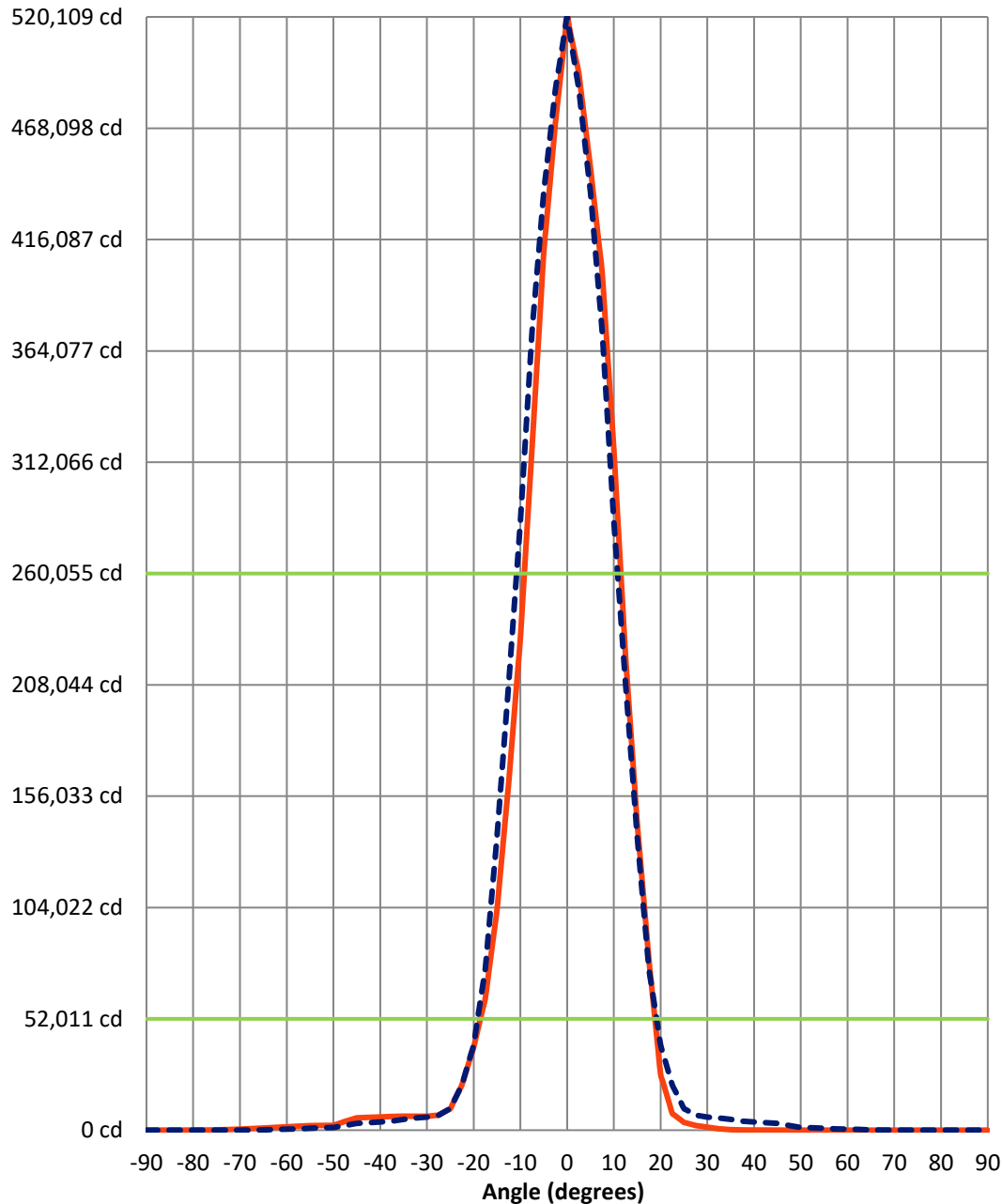
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.6°  
 V Angle: 20.7°  
 Lumens: 39053.3  
 Efficiency: 46.4%

**Field:**  
 H Angle: 38.3°  
 V Angle: 37.3°  
 Lumens: 71098.1  
 Efficiency: 84.5%

**Spill:**  
 Lumens: 13004.1  
 Efficiency: 15.5%

— 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°	6.2	7.2	8.2	8.7	9.3	9.8	10.3	10.8	11.4	11.9	12.4
87.5°	6.2	6.2	6.2	5.7	5.3	5.0	4.6	4.6	4.5	4.3	4.1
85°	6.2	6.3	6.2	5.8	5.5	5.3	5.2	5.1	4.8	4.5	4.1
82.5°	6.2	6.3	6.2	5.9	5.7	5.7	5.7	5.5	5.2	4.9	4.7
80°	6.2	6.4	6.2	6.0	5.9	6.0	6.2	5.8	5.6	5.5	5.6
77.5°	6.2	6.4	6.2	6.0	6.1	6.2	6.2	6.0	5.9	6.1	6.2
75°	6.2	6.5	6.2	6.1	6.2	6.4	6.3	6.1	6.2	6.2	6.2
72.5°	6.2	6.5	6.3	6.2	6.4	6.5	6.3	6.2	6.2	6.2	6.2
70°	6.2	6.6	6.3	6.2	6.6	6.7	6.4	6.2	6.2	6.2	6.3
67.5°	6.2	6.6	6.3	6.4	6.8	6.8	6.4	6.2	6.2	6.5	6.4
65°	6.2	6.7	6.4	6.6	7.0	6.9	6.5	6.2	6.6	6.8	6.6
62.5°	6.2	6.7	6.4	6.8	7.2	7.0	6.5	6.6	7.1	7.2	6.7
60°	6.2	6.8	6.5	7.0	7.5	7.0	6.6	7.1	7.6	7.3	6.8
57.5°	6.2	6.8	6.6	7.3	7.5	7.1	7.1	7.7	7.8	7.3	7.4
55°	6.2	6.9	6.8	7.5	7.6	7.1	7.6	8.3	7.9	7.6	8.3
52.5°	6.2	6.9	7.0	7.7	7.6	7.3	8.1	8.4	8.0	8.4	9.1
50°	6.2	7.0	7.1	7.9	7.7	7.7	8.6	8.5	8.3	9.1	11.2
47.5°	6.2	7.1	7.2	8.1	7.7	8.1	9.0	8.6	8.9	9.9	13.1
45°	6.2	7.1	7.4	8.1	7.8	8.5	9.1	8.7	9.6	11.3	14.8
42.5°	6.2	7.2	7.5	8.2	7.8	8.9	9.2	9.2	10.4	12.6	17.1
40°	6.2	7.2	7.6	8.2	8.0	9.3	9.3	9.9	11.4	13.7	19.4
37.5°	6.2	7.3	7.7	8.3	8.3	9.6	9.4	10.6	12.5	15.3	21.5
35°	6.2	7.4	7.8	8.3	8.6	9.8	9.5	11.3	13.7	17.8	23.3
32.5°	6.2	7.4	7.9	8.4	8.9	9.9	9.8	12.1	14.8	20.4	25.8
30°	6.2	7.5	7.9	8.5	9.2	10.0	10.4	12.9	15.9	22.9	28.5
27.5°	6.2	7.6	8.0	8.6	9.4	10.1	11.0	13.8	17.3	25.5	31.4
25°	6.2	7.6	8.0	8.7	9.6	10.2	11.6	14.7	19.4	27.9	34.5
22.5°	6.2	7.7	8.1	8.9	9.8	10.3	12.2	15.5	21.4	30.4	40.1
20°	6.2	7.8	8.1	9.0	9.9	10.5	12.8	16.2	23.4	32.9	46.5
17.5°	6.2	7.8	8.1	9.2	10.1	10.7	13.4	17.0	25.3	35.4	53.4
15°	6.2	7.9	8.2	9.3	10.1	10.9	14.0	17.6	27.1	37.8	60.7
12.5°	6.2	7.9	8.2	9.5	10.2	11.1	14.5	18.3	28.7	40.3	68.2
10°	6.2	8.0	8.2	9.7	10.3	11.4	15.0	18.8	29.9	43.4	75.8
7.5°	6.2	8.1	8.2	9.8	10.3	11.6	15.4	19.4	31.0	46.6	83.5
5°	6.2	8.1	8.2	10.0	10.3	11.9	15.8	19.8	31.8	49.8	90.7
2.5°	6.2	8.2	8.2	10.2	10.3	12.2	16.2	20.2	32.5	52.8	97.3
0°	6.2	8.2	8.2	10.3	10.3	12.4	16.5	20.6	33.0	55.6	103.0
-2.5°	6.2	8.2	8.3	10.4	10.7	13.1	18.1	25.4	43.0	73.2	128.4
-5°	6.2	8.3	8.4	10.6	11.0	13.7	19.7	30.1	52.5	90.1	152.4
-7.5°	6.2	8.3	8.5	10.7	11.4	14.3	21.1	34.4	61.4	105.8	174.6
-10°	6.2	8.4	8.6	10.8	11.7	14.9	22.4	38.2	69.4	119.9	194.6
-12.5°	6.2	8.4	8.7	10.8	12.0	15.4	23.5	41.5	76.2	132.0	211.6
-15°	6.2	8.4	8.7	10.9	12.3	15.8	24.4	44.2	82.9	142.4	225.5
-17.5°	6.2	8.4	8.8	11.0	12.6	16.2	25.0	47.2	89.6	151.0	236.0
-20°	6.2	8.4	8.9	11.0	12.8	16.5	25.8	50.2	94.6	157.8	242.8



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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°	6.2	8.4	9.0	11.0	13.0	16.8	26.8	52.0	97.8	162.6	245.6
-25°	6.2	8.5	9.1	11.0	13.2	17.0	27.2	52.5	99.0	165.3	244.3
-27.5°	6.2	8.5	9.2	11.0	13.3	17.2	27.0	51.5	98.2	166.2	246.2
-30°	6.2	8.5	9.3	11.0	13.4	17.3	26.2	49.1	96.6	165.0	245.6
-32.5°	6.2	8.4	9.3	11.0	13.5	17.3	24.6	47.6	93.8	160.9	242.3
-35°	6.2	8.4	9.4	11.0	13.6	17.2	24.0	45.8	88.8	153.8	236.2
-37.5°	6.2	8.4	9.5	10.9	13.7	17.1	23.8	43.0	81.6	143.6	221.6
-40°	6.2	8.4	9.6	10.9	13.7	17.1	23.4	39.1	72.2	132.7	203.6
-42.5°	6.2	8.4	9.6	10.8	13.7	17.1	22.8	34.0	64.7	117.6	182.6
-45°	6.2	8.3	9.7	10.8	13.7	17.1	22.0	30.2	57.7	100.3	159.4
-47.5°	6.2	8.3	9.8	10.7	13.6	17.0	21.0	29.0	49.2	81.2	137.6
-50°	6.2	8.3	9.8	10.7	13.5	16.8	20.6	27.5	39.1	69.5	113.5
-52.5°	6.2	8.2	9.9	10.8	13.3	16.6	20.3	25.8	34.3	56.8	88.6
-55°	6.2	8.2	9.9	10.9	13.1	16.3	19.9	24.1	31.8	43.0	72.7
-57.5°	6.2	8.1	10.0	10.9	12.8	15.9	19.5	23.4	29.0	37.2	55.6
-60°	6.2	8.1	10.0	10.9	12.6	15.5	18.9	22.7	26.5	33.7	42.1
-62.5°	6.2	8.0	9.9	10.9	12.5	15.1	18.3	21.8	25.4	29.9	37.6
-65°	6.2	8.0	9.8	10.9	12.3	14.6	17.6	20.8	24.2	27.9	32.8
-67.5°	6.2	7.9	9.6	10.8	12.1	14.1	16.9	19.8	22.9	26.3	30.0
-70°	6.2	7.8	9.5	10.8	11.9	13.7	16.1	18.7	21.5	24.5	27.9
-72.5°	6.2	7.8	9.4	10.5	11.6	13.2	15.3	17.5	20.0	22.7	25.7
-75°	6.2	7.7	9.2	10.3	11.3	12.6	14.4	16.4	18.4	20.8	23.4
