

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: P731702 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-4S-CV1**

Issue Date: 11/16/2023

**Test Information**

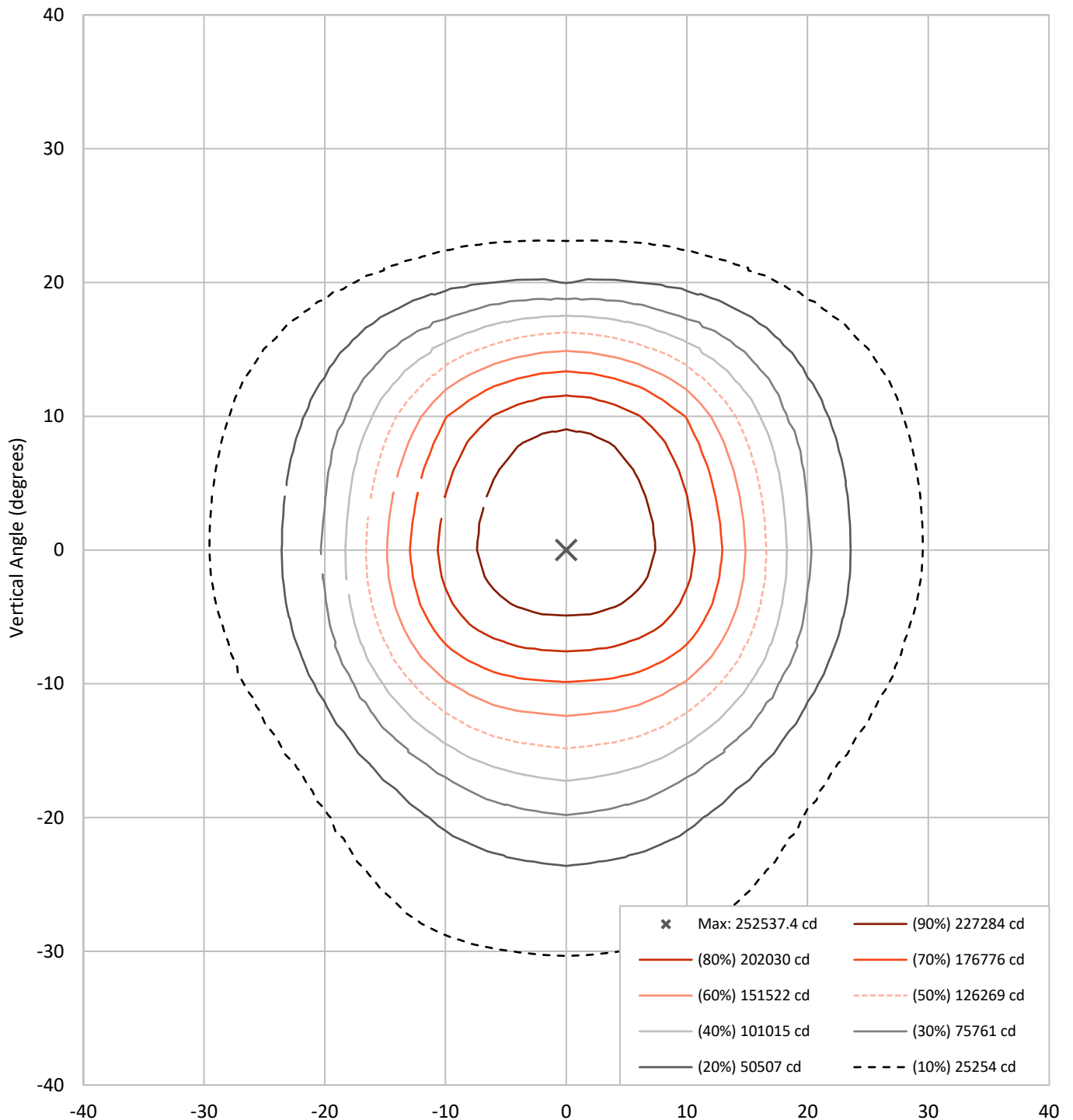
Test Method: LM-79-08  
Report Number: P731702 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-70-4S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	86044.7 lumens	Max Intensity:	252537.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	47026.8 lumens	Field Lumens:	75775.4 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%
Input Watts (W):	697.2		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





