

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: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-3S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-3S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

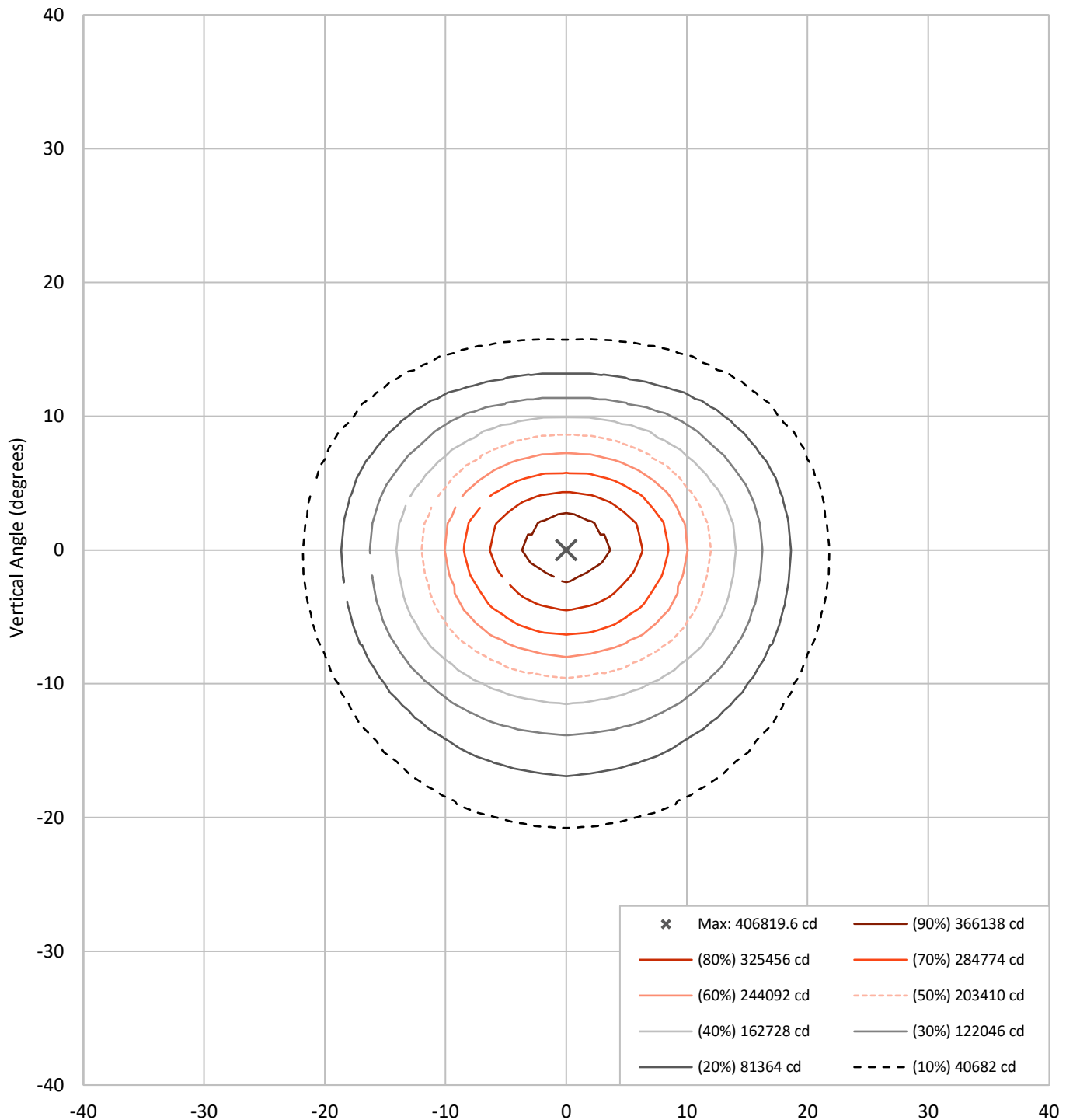
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	68010.1 lumens	Max Intensity:	406819.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	97.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	29093.2 lumens	Field Lumens:	58121.4 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.5  
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





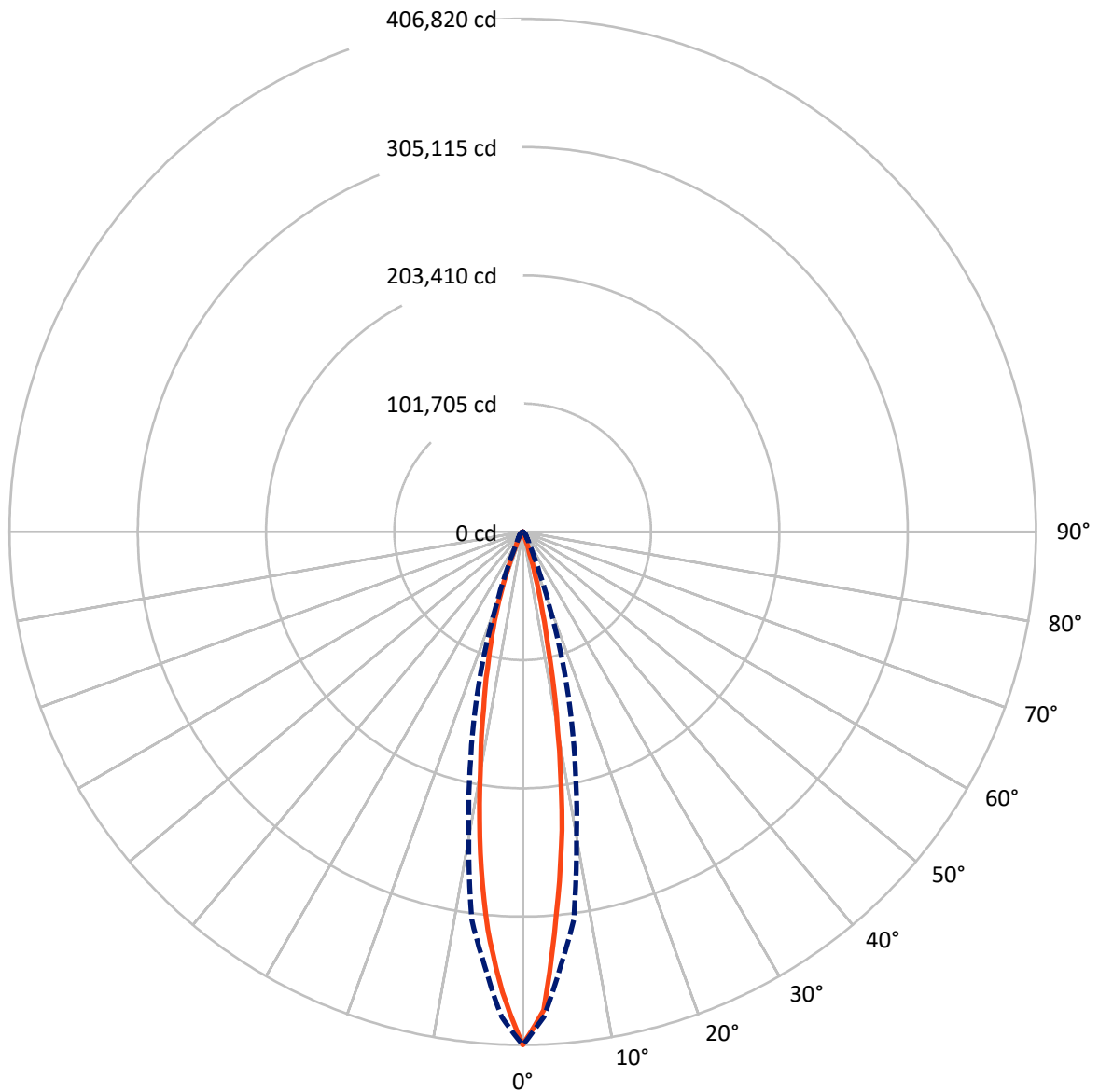
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### Lumen Table