-77.5°	6.2	7.6	9.1	10.0	11.0	12.0	13.5	15.3	17.1	19.0	21.0
-80°	6.2	7.5	8.9	9.8	10.7	11.5	12.5	14.1	15.8	17.5	19.2
-82.5°	6.2	7.5	8.7	9.5	10.3	11.1	11.9	13.1	14.5	16.0	17.5
-85°	6.2	7.4	8.6	9.3	10.0	10.7	11.4	12.4	13.4	14.6	15.8
-87.5°	6.2	7.3	8.4	9.0	9.6	10.2	10.8	11.6	12.4	13.2	14.1
-90°	6.2	6.2	6.2	5.7	5.2	4.6	4.1	4.1	4.1	4.1	4.1





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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°	12.4	12.4	12.4	12.4	12.9	13.4	13.9	14.4	14.9	15.5	16.0
87.5°	3.8	3.6	3.4	3.2	3.0	2.7	2.4	2.1	2.1	2.1	2.1
85°	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1	2.1
82.5°	4.7	4.6	4.4	4.1	3.6	3.1	2.7	2.4	2.4	2.4	2.3
80°	5.5	5.2	4.7	4.2	3.9	3.7	3.7	3.8	3.6	3.3	3.0
77.5°	5.8	5.3	4.8	4.2	4.2	4.5	4.9	5.2	5.1	4.9	4.7
75°	5.8	5.3	5.1	5.1	5.4	5.8	6.2	6.2	6.0	5.8	5.8
72.5°	6.0	5.8	5.8	6.2	6.2	6.2	6.2	6.2	7.9	10.2	11.7
70°	6.1	6.2	6.2	6.2	6.2	6.8	9.6	13.7	18.0	20.2	22.3
67.5°	6.2	6.2	6.2	6.5	7.9	11.0	15.6	24.5	34.0	36.3	36.0
65°	6.2	6.2	7.0	8.4	10.1	17.7	27.4	38.5	46.8	45.5	42.6
62.5°	6.2	7.0	8.4	11.4	17.5	26.6	35.4	43.4	51.3	49.9	43.0
60°	7.0	8.0	11.5	17.6	24.3	30.9	39.2	44.4	49.5	50.8	38.8
57.5°	8.0	10.5	16.2	22.5	28.3	33.1	36.2	40.7	42.5	41.3	30.3
55°	9.7	13.9	20.1	26.1	30.2	28.9	30.9	32.3	31.7	29.3	21.5
52.5°	12.6	17.1	23.2	28.3	28.8	26.1	24.3	24.6	22.7	19.3	16.7
50°	15.2	20.4	25.9	28.8	27.5	23.4	19.5	18.8	17.5	15.9	14.4
47.5°	17.9	23.5	27.9	29.4	25.5	21.8	18.0	16.7	15.8	16.2	15.3
45°	20.6	25.9	30.3	27.8	24.4	21.4	19.8	16.4	18.5	19.8	20.5
42.5°	23.3	28.0	29.9	26.6	24.7	24.6	24.3	23.5	24.6	29.7	32.6
40°	25.2	29.9	29.8	29.2	27.0	31.0	34.8	37.9	38.1	44.7	50.0
37.5°	26.9	30.7	32.5	36.6	34.7	42.1	48.5	74.2	75.3	62.3	84.4
35°	28.5	32.3	42.7	54.4	59.0	57.4	93.7	127.6	136.0	122.3	145.1
32.5°	30.2	34.7	56.6	83.9	108.8	110.5	152.1	206.0	234.4	243.9	256.5
30°	33.5	47.5	78.0	121.2	180.9	229.7	249.6	307.6	359.8	464.6	537.8
27.5°	39.4	64.4	113.8	187.8	279.4	371.6	403.2	443.6	580.7	766.2	949.7
25°	46.7	99.9	154.6	276.0	416.0	518.4	558.7	613.0	872.0	1230.6	1441.4
22.5°	65.3	145.7	216.3	377.6	567.5	661.4	714.0	909.1	1305.4	1781.6	1995.3
20°	98.7	200.2	291.4	462.5	719.7	803.3	862.3	1268.3	1845.1	2297.6	2632.7
17.5°	137.4	254.8	366.1	552.0	785.6	911.4	1034.7	1664.8	2410.7	2808.5	3203.2
15°	179.9	309.2	430.8	631.6	845.2	976.2	1299.8	2113.5	2922.0	3310.1	3703.9
12.5°	225.0	362.7	486.3	701.6	904.1	1036.7	1540.6	2433.5	3195.2	3705.8	4178.3
10°	271.1	415.0	533.7	761.9	961.2	1092.6	1765.8	2705.4	3340.0	3794.3	4329.6
7.5°	302.2	449.1	570.6	813.1	1015.4	1144.0	1969.9	2929.7	3438.4	3838.7	4314.3
5°	326.8	461.9	584.8	849.4	1060.0	1184.5	2130.7	3107.0	3498.1	3845.5	4234.5
2.5°	346.3	470.6	595.8	877.7	1095.6	1210.5	2184.0	3161.6	3510.0	3845.3	4196.2
0°	360.4	475.7	603.4	897.9	1124.5	1231.6	2195.4	3173.6	3501.1	3836.8	4211.6
-2.5°	373.2	490.3	627.1	915.1	1125.7	1234.0	2184.5	3159.5	3540.6	3929.7	4377.3
-5°	381.0	502.0	646.5	923.9	1121.3	1232.5	2134.8	3103.2	3536.5	3931.3	4404.7
-7.5°	384.7	511.0	660.9	922.8	1105.8	1215.8	2002.8	2922.9	3397.5	3769.4	4265.7
-10°	386.0	521.9	670.3	903.2	1076.9	1187.7	1832.5	2709.0	3243.8	3592.2	4073.8
-12.5°	389.4	534.4	676.3	881.2	1048.2	1155.8	1639.9	2466.1	3077.2	3402.2	3854.6
-15°	389.2	544.1	679.3	858.4	1021.5	1120.1	1429.5	2197.9	2953.3	3366.0	3735.8
-17.5°	385.7	550.8	679.6	836.5	998.4	1080.7	1213.1	1961.1	2850.8	3351.2	3709.9
-20°	379.0	554.8	677.6	817.1	977.0	1064.1	1171.9	1731.6	2578.2	3298.4	3699.7



REPORT NUMBER: P701703 (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°	369.4	555.9	675.2	807.3	960.1	1069.4	1161.9	1480.1	2218.2	3210.8	3630.8
-25°	364.2	539.6	672.5	795.8	942.2	1075.8	1151.5	1248.2	1862.5	2770.1	3469.1
-27.5°	361.4	520.8	657.1	776.8	919.3	1074.2	1152.4	1234.2	1561.6	2266.9	3219.3
-30°	353.0	489.7	636.3	751.9	892.3	1043.9	1159.9	1224.1	1316.0	1863.1	2640.3
-32.5°	335.4	457.2	602.1	724.8	857.0	1008.5	1152.1	1223.8	1302.3	1464.6	2091.8
-35°	316.7	431.6	562.9	691.3	813.6	960.7	1101.1	1221.2	1289.0	1373.0	1653.5
-37.5°	301.9	402.8	522.8	650.1	770.8	903.1	1044.6	1177.2	1278.8	1363.5	1470.3
-40°	283.3	370.9	486.2	605.6	723.7	845.9	978.2	1111.8	1239.9	1368.4	1465.8
-42.5°	261.0	346.1	447.9	560.1	673.3	790.8	908.9	1037.7	1187.2	1349.0	1474.0