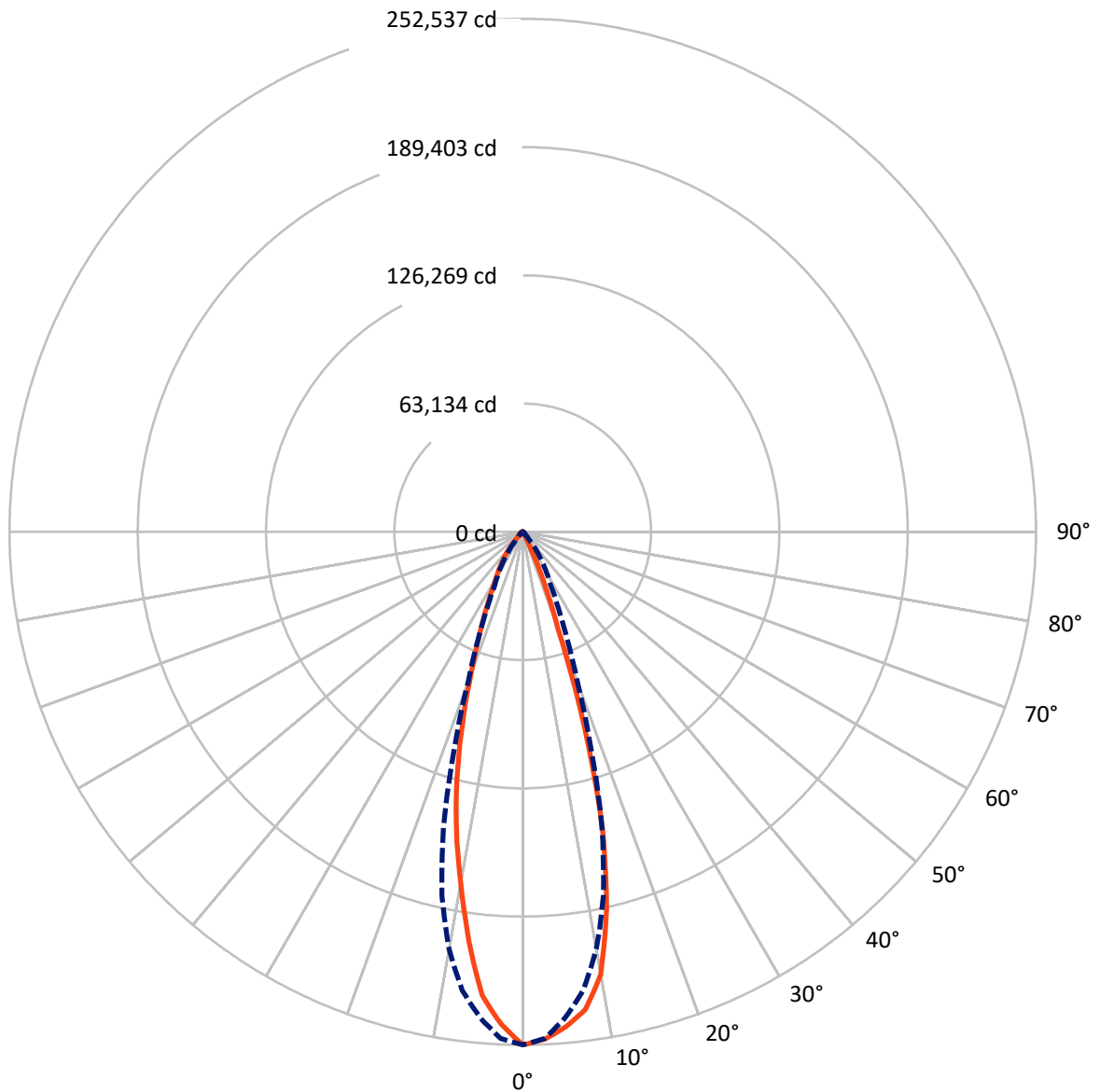
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### Lumen Table

90	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.1	0.1	0.1	0.1	0.1
60		0.1	0.3	0.9	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.3	0.1			
50	0.1	0.1	0.4	0.6	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.7	0.6	0.4	0.1	0.1	0.1	0.1
40		0.2	0.9	2.5	4.7	8.1	12.3	15.2	15.2	12.3	8.1	4.7	2.5	0.9	0.2			
30	0.1	0.5	4.2	12.9	51.1	159.5	319.3	518.5	518.5	319.3	159.5	51.1	12.9	4.2	0.5	0.1	0.1	0.1
20		1.3	9.6	31.2	211.1	721.0	2151.7	4011.5	4011.5	2151.7	721.0	211.1	31.2	9.6	1.3			
10	0.3	2.1	13.1	44.6	328.9	1171.4	4016.9	6880.2	6880.2	4016.9	1171.4	328.9	44.6	13.1	2.1	0.3	0.3	0.3
0		2.7	14.0	45.8	324.7	1130.0	3888.0	6404.3	6404.3	3888.0	1130.0	324.7	45.8	14.0	2.7			
-10	0.5	3.3	13.4	35.3	193.0	638.5	1962.1	3497.5	3497.5	1962.1	638.5	193.0	35.3	13.4	3.3	0.5	0.5	0.5
-20		3.3	12.9	27.3	90.9	346.1	797.3	1272.0	1272.0	797.3	346.1	90.9	27.3	12.9	3.3			
-30	0.4	2.7	11.6	23.3	44.9	128.6	321.9	489.1	489.1	321.9	128.6	44.9	23.3	11.6	2.7	0.4	0.4	0.4
-40		1.8	8.4	19.9	33.5	51.2	77.8	105.7	105.7	77.8	51.2	33.5	19.9	8.4	1.8			
-50	0.2	0.9	4.3	13.0	25.2	36.3	46.6	53.4	53.4	46.6	36.3	25.2	13.0	4.3	0.9	0.2	0.2	0.2
-60		0.4	1.5	4.6	10.1	16.9	23.8	27.6	27.6	23.8	16.9	10.1	4.6	1.5	0.4			
-70	0.1	0.8	3.2	8.1	10.7	8.1	3.2	0.8	0.1	0.1	3.2	8.1	10.7	8.1	3.2	0.1	0.1	0.1
-80		0.1	0.8	3.2	8.1	10.7	8.1	3.2	0.8	0.1	0.1	3.2	8.1	10.7	8.1			
-90	0.1		0.8		3.2		8.1		10.7		8.1		3.2		0.8		0.1	