90	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
80	0.2		0.1	0.2	0.8	0.9	0.5	0.3	0.3	0.3	0.3	0.5	0.9	0.8	0.2	0.1	0.2	
70	0.2		0.1	0.5	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.5	0.1	0.2	
60	0.2		0.2	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.2	0.2	
50	0.2		0.3	0.7	1.0	1.9	2.7	3.3	4.4	4.4	3.3	2.7	1.9	1.0	0.7	0.3	0.2	
40	0.3		0.5	1.9	4.7	9.0	13.7	30.9	62.2	62.2	30.9	13.7	9.0	4.7	1.9	0.5	0.3	
30	0.3		1.3	7.0	22.3	49.0	131.4	728.5	1667.0	1667.0	728.5	131.4	49.0	22.3	7.0	1.3	0.3	
20	0.4		2.5	14.7	52.9	123.3	542.4	3402.2	7941.5	7941.5	3402.2	542.4	123.3	52.9	14.7	2.5	0.4	
10	0.4		3.3	17.5	61.9	138.3	578.1	3628.7	8179.5	8179.5	3628.7	578.1	138.3	61.9	17.5	3.3	0.4	
0	0.7		3.5	15.0	47.0	98.2	249.2	1317.5	2965.1	2965.1	1317.5	249.2	98.2	47.0	15.0	3.5	0.7	
-10	0.7		3.4	12.2	29.4	69.4	117.6	255.1	513.0	513.0	255.1	117.6	69.4	29.4	12.2	3.4	0.7	
-20	0.6		3.0	9.7	20.6	44.9	81.0	110.2	128.5	128.5	110.2	81.0	44.9	20.6	9.7	3.0	0.6	
-30	0.6		2.1	7.2	15.6	27.9	45.5	69.7	87.6	87.6	69.7	45.5	27.9	15.6	7.2	2.1	0.6	
-40	0.3		1.0	4.3	9.9	17.7	26.0	33.0	37.1	37.1	33.0	26.0	17.7	9.9	4.3	1.0	0.3	
-50	0.3		0.4	1.5	4.3	8.0	12.3	16.5	19.0	19.0	16.5	12.3	8.0	4.3	1.5	0.4	0.3	
-60	0.3		0.4	1.5	4.3	8.0	12.3	16.5	19.0	19.0	16.5	12.3	8.0	4.3	1.5	0.4	0.3	
-70	0.2		1.0		3.3		8.8		13.5		8.8		3.3		1.0		0.2	
-80	0.2		1.0		3.3		8.8		13.5		8.8		3.3		1.0		0.2	
-90	0.2		1.0		3.3		8.8		13.5		8.8		3.3		1.0		0.2	

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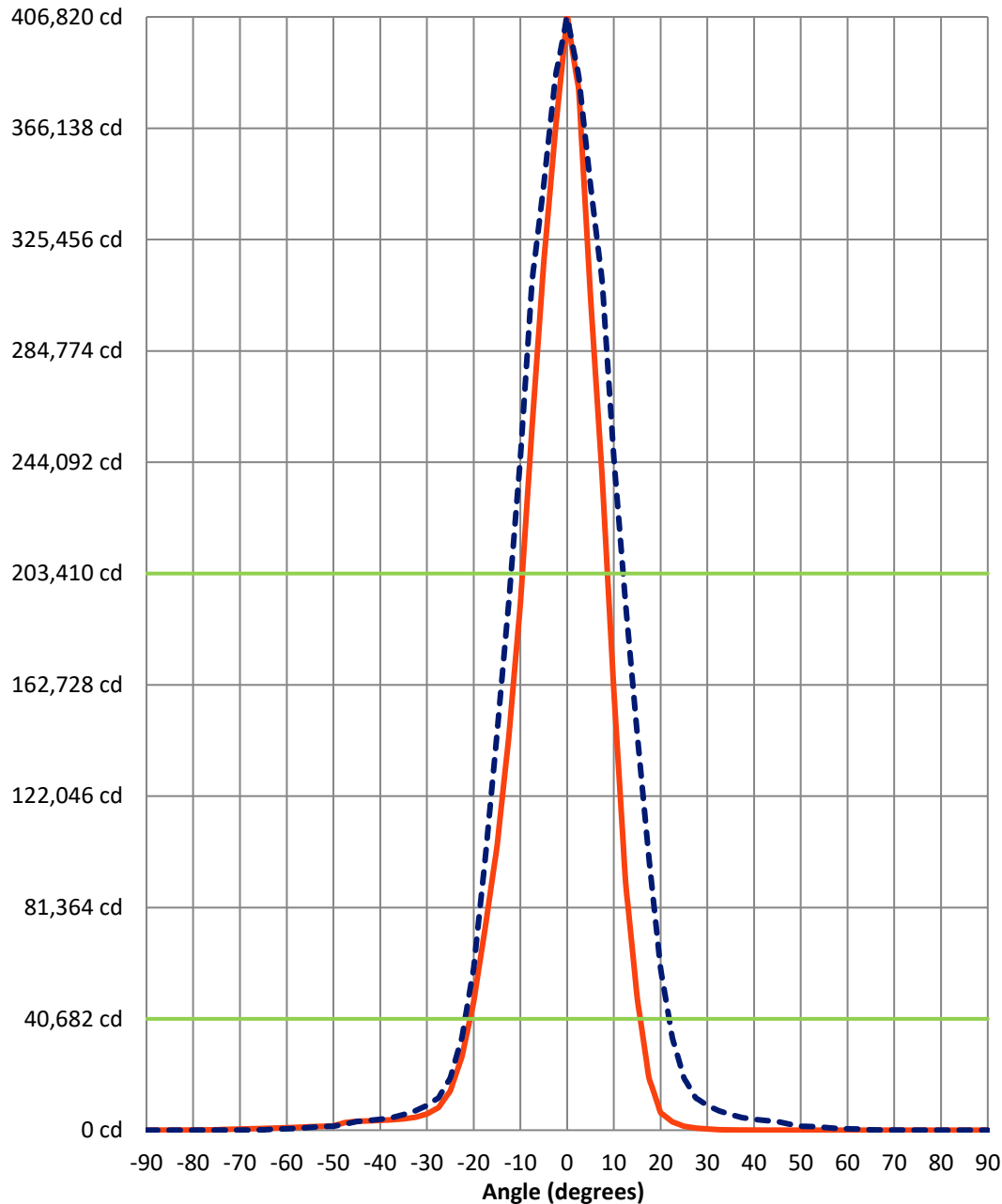
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24°  
 V Angle: 18.2°  
 Lumens: 29093.2  
 Efficiency: 42.8%

**Field:**  
 H Angle: 43.7°  
 V Angle: 36.4°  
 Lumens: 58121.4  
 Efficiency: 85.5%

**Spill:**  
 Lumens: 9888.7  
 Efficiency: 14.5%

— 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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
70°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.3
67.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	9.4	10.1
65°	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.6	9.3	10.1	10.5
62.5°	8.6	8.6	8.6	8.6	8.6	8.8	8.9	9.0	9.9	10.6	9.9
60°	8.6	8.6	8.6	8.6	8.6	9.0	9.0	9.6	10.6	10.3	9.4
57.5°	8.6	8.6	8.6	8.6	8.8	9.2	9.4	10.1	10.6	10.0	9.3
55°	8.6	8.6	8.7	8.6	9.0	9.4	9.8	10.6	10.5	9.9	9.5
52.5°	8.6	8.6	8.7	8.6	9.2	9.7	10.2	10.7	10.5	10.0	9.6
50°	8.6	8.6	8.7	8.6	9.5	9.9	10.5	10.8	10.6	10.2	11.6
47.5°	8.6	8.6	8.8	8.6	9.7	10.1	10.7	11.0	10.7	10.3	13.4
45°	8.6	8.6	8.9	8.8	10.0	10.3	10.9	11.2	10.9	11.4	14.8
42.5°	8.6	8.6	8.9	9.0	10.2	10.5	11.1	11.4	11.2	12.1	16.2
40°	8.6	8.6	9.0	9.3	10.4	10.6	11.4	11.7	11.7	12.6	17.5
37.5°	8.6	8.6	9.1	9.5	10.5	10.7	11.6	12.1	12.6	13.9	18.8
35°	8.6	8.6	9.2	9.7	10.6	10.8	11.9	12.4	13.5	16.1	19.6
32.5°	8.6	8.6	9.3	9.9	10.6	11.1	12.3	12.9	14.5	18.4	21.4
30°	8.6	8.6	9.4	10.1	10.7	11.3	12.6	13.4	15.6	20.8	23.8
27.5°	8.6	8.6	9.5	10.2	10.7	11.6	13.0	14.3	17.0	23.3	26.6
25°	8.6	8.6	9.6	10.3	10.7	11.8	13.3	15.1	18.9	25.7	29.9
22.5°	8.6	8.6	9.7	10.4	10.7	12.1	13.7	16.0	20.9	28.2	36.1
20°	8.6	8.6	9.8	10.5	10.7	12.2	14.1	16.8	22.9	30.9	42.8
17.5°	8.6	8.6	9.9	10.6	10.7	12.4	14.4	17.6	24.8	33.8	50.1
15°	8.6	8.6	10.0	10.6	10.7	12.5	14.6	18.6	26.7	36.8	57.7
12.5°	8.6	8.6	10.2	10.7	10.7	12.6	14.7	19.7	28.8	39.9	65.5
10°	8.6	8.6	10.3	10.7	10.7	12.7	14.8	21.0	31.0	44.9	75.1
7.5°	8.6	8.6	10.4	10.7	10.7	12.8	14.9	22.3	33.2	50.5	88.5
5°	8.6	8.6	10.5	10.7	10.7	12.9	15.0	23.5	35.2	56.1	101.8
2.5°	8.6	8.6	10.6	10.7	10.7	12.9	15.0	24.7	37.0	61.5	114.7
0°	8.6	8.6	10.7	10.7	10.7	12.9	15.0	24.7	37.0	61.5	114.7
-2.5°	8.6	8.6	10.7	10.7	10.9	13.4	17.0	30.8	49.1	81.9	145.2
-5°	8.6	8.6	10.7	10.7	11.1	13.8	18.9	35.5	59.1	96.4	162.2
-7.5°	8.6	8.6	10.7	10.7	11.3	14.2	20.7	39.8	68.3	110.0	177.7
-10°	8.6	8.6	10.6	10.7	11.4	14.6	22.3	43.6	76.7	122.4	191.6
-12.5°	8.6	8.6	10.6	10.7	11.6	14.9	23.7	46.8	83.8	133.5	204.3
-15°	8.6	8.6	10.6	10.7	11.7	15.1	24.8	49.3	90.4	143.6	215.3
-17.5°	8.6	8.6	10.5	10.7	11.8	15.3	25.5	52.0	96.5	152.3	224.0
-20°	8.6	8.6	10.4	10.7	11.8	15.4	26.2	54.6	101.2	159.5	230.5