-45°	234.4	317.2	407.9	511.8	618.2	731.2	845.5	961.8	1119.4	1285.7	1442.4
-47.5°	204.4	283.9	370.4	459.8	560.3	665.6	776.9	898.7	1036.9	1195.6	1366.3
-50°	172.8	246.6	327.3	410.3	499.9	597.2	700.1	823.1	953.2	1092.3	1246.4
-52.5°	143.0	205.6	280.3	359.5	440.7	527.8	624.2	734.3	856.3	985.8	1115.3
-55°	110.8	167.1	229.4	303.5	381.4	459.9	544.2	641.8	747.8	865.9	982.0
-57.5°	85.9	127.1	180.8	242.7	315.3	391.3	466.0	545.4	638.1	738.8	836.6
-60°	65.0	93.3	133.0	185.3	243.5	311.9	383.6	455.9	530.6	605.4	688.8
-62.5°	46.0	67.9	94.1	128.8	178.6	229.5	289.3	355.9	426.4	490.6	552.1
-65°	40.3	46.7	64.6	89.1	114.7	156.8	202.2	248.7	306.9	364.5	423.0
-67.5°	34.3	40.2	46.0	55.2	77.3	99.3	121.3	160.8	201.2	238.0	277.2
-70°	31.1	34.0	38.8	44.0	49.0	58.2	77.3	96.3	114.7	136.6	167.6
-72.5°	28.3	30.8	33.5	36.4	40.7	45.2	49.5	53.8	64.7	79.8	93.9
-75°	25.6	27.5	29.6	32.0	34.5	37.2	40.2	43.9	47.4	50.8	54.2
-77.5°	22.8	24.5	26.2	27.8	29.4	31.5	33.7	36.1	38.1	40.0	42.0
-80°	20.3	21.5	23.0	24.4	25.5	26.7	28.0	29.4	30.5	31.5	32.9
-82.5°	18.3	19.0	19.9	20.9	21.7	22.3	22.9	23.7	24.8	25.8	26.7
-85°	16.2	16.5	16.9	17.4	18.2	19.0	19.6	20.2	20.7	21.3	21.8
-87.5°	14.3	14.4	14.6	14.8	15.4	16.0	16.7	17.3	17.6	17.8	18.0
-90°	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.5	16.5	16.5	16.5	16.5	17.0	17.5	18.0	18.5	18.5	18.5
87.5°	2.1	2.0	2.0	1.9	1.9	1.5	1.0	0.5	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.7	2.7	2.6	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	4.4	4.1	3.6	3.0	2.3	2.1	2.1	2.1	2.1	2.1	2.1
75°	6.0	5.9	5.7	5.1	4.3	4.1	4.1	4.0	3.8	3.8	3.9
72.5°	12.5	12.4	11.7	10.8	9.3	8.5	8.4	8.0	7.4	7.2	6.9
70°	22.8	22.1	20.7	18.5	15.4	13.2	12.1	10.6	8.9	8.1	8.1
67.5°	32.8	29.5	26.6	23.4	19.3	15.8	13.9	12.1	10.4	9.6	9.2
65°	37.9	30.3	25.2	21.3	18.3	15.5	13.3	11.4	9.7	8.7	8.4
62.5°	34.8	25.2	19.9	16.7	14.1	12.2	10.7	9.2	7.8	6.9	7.2
60°	28.4	19.5	15.0	13.1	11.6	10.4	9.1	7.8	6.8	6.3	6.9
57.5°	21.8	15.6	12.3	11.4	10.3	8.9	7.9	7.6	7.5	7.5	7.9
55°	16.2	13.7	12.4	11.0	9.6	8.7	8.3	8.5	8.5	8.2	8.2
52.5°	13.8	12.7	11.2	10.0	9.7	9.8	10.1	9.7	9.5	9.5	9.7
50°	13.5	12.4	11.3	10.3	10.6	10.7	10.4	10.7	11.3	11.6	11.8
47.5°	14.6	13.8	14.5	12.2	12.7	14.3	14.3	14.6	16.4	17.3	17.6
45°	19.2	23.4	23.4	21.6	20.8	30.1	30.7	25.7	41.9	40.2	28.3
42.5°	35.5	37.7	37.8	47.3	64.0	72.9	96.7	134.5	126.0	97.8	59.2
40°	58.7	55.8	68.1	87.5	106.9	129.8	162.3	226.7	215.8	172.7	189.8
37.5°	101.4	101.4	107.3	134.2	141.7	122.0	173.3	167.5	133.4	187.7	198.6
35°	185.5	204.1	173.3	214.9	220.4	202.8	212.7	235.1	203.4	243.3	260.4
32.5°	333.1	367.6	372.1	382.3	413.0	436.5	429.9	484.7	487.4	539.2	610.1
30°	532.5	603.9	677.8	689.4	727.6	789.6	820.9	931.3	1048.3	1125.0	1265.8
27.5°	936.0	953.6	1102.4	1219.5	1173.0	1265.8	1498.4	1633.1	1856.8	1990.2	2131.8
25°	1503.3	1551.9	1761.5	1977.4	2006.1	2091.0	2428.8	2621.6	2852.2	2986.8	3279.0
22.5°	2223.3	2432.6	2663.3	2947.2	3063.7	3263.1	3591.6	3874.4	4354.6	4948.9	6229.4
20°	3025.4	3339.8	3650.0	3899.4	4139.6	4456.7	4856.4	6221.0	7838.1	12710.3	16071.9
17.5°	3711.6	4226.8	4523.2	4764.7	5066.1	5678.1	7264.4	11285.8	19041.0	29888.3	39817.4
15°	4245.4	4726.4	5203.1	5505.8	5976.8	7331.4	10558.8	20421.6	36491.4	54802.4	76960.4
12.5°	4668.5	5067.9	5468.3	5913.7	6784.3	9424.0	17635.3	32866.6	56234.9	85833.5	125115.7
10°	4897.0	5296.7	5683.0	6317.1	7928.7	12735.3	24243.1	44329.6	81006.1	127232.4	177294.8
7.5°	4895.4	5382.6	5860.4	6633.8	9095.1	16692.2	32027.0	59208.0	102589.9	160544.6	224995.4
5°	4892.7	5482.3	5982.8	6855.7	9824.5	19392.5	36858.6	67447.8	120164.6	185566.6	254577.6
2.5°	4940.2	5589.0	6061.9	7001.8	10162.5	20841.5	39538.8	73955.9	132451.5	199808.8	273552.4
0°	5051.8	5684.1	6108.3	7016.6	10122.2	21140.3	39850.5	75530.5	137180.3	208741.2	284414.9
-2.5°	5236.6	5670.4	6082.1	6957.3	9987.3	20523.7	39122.4	74157.0	131700.9	198801.4	272039.5
-5°	5125.4	5475.7	5839.9	6627.3	9324.9	18361.9	35240.6	66358.4	115507.3	175763.9	238502.4
-7.5°	4839.9	5194.9	5532.2	6211.3	8370.1	15152.8	28827.2	53307.3	91695.8	138623.3	187900.5
-10°	4579.6	4898.0	5215.6	5758.8	7151.8	11114.1	20628.4	37726.5	66948.5	102323.6	139981.5
-12.5°	4379.2	4646.7	4891.3	5255.3	6030.0	8243.0	15007.4	27697.5	44957.2	67478.8	95038.8