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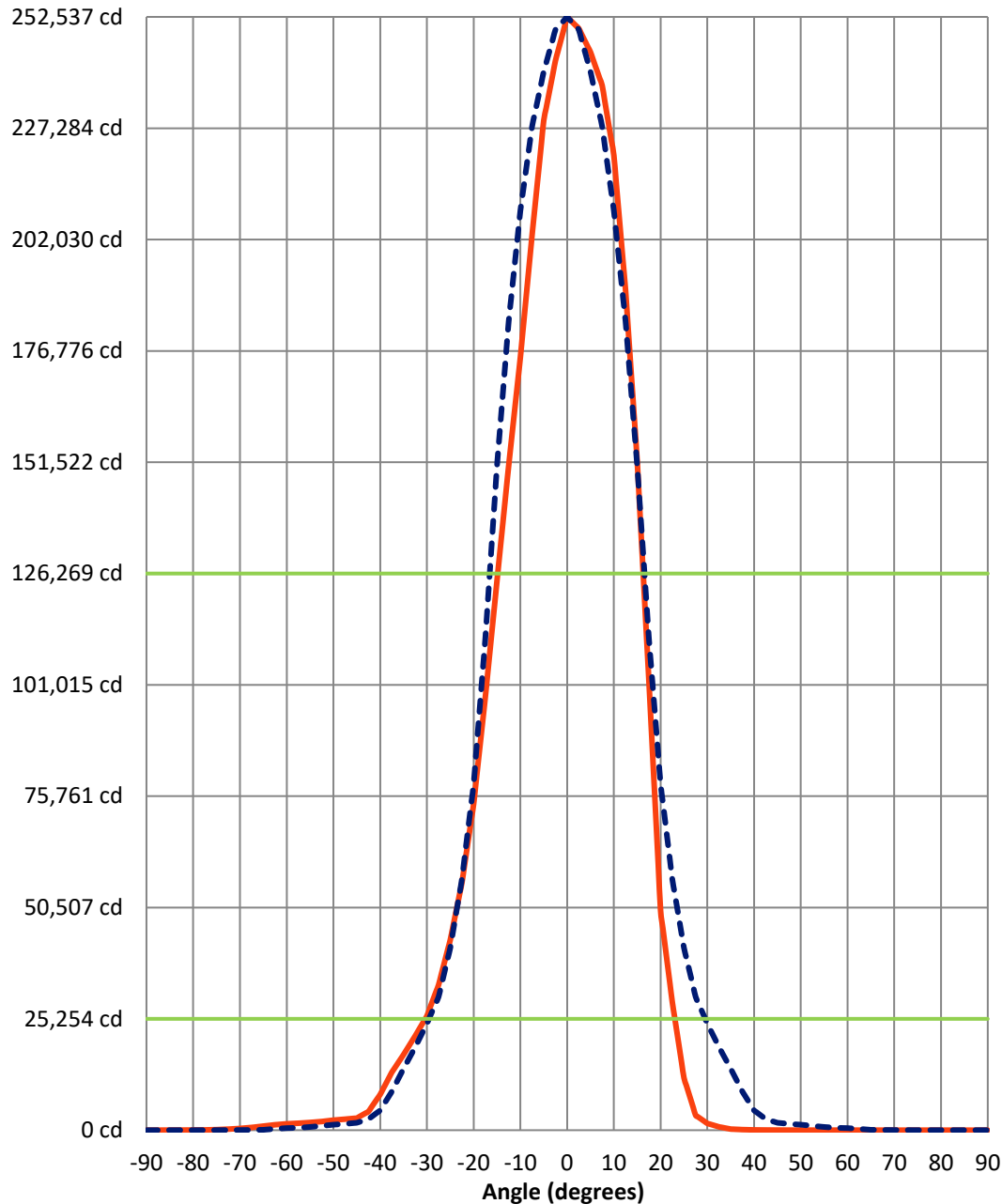
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 31.1°  
 Lumens: 47026.8  
 Efficiency: 54.7%

**Field:**  
 H Angle: 59.1°  
 V Angle: 53.4°  
 Lumens: 75775.4  
 Efficiency: 88.1%

**Spill:**  
 Lumens: 10269.2  
 Efficiency: 11.9%

- 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	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	3.3	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
85°	4.4	3.4	2.6	2.6	2.6	2.4	2.2	2.2	2.2	2.2	2.2
82.5°	4.4	3.5	2.8	2.8	2.8	2.6	2.2	2.2	2.2	2.3	2.2
80°	4.4	3.5	3.0	3.1	3.0	2.7	2.3	2.5	2.6	2.5	2.3
77.5°	4.4	3.6	3.2	3.3	3.2	2.9	2.9	3.1	3.0	2.8	2.5
75°	4.4	3.6	3.4	3.5	3.4	3.3	3.4	3.6	3.5	3.3	3.4
72.5°	4.4	3.7	3.6	3.8	3.6	3.6	4.0	4.0	3.8	3.9	4.2
70°	4.4	3.7	3.7	4.0	3.8	4.0	4.4	4.2	4.1	4.4	4.4
67.5°	4.4	3.8	3.9	4.0	4.0	4.3	4.4	4.3	4.4	4.4	4.4
65°	4.4	3.8	4.1	4.1	4.1	4.4	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	3.9	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4
60°	4.4	3.9	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4
57.5°	4.4	4.0	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
55°	4.4	4.0	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
52.5°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
50°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.7
47.5°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	7.1
45°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.5	5.6	8.5
42.5°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.5	4.6	6.8	10.3
40°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.6	5.1	7.9	12.2
37.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.9	6.2	9.3	14.1
35°	4.4	4.3	4.4	4.4	4.4	4.4	4.4	5.1	7.3	11.1	15.7
32.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.5	5.4	8.3	12.7	17.3
30°	4.4	4.3	4.4	4.4	4.4	4.4	4.7	5.8	9.3	14.3	19.2
27.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.9	6.6	10.3	15.8	21.4
25°	4.4	4.4	4.4	4.4	4.4	4.4	5.2	7.4	11.5	17.4	24.0
22.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.4	8.1	12.7	19.3	29.1
20°	4.4	4.4	4.4	4.4	4.4	4.6	5.7	8.7	13.7	21.2	34.7
17.5°	4.4	4.4	4.4	4.4	4.4	4.8	6.1	9.3	14.6	23.3	40.6
15°	4.4	4.4	4.4	4.4	4.4	5.0	6.5	10.1	15.5	25.4	46.7
12.5°	4.4	4.4	4.4	4.4	4.4	5.2	6.9	11.0	16.9	27.4	52.9
10°	4.4	4.4	4.4	4.4	4.4	5.5	7.3	12.0	18.9	31.2	59.4
7.5°	4.4	4.4	4.4	4.4	4.4	5.7	7.7	12.9	20.8	35.1	66.1
5°	4.4	4.4	4.4	4.4	4.4	6.0	8.1	13.8	22.7	38.9	72.4
2.5°	4.4	4.4	4.4	4.4	4.4	6.3	8.4	14.6	24.5	42.5	78.0
0°	4.4	4.4	4.4	4.4	4.4	6.5	8.7	15.3	26.2	45.8	82.9
-2.5°	4.4	4.4	4.4	4.4	4.6	7.2	10.7	19.4	35.2	61.8	106.9
-5°	4.4	4.4	4.4	4.4	4.8	7.9	12.7	23.2	43.8	77.1	129.6
-7.5°	4.4	4.4	4.4	4.4	4.9	8.5	14.5	26.9	51.7	91.4	150.8
-10°	4.4	4.4	4.4	4.4	5.1	9.1	16.2	30.2	58.9	104.2	169.9
-12.5°	4.4	4.4	4.4	4.4	5.2	9.6	17.7	33.1	64.9	115.2	186.8
-15°	4.4	4.4	4.4	4.4	5.3	10.0	18.9	35.6	69.8	123.7	200.6
-17.5°	4.4	4.4	4.4	4.4	5.4	10.2	19.9	37.9	73.6	130.0	210.9
-20°	4.4	4.4	4.4	4.4	5.5	10.4	20.7	39.9	76.0	134.0	217.2