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.6	8.6	10.4	10.7	11.9	15.4	27.0	56.0	104.1	165.0	234.6
-25°	8.6	8.6	10.3	10.7	11.9	15.6	27.2	56.2	105.3	168.8	236.2
-27.5°	8.6	8.6	10.2	10.7	11.8	15.7	26.6	54.9	104.5	170.5	239.5
-30°	8.6	8.6	10.1	10.7	11.7	15.7	25.2	52.2	102.7	169.3	240.6
-32.5°	8.6	8.6	10.0	10.7	11.8	15.6	23.1	50.2	99.5	165.4	239.5
-35°	8.6	8.6	9.9	10.7	11.7	15.3	22.1	47.7	94.1	158.9	236.1
-37.5°	8.6	8.6	9.8	10.7	11.6	15.1	21.8	43.9	86.6	149.7	220.2
-40°	8.6	8.6	9.7	10.7	11.5	14.9	21.2	38.8	76.9	138.9	200.8
-42.5°	8.6	8.6	9.6	10.7	11.4	14.7	20.5	32.5	68.4	122.0	179.2
-45°	8.6	8.6	9.5	10.7	11.4	14.4	19.6	27.7	59.7	103.1	156.1
-47.5°	8.6	8.6	9.3	10.7	11.4	14.0	18.4	26.4	49.2	83.0	133.4
-50°	8.6	8.6	9.2	10.6	11.4	13.5	17.7	24.8	36.4	68.5	109.1
-52.5°	8.6	8.6	9.1	10.4	11.2	13.0	17.0	22.9	30.6	53.3	84.3
-55°	8.6	8.6	8.9	10.2	11.1	12.6	16.1	20.9	27.8	37.5	66.5
-57.5°	8.6	8.6	8.8	10.0	10.9	12.3	15.1	19.6	24.9	31.3	48.0
-60°	8.6	8.6	8.6	9.8	10.7	11.9	14.1	18.1	22.2	27.9	33.9
-62.5°	8.6	8.6	8.6	9.6	10.5	11.5	13.4	16.5	20.4	24.5	30.1
-65°	8.6	8.6	8.6	9.4	10.3	11.0	12.6	15.1	18.5	22.1	26.1
-67.5°	8.6	8.6	8.6	9.3	10.1	10.6	11.7	14.0	16.6	19.9	23.3
-70°	8.6	8.6	8.6	9.1	10.0	10.5	10.8	12.9	15.3	17.7	20.8
-72.5°	8.6	8.6	8.6	9.0	9.8	10.4	10.7	11.8	14.0	16.3	18.5
-75°	8.6	8.6	8.6	9.0	9.6	10.3	10.7	11.4	12.7	14.8	16.9
-77.5°	8.6	8.6	8.6	8.9	9.5	10.2	10.6	11.1	12.1	13.4	15.2
-80°	8.6	8.6	8.6	8.9	9.3	9.9	10.7	10.9	11.4	12.3	13.5
-82.5°	8.6	8.6	8.6	8.8	9.1	9.6	10.2	10.5	10.7	11.2	11.8
-85°	8.6	8.6	8.6	8.7	9.0	9.3	9.7	9.9	10.0	10.2	10.4
-87.5°	8.6	8.6	8.6	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6





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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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.1	9.7	10.2
87.5°	8.3	8.1	7.8	7.7	7.4	7.1	6.8	6.4	6.4	6.4	6.4
85°	8.6	8.6	8.6	8.6	8.1	7.5	7.0	6.4	6.4	6.4	6.4
82.5°	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.7	6.8	6.7	6.6
80°	8.6	8.6	8.6	8.6	8.3	8.2	8.1	8.2	8.0	7.6	7.0
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.2	7.6	7.1
75°	8.6	8.6	8.7	8.7	8.6	8.6	8.6	8.6	8.4	8.2	8.2
72.5°	8.9	9.2	9.2	8.9	8.6	8.6	8.6	8.6	10.1	12.3	13.9
70°	9.8	9.9	9.3	8.8	8.6	9.2	11.8	15.4	19.2	22.0	25.5
67.5°	10.4	9.5	8.8	8.8	10.4	13.3	17.4	26.5	36.8	40.7	41.9
65°	9.6	8.8	9.1	10.5	12.7	20.3	30.4	42.3	51.0	50.3	47.8
62.5°	8.8	8.9	10.0	13.5	20.4	29.9	39.1	47.4	55.7	53.4	45.8
60°	8.8	9.1	13.2	20.2	27.4	34.4	43.0	47.7	51.5	51.3	40.6
57.5°	8.9	11.6	18.6	25.5	31.3	36.6	39.3	42.6	43.9	44.0	33.0
55°	10.3	16.0	22.8	28.6	33.0	32.2	33.2	33.6	33.8	31.5	22.4
52.5°	13.7	19.6	25.2	30.3	31.4	28.3	24.6	24.8	23.2	19.6	16.2
50°	16.5	21.8	27.3	30.7	29.4	23.5	18.1	18.1	16.5	14.3	12.3
47.5°	18.5	23.9	29.2	31.0	26.1	21.2	16.8	14.7	13.1	12.6	11.3
45°	20.3	25.5	31.0	29.0	24.6	21.0	17.3	12.9	13.4	13.3	13.8
42.5°	21.9	26.6	29.7	27.6	25.1	22.5	19.2	16.5	15.4	17.0	17.7
40°	22.6	27.2	28.7	29.1	26.7	25.3	24.8	22.9	19.9	22.6	23.5
37.5°	22.9	27.2	29.9	33.4	30.2	31.1	32.3	32.8	31.0	30.3	34.1
35°	22.9	28.0	36.0	40.2	37.6	39.5	43.2	45.0	45.0	44.2	50.7
32.5°	23.5	29.5	44.5	48.1	50.9	53.2	55.7	59.7	63.4	67.6	78.2
30°	26.5	37.4	54.2	57.0	67.2	77.8	74.8	76.8	85.2	112.1	135.6
27.5°	33.0	48.2	62.7	71.4	87.9	110.0	116.9	103.3	127.8	169.6	209.4
25°	40.7	78.0	71.9	89.0	119.6	152.9	171.3	169.3	193.3	246.0	293.3
22.5°	57.3	117.1	113.4	108.3	156.6	205.3	237.0	292.0	369.5	369.2	386.3
20°	86.0	154.3	165.7	180.1	211.2	265.7	311.0	456.7	618.1	672.9	613.2
17.5°	119.6	195.3	225.4	273.9	343.1	378.3	404.1	653.5	926.3	1034.4	1068.4
15°	157.0	239.5	289.1	378.9	489.2	551.6	661.7	946.6	1269.0	1452.2	1588.5
12.5°	196.8	286.1	355.9	492.4	645.8	728.4	972.4	1384.8	1705.9	1927.0	2273.3
10°	237.9	334.1	424.6	611.4	809.7	907.2	1305.1	1836.1	2171.5	2427.4	2901.3
7.5°	283.2	382.0	492.9	732.9	977.1	1086.9	1648.8	2290.9	2625.4	2910.5	3446.0
5°	327.3	427.9	554.1	836.3	1111.2	1238.4	1958.6	2737.3	3066.3	3375.7	3937.9
2.5°	368.0	471.9	612.8	931.5	1217.7	1344.4	2107.8	2964.4	3323.2	3707.1	4309.5
0°	403.9	513.5	668.2	1018.4	1314.9	1445.9	2225.8	3160.4	3532.1	3968.2	4580.5
-2.5°	411.5	530.0	687.9	1017.1	1301.9	1443.3	2237.2	3169.0	3604.0	4065.0	4664.3
-5°	413.5	543.3	703.1	1007.0	1280.3	1435.0	2214.1	3137.0	3615.9	4041.4	4581.1
-7.5°	410.6	552.7	713.5	987.0	1238.2	1387.3	2083.5	2942.6	3426.9	3797.6	4305.1
-10°	403.2	551.4	701.8	942.1	1171.0	1315.0	1904.9	2718.3	3230.0	3549.1	3991.2
-12.5°	390.3	541.1	683.3	893.9	1103.1	1241.1	1696.8	2469.8	3030.5	3303.0	3660.7
-15°	375.9	528.8	661.5	844.2	1036.7	1166.8	1460.5	2201.8	2840.5	3118.0	3383.7
-17.5°	360.8	515.0	636.6	794.4	973.9	1093.1	1205.4	1917.0	2600.1	2929.3	3186.0
-20°	346.1	499.9	609.0	746.0	914.8	1036.0	1128.1	1628.3	2262.2	2720.2	2978.0