-15°	4202.9	4410.8	4590.8	4941.1	5516.9	6673.0	9351.3	16601.0	27355.5	41546.5	56595.2
-17.5°	4039.7	4239.2	4451.7	4718.6	5081.1	5636.1	7174.7	10224.1	16428.5	25698.5	34573.8
-20°	3956.3	4200.3	4383.0	4591.8	4899.6	5326.0	5866.6	7379.3	9936.6	15633.7	21404.5



REPORT NUMBER: P701703 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3890.5	4123.2	4331.7	4573.9	4889.9	5226.6	5518.3	5980.3	7186.8	8976.0	11955.1
-25°	3810.3	4039.8	4348.0	4700.7	4972.1	5226.6	5374.7	5471.0	5988.8	6500.2	7640.7
-27.5°	3658.1	4021.8	4474.5	4855.2	5147.3	5305.2	5424.5	5502.5	5813.0	6117.9	6449.7
-30°	3522.1	4079.5	4568.4	5011.1	5265.3	5458.3	5613.8	5754.5	5969.0	6227.2	6347.9
-32.5°	3039.4	4063.8	4607.6	5015.1	5276.4	5504.1	5743.8	5873.7	6062.7	6251.8	6404.3
-35°	2387.4	3428.4	4565.1	4798.5	5057.9	5354.7	5642.6	5827.5	6019.9	6214.7	6394.3
-37.5°	1788.4	2567.0	3488.8	4331.9	4679.9	4983.9	5337.2	5622.1	5873.9	6086.3	6290.8
-40°	1567.5	1778.8	2456.9	3126.6	3837.7	4490.4	4839.7	5221.1	5600.0	5862.4	6095.8
-42.5°	1565.2	1646.0	1715.3	2164.1	2711.3	3272.6	3866.6	4420.2	5036.6	5468.7	5796.5
-45°	1575.1	1638.1	1702.7	1767.7	1827.4	2240.4	2673.5	3112.7	3756.0	4394.7	4946.8
-47.5°	1500.2	1621.7	1699.0	1761.3	1820.4	1878.4	1935.0	2053.5	2464.7	2900.0	3297.9
-50°	1381.2	1506.5	1621.6	1737.0	1804.8	1862.0	1923.6	1991.3	2057.2	2124.1	2168.5
-52.5°	1235.5	1358.7	1478.4	1588.0	1686.6	1783.6	1880.5	1959.2	2029.4	2097.9	2132.0
-55°	1096.0	1206.9	1316.1	1412.4	1508.6	1604.2	1700.6	1796.4	1891.7	1985.2	2033.1
-57.5°	941.1	1048.9	1151.6	1232.7	1314.4	1396.0	1483.5	1573.6	1660.4	1740.0	1781.9
-60°	776.9	869.2	957.2	1036.0	1112.5	1186.1	1260.4	1335.5	1409.0	1473.8	1511.7
-62.5°	613.6	684.8	758.1	826.8	892.0	954.8	1022.5	1087.2	1148.3	1199.9	1235.8
-65°	480.3	533.6	580.5	628.1	676.4	731.6	787.4	840.2	889.6	930.5	961.1
-67.5°	326.2	375.1	418.1	458.5	495.6	533.2	573.2	611.7	648.1	678.2	701.9
-70°	197.3	224.8	249.4	276.6	308.9	340.6	372.3	401.5	428.1	449.9	467.2
-72.5°	107.2	118.9	131.4	151.0	169.0	187.0	204.7	221.0	235.8	248.8	260.2
-75°	57.6	62.6	71.7	79.9	87.1	94.4	101.4	107.9	113.7	118.5	122.5
-77.5°	44.5	46.9	49.1	51.1	52.8	54.4	56.0	57.5	58.9	60.3	61.5
-80°	34.2	35.9	37.5	39.1	40.6	41.7	42.5	43.3	43.9	44.8	45.6
-82.5°	27.5	28.2	29.0	29.8	30.6	31.5	32.3	33.1	33.9	34.3	34.5
-85°	22.4	22.8	23.0	23.3	23.5	23.8	24.1	24.3	24.4	24.5	24.6
-87.5°	18.1	18.2	18.2	18.3	18.3	18.9	19.4	20.0	20.5	20.6	20.6
-90°	2.1	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701703 (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°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.0
87.5°	0.0	0.0	1.0	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	4.0
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	6.9	7.2	7.4	8.0
70°	8.1	8.1	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.9	10.6
67.5°	8.8	8.3	7.3	6.2	7.3	8.3	8.8	9.2	9.6	10.4	12.1
65°	8.3	8.2	7.3	6.2	7.3	8.2	8.3	8.4	8.7	9.7	11.4
62.5°	7.6	8.1	7.3	6.2	7.3	8.1	7.6	7.2	6.9	7.8	9.2
60°	7.5	8.0	8.2	8.2	8.2	8.0	7.5	6.9	6.3	6.8	7.8
57.5°	8.1	8.2	8.2	8.2	8.2	8.2	8.1	7.9	7.5	7.5	7.6
55°	8.2	8.2	9.0	10.3	9.0	8.2	8.2	8.2	8.2	8.5	8.5
52.5°	10.0	10.2	10.3	10.3	10.3	10.2	10.0	9.7	9.5	9.5	9.7
50°	12.1	12.2	12.4	12.4	12.4	12.2	12.1	11.8	11.6	11.3	10.7
47.5°	17.5	16.8	16.4	16.5	16.4	16.8	17.5	17.6	17.3	16.4	14.6
45°	28.7	28.6	28.5	28.8	28.5	28.6	28.7	28.3	40.2	41.9	25.7
42.5°	57.6	51.9	47.5	49.4	47.5	51.9	57.6	59.2	97.8	126.0	134.5
40°	169.5	116.4	67.5	68.0	67.5	116.4	169.5	189.8	172.7	215.8	226.7
37.5°	158.4	127.8	115.3	113.3	115.3	127.8	158.4	198.6	187.7	133.4	167.5
35°	261.3	259.7	248.3	247.1	248.3	259.7	261.3	260.4	243.3	203.4	235.1
32.5°	637.5	663.7	655.3	644.6	655.3	663.7	637.5	610.1	539.2	487.4	484.7
30°	1332.6	1390.6	1378.9	1410.7	1378.9	1390.6	1332.6	1265.8	1125.0	1048.3	931.3
27.5°	2210.3	2248.2	2209.0	2197.4	2209.0	2248.2	2210.3	2131.8	1990.2	1856.8	1633.1
25°	3478.7	3552.3	3586.3	3655.5	3586.3	3552.3	3478.7	3279.0	2986.8	2852.2	2621.6
22.5°	7821.5	8277.3	8043.2	7834.2	8043.2	8277.3	7821.5	6229.4	4948.9	4354.6	3874.4
20°	22953.8	27007.9	26709.1	26175.7	26709.1	27007.9	22953.8	16071.9	12710.3	7838.1	6221.0
17.5°	55348.4	67803.2	75559.6	79641.2	75559.6	67803.2	55348.4	39817.4	29888.3	19041.0	11285.8