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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	4.4	4.4	4.4	5.5	10.4	21.5	41.3	76.8	135.5	219.1
-25°	4.4	4.4	4.4	4.4	5.5	10.5	21.8	41.9	76.0	134.2	216.4
-27.5°	4.4	4.4	4.4	4.4	5.5	10.5	21.7	41.7	73.5	131.3	214.4
-30°	4.4	4.4	4.4	4.4	5.4	10.2	21.2	40.6	71.8	128.1	208.9
-32.5°	4.4	4.4	4.4	4.4	5.5	9.8	20.1	39.7	70.4	122.6	199.5
-35°	4.4	4.4	4.4	4.4	5.5	9.2	19.3	38.3	67.8	114.6	186.2
-37.5°	4.4	4.4	4.4	4.4	5.5	8.7	18.5	36.3	64.0	104.1	169.7
-40°	4.4	4.4	4.4	4.4	5.5	8.7	17.4	33.5	58.9	96.7	153.0
-42.5°	4.4	4.4	4.4	4.4	5.5	8.6	16.0	29.9	54.2	88.2	133.9
-45°	4.4	4.4	4.4	4.5	5.6	8.5	14.3	26.6	49.2	78.5	114.0
-47.5°	4.4	4.4	4.4	4.5	5.6	8.3	12.3	24.2	43.3	67.8	101.9
-50°	4.4	4.4	4.4	4.5	5.6	8.0	11.7	21.3	35.7	59.0	88.6
-52.5°	4.4	4.4	4.4	4.6	5.6	7.7	11.3	18.0	30.3	49.3	74.6
-55°	4.4	4.4	4.4	4.6	5.5	7.5	10.8	14.7	25.7	38.6	62.0
-57.5°	4.4	4.4	4.4	4.6	5.3	7.2	10.2	14.0	20.9	31.7	48.4
-60°	4.4	4.4	4.4	4.6	5.2	6.9	9.6	13.1	16.6	26.0	36.5
-62.5°	4.4	4.4	4.4	4.5	5.1	6.5	8.9	12.0	15.4	20.0	29.7
-65°	4.4	4.4	4.4	4.5	5.0	6.0	8.2	11.0	14.0	17.4	22.7
-67.5°	4.4	4.4	4.4	4.5	4.9	5.6	7.3	9.9	12.5	15.6	19.0
-70°	4.4	4.4	4.4	4.4	4.7	5.4	6.4	8.8	11.2	13.7	16.7
-72.5°	4.4	4.4	4.4	4.4	4.6	5.1	5.9	7.6	9.9	12.2	14.5
-75°	4.4	4.4	4.4	4.4	4.4	4.8	5.5	6.8	8.6	10.7	12.8
-77.5°	4.4	4.4	4.4	4.4	4.4	4.5	5.0	6.1	7.6	9.2	11.1
-80°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	5.4	6.5	7.9	9.4
-82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.8	5.5	6.5	7.6
-85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	5.1	5.6	6.2
-87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.6	4.8	5.0	5.3
-90°	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