REPORT NUMBER: P701709 (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°	332.3	483.7	582.8	708.5	862.7	990.4	1083.9	1345.9	1905.8	2492.9	2771.5
-25°	327.3	460.5	561.5	675.7	812.9	944.5	1040.9	1106.3	1569.0	2150.2	2574.8
-27.5°	327.5	441.1	541.0	640.4	763.2	895.6	991.8	1059.3	1313.0	1813.3	2352.9
-30°	324.5	417.7	518.5	606.1	719.5	839.3	940.9	1034.2	1114.4	1515.0	1991.2
-32.5°	312.2	393.1	491.3	579.2	675.7	785.0	899.3	999.1	1086.2	1216.5	1647.9
-35°	295.7	372.7	461.8	550.4	631.2	736.6	848.9	958.1	1050.5	1131.4	1328.3
-37.5°	280.6	349.6	431.3	518.6	598.1	688.3	794.8	904.2	1003.5	1099.6	1188.6
-40°	263.4	323.9	402.2	484.4	563.6	642.5	738.7	841.9	946.7	1057.5	1164.6
-42.5°	243.6	302.5	371.2	448.7	523.9	601.1	680.0	777.1	882.5	999.7	1111.3
-45°	217.5	279.0	338.6	408.5	479.7	554.8	630.8	709.1	810.9	919.0	1035.8
-47.5°	189.1	251.7	309.7	365.6	432.7	502.7	576.6	653.5	733.9	832.4	937.3
-50°	159.5	217.8	276.7	327.2	383.4	448.0	515.9	592.3	668.9	746.2	835.5
-52.5°	130.7	181.5	236.7	289.2	337.6	391.7	454.7	523.9	597.1	671.3	740.3
-55°	100.2	146.3	194.0	245.2	294.3	340.2	391.0	453.1	518.7	587.5	650.7
-57.5°	75.6	110.3	152.8	197.4	244.9	291.4	335.8	380.9	437.4	498.2	552.3
-60°	54.3	79.6	112.0	151.4	192.0	235.9	280.6	322.5	363.8	403.7	452.2
-62.5°	35.6	55.3	78.2	105.8	141.8	178.9	218.4	258.8	299.1	333.6	365.6
-65°	31.2	35.8	51.3	71.9	92.4	125.8	159.4	191.6	226.9	258.6	289.4
-67.5°	26.7	30.9	35.0	42.2	60.7	81.4	103.1	132.6	160.6	183.5	206.3
-70°	23.7	26.1	29.6	33.2	37.1	45.5	63.7	82.6	101.4	119.0	138.5
-72.5°	20.9	23.1	25.3	27.5	30.8	34.8	38.9	43.1	53.6	67.7	81.1
-75°	18.5	20.1	22.0	24.0	26.0	28.4	31.0	34.5	37.9	40.9	43.5
-77.5°	16.4	17.6	18.9	20.4	22.1	23.9	25.8	27.9	30.0	32.3	34.7
-80°	14.3	15.0	15.8	16.8	18.2	19.6	21.0	22.4	23.6	25.2	26.8
-82.5°	12.3	12.8	13.3	13.8	14.6	15.6	16.7	17.9	18.2	18.7	19.2
-85°	10.5	10.7	11.0	11.3	11.7	12.2	12.8	13.4	13.5	13.6	13.6
-87.5°	9.6	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.3	10.5	10.6
-90°	8.1	7.5	7.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.7	11.2	11.8	12.3	12.9	17.7	22.5	27.4	32.2	40.3	48.3
87.5°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	2.1	2.1
85°	6.4	5.9	5.4	4.8	4.3	4.2	4.2	4.1	4.2	3.7	3.2
82.5°	6.4	5.9	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.2
80°	6.5	6.1	5.9	5.7	5.6	5.4	5.1	4.8	4.3	4.3	4.2
77.5°	6.7	6.8	6.8	6.7	6.5	6.0	5.4	4.9	4.4	4.3	4.3
75°	8.4	8.6	8.8	8.5	7.7	7.2	6.8	6.5	6.1	5.7	5.3
72.5°	15.0	15.2	14.5	13.9	12.6	12.0	12.1	11.9	11.6	11.4	11.2
70°	27.6	28.1	27.0	24.3	20.6	18.1	16.9	15.4	13.6	12.8	12.8
67.5°	39.2	36.0	32.4	28.8	24.1	20.2	17.9	15.7	13.7	12.6	12.1
65°	43.0	35.1	29.3	24.7	21.2	18.2	15.8	13.4	11.1	9.6	9.2
62.5°	37.3	27.9	22.2	18.7	16.2	14.6	12.2	10.1	8.2	7.2	7.5
60°	30.3	20.6	15.3	13.3	11.8	10.7	9.4	8.1	7.1	6.4	6.6
57.5°	22.7	15.0	10.7	10.4	9.9	9.0	8.2	7.6	7.0	6.4	6.4
55°	15.7	12.4	10.8	10.2	9.6	9.0	8.4	7.7	7.1	6.4	6.4
52.5°	12.3	11.2	10.8	10.3	9.7	9.1	8.5	7.9	7.2	6.5	6.4
50°	11.2	10.8	10.9	10.5	9.9	9.3	8.7	8.3	8.1	7.8	8.0
47.5°	11.5	11.8	11.6	10.8	10.4	10.5	10.5	10.5	10.6	10.2	10.0
45°	13.2	13.2	13.0	12.9	12.4	13.6	14.3	14.4	16.8	15.9	13.4
42.5°	16.3	17.1	18.1	19.2	17.7	22.6	30.4	35.7	30.5	24.1	20.3
40°	24.8	25.4	30.8	33.7	39.9	47.1	42.9	35.8	31.9	34.1	35.3
37.5°	39.1	45.6	54.6	64.6	62.2	51.5	52.8	52.7	50.8	55.2	55.5
35°	63.8	79.9	87.5	89.9	85.5	82.2	85.2	88.1	81.5	91.9	95.2
32.5°	104.3	124.0	128.4	123.8	124.3	131.5	136.9	146.7	156.5	172.2	190.9
30°	153.9	175.1	185.2	175.9	177.9	195.0	206.0	228.3	263.9	304.6	355.4
27.5°	228.0	243.7	261.8	264.3	255.8	280.9	320.1	343.6	439.3	502.7	617.0
25°	325.8	350.2	366.1	393.0	407.4	437.7	512.9	585.3	732.5	875.8	1118.9
22.5°	454.2	532.5	561.3	557.2	641.9	723.3	787.5	990.2	1280.0	1704.3	2181.8
20°	623.8	784.8	921.6	966.0	996.1	1211.0	1432.2	2061.5	2783.0	3987.0	4923.2
17.5°	1124.3	1177.2	1477.8	1722.4	1838.7	2294.1	3326.3	4910.5	7633.4	11359.1	13649.8
15°	1876.9	2028.1	2329.5	2847.0	3487.5	4694.4	6417.4	11468.0	18451.5	26083.0	33348.7
12.5°	2708.1	3023.5	3575.6	4337.8	5354.6	8798.2	14358.8	23861.1	36789.7	50011.7	66874.9
10°	3479.4	4113.8	5020.0	6306.4	8917.1	14800.2	24159.8	40312.3	63213.1	87092.1	110948.1
7.5°	4108.6	5016.3	6341.4	8268.3	12947.5	22392.6	37742.5	61541.1	90903.4	121625.0	153970.1
5°	4744.0	5893.0	7489.1	9820.6	15588.6	28258.4	48675.4	81256.4	119148.8	157859.0	198620.9
2.5°	5294.9	6639.0	8486.8	11210.8	17364.7	31433.1	55270.9	95390.0	139879.5	186202.4	238119.3
0°	5702.0	7070.5	9034.2	11868.0	19114.8	33904.7	59131.8	99567.7	144818.4	192641.8	245703.1
-2.5°	5645.3	6883.0	8662.9	11475.1	18506.6	33458.8	56720.2	96128.0	140415.3	185245.3	232568.9
-5°	5387.4	6463.7	8058.6	10575.9	16406.6	29029.7	50899.9	87218.5	128399.8	169367.1	211473.5
-7.5°	4994.3	5925.5	7323.4	9486.0	13985.1	23924.9	42100.2	70510.4	105915.3	140928.5	173409.7
-10°	4588.2	5346.7	6479.8	8188.5	11397.9	18343.2	31196.0	52434.9	81878.4	110712.7	135604.0
-12.5°	4206.5	4771.3	5577.1	6766.9	8745.0	13732.1	23436.7	38932.4	58599.8	80768.9	102322.2
-15°	3850.4	4268.2	4846.8	5806.4	7389.5	10347.6	15616.0	25942.5	39776.4	55250.9	70149.9
-17.5°	3524.1	3868.4	4320.0	4995.6	5976.5	7805.8	11496.5	17400.5	25752.8	36759.9	47048.8
-20°	3231.5	3543.5	3881.3	4387.4	5140.7	6217.4	8034.4	11699.5	16519.3	23457.1	30261.4