15°	103257.0	124206.0	136506.1	143482.3	136506.1	124206.0	103257.0	76960.4	54802.4	36491.4	20421.6
12.5°	162880.9	195715.5	217498.2	221662.3	217498.2	195715.5	162880.9	125115.7	85833.5	56234.9	32866.6
10°	228534.8	270588.5	305271.1	317920.2	305271.1	270588.5	228534.8	177294.8	127232.4	81006.1	44329.6
7.5°	284605.4	338270.7	384324.3	400704.2	384324.3	338270.7	284605.4	224995.4	160544.6	102589.9	59208.0
5°	325377.7	396566.7	438252.9	449500.9	438252.9	396566.7	325377.7	254577.6	185566.6	120164.6	67447.8
2.5°	358566.4	426142.5	470835.8	493879.1	470835.8	426142.5	358566.4	273552.4	199808.8	132451.5	73955.9
0°	373158.9	438099.8	486301.3	520109.3	486301.3	438099.8	373158.9	284414.9	208741.2	137180.3	75530.5
-2.5°	355225.9	421637.0	455925.2	470743.2	455925.2	421637.0	355225.9	272039.5	198801.4	131700.9	74157.0
-5°	302016.3	364620.7	399082.8	410031.4	399082.8	364620.7	302016.3	238502.4	175763.9	115507.3	66358.4
-7.5°	235585.2	278957.6	308690.5	319052.9	308690.5	278957.6	235585.2	187900.5	138623.3	91695.8	53307.3
-10°	177390.6	208496.0	224429.4	229814.7	224429.4	208496.0	177390.6	139981.5	102323.6	66948.5	37726.5
-12.5°	121806.0	145222.2	155521.8	162288.2	155521.8	145222.2	121806.0	95038.8	67478.8	44957.2	27697.5
-15°	74926.2	90191.9	98301.9	102931.6	98301.9	90191.9	74926.2	56595.2	41546.5	27355.5	16601.0
-17.5°	45521.6	53819.6	59194.1	61629.2	59194.1	53819.6	45521.6	34573.8	25698.5	16428.5	10224.1
-20°	28261.0	33785.9	36924.1	38723.9	36924.1	33785.9	28261.0	21404.5	15633.7	9936.6	7379.3



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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°	15876.2	18907.7	20607.5	21200.0	20607.5	18907.7	15876.2	11955.1	8976.0	7186.8	5980.3
-25°	8828.6	9600.2	9937.8	10017.2	9937.8	9600.2	8828.6	7640.7	6500.2	5988.8	5471.0
-27.5°	6737.4	6901.9	7006.1	7037.2	7006.1	6901.9	6737.4	6449.7	6117.9	5813.0	5502.5
-30°	6462.7	6479.9	6508.5	6503.8	6508.5	6479.9	6462.7	6347.9	6227.2	5969.0	5754.5
-32.5°	6511.7	6518.1	6523.8	6514.1	6523.8	6518.1	6511.7	6404.3	6251.8	6062.7	5873.7
-35°	6492.3	6511.0	6525.6	6532.6	6525.6	6511.0	6492.3	6394.3	6214.7	6019.9	5827.5
-37.5°	6372.2	6397.9	6410.5	6398.7	6410.5	6397.9	6372.2	6290.8	6086.3	5873.9	5622.1
-40°	6151.9	6170.4	6171.6	6161.9	6171.6	6170.4	6151.9	6095.8	5862.4	5600.0	5221.1
-42.5°	5896.3	5961.4	5992.1	5993.0	5992.1	5961.4	5896.3	5796.5	5468.7	5036.6	4420.2
-45°	5296.7	5568.1	5729.2	5768.5	5729.2	5568.1	5296.7	4946.8	4394.7	3756.0	3112.7
-47.5°	3615.8	3885.5	4060.9	4127.1	4060.9	3885.5	3615.8	3297.9	2900.0	2464.7	2053.5
-50°	2200.9	2233.6	2248.0	2244.8	2248.0	2233.6	2200.9	2168.5	2124.1	2057.2	1991.3
-52.5°	2158.2	2184.0	2199.9	2207.7	2199.9	2184.0	2158.2	2132.0	2097.9	2029.4	1959.2
-55°	2072.4	2104.8	2121.4	2125.4	2121.4	2104.8	2072.4	2033.1	1985.2	1891.7	1796.4
-57.5°	1817.2	1845.3	1861.5	1867.9	1861.5	1845.3	1817.2	1781.9	1740.0	1660.4	1573.6
-60°	1542.5	1566.1	1576.4	1577.5	1576.4	1566.1	1542.5	1511.7	1473.8	1409.0	1335.5
-62.5°	1265.5	1289.0	1296.8	1295.4	1296.8	1289.0	1265.5	1235.8	1199.9	1148.3	1087.2
-65°	986.7	1007.1	1011.1	1007.1	1011.1	1007.1	986.7	961.1	930.5	889.6	840.2
-67.5°	721.9	737.9	742.5	741.4	742.5	737.9	721.9	701.9	678.2	648.1	611.7
-70°	481.0	491.3	490.9	486.0	490.9	491.3	481.0	467.2	449.9	428.1	401.5
-72.5°	269.9	277.7	284.0	288.3	284.0	277.7	269.9	260.2	248.8	235.8	221.0
-75°	125.7	128.1	131.3	133.9	131.3	128.1	125.7	122.5	118.5	113.7	107.9
-77.5°	62.6	63.5	64.7	65.9	64.7	63.5	62.6	61.5	60.3	58.9	57.5
-80°	46.4	47.2	47.4	47.4	47.4	47.2	46.4	45.6	44.8	43.9	43.3
-82.5°	34.7	34.9	35.0	35.0	35.0	34.9	34.7	34.5	34.3	33.9	33.1
-85°	24.6	24.7	25.7	26.8	25.7	24.7	24.6	24.6	24.5	24.4	24.3
-87.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.5	20.0
-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°	17.5	17.0	16.5	16.5	16.5	16.5	16.5	16.0	15.5	14.9	14.4
87.5°	1.0	1.5	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1
85°	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.4	2.4
80°	2.1	2.1	2.1	2.4	2.6	2.7	2.7	3.0	3.3	3.6	3.8
77.5°	2.1	2.1	2.3	3.0	3.6	4.1	4.4	4.7	4.9	5.1	5.2
75°	4.1	4.1	4.3	5.1	5.7	5.9	6.0	5.8	5.8	6.0	6.2
72.5°	8.4	8.5	9.3	10.8	11.7	12.4	12.5	11.7	10.2	7.9	6.2
70°	12.1	13.2	15.4	18.5	20.7	22.1	22.8	22.3	20.2	18.0	13.7