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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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.7	2.8	3.0
80°	2.2	2.2	2.3	2.2	2.4	2.8	3.3	3.9	4.3	4.4	4.4
77.5°	2.7	2.8	2.7	2.3	2.6	3.2	3.7	4.2	4.4	4.4	4.4
75°	3.6	3.5	2.9	2.4	2.5	3.1	3.7	4.2	4.4	4.4	4.4
72.5°	4.1	3.6	3.0	2.5	2.9	3.6	4.1	4.4	5.4	6.7	7.5
70°	4.2	3.6	3.4	3.5	4.0	4.9	6.7	9.1	11.5	12.3	13.2
67.5°	4.3	4.0	4.1	4.6	6.1	8.2	11.0	14.4	17.8	19.0	20.3
65°	4.4	4.3	4.9	6.3	8.5	11.8	15.6	19.6	25.5	28.5	29.9
62.5°	4.4	4.7	5.8	8.2	11.8	15.7	20.7	27.2	35.1	40.2	40.0
60°	4.4	4.9	7.3	10.9	14.9	19.6	26.1	35.1	46.3	54.2	48.9
57.5°	4.4	5.9	9.4	13.4	17.8	23.0	31.9	43.0	53.3	64.0	54.8
55°	5.0	7.4	11.3	15.6	20.7	27.0	35.7	44.5	55.6	59.7	50.0
52.5°	6.7	9.1	12.9	17.9	24.1	29.2	34.0	41.8	46.0	47.9	41.2
50°	8.3	11.0	14.5	20.6	26.0	28.8	29.5	34.3	36.3	34.6	31.4
47.5°	10.1	13.0	16.6	22.5	26.2	27.5	26.5	27.5	27.3	27.0	22.7
45°	12.1	15.4	19.2	23.2	26.0	25.7	25.2	22.1	25.1	24.3	22.3
42.5°	14.1	17.6	21.4	24.2	24.9	26.2	26.0	27.0	27.1	28.3	30.5
40°	16.0	19.7	24.1	26.0	25.3	29.4	35.2	38.2	34.4	41.4	47.5
37.5°	17.6	22.4	28.1	32.5	30.0	38.8	48.4	63.8	66.0	61.3	78.3
35°	19.1	25.5	37.2	47.6	50.2	54.3	81.2	105.7	120.8	112.0	124.9
32.5°	21.4	28.8	49.7	72.3	90.3	95.3	123.5	174.9	204.8	209.9	201.5
30°	25.1	40.5	68.5	103.6	143.6	179.6	204.4	263.1	312.0	365.4	397.1
27.5°	30.7	55.7	98.5	152.9	213.3	280.4	336.3	381.5	471.0	561.9	639.9
25°	37.3	86.6	132.9	214.6	310.6	403.2	480.9	550.2	668.2	809.9	1047.1
22.5°	53.4	126.2	190.2	284.0	418.7	536.0	640.7	748.5	892.5	1083.5	1579.6
20°	82.3	175.6	255.6	355.4	530.3	674.4	807.3	942.9	1123.2	1523.3	2611.7
17.5°	115.6	227.3	318.5	434.2	613.4	796.8	979.1	1128.5	1346.9	1937.3	3748.1
15°	152.2	280.4	375.3	506.2	692.2	891.7	1095.4	1309.2	1642.3	2489.0	4826.8
12.5°	190.8	334.1	426.5	571.5	766.2	982.0	1188.7	1420.3	1909.1	3326.0	6199.3
10°	230.3	387.6	472.7	630.3	834.9	1066.7	1272.0	1513.7	2118.0	3861.8	7157.8
7.5°	255.5	425.5	510.4	682.6	897.6	1144.9	1345.7	1590.8	2295.1	4201.8	7827.7
5°	274.5	444.9	522.9	706.1	938.9	1202.0	1402.8	1652.7	2437.8	4368.2	8290.6
2.5°	289.0	460.1	533.0	720.2	964.0	1228.6	1419.8	1675.9	2496.9	4468.7	8611.4
0°	298.8	471.1	540.9	728.5	981.5	1245.4	1428.6	1688.1	2506.0	4497.3	8767.8
-2.5°	315.2	479.8	557.2	743.2	990.7	1250.7	1435.9	1697.7	2542.6	4631.8	9006.8
-5°	327.2	484.8	571.1	752.2	992.1	1246.9	1435.9	1695.4	2521.5	4585.1	8705.3
-7.5°	335.4	487.0	581.9	755.2	978.9	1219.5	1406.7	1647.1	2389.2	4290.2	7886.6
-10°	341.3	494.1	595.7	750.6	949.9	1175.1	1365.4	1588.4	2218.7	3875.9	6937.9
-12.5°	350.4	505.7	609.2	743.9	919.6	1124.2	1317.5	1520.2	2012.1	3342.3	5865.5
-15°	355.1	515.3	621.7	736.1	889.8	1067.6	1263.2	1443.4	1780.5	2698.5	4675.1
-17.5°	355.2	523.2	633.5	728.2	862.3	1006.2	1208.9	1387.7	1617.3	2302.6	3845.2
-20°	350.7	529.9	645.1	721.0	839.5	968.1	1164.6	1348.4	1550.6	2006.1	3021.9