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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°	3002.5	3247.5	3510.0	3897.2	4525.2	5288.7	6191.9	7693.5	10346.3	13904.9	17935.0
-25°	2793.2	2974.6	3247.0	3663.7	4093.9	4603.1	5150.8	5753.1	6930.2	8074.7	10184.7
-27.5°	2594.2	2785.6	3069.4	3445.4	3837.8	4075.7	4426.0	4797.9	5361.0	5857.9	6698.5
-30°	2428.3	2629.2	2870.1	3187.4	3517.8	3741.8	3924.1	4193.2	4505.5	4817.1	5178.8
-32.5°	2116.3	2499.7	2666.6	2908.6	3206.1	3441.8	3603.1	3803.1	3969.9	4163.6	4360.1
-35°	1775.1	2197.9	2543.3	2699.8	2905.5	3167.6	3397.0	3557.5	3686.8	3806.3	3918.9
-37.5°	1389.0	1828.7	2205.8	2523.2	2711.5	2887.1	3130.3	3346.4	3501.9	3584.1	3657.3
-40°	1242.0	1369.0	1767.4	2131.5	2414.8	2689.8	2879.3	3091.1	3270.9	3384.4	3469.3
-42.5°	1216.9	1282.1	1333.6	1609.5	1953.4	2248.0	2498.8	2745.9	2965.5	3128.3	3259.8
-45°	1148.9	1226.5	1298.9	1349.9	1402.8	1663.3	1943.3	2216.2	2464.0	2685.7	2879.5
-47.5°	1039.2	1131.8	1209.1	1283.1	1340.7	1386.1	1438.6	1525.5	1757.6	1985.4	2201.8
-50°	920.0	1003.9	1087.7	1167.3	1229.8	1284.7	1335.3	1378.5	1422.0	1467.6	1510.9
-52.5°	802.1	877.1	951.6	1021.5	1088.1	1150.8	1209.1	1251.9	1288.6	1320.9	1345.2
-55°	709.3	765.1	819.4	878.7	937.8	993.2	1043.8	1090.2	1132.3	1169.9	1198.9
-57.5°	606.9	661.6	713.6	757.9	801.1	842.8	885.8	926.9	963.2	994.7	1020.2
-60°	499.9	546.6	592.9	636.6	678.1	717.3	752.5	785.0	814.2	839.3	858.2
-62.5°	396.6	433.5	475.1	513.1	546.5	578.5	614.8	647.5	676.5	700.6	718.5
-65°	318.4	344.9	374.8	404.3	433.2	464.3	495.9	524.0	548.7	568.9	584.9
-67.5°	232.1	258.1	287.2	313.6	337.9	364.3	394.5	422.3	447.7	468.2	484.8
-70°	156.5	175.0	197.9	222.5	246.4	271.4	299.1	325.7	351.1	370.5	386.4
-72.5°	93.9	106.0	118.3	134.3	151.2	171.8	195.0	218.3	241.4	258.1	271.2
-75°	46.0	50.9	61.0	70.3	78.8	89.8	101.5	112.6	122.9	130.5	136.7
-77.5°	37.2	39.5	41.9	44.1	46.2	51.1	56.9	62.8	69.0	73.8	78.5
-80°	28.6	30.1	31.6	33.3	35.0	38.7	42.7	46.8	50.8	53.8	56.7
-82.5°	19.9	20.7	21.4	22.1	22.7	25.4	28.2	30.8	33.4	35.8	38.2
-85°	13.5	13.7	13.8	14.0	14.2	16.9	19.7	22.5	25.3	27.6	29.9
-87.5°	10.7	10.8	10.8	10.9	10.9	13.2	15.4	17.6	19.7	21.9	24.0
-90°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	1.6	1.1



REPORT NUMBER: P701709 (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°	56.4	64.5	59.1	53.7	59.1	64.5	56.4	48.3	40.3	32.2	27.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.1
82.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
80°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	4.8
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.9
75°	4.8	4.3	5.3	6.4	5.3	4.3	4.8	5.3	5.7	6.1	6.5
72.5°	10.9	10.6	10.7	10.7	10.7	10.6	10.9	11.2	11.4	11.6	11.9
70°	12.8	12.8	12.9	12.9	12.9	12.8	12.8	12.8	12.8	13.6	15.4
67.5°	11.5	10.9	10.7	10.7	10.7	10.9	11.5	12.1	12.6	13.7	15.7
65°	8.9	8.7	8.6	8.6	8.6	8.7	8.9	9.2	9.6	11.1	13.4
62.5°	7.9	8.5	8.6	8.6	8.6	8.5	7.9	7.5	7.2	8.2	10.1
60°	6.6	6.5	6.4	6.4	6.4	6.5	6.6	6.6	6.4	7.1	8.1
57.5°	6.4	6.4	7.3	8.6	7.3	6.4	6.4	6.4	6.4	7.0	7.6
55°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.1	7.7
52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	7.2	7.9
50°	8.2	8.4	8.6	8.6	8.6	8.4	8.2	8.0	7.8	8.1	8.3
47.5°	10.3	10.5	10.0	8.6	10.0	10.5	10.3	10.0	10.2	10.6	10.5
45°	13.4	13.1	12.8	12.9	12.8	13.1	13.4	13.4	15.9	16.8	14.4
42.5°	20.9	21.2	21.3	21.5	21.3	21.2	20.9	20.3	24.1	30.5	35.7
40°	37.2	38.0	38.3	38.7	38.3	38.0	37.2	35.3	34.1	31.9	35.8
37.5°	56.2	57.2	57.5	58.0	57.5	57.2	56.2	55.5	55.2	50.8	52.7
35°	94.8	94.5	91.3	92.4	91.3	94.5	94.8	95.2	91.9	81.5	88.1
32.5°	203.7	205.2	194.7	178.3	194.7	205.2	203.7	190.9	172.2	156.5	146.7
30°	393.6	427.2	450.0	451.2	450.0	427.2	393.6	355.4	304.6	263.9	228.3
27.5°	693.3	745.7	768.0	779.9	768.0	745.7	693.3	617.0	502.7	439.3	343.6
25°	1309.9	1430.1	1495.0	1445.9	1495.0	1430.1	1309.9	1118.9	875.8	732.5	585.3
22.5°	2635.8	2865.6	3061.4	3072.3	3061.4	2865.6	2635.8	2181.8	1704.3	1280.0	990.2
20°	6224.7	6172.5	6667.6	6419.6	6667.6	6172.5	6224.7	4923.2	3987.0	2783.0	2061.5
17.5°	17656.0	19609.0	20688.3	19211.4	20688.3	19609.0	17656.0	13649.8	11359.1	7633.4	4910.5
15°	40590.3	45462.4	48758.9	48338.0	48758.9	45462.4	40590.3	33348.7	26083.0	18451.5	11468.0
12.5°	76320.3	84326.5	91150.6	90864.4	91150.6	84326.5	76320.3	66874.9	50011.7	36789.7	23861.1
10°	132201.8	146160.0	159168.2	160523.5	159168.2	146160.0	132201.8	110948.1	87092.1	63213.1	40312.3
7.5°	183686.2	215118.3	233854.5	238661.6	233854.5	215118.3	183686.2	153970.1	121625.0	90903.4	61541.1
5°	248153.5	284553.2	304244.9	304770.4	304244.9	284553.2	248153.5	198620.9	157859.0	119148.8	81256.4
2.5°	295877.2	336879.0	361057.6	379765.3	361057.6	336879.0	295877.2	238119.3	186202.4	139879.5	95390.0
0°	310070.6	345429.8	384883.9	406819.6	384883.9	345429.8	310070.6	245703.1	192641.8	144818.4	99567.7
-2.5°	291052.2	328072.7	347658.1	365500.6	347658.1	328072.7	291052.2	232568.9	185245.3	140415.3	96128.0
-5°	254922.0	294132.8	312950.4	316967.1	312950.4	294132.8	254922.0	211473.5	169367.1	128399.8	87218.5
-7.5°	202841.9	230439.8	249490.6	256962.0	249490.6	230439.8	202841.9	173409.7	140928.5	105915.3	70510.4
-10°	158751.5	176572.4	186105.9	192445.2	186105.9	176572.4	158751.5	135604.0	110712.7	81878.4	52434.9
-12.5°	119694.0	132576.6	140053.4	143307.9	140053.4	132576.6	119694.0	102322.2	80768.9	58599.8	38932.4
-15°	85197.5	95391.3	100454.1	103677.7	100454.1	95391.3	85197.5	70149.9	55250.9	39776.4	25942.5
-17.5°	58371.6	66568.1	71240.0	74278.3	71240.0	66568.1	58371.6	47048.8	36759.9	25752.8	17400.5
-20°	37347.6	42228.1	45822.9	46870.6	45822.9	42228.1	37347.6	30261.4	23457.1	16519.3	11699.5