67.5°	13.9	15.8	19.3	23.4	26.6	29.5	32.8	36.0	36.3	34.0	24.5
65°	13.3	15.5	18.3	21.3	25.2	30.3	37.9	42.6	45.5	46.8	38.5
62.5°	10.7	12.2	14.1	16.7	19.9	25.2	34.8	43.0	49.9	51.3	43.4
60°	9.1	10.4	11.6	13.1	15.0	19.5	28.4	38.8	50.8	49.5	44.4
57.5°	7.9	8.9	10.3	11.4	12.3	15.6	21.8	30.3	41.3	42.5	40.7
55°	8.3	8.7	9.6	11.0	12.4	13.7	16.2	21.5	29.3	31.7	32.3
52.5°	10.1	9.8	9.7	10.0	11.2	12.7	13.8	16.7	19.3	22.7	24.6
50°	10.4	10.7	10.6	10.3	11.3	12.4	13.5	14.4	15.9	17.5	18.8
47.5°	14.3	14.3	12.7	12.2	14.5	13.8	14.6	15.3	16.2	15.8	16.7
45°	30.7	30.1	20.8	21.6	23.4	23.4	19.2	20.5	19.8	18.5	16.4
42.5°	96.7	72.9	64.0	47.3	37.8	37.7	35.5	32.6	29.7	24.6	23.5
40°	162.3	129.8	106.9	87.5	68.1	55.8	58.7	50.0	44.7	38.1	37.9
37.5°	173.3	122.0	141.7	134.2	107.3	101.4	101.4	84.4	62.3	75.3	74.2
35°	212.7	202.8	220.4	214.9	173.3	204.1	185.5	145.1	122.3	136.0	127.6
32.5°	429.9	436.5	413.0	382.3	372.1	367.6	333.1	256.5	243.9	234.4	206.0
30°	820.9	789.6	727.6	689.4	677.8	603.9	532.5	537.8	464.6	359.8	307.6
27.5°	1498.4	1265.8	1173.0	1219.5	1102.4	953.6	936.0	949.7	766.2	580.7	443.6
25°	2428.8	2091.0	2006.1	1977.4	1761.5	1551.9	1503.3	1441.4	1230.6	872.0	613.0
22.5°	3591.6	3263.1	3063.7	2947.2	2663.3	2432.6	2223.3	1995.3	1781.6	1305.4	909.1
20°	4856.4	4456.7	4139.6	3899.4	3650.0	3339.8	3025.4	2632.7	2297.6	1845.1	1268.3
17.5°	7264.4	5678.1	5066.1	4764.7	4523.2	4226.8	3711.6	3203.2	2808.5	2410.7	1664.8
15°	10558.8	7331.4	5976.8	5505.8	5203.1	4726.4	4245.4	3703.9	3310.1	2922.0	2113.5
12.5°	17635.3	9424.0	6784.3	5913.7	5468.3	5067.9	4668.5	4178.3	3705.8	3195.2	2433.5
10°	24243.1	12735.3	7928.7	6317.1	5683.0	5296.7	4897.0	4329.6	3794.3	3340.0	2705.4
7.5°	32027.0	16692.2	9095.1	6633.8	5860.4	5382.6	4895.4	4314.3	3838.7	3438.4	2929.7
5°	36858.6	19392.5	9824.5	6855.7	5982.8	5482.3	4892.7	4234.5	3845.5	3498.1	3107.0
2.5°	39538.8	20841.5	10162.5	7001.8	6061.9	5589.0	4940.2	4196.2	3845.3	3510.0	3161.6
0°	<b>39850.5</b>	<b>21140.3</b>	<b>10122.2</b>	<b>7016.6</b>	<b>6108.3</b>	<b>5684.1</b>	<b>5051.8</b>	<b>4211.6</b>	<b>3836.8</b>	<b>3501.1</b>	<b>3173.6</b>
-2.5°	39122.4	20523.7	9987.3	6957.3	6082.1	5670.4	5236.6	4377.3	3929.7	3540.6	3159.5
-5°	35240.6	18361.9	9324.9	6627.3	5839.9	5475.7	5125.4	4404.7	3931.3	3536.5	3103.2
-7.5°	28827.2	15152.8	8370.1	6211.3	5532.2	5194.9	4839.9	4265.7	3769.4	3397.5	2922.9
-10°	20628.4	11114.1	7151.8	5758.8	5215.6	4898.0	4579.6	4073.8	3592.2	3243.8	2709.0
-12.5°	15007.4	8243.0	6030.0	5255.3	4891.3	4646.7	4379.2	3854.6	3402.2	3077.2	2466.1
-15°	9351.3	6673.0	5516.9	4941.1	4590.8	4410.8	4202.9	3735.8	3366.0	2953.3	2197.9
-17.5°	7174.7	5636.1	5081.1	4718.6	4451.7	4239.2	4039.7	3709.9	3351.2	2850.8	1961.1
-20°	5866.6	5326.0	4899.6	4591.8	4383.0	4200.3	3956.3	3699.7	3298.4	2578.2	1731.6



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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°	5518.3	5226.6	4889.9	4573.9	4331.7	4123.2	3890.5	3630.8	3210.8	2218.2	1480.1
-25°	5374.7	5226.6	4972.1	4700.7	4348.0	4039.8	3810.3	3469.1	2770.1	1862.5	1248.2
-27.5°	5424.5	5305.2	5147.3	4855.2	4474.5	4021.8	3658.1	3219.3	2266.9	1561.6	1234.2
-30°	5613.8	5458.3	5265.3	5011.1	4568.4	4079.5	3522.1	2640.3	1863.1	1316.0	1224.1
-32.5°	5743.8	5504.1	5276.4	5015.1	4607.6	4063.8	3039.4	2091.8	1464.6	1302.3	1223.8
-35°	5642.6	5354.7	5057.9	4798.5	4565.1	3428.4	2387.4	1653.5	1373.0	1289.0	1221.2
-37.5°	5337.2	4983.9	4679.9	4331.9	3488.8	2567.0	1788.4	1470.3	1363.5	1278.8	1177.2
-40°	4839.7	4490.4	3837.7	3126.6	2456.9	1778.8	1567.5	1465.8	1368.4	1239.9	1111.8
-42.5°	3866.6	3272.6	2711.3	2164.1	1715.3	1646.0	1565.2	1474.0	1349.0	1187.2	1037.7
-45°	2673.5	2240.4	1827.4	1767.7	1702.7	1638.1	1575.1	1442.4	1285.7	1119.4	961.8
-47.5°	1935.0	1878.4	1820.4	1761.3	1699.0	1621.7	1500.2	1366.3	1195.6	1036.9	898.7
-50°	1923.6	1862.0	1804.8	1737.0	1621.6	1506.5	1381.2	1246.4	1092.3	953.2	823.1
-52.5°	1880.5	1783.6	1686.6	1588.0	1478.4	1358.7	1235.5	1115.3	985.8	856.3	734.3
-55°	1700.6	1604.2	1508.6	1412.4	1316.1	1206.9	1096.0	982.0	865.9	747.8	641.8
-57.5°	1483.5	1396.0	1314.4	1232.7	1151.6	1048.9	941.1	836.6	738.8	638.1	545.4
-60°	1260.4	1186.1	1112.5	1036.0	957.2	869.2	776.9	688.8	605.4	530.6	455.9