REPORT NUMBER: P731702 (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°	341.6	535.6	652.5	726.7	831.1	952.3	1113.9	1301.4	1481.2	1689.5	2393.4
-25°	335.7	521.3	653.4	732.6	822.4	935.4	1059.2	1246.1	1416.5	1617.0	2062.3
-27.5°	331.7	501.5	641.5	734.0	811.5	918.9	1027.7	1181.1	1366.9	1553.2	1756.8
-30°	321.4	465.7	624.9	727.2	807.1	903.8	1006.3	1121.8	1309.9	1490.6	1678.1
-32.5°	301.0	428.1	588.1	705.3	799.9	887.1	984.6	1088.6	1237.4	1423.7	1596.0
-35°	277.3	398.9	542.6	677.9	785.7	870.5	959.6	1057.9	1167.4	1336.6	1528.2
-37.5°	255.3	365.0	496.0	637.3	750.5	853.2	931.0	1024.1	1125.9	1242.6	1433.8
-40°	229.2	326.5	452.2	585.3	712.2	824.9	912.4	987.1	1081.1	1199.9	1318.5
-42.5°	200.2	293.1	405.0	531.8	657.5	777.6	890.9	963.7	1046.9	1157.6	1271.1
-45°	176.2	255.3	354.5	471.9	592.9	718.2	833.3	947.0	1026.7	1115.5	1223.3
-47.5°	149.4	216.3	307.1	407.2	522.5	641.6	764.9	883.0	1004.6	1089.7	1174.3
-50°	123.7	183.1	254.5	346.6	447.1	559.3	675.3	805.1	927.5	1046.0	1144.1
-52.5°	107.4	146.8	210.9	285.2	374.6	472.2	583.0	702.9	829.1	954.9	1062.7
-55°	89.8	123.0	167.2	230.7	303.7	389.4	484.5	594.4	708.9	829.4	943.5
-57.5°	73.0	101.7	134.4	178.8	240.7	308.1	390.7	481.2	583.9	690.7	786.0
-60°	55.9	80.4	108.5	140.7	180.0	237.8	297.0	371.8	457.3	543.4	626.6
-62.5°	39.7	59.6	83.1	109.7	140.6	172.0	219.2	273.9	330.5	400.4	469.5
-65°	31.8	41.2	58.6	80.8	104.5	131.6	159.7	188.4	234.7	280.9	325.1
-67.5°	23.5	31.8	40.6	52.3	72.4	92.6	114.4	139.5	164.8	188.3	216.5
-70°	19.9	22.9	29.6	37.7	45.6	55.1	72.7	91.6	111.0	129.6	149.2
-72.5°	17.2	20.0	22.7	25.5	31.7	37.6	43.1	48.2	59.4	74.8	89.7
-75°	14.7	16.9	19.4	21.9	23.9	25.8	28.3	33.0	37.6	42.1	46.3
-77.5°	12.4	14.0	15.8	18.1	19.8	21.1	22.5	24.1	26.2	28.5	30.9
-80°	10.2	10.9	12.0	13.3	14.9	16.2	17.4	18.4	19.7	21.2	22.9
-82.5°	8.2	8.7	9.2	9.7	10.5	11.5	12.7	13.8	14.6	15.3	16.2
-85°	6.3	6.5	6.8	7.1	7.6	8.1	8.6	9.2	9.9	10.5	11.0
-87.5°	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.3	6.8	7.4
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.9	5.5	6.0	6.5	7.1	7.6	8.2	8.7	8.7	8.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	3.2	3.1	2.9	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	4.4	4.1	3.9	3.7	3.6	3.4	3.1	2.7	2.2	2.2	2.2
77.5°	4.4	4.4	4.4	4.4	4.4	4.0	3.4	2.8	2.3	2.2	2.2
75°	4.4	4.6	4.9	4.8	4.5	4.2	4.0	4.0	4.0	3.7	3.3
72.5°	7.8	7.7	7.4	7.3	7.0	7.0	7.1	6.8	6.2	6.1	6.2
70°	13.9	14.3	14.3	13.8	12.5	11.2	10.3	9.4	8.5	8.0	7.6
67.5°	21.5	21.7	20.5	18.5	15.5	12.7	11.6	10.4	9.2	8.9	9.4
65°	29.8	27.2	23.9	20.3	16.5	12.9	12.0	11.2	10.5	10.6	11.4
62.5°	36.8	29.8	23.9	19.8	16.2	12.9	11.9	10.9	10.0	9.4	9.2
60°	40.7	29.9	21.5	17.8	14.4	11.4	10.1	9.4	8.9	8.7	8.7
57.5°	40.7	28.2	18.7	15.3	12.3	9.7	8.7	8.7	8.7	8.7	8.7
55°	36.2	24.7	16.0	13.2	11.2	9.6	8.8	9.1	9.0	8.7	9.2
52.5°	28.4	20.4	14.9	12.4	11.5	11.0	10.7	10.6	10.4	10.1	10.5
50°	22.6	17.0	14.4	12.9	12.8	12.9	12.9	13.1	13.4	13.6	13.7
47.5°	18.9	15.9	16.2	15.0	15.5	16.8	17.1	17.3	17.9	18.0	17.7
45°	19.3	22.5	23.1	22.9	22.5	25.6	25.4	23.3	26.1	26.9	26.3
42.5°	32.0	34.7	36.6	38.2	40.1	42.5	43.8	43.1	45.5	45.5	42.6
40°	54.2	51.7	55.8	60.7	65.2	66.8	70.9	75.2	76.8	75.9	73.0
37.5°	88.9	85.0	85.4	96.5	106.7	94.6	112.4	119.5	115.0	130.9	134.0
35°	147.7	163.3	140.7	180.5	200.2	190.5	211.8	253.8	221.3	280.8	295.3
32.5°	262.5	300.0	323.5	357.1	406.5	471.5	487.9	591.4	624.6	672.5	724.2
30°	428.9	534.9	730.0	766.3	813.4	1037.4	1098.9	1155.2	1273.0	1363.9	1518.3
27.5°	779.4	1065.1	1473.1	1832.3	1806.0	2184.8	2606.3	2134.2	2834.6	2553.7	3225.5
25°	1459.6	2089.4	3073.1	4024.9	4479.3	5251.1	6216.3	6033.6	7307.2	7395.6	9274.1
22.5°	2776.0	4144.3	5648.6	7266.7	8836.4	10573.5	12242.8	13992.8	16623.7	20258.8	23791.8
20°	4542.0	6553.8	8983.3	11488.7	14145.5	16847.1	19986.0	25301.3	30751.2	38316.2	43660.6
17.5°	6455.5	9657.5	12639.8	15743.9	19458.3	23948.9	30441.6	39523.9	50540.2	61848.7	70597.0
15°	8127.0	11749.3	16048.1	20186.4	24805.1	31545.9	41743.3	55196.0	71578.6	88769.9	109558.3
12.5°	9744.3	13527.9	18199.5	23434.0	29710.3	39358.2	52576.5	70756.5	92459.6	118292.9	144993.1
10°	10999.4	15151.0	20350.4	26245.3	33905.8	45755.4	61115.9	82579.9	114740.5	145236.5	175726.3
7.5°	11980.2	16650.4	22158.0	28344.8	37264.5	50607.2	68984.8	96004.0	129984.3	162980.0	191063.4
5°	12851.9	17883.5	23382.7	29528.1	39682.4	54137.3	73927.4	104784.5	141046.0	173474.4	200198.1
2.5°	13538.6	18689.7	24055.4	30120.8	41238.9	56086.1	76534.0	109496.6	148176.2	180191.5	205709.0
0°	13954.4	18833.4	24168.2	30246.8	41357.1	56969.1	78568.0	111558.6	150719.3	183478.7	208576.1
-2.5°	13805.4	18511.4	23802.5	29876.8	40967.0	56141.6	76931.9	110513.7	148564.3	179213.7	204455.1
-5°	13063.3	17457.9	22371.1	28086.3	38379.3	52998.0	72294.2	102917.0	138682.9	169280.3	193032.6
-7.5°	11893.3	15985.5	20496.3	25787.3	34688.3	47898.2	65482.0	91541.9	124010.3	152242.4	173677.5
-10°	10584.3	14278.6	18186.8	22873.1	29830.8	41043.7	55727.5	75626.0	103472.3	128856.3	149123.5
-12.5°	9011.0	12084.5	15369.8	19411.2	24684.6	33825.9	46171.4	62313.1	81674.6	104263.0	122714.2
-15°	7375.8	9959.7	12679.0	16469.8	20967.4	26790.4	35664.5	48497.1	62868.7	78296.9	95038.0
-17.5°	5923.0	8110.7	10993.9	14186.7	17614.6	21666.7	29004.0	37749.4	48150.3	59154.8	69258.4
-20°	4758.0	7078.2	9668.4	12445.0	15594.7	19491.2	23998.5	30642.8	38355.8	46803.4	54897.2