REPORT NUMBER: P701709 (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°	21821.1	24694.6	26505.0	26915.8	26505.0	24694.6	21821.1	17935.0	13904.9	10346.3	7693.5
-25°	11864.6	13116.6	14066.3	14388.2	14066.3	13116.6	11864.6	10184.7	8074.7	6930.2	5753.1
-27.5°	7286.0	7770.1	8121.0	8301.6	8121.0	7770.1	7286.0	6698.5	5857.9	5361.0	4797.9
-30°	5480.3	5701.1	5832.9	5921.1	5832.9	5701.1	5480.3	5178.8	4817.1	4505.5	4193.2
-32.5°	4499.4	4598.3	4657.8	4698.7	4657.8	4598.3	4499.4	4360.1	4163.6	3969.9	3803.1
-35°	4007.9	4072.0	4116.1	4137.9	4116.1	4072.0	4007.9	3918.9	3806.3	3686.8	3557.5
-37.5°	3711.7	3752.2	3781.6	3798.5	3781.6	3752.2	3711.7	3657.3	3584.1	3501.9	3346.4
-40°	3509.8	3538.2	3561.7	3587.9	3561.7	3538.2	3509.8	3469.3	3384.4	3270.9	3091.1
-42.5°	3325.8	3367.8	3389.0	3394.5	3389.0	3367.8	3325.8	3259.8	3128.3	2965.5	2745.9
-45°	3028.0	3144.9	3216.8	3239.9	3216.8	3144.9	3028.0	2879.5	2685.7	2464.0	2216.2
-47.5°	2400.8	2575.8	2708.0	2788.7	2708.0	2575.8	2400.8	2201.8	1985.4	1757.6	1525.5
-50°	1551.3	1588.3	1602.9	1594.1	1602.9	1588.3	1551.3	1510.9	1467.6	1422.0	1378.5
-52.5°	1364.5	1379.3	1391.7	1400.8	1391.7	1379.3	1364.5	1345.2	1320.9	1288.6	1251.9
-55°	1221.6	1238.4	1254.2	1267.6	1254.2	1238.4	1221.6	1198.9	1169.9	1132.3	1090.2
-57.5°	1041.6	1058.6	1064.9	1063.5	1064.9	1058.6	1041.6	1020.2	994.7	963.2	926.9
-60°	873.7	885.7	894.7	900.2	894.7	885.7	873.7	858.2	839.3	814.2	785.0
-62.5°	732.6	743.1	754.8	764.8	754.8	743.1	732.6	718.5	700.6	676.5	647.5
-65°	598.3	609.4	618.3	625.2	618.3	609.4	598.3	584.9	568.9	548.7	524.0
-67.5°	499.7	512.9	522.8	530.7	522.8	512.9	499.7	484.8	468.2	447.7	422.3
-70°	400.9	414.0	421.9	427.5	421.9	414.0	400.9	386.4	370.5	351.1	325.7
-72.5°	282.5	292.0	296.5	298.6	296.5	292.0	282.5	271.2	258.1	241.4	218.3
-75°	142.0	146.6	151.0	154.7	151.0	146.6	142.0	136.7	130.5	122.9	112.6
-77.5°	83.0	87.4	90.1	92.4	90.1	87.4	83.0	78.5	73.8	69.0	62.8
-80°	59.4	61.9	64.3	66.6	64.3	61.9	59.4	56.7	53.8	50.8	46.8
-82.5°	40.6	42.9	44.0	45.1	44.0	42.9	40.6	38.2	35.8	33.4	30.8
-85°	32.1	34.3	35.4	36.5	35.4	34.3	32.1	29.9	27.6	25.3	22.5
-87.5°	26.0	28.0	29.0	30.1	29.0	28.0	26.0	24.0	21.9	19.7	17.6
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.7



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.5	17.7	12.9	12.3	11.8	11.2	10.7	10.2	9.7	9.1	8.6
87.5°	3.2	3.8	4.3	4.8	5.4	5.9	6.4	6.4	6.4	6.4	6.4
85°	4.2	4.2	4.3	4.8	5.4	5.9	6.4	6.4	6.4	6.4	6.4
82.5°	4.3	4.3	4.3	4.9	5.4	5.9	6.4	6.6	6.7	6.8	6.7
80°	5.1	5.4	5.6	5.7	5.9	6.1	6.5	7.0	7.6	8.0	8.2
77.5°	5.4	6.0	6.5	6.7	6.8	6.8	6.7	7.1	7.6	8.2	8.6
75°	6.8	7.2	7.7	8.5	8.8	8.6	8.4	8.2	8.2	8.4	8.6
72.5°	12.1	12.0	12.6	13.9	14.5	15.2	15.0	13.9	12.3	10.1	8.6
70°	16.9	18.1	20.6	24.3	27.0	28.1	27.6	25.5	22.0	19.2	15.4
67.5°	17.9	20.2	24.1	28.8	32.4	36.0	39.2	41.9	40.7	36.8	26.5
65°	15.8	18.2	21.2	24.7	29.3	35.1	43.0	47.8	50.3	51.0	42.3
62.5°	12.2	14.6	16.2	18.7	22.2	27.9	37.3	45.8	53.4	55.7	47.4
60°	9.4	10.7	11.8	13.3	15.3	20.6	30.3	40.6	51.3	51.5	47.7
57.5°	8.2	9.0	9.9	10.4	10.7	15.0	22.7	33.0	44.0	43.9	42.6
55°	8.4	9.0	9.6	10.2	10.8	12.4	15.7	22.4	31.5	33.8	33.6
52.5°	8.5	9.1	9.7	10.3	10.8	11.2	12.3	16.2	19.6	23.2	24.8
50°	8.7	9.3	9.9	10.5	10.9	10.8	11.2	12.3	14.3	16.5	18.1
47.5°	10.5	10.5	10.4	10.8	11.6	11.8	11.5	11.3	12.6	13.1	14.7
45°	14.3	13.6	12.4	12.9	13.0	13.2	13.2	13.8	13.3	13.4	12.9
42.5°	30.4	22.6	17.7	19.2	18.1	17.1	16.3	17.7	17.0	15.4	16.5
40°	42.9	47.1	39.9	33.7	30.8	25.4	24.8	23.5	22.6	19.9	22.9
37.5°	52.8	51.5	62.2	64.6	54.6	45.6	39.1	34.1	30.3	31.0	32.8
35°	85.2	82.2	85.5	89.9	87.5	79.9	63.8	50.7	44.2	45.0	45.0
32.5°	136.9	131.5	124.3	123.8	128.4	124.0	104.3	78.2	67.6	63.4	59.7
30°	206.0	195.0	177.9	175.9	185.2	175.1	153.9	135.6	112.1	85.2	76.8
27.5°	320.1	280.9	255.8	264.3	261.8	243.7	228.0	209.4	169.6	127.8	103.3
25°	512.9	437.7	407.4	393.0	366.1	350.2	325.8	293.3	246.0	193.3	169.3
22.5°	787.5	723.3	641.9	557.2	561.3	532.5	454.2	386.3	369.2	369.5	292.0
20°	1432.2	1211.0	996.1	966.0	921.6	784.8	623.8	613.2	672.9	618.1	456.7
17.5°	3326.3	2294.1	1838.7	1722.4	1477.8	1177.2	1124.3	1068.4	1034.4	926.3	653.5
15°	6417.4	4694.4	3487.5	2847.0	2329.5	2028.1	1876.9	1588.5	1452.2	1269.0	946.6
12.5°	14358.8	8798.2	5354.6	4337.8	3575.6	3023.5	2708.1	2273.3	1927.0	1705.9	1384.8
10°	24159.8	14800.2	8917.1	6306.4	5020.0	4113.8	3479.4	2901.3	2427.4	2171.5	1836.1
7.5°	37742.5	22392.6	12947.5	8268.3	6341.4	5016.3	4108.6	3446.0	2910.5	2625.4	2290.9
5°	48675.4	28258.4	15588.6	9820.6	7489.1	5893.0	4744.0	3937.9	3375.7	3066.3	2737.3
2.5°	55270.9	31433.1	17364.7	11210.8	8486.8	6639.0	5294.9	4309.5	3707.1	3323.2	2964.4
0°	59131.8	33904.7	19114.8	11868.0	9034.2	7070.5	5702.0	4580.5	3968.2	3532.1	3160.4
-2.5°	56720.2	33458.8	18506.6	11475.1	8662.9	6883.0	5645.3	4664.3	4065.0	3604.0	3169.0
-5°	50899.9	29029.7	16406.6	10575.9	8058.6	6463.7	5387.4	4581.1	4041.4	3615.9	3137.0
-7.5°	42100.2	23924.9	13985.1	9486.0	7323.4	5925.5	4994.3	4305.1	3797.6	3426.9	2942.6
-10°	31196.0	18343.2	11397.9	8188.5	6479.8	5346.7	4588.2	3991.2	3549.1	3230.0	2718.3
-12.5°	23436.7	13732.1	8745.0	6766.9	5577.1	4771.3	4206.5	3660.7	3303.0	3030.5	2469.8
-15°	15616.0	10347.6	7389.5	5806.4	4846.8	4268.2	3850.4	3383.7	3118.0	2840.5	2201.8
-17.5°	11496.5	7805.8	5976.5	4995.6	4320.0	3868.4	3524.1	3186.0	2929.3	2600.1	1917.0
-20°	8034.4	6217.4	5140.7	4387.4	3881.3	3543.5	3231.5	2978.0	2720.2	2262.2	1628.3