-62.5°	1022.5	954.8	892.0	826.8	758.1	684.8	613.6	552.1	490.6	426.4	355.9
-65°	787.4	731.6	676.4	628.1	580.5	533.6	480.3	423.0	364.5	306.9	248.7
-67.5°	573.2	533.2	495.6	458.5	418.1	375.1	326.2	277.2	238.0	201.2	160.8
-70°	372.3	340.6	308.9	276.6	249.4	224.8	197.3	167.6	136.6	114.7	96.3
-72.5°	204.7	187.0	169.0	151.0	131.4	118.9	107.2	93.9	79.8	64.7	53.8
-75°	101.4	94.4	87.1	79.9	71.7	62.6	57.6	54.2	50.8	47.4	43.9
-77.5°	56.0	54.4	52.8	51.1	49.1	46.9	44.5	42.0	40.0	38.1	36.1
-80°	42.5	41.7	40.6	39.1	37.5	35.9	34.2	32.9	31.5	30.5	29.4
-82.5°	32.3	31.5	30.6	29.8	29.0	28.2	27.5	26.7	25.8	24.8	23.7
-85°	24.1	23.8	23.5	23.3	23.0	22.8	22.4	21.8	21.3	20.7	20.2
-87.5°	19.4	18.9	18.3	18.3	18.2	18.2	18.1	18.0	17.8	17.6	17.3
-90°	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1	2.1	2.1	2.1





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.9	13.4	12.9	12.4	12.4	12.4	12.4	12.4	11.9	11.4	10.8
87.5°	2.4	2.7	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.6
85°	2.6	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.5	4.8	5.1
82.5°	2.7	3.1	3.6	4.1	4.4	4.6	4.7	4.7	4.9	5.2	5.5
80°	3.7	3.7	3.9	4.2	4.7	5.2	5.5	5.6	5.5	5.6	5.8
77.5°	4.9	4.5	4.2	4.2	4.8	5.3	5.8	6.2	6.1	5.9	6.0
75°	6.2	5.8	5.4	5.1	5.1	5.3	5.8	6.2	6.2	6.2	6.1
72.5°	6.2	6.2	6.2	6.2	5.8	5.8	6.0	6.2	6.2	6.2	6.2
70°	9.6	6.8	6.2	6.2	6.2	6.2	6.1	6.3	6.2	6.2	6.2
67.5°	15.6	11.0	7.9	6.5	6.2	6.2	6.2	6.4	6.5	6.2	6.2
65°	27.4	17.7	10.1	8.4	7.0	6.2	6.2	6.6	6.8	6.6	6.2
62.5°	35.4	26.6	17.5	11.4	8.4	7.0	6.2	6.7	7.2	7.1	6.6
60°	39.2	30.9	24.3	17.6	11.5	8.0	7.0	6.8	7.3	7.6	7.1
57.5°	36.2	33.1	28.3	22.5	16.2	10.5	8.0	7.4	7.3	7.8	7.7
55°	30.9	28.9	30.2	26.1	20.1	13.9	9.7	8.3	7.6	7.9	8.3
52.5°	24.3	26.1	28.8	28.3	23.2	17.1	12.6	9.1	8.4	8.0	8.4
50°	19.5	23.4	27.5	28.8	25.9	20.4	15.2	11.2	9.1	8.3	8.5
47.5°	18.0	21.8	25.5	29.4	27.9	23.5	17.9	13.1	9.9	8.9	8.6
45°	19.8	21.4	24.4	27.8	30.3	25.9	20.6	14.8	11.3	9.6	8.7
42.5°	24.3	24.6	24.7	26.6	29.9	28.0	23.3	17.1	12.6	10.4	9.2
40°	34.8	31.0	27.0	29.2	29.8	29.9	25.2	19.4	13.7	11.4	9.9
37.5°	48.5	42.1	34.7	36.6	32.5	30.7	26.9	21.5	15.3	12.5	10.6
35°	93.7	57.4	59.0	54.4	42.7	32.3	28.5	23.3	17.8	13.7	11.3
32.5°	152.1	110.5	108.8	83.9	56.6	34.7	30.2	25.8	20.4	14.8	12.1
30°	249.6	229.7	180.9	121.2	78.0	47.5	33.5	28.5	22.9	15.9	12.9
27.5°	403.2	371.6	279.4	187.8	113.8	64.4	39.4	31.4	25.5	17.3	13.8
25°	558.7	518.4	416.0	276.0	154.6	99.9	46.7	34.5	27.9	19.4	14.7
22.5°	714.0	661.4	567.5	377.6	216.3	145.7	65.3	40.1	30.4	21.4	15.5
20°	862.3	803.3	719.7	462.5	291.4	200.2	98.7	46.5	32.9	23.4	16.2
17.5°	1034.7	911.4	785.6	552.0	366.1	254.8	137.4	53.4	35.4	25.3	17.0
15°	1299.8	976.2	845.2	631.6	430.8	309.2	179.9	60.7	37.8	27.1	17.6
12.5°	1540.6	1036.7	904.1	701.6	486.3	362.7	225.0	68.2	40.3	28.7	18.3
10°	1765.8	1092.6	961.2	761.9	533.7	415.0	271.1	75.8	43.4	29.9	18.8
7.5°	1969.9	1144.0	1015.4	813.1	570.6	449.1	302.2	83.5	46.6	31.0	19.4
5°	2130.7	1184.5	1060.0	849.4	584.8	461.9	326.8	90.7	49.8	31.8	19.8
2.5°	2184.0	1210.5	1095.6	877.7	595.8	470.6	346.3	97.3	52.8	32.5	20.2
0°	2195.4	1231.6	1124.5	897.9	603.4	475.7	360.4	103.0	55.6	33.0	20.6
-2.5°	2184.5	1234.0	1125.7	915.1	627.1	490.3	373.2	128.4	73.2	43.0	25.4
-5°	2134.8	1232.5	1121.3	923.9	646.5	502.0	381.0	152.4	90.1	52.5	30.1
-7.5°	2002.8	1215.8	1105.8	922.8	660.9	511.0	384.7	174.6	105.8	61.4	34.4
-10°	1832.5	1187.7	1076.9	903.2	670.3	521.9	386.0	194.6	119.9	69.4	38.2
-12.5°	1639.9	1155.8	1048.2	881.2	676.3	534.4	389.4	211.6	132.0	76.2	41.5
-15°	1429.5	1120.1	1021.5	858.4	679.3	544.1	389.2	225.5	142.4	82.9	44.2
-17.5°	1213.1	1080.7	998.4	836.5	679.6	550.8	385.7	236.0	151.0	89.6	47.2
-20°	1171.9	1064.1	977.0	817.1	677.6	554.8	379.0	242.8	157.8	94.6	50.2



REPORT NUMBER: P701703 (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°	1161.9	1069.4	960.1	807.3	675.2	555.9	369.4	245.6	162.6	97.8	52.0
-25°	1151.5	1075.8	942.2	795.8	672.5	539.6	364.2	244.3	165.3	99.0	52.5
-27.5°	1152.4	1074.2	919.3	776.8	657.1	520.8	361.4	246.2	166.2	98.2	51.5
-30°	1159.9	1043.9	892.3	751.9	636.3	489.7	353.0	245.6	165.0	96.6	49.1
-32.5°	1152.1	1008.5	857.0	724.8	602.1	457.2	335.4	242.3	160.9	93.8	47.6
-35°	1101.1	960.7	813.6	691.3	562.9	431.6	316.7	236.2	153.8	88.8	45.8