REPORT NUMBER: P731702 (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°	3914.0	5994.8	8400.1	11004.6	14191.0	17698.8	21349.2	25519.0	31054.1	37548.8	43766.6
-25°	2981.0	4719.9	7053.1	9679.9	12615.3	15708.7	18671.7	22070.8	26117.4	30343.1	34697.1
-27.5°	2362.9	3590.4	5506.2	7972.9	10689.0	13110.9	15649.5	18479.9	22018.6	25695.1	28117.7
-30°	1928.6	2647.2	4085.3	6012.6	8282.6	10419.9	12504.4	15048.1	17826.0	20464.7	22606.3
-32.5°	1801.6	2123.1	2867.3	4240.8	5945.8	7853.4	9724.6	11995.3	14151.4	16239.5	18080.8
-35°	1712.0	1917.6	2198.3	2914.8	3941.8	5492.1	7201.8	9123.3	11069.2	12756.0	14317.7
-37.5°	1628.5	1806.9	1992.7	2177.6	2755.7	3465.2	4669.3	6189.2	7665.3	9030.3	10374.6
-40°	1509.3	1704.9	1855.0	2013.0	2185.0	2380.4	3010.5	3631.4	4354.1	5400.9	6317.9
-42.5°	1382.9	1545.9	1716.8	1864.8	2008.6	2158.8	2317.6	2475.4	2805.7	3216.4	3552.8
-45°	1330.1	1428.1	1545.6	1700.1	1844.6	1979.5	2108.7	2233.7	2365.7	2486.2	2584.6
-47.5°	1266.9	1356.0	1451.1	1551.8	1657.9	1788.1	1916.0	2043.2	2158.7	2266.0	2351.7
-50°	1208.5	1278.5	1363.5	1449.2	1534.0	1621.4	1709.6	1807.7	1918.1	2026.8	2116.1
-52.5°	1160.8	1224.9	1285.6	1346.4	1420.2	1494.3	1568.4	1646.6	1721.9	1793.1	1848.7
-55°	1044.8	1135.2	1224.1	1281.4	1331.2	1381.6	1437.7	1507.7	1574.5	1637.8	1675.0
-57.5°	887.0	991.6	1087.7	1155.4	1224.8	1295.0	1352.9	1403.0	1453.5	1501.7	1528.1
-60°	711.4	797.4	884.4	965.1	1042.2	1115.0	1182.5	1248.3	1309.1	1360.3	1391.4
-62.5°	537.7	609.1	679.7	747.2	812.1	875.3	947.3	1016.7	1082.7	1136.6	1169.7
-65°	374.3	432.8	487.6	540.1	590.5	644.3	700.3	754.7	806.9	848.4	875.6
-67.5°	254.6	290.6	323.3	354.5	392.8	434.2	475.3	513.4	548.5	575.4	594.4
-70°	169.1	188.4	205.6	225.8	250.9	276.1	301.5	325.1	346.6	362.7	374.8
-72.5°	104.1	117.4	129.9	143.4	156.2	169.4	183.2	196.8	209.8	219.3	226.4
-75°	50.0	56.2	67.2	77.2	86.3	94.7	102.4	109.1	114.9	118.5	120.9
-77.5°	34.1	36.9	39.6	42.4	45.2	48.6	52.1	55.4	58.6	61.0	63.2
-80°	24.6	26.1	27.4	28.4	29.4	30.8	32.4	34.0	35.5	36.1	36.5
-82.5°	17.0	18.2	19.3	20.4	21.5	22.5	23.5	24.4	25.3	26.1	26.8
-85°	11.5	12.1	12.7	13.4	14.0	14.8	15.5	16.3	16.9	17.1	17.2
-87.5°	7.9	8.1	8.3	8.4	8.5	9.1	9.7	10.2	10.8	10.8	10.9
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1