REPORT NUMBER: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6191.9	5288.7	4525.2	3897.2	3510.0	3247.5	3002.5	2771.5	2492.9	1905.8	1345.9
-25°	5150.8	4603.1	4093.9	3663.7	3247.0	2974.6	2793.2	2574.8	2150.2	1569.0	1106.3
-27.5°	4426.0	4075.7	3837.8	3445.4	3069.4	2785.6	2594.2	2352.9	1813.3	1313.0	1059.3
-30°	3924.1	3741.8	3517.8	3187.4	2870.1	2629.2	2428.3	1991.2	1515.0	1114.4	1034.2
-32.5°	3603.1	3441.8	3206.1	2908.6	2666.6	2499.7	2116.3	1647.9	1216.5	1086.2	999.1
-35°	3397.0	3167.6	2905.5	2699.8	2543.3	2197.9	1775.1	1328.3	1131.4	1050.5	958.1
-37.5°	3130.3	2887.1	2711.5	2523.2	2205.8	1828.7	1389.0	1188.6	1099.6	1003.5	904.2
-40°	2879.3	2689.8	2414.8	2131.5	1767.4	1369.0	1242.0	1164.6	1057.5	946.7	841.9
-42.5°	2498.8	2248.0	1953.4	1609.5	1333.6	1282.1	1216.9	1111.3	999.7	882.5	777.1
-45°	1943.3	1663.3	1402.8	1349.9	1298.9	1226.5	1148.9	1035.8	919.0	810.9	709.1
-47.5°	1438.6	1386.1	1340.7	1283.1	1209.1	1131.8	1039.2	937.3	832.4	733.9	653.5
-50°	1335.3	1284.7	1229.8	1167.3	1087.7	1003.9	920.0	835.5	746.2	668.9	592.3
-52.5°	1209.1	1150.8	1088.1	1021.5	951.6	877.1	802.1	740.3	671.3	597.1	523.9
-55°	1043.8	993.2	937.8	878.7	819.4	765.1	709.3	650.7	587.5	518.7	453.1
-57.5°	885.8	842.8	801.1	757.9	713.6	661.6	606.9	552.3	498.2	437.4	380.9
-60°	752.5	717.3	678.1	636.6	592.9	546.6	499.9	452.2	403.7	363.8	322.5
-62.5°	614.8	578.5	546.5	513.1	475.1	433.5	396.6	365.6	333.6	299.1	258.8
-65°	495.9	464.3	433.2	404.3	374.8	344.9	318.4	289.4	258.6	226.9	191.6
-67.5°	394.5	364.3	337.9	313.6	287.2	258.1	232.1	206.3	183.5	160.6	132.6
-70°	299.1	271.4	246.4	222.5	197.9	175.0	156.5	138.5	119.0	101.4	82.6
-72.5°	195.0	171.8	151.2	134.3	118.3	106.0	93.9	81.1	67.7	53.6	43.1
-75°	101.5	89.8	78.8	70.3	61.0	50.9	46.0	43.5	40.9	37.9	34.5
-77.5°	56.9	51.1	46.2	44.1	41.9	39.5	37.2	34.7	32.3	30.0	27.9
-80°	42.7	38.7	35.0	33.3	31.6	30.1	28.6	26.8	25.2	23.6	22.4
-82.5°	28.2	25.4	22.7	22.1	21.4	20.7	19.9	19.2	18.7	18.2	17.9
-85°	19.7	16.9	14.2	14.0	13.8	13.7	13.5	13.6	13.6	13.5	13.4
-87.5°	15.4	13.2	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.3	10.1
-90°	3.2	3.8	4.3	4.8	5.4	5.9	6.4	6.4	6.4	6.4	6.4





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	6.8	7.1	7.4	7.7	7.8	8.1	8.3	8.6	8.6	8.6	8.6
85°	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.1	8.2	8.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	8.6	8.6	8.6	8.9	9.2	9.2	8.9	8.6	8.6	8.6	8.6
70°	11.8	9.2	8.6	8.8	9.3	9.9	9.8	9.3	8.6	8.6	8.6
67.5°	17.4	13.3	10.4	8.8	8.8	9.5	10.4	10.1	9.4	8.6	8.6
65°	30.4	20.3	12.7	10.5	9.1	8.8	9.6	10.5	10.1	9.3	8.6
62.5°	39.1	29.9	20.4	13.5	10.0	8.9	8.8	9.9	10.6	9.9	9.0
60°	43.0	34.4	27.4	20.2	13.2	9.1	8.8	9.4	10.3	10.6	9.6
57.5°	39.3	36.6	31.3	25.5	18.6	11.6	8.9	9.3	10.0	10.6	10.1
55°	33.2	32.2	33.0	28.6	22.8	16.0	10.3	9.5	9.9	10.5	10.6
52.5°	24.6	28.3	31.4	30.3	25.2	19.6	13.7	9.6	10.0	10.5	10.7
50°	18.1	23.5	29.4	30.7	27.3	21.8	16.5	11.6	10.2	10.6	10.8
47.5°	16.8	21.2	26.1	31.0	29.2	23.9	18.5	13.4	10.3	10.7	11.0
45°	17.3	21.0	24.6	29.0	31.0	25.5	20.3	14.8	11.4	10.9	11.2
42.5°	19.2	22.5	25.1	27.6	29.7	26.6	21.9	16.2	12.1	11.2	11.4
40°	24.8	25.3	26.7	29.1	28.7	27.2	22.6	17.5	12.6	11.7	11.7
37.5°	32.3	31.1	30.2	33.4	29.9	27.2	22.9	18.8	13.9	12.6	12.1
35°	43.2	39.5	37.6	40.2	36.0	28.0	22.9	19.6	16.1	13.5	12.4
32.5°	55.7	53.2	50.9	48.1	44.5	29.5	23.5	21.4	18.4	14.5	12.9
30°	74.8	77.8	67.2	57.0	54.2	37.4	26.5	23.8	20.8	15.6	13.4
27.5°	116.9	110.0	87.9	71.4	62.7	48.2	33.0	26.6	23.3	17.0	14.3
25°	171.3	152.9	119.6	89.0	71.9	78.0	40.7	29.9	25.7	18.9	15.1
22.5°	237.0	205.3	156.6	108.3	113.4	117.1	57.3	36.1	28.2	20.9	16.0
20°	311.0	265.7	211.2	180.1	165.7	154.3	86.0	42.8	30.9	22.9	16.8
17.5°	404.1	378.3	343.1	273.9	225.4	195.3	119.6	50.1	33.8	24.8	17.6
15°	661.7	551.6	489.2	378.9	289.1	239.5	157.0	57.7	36.8	26.7	18.6
12.5°	972.4	728.4	645.8	492.4	355.9	286.1	196.8	65.5	39.9	28.8	19.7
10°	1305.1	907.2	809.7	611.4	424.6	334.1	237.9	75.1	44.9	31.0	21.0
7.5°	1648.8	1086.9	977.1	732.9	492.9	382.0	283.2	88.5	50.5	33.2	22.3
5°	1958.6	1238.4	1111.2	836.3	554.1	427.9	327.3	101.8	56.1	35.2	23.5
2.5°	2107.8	1344.4	1217.7	931.5	612.8	471.9	368.0	114.7	61.5	37.0	24.7
0°	2225.8	1445.9	1314.9	1018.4	668.2	513.5	403.9	126.8	66.6	38.7	25.8
-2.5°	2237.2	1443.3	1301.9	1017.1	687.9	530.0	411.5	145.2	81.9	49.1	30.8
-5°	2214.1	1435.0	1280.3	1007.0	703.1	543.3	413.5	162.2	96.4	59.1	35.5
-7.5°	2083.5	1387.3	1238.2	987.0	713.5	552.7	410.6	177.7	110.0	68.3	39.8
-10°	1904.9	1315.0	1171.0	942.1	701.8	551.4	403.2	191.6	122.4	76.7	43.6
-12.5°	1696.8	1241.1	1103.1	893.9	683.3	541.1	390.3	204.3	133.5	83.8	46.8
-15°	1460.5	1166.8	1036.7	844.2	661.5	528.8	375.9	215.3	143.6	90.4	49.3
-17.5°	1205.4	1093.1	973.9	794.4	636.6	515.0	360.8	224.0	152.3	96.5	52.0
-20°	1128.1	1036.0	914.8	746.0	609.0	499.9	346.1	230.5	159.5	101.2	54.6