-37.5°	1044.6	903.1	770.8	650.1	522.8	402.8	301.9	221.6	143.6	81.6	43.0
-40°	978.2	845.9	723.7	605.6	486.2	370.9	283.3	203.6	132.7	72.2	39.1
-42.5°	908.9	790.8	673.3	560.1	447.9	346.1	261.0	182.6	117.6	64.7	34.0
-45°	845.5	731.2	618.2	511.8	407.9	317.2	234.4	159.4	100.3	57.7	30.2
-47.5°	776.9	665.6	560.3	459.8	370.4	283.9	204.4	137.6	81.2	49.2	29.0
-50°	700.1	597.2	499.9	410.3	327.3	246.6	172.8	113.5	69.5	39.1	27.5
-52.5°	624.2	527.8	440.7	359.5	280.3	205.6	143.0	88.6	56.8	34.3	25.8
-55°	544.2	459.9	381.4	303.5	229.4	167.1	110.8	72.7	43.0	31.8	24.1
-57.5°	466.0	391.3	315.3	242.7	180.8	127.1	85.9	55.6	37.2	29.0	23.4
-60°	383.6	311.9	243.5	185.3	133.0	93.3	65.0	42.1	33.7	26.5	22.7
-62.5°	289.3	229.5	178.6	128.8	94.1	67.9	46.0	37.6	29.9	25.4	21.8
-65°	202.2	156.8	114.7	89.1	64.6	46.7	40.3	32.8	27.9	24.2	20.8
-67.5°	121.3	99.3	77.3	55.2	46.0	40.2	34.3	30.0	26.3	22.9	19.8
-70°	77.3	58.2	49.0	44.0	38.8	34.0	31.1	27.9	24.5	21.5	18.7
-72.5°	49.5	45.2	40.7	36.4	33.5	30.8	28.3	25.7	22.7	20.0	17.5
-75°	40.2	37.2	34.5	32.0	29.6	27.5	25.6	23.4	20.8	18.4	16.4
-77.5°	33.7	31.5	29.4	27.8	26.2	24.5	22.8	21.0	19.0	17.1	15.3
-80°	28.0	26.7	25.5	24.4	23.0	21.5	20.3	19.2	17.5	15.8	14.1
-82.5°	22.9	22.3	21.7	20.9	19.9	19.0	18.3	17.5	16.0	14.5	13.1
-85°	19.6	19.0	18.2	17.4	16.9	16.5	16.2	15.8	14.6	13.4	12.4
-87.5°	16.7	16.0	15.4	14.8	14.6	14.4	14.3	14.1	13.2	12.4	11.6
-90°	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1	4.1	4.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.3	9.8	9.3	8.7	8.2	7.2	6.2
87.5°	4.6	5.0	5.3	5.7	6.2	6.2	6.2
85°	5.2	5.3	5.5	5.8	6.2	6.3	6.2
82.5°	5.7	5.7	5.7	5.9	6.2	6.3	6.2
80°	6.2	6.0	5.9	6.0	6.2	6.4	6.2
77.5°	6.2	6.2	6.1	6.0	6.2	6.4	6.2
75°	6.3	6.4	6.2	6.1	6.2	6.5	6.2
72.5°	6.3	6.5	6.4	6.2	6.3	6.5	6.2
70°	6.4	6.7	6.6	6.2	6.3	6.6	6.2
67.5°	6.4	6.8	6.8	6.4	6.3	6.6	6.2
65°	6.5	6.9	7.0	6.6	6.4	6.7	6.2
62.5°	6.5	7.0	7.2	6.8	6.4	6.7	6.2
60°	6.6	7.0	7.5	7.0	6.5	6.8	6.2
57.5°	7.1	7.1	7.5	7.3	6.6	6.8	6.2
55°	7.6	7.1	7.6	7.5	6.8	6.9	6.2
52.5°	8.1	7.3	7.6	7.7	7.0	6.9	6.2
50°	8.6	7.7	7.7	7.9	7.1	7.0	6.2
47.5°	9.0	8.1	7.7	8.1	7.2	7.1	6.2
45°	9.1	8.5	7.8	8.1	7.4	7.1	6.2
42.5°	9.2	8.9	7.8	8.2	7.5	7.2	6.2
40°	9.3	9.3	8.0	8.2	7.6	7.2	6.2
37.5°	9.4	9.6	8.3	8.3	7.7	7.3	6.2
35°	9.5	9.8	8.6	8.3	7.8	7.4	6.2
32.5°	9.8	9.9	8.9	8.4	7.9	7.4	6.2
30°	10.4	10.0	9.2	8.5	7.9	7.5	6.2
27.5°	11.0	10.1	9.4	8.6	8.0	7.6	6.2
25°	11.6	10.2	9.6	8.7	8.0	7.6	6.2
22.5°	12.2	10.3	9.8	8.9	8.1	7.7	6.2
20°	12.8	10.5	9.9	9.0	8.1	7.8	6.2
17.5°	13.4	10.7	10.1	9.2	8.1	7.8	6.2
15°	14.0	10.9	10.1	9.3	8.2	7.9	6.2
12.5°	14.5	11.1	10.2	9.5	8.2	7.9	6.2
10°	15.0	11.4	10.3	9.7	8.2	8.0	6.2
7.5°	15.4	11.6	10.3	9.8	8.2	8.1	6.2
5°	15.8	11.9	10.3	10.0	8.2	8.1	6.2
2.5°	16.2	12.2	10.3	10.2	8.2	8.2	6.2
0°	16.5	12.4	10.3	10.3	8.2	8.2	6.2
-2.5°	18.1	13.1	10.7	10.4	8.3	8.2	6.2
-5°	19.7	13.7	11.0	10.6	8.4	8.3	6.2
-7.5°	21.1	14.3	11.4	10.7	8.5	8.3	6.2
-10°	22.4	14.9	11.7	10.8	8.6	8.4	6.2
-12.5°	23.5	15.4	12.0	10.8	8.7	8.4	6.2
-15°	24.4	15.8	12.3	10.9	8.7	8.4	6.2
-17.5°	25.0	16.2	12.6	11.0	8.8	8.4	6.2
-20°	25.8	16.5	12.8	11.0	8.9	8.4	6.2



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.8	16.8	13.0	11.0	9.0	8.4	6.2
-25°	27.2	17.0	13.2	11.0	9.1	8.5	6.2
-27.5°	27.0	17.2	13.3	11.0	9.2	8.5	6.2
-30°	26.2	17.3	13.4	11.0	9.3	8.5	6.2
-32.5°	24.6	17.3	13.5	11.0	9.3	8.4	6.2
-35°	24.0	17.2	13.6	11.0	9.4	8.4	6.2
-37.5°	23.8	17.1	13.7	10.9	9.5	8.4	6.2
-40°	23.4	17.1	13.7	10.9	9.6	8.4	6.2
-42.5°	22.8	17.1	13.7	10.8	9.6	8.4	6.2
-45°	22.0	17.1	13.7	10.8	9.7	8.3	6.2
-47.5°	21.0	17.0	13.6	10.7	9.8	8.3	6.2
-50°	20.6	16.8	13.5	10.7	9.8	8.3	6.2
-52.5°	20.3	16.6	13.3	10.8	9.9	8.2	6.2
-55°	19.9	16.3	13.1	10.9	9.9	8.2	6.2
-57.5°	19.5	15.9	12.8	10.9	10.0	8.1	6.2
-60°	18.9	15.5	12.6	10.9	10.0	8.1	6.2
-62.5°	18.3	15.1	12.5	10.9	9.9	8.0	6.2
-65°	17.6	14.6	12.3	10.9	9.8	8.0	6.2
-67.5°	16.9	14.1	12.1	10.8	9.6	7.9	6.2
-70°	16.1	13.7	11.9	10.8	9.5	7.8	6.2
-72.5°	15.3	13.2	11.6	10.5	9.4	7.8	6.2
-75°	14.4	12.6	11.3	10.3	9.2	7.7	6.2
-77.5°	13.5	12.0	11.0	10.0	9.1	7.6	6.2
-80°	12.5	11.5	10.7	9.8	8.9	7.5	6.2
-82.5°	11.9	11.1	10.3	9.5	8.7	7.5	6.2
-85°	11.4	10.7	10.0	9.3	8.6	7.4	6.2
-87.5°	10.8	10.2	9.6	9.0	8.4	7.3	6.2
-90°	4.1	4.6	5.2	5.7	6.2	6.2	6.2

(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