REPORT NUMBER: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1083.9	990.4	862.7	708.5	582.8	483.7	332.3	234.6	165.0	104.1	56.0
-25°	1040.9	944.5	812.9	675.7	561.5	460.5	327.3	236.2	168.8	105.3	56.2
-27.5°	991.8	895.6	763.2	640.4	541.0	441.1	327.5	239.5	170.5	104.5	54.9
-30°	940.9	839.3	719.5	606.1	518.5	417.7	324.5	240.6	169.3	102.7	52.2
-32.5°	899.3	785.0	675.7	579.2	491.3	393.1	312.2	239.5	165.4	99.5	50.2
-35°	848.9	736.6	631.2	550.4	461.8	372.7	295.7	236.1	158.9	94.1	47.7
-37.5°	794.8	688.3	598.1	518.6	431.3	349.6	280.6	220.2	149.7	86.6	43.9
-40°	738.7	642.5	563.6	484.4	402.2	323.9	263.4	200.8	138.9	76.9	38.8
-42.5°	680.0	601.1	523.9	448.7	371.2	302.5	243.6	179.2	122.0	68.4	32.5
-45°	630.8	554.8	479.7	408.5	338.6	279.0	217.5	156.1	103.1	59.7	27.7
-47.5°	576.6	502.7	432.7	365.6	309.7	251.7	189.1	133.4	83.0	49.2	26.4
-50°	515.9	448.0	383.4	327.2	276.7	217.8	159.5	109.1	68.5	36.4	24.8
-52.5°	454.7	391.7	337.6	289.2	236.7	181.5	130.7	84.3	53.3	30.6	22.9
-55°	391.0	340.2	294.3	245.2	194.0	146.3	100.2	66.5	37.5	27.8	20.9
-57.5°	335.8	291.4	244.9	197.4	152.8	110.3	75.6	48.0	31.3	24.9	19.6
-60°	280.6	235.9	192.0	151.4	112.0	79.6	54.3	33.9	27.9	22.2	18.1
-62.5°	218.4	178.9	141.8	105.8	78.2	55.3	35.6	30.1	24.5	20.4	16.5
-65°	159.4	125.8	92.4	71.9	51.3	35.8	31.2	26.1	22.1	18.5	15.1
-67.5°	103.1	81.4	60.7	42.2	35.0	30.9	26.7	23.3	19.9	16.6	14.0
-70°	63.7	45.5	37.1	33.2	29.6	26.1	23.7	20.8	17.7	15.3	12.9
-72.5°	38.9	34.8	30.8	27.5	25.3	23.1	20.9	18.5	16.3	14.0	11.8
-75°	31.0	28.4	26.0	24.0	22.0	20.1	18.5	16.9	14.8	12.7	11.4
-77.5°	25.8	23.9	22.1	20.4	18.9	17.6	16.4	15.2	13.4	12.1	11.1
-80°	21.0	19.6	18.2	16.8	15.8	15.0	14.3	13.5	12.3	11.4	10.9
-82.5°	16.7	15.6	14.6	13.8	13.3	12.8	12.3	11.8	11.2	10.7	10.5
-85°	12.8	12.2	11.7	11.3	11.0	10.7	10.5	10.4	10.2	10.0	9.9
-87.5°	10.0	9.9	9.9	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.2
-90°	6.4	6.4	6.4	6.4	7.0	7.5	8.1	8.6	8.6	8.6	8.6



REPORT NUMBER: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
70°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
67.5°	8.7	8.6	8.6	8.6	8.6	8.6	8.6
65°	8.7	8.7	8.6	8.6	8.6	8.6	8.6
62.5°	8.9	8.8	8.6	8.6	8.6	8.6	8.6
60°	9.0	9.0	8.6	8.6	8.6	8.6	8.6
57.5°	9.4	9.2	8.8	8.6	8.6	8.6	8.6
55°	9.8	9.4	9.0	8.6	8.7	8.6	8.6
52.5°	10.2	9.7	9.2	8.6	8.7	8.6	8.6
50°	10.5	9.9	9.5	8.6	8.7	8.6	8.6
47.5°	10.7	10.1	9.7	8.6	8.8	8.6	8.6
45°	10.9	10.3	10.0	8.8	8.9	8.6	8.6
42.5°	11.1	10.5	10.2	9.0	8.9	8.6	8.6
40°	11.4	10.6	10.4	9.3	9.0	8.6	8.6
37.5°	11.6	10.7	10.5	9.5	9.1	8.6	8.6
35°	11.9	10.8	10.6	9.7	9.2	8.6	8.6
32.5°	12.3	11.1	10.6	9.9	9.3	8.6	8.6
30°	12.6	11.3	10.7	10.1	9.4	8.6	8.6
27.5°	13.0	11.6	10.7	10.2	9.5	8.6	8.6
25°	13.3	11.8	10.7	10.3	9.6	8.6	8.6
22.5°	13.7	12.1	10.7	10.4	9.7	8.6	8.6
20°	14.1	12.2	10.7	10.5	9.8	8.6	8.6
17.5°	14.4	12.4	10.7	10.6	9.9	8.6	8.6
15°	14.6	12.5	10.7	10.6	10.0	8.6	8.6
12.5°	14.7	12.6	10.7	10.7	10.2	8.6	8.6
10°	14.8	12.7	10.7	10.7	10.3	8.6	8.6
7.5°	14.9	12.8	10.7	10.7	10.4	8.6	8.6
5°	15.0	12.9	10.7	10.7	10.5	8.6	8.6
2.5°	15.0	12.9	10.7	10.7	10.6	8.6	8.6
0°	15.0	12.9	10.7	10.7	10.7	8.6	8.6
-2.5°	17.0	13.4	10.9	10.7	10.7	8.6	8.6
-5°	18.9	13.8	11.1	10.7	10.7	8.6	8.6
-7.5°	20.7	14.2	11.3	10.7	10.7	8.6	8.6
-10°	22.3	14.6	11.4	10.7	10.6	8.6	8.6
-12.5°	23.7	14.9	11.6	10.7	10.6	8.6	8.6
-15°	24.8	15.1	11.7	10.7	10.6	8.6	8.6
-17.5°	25.5	15.3	11.8	10.7	10.5	8.6	8.6
-20°	26.2	15.4	11.8	10.7	10.4	8.6	8.6



REPORT NUMBER: P701709 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.0	15.4	11.9	10.7	10.4	8.6	8.6
-25°	27.2	15.6	11.9	10.7	10.3	8.6	8.6
-27.5°	26.6	15.7	11.8	10.7	10.2	8.6	8.6
-30°	25.2	15.7	11.7	10.7	10.1	8.6	8.6
-32.5°	23.1	15.6	11.8	10.7	10.0	8.6	8.6
-35°	22.1	15.3	11.7	10.7	9.9	8.6	8.6
-37.5°	21.8	15.1	11.6	10.7	9.8	8.6	8.6
-40°	21.2	14.9	11.5	10.7	9.7	8.6	8.6
-42.5°	20.5	14.7	11.4	10.7	9.6	8.6	8.6
-45°	19.6	14.4	11.4	10.7	9.5	8.6	8.6
-47.5°	18.4	14.0	11.4	10.7	9.3	8.6	8.6
-50°	17.7	13.5	11.4	10.6	9.2	8.6	8.6
-52.5°	17.0	13.0	11.2	10.4	9.1	8.6	8.6
-55°	16.1	12.6	11.1	10.2	8.9	8.6	8.6
-57.5°	15.1	12.3	10.9	10.0	8.8	8.6	8.6
-60°	14.1	11.9	10.7	9.8	8.6	8.6	8.6
-62.5°	13.4	11.5	10.5	9.6	8.6	8.6	8.6
-65°	12.6	11.0	10.3	9.4	8.6	8.6	8.6
-67.5°	11.7	10.6	10.1	9.3	8.6	8.6	8.6
-70°	10.8	10.5	10.0	9.1	8.6	8.6	8.6
-72.5°	10.7	10.4	9.8	9.0	8.6	8.6	8.6
-75°	10.7	10.3	9.6	9.0	8.6	8.6	8.6
-77.5°	10.6	10.2	9.5	8.9	8.6	8.6	8.6
-80°	10.7	9.9	9.3	8.9	8.6	8.6	8.6
-82.5°	10.2	9.6	9.1	8.8	8.6	8.6	8.6
-85°	9.7	9.3	9.0	8.7	8.6	8.6	8.6
-87.5°	9.1	8.9	8.8	8.7	8.6	8.6	8.6
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



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

Scaled Data Report