REPORT NUMBER: P731702 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2
87.5°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8
75°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.7	4.0	4.0
72.5°	6.3	6.4	5.5	4.4	5.5	6.4	6.3	6.2	6.1	6.2	6.8
70°	7.1	6.6	6.5	6.5	6.5	6.6	7.1	7.6	8.0	8.5	9.4
67.5°	10.0	10.7	10.9	10.9	10.9	10.7	10.0	9.4	8.9	9.2	10.4
65°	12.2	12.9	12.1	10.9	12.1	12.9	12.2	11.4	10.6	10.5	11.2
62.5°	9.1	8.9	8.7	8.7	8.7	8.9	9.1	9.2	9.4	10.0	10.9
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.9	9.4
57.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
55°	9.8	10.5	10.9	10.9	10.9	10.5	9.8	9.2	8.7	9.0	9.1
52.5°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.5	10.1	10.4	10.6
50°	13.6	13.2	13.1	13.1	13.1	13.2	13.6	13.7	13.6	13.4	13.1
47.5°	16.9	15.9	15.3	15.3	15.3	15.9	16.9	17.7	18.0	17.9	17.3
45°	26.5	26.1	26.0	26.2	26.0	26.1	26.5	26.3	26.9	26.1	23.3
42.5°	44.3	45.0	44.2	41.4	44.2	45.0	44.3	42.6	45.5	45.5	43.1
40°	73.1	70.3	66.5	65.4	66.5	70.3	73.1	73.0	75.9	76.8	75.2
37.5°	135.7	135.6	132.5	130.9	132.5	135.6	135.7	134.0	130.9	115.0	119.5
35°	285.5	283.2	267.7	253.0	267.7	283.2	285.5	295.3	280.8	221.3	253.8
32.5°	741.7	781.0	777.4	754.6	777.4	781.0	741.7	724.2	672.5	624.6	591.4
30°	1577.8	1648.2	1633.3	1539.8	1633.3	1648.2	1577.8	1518.3	1363.9	1273.0	1155.2
27.5°	3261.1	3425.9	3571.2	3380.6	3571.2	3425.9	3261.1	3225.5	2553.7	2834.6	2134.2
25°	11154.9	12227.5	12862.2	11875.8	12862.2	12227.5	11154.9	9274.1	7395.6	7307.2	6033.6
22.5°	26622.0	27958.9	28672.2	29080.0	28672.2	27958.9	26622.0	23791.8	20258.8	16623.7	13992.8
20°	48833.8	51692.4	53523.6	49834.8	53523.6	51692.4	48833.8	43660.6	38316.2	30751.2	25301.3
17.5°	82732.9	93275.6	98826.2	101842.0	98826.2	93275.6	82732.9	70597.0	61848.7	50540.2	39523.9
15°	125601.7	139090.8	148199.9	151766.3	148199.9	139090.8	125601.7	109558.3	88769.9	71578.6	55196.0
12.5°	166134.5	180053.3	188457.9	190570.4	188457.9	180053.3	166134.5	144993.1	118292.9	92459.6	70756.5
10°	194964.3	208079.0	217747.1	221141.1	217747.1	208079.0	194964.3	175726.3	145236.5	114740.5	82579.9
7.5°	211013.9	226344.1	234865.2	236986.5	234865.2	226344.1	211013.9	191063.4	162980.0	129984.3	96004.0
5°	220250.9	234101.9	243416.5	244546.0	243416.5	234101.9	220250.9	200198.1	173474.4	141046.0	104784.5
2.5°	226206.5	239752.6	247589.5	249892.8	247589.5	239752.6	226206.5	205709.0	180191.5	148176.2	109496.6
0°	227667.9	240122.8	249590.7	252537.4	249590.7	240122.8	227667.9	208576.1	183478.7	150719.3	111558.6
-2.5°	223243.0	235258.1	241564.8	242587.4	241564.8	235258.1	223243.0	204455.1	179213.7	148564.3	110513.7
-5°	211942.8	220828.8	228109.6	229040.9	228109.6	220828.8	211942.8	193032.6	169280.3	138682.9	102917.0
-7.5°	187939.4	197907.5	201934.4	203024.3	201934.4	197907.5	187939.4	173677.5	152242.4	124010.3	91541.9
-10°	162400.2	170939.8	173792.5	175332.5	173792.5	170939.8	162400.2	149123.5	128856.3	103472.3	75626.0
-12.5°	137397.2	145747.6	148553.5	150782.6	148553.5	145747.6	137397.2	122714.2	104263.0	81674.6	62313.1
-15°	109383.4	117606.3	122139.6	124649.2	122139.6	117606.3	109383.4	95038.0	78296.9	62868.7	48497.1
-17.5°	82081.0	89890.3	95166.7	98236.7	95166.7	89890.3	82081.0	69258.4	59154.8	48150.3	37749.4
-20°	62236.9	67522.3	71582.7	73992.2	71582.7	67522.3	62236.9	54897.2	46803.4	38355.8	30642.8



REPORT NUMBER: P731702 (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°	48616.3	52276.9	54629.1	56168.6	54629.1	52276.9	48616.3	43766.6	37548.8	31054.1	25519.0
-25°	37996.6	40399.0	41920.3	43165.2	41920.3	40399.0	37996.6	34697.1	30343.1	26117.4	22070.8
-27.5°	30085.2	31373.3	32045.6	32960.0	32045.6	31373.3	30085.2	28117.7	25695.1	22018.6	18479.9
-30°	24185.5	25173.9	25708.3	25906.5	25708.3	25173.9	24185.5	22606.3	20464.7	17826.0	15048.1
-32.5°	19465.3	20399.0	21073.4	21389.6	21073.4	20399.0	19465.3	18080.8	16239.5	14151.4	11995.3
-35°	15529.5	16308.5	16840.1	17132.2	16840.1	16308.5	15529.5	14317.7	12756.0	11069.2	9123.3
-37.5°	11487.8	12342.5	12927.7	13127.7	12927.7	12342.5	11487.8	10374.6	9030.3	7665.3	6189.2
-40°	7048.2	7592.6	7944.0	8091.7	7944.0	7592.6	7048.2	6317.9	5400.9	4354.1	3631.4
-42.5°	3815.1	4015.0	4153.7	4233.4	4153.7	4015.0	3815.1	3552.8	3216.4	2805.7	2475.4
-45°	2648.3	2698.9	2731.0	2743.8	2731.0	2698.9	2648.3	2584.6	2486.2	2365.7	2233.7
-47.5°	2414.3	2468.9	2498.0	2499.5	2498.0	2468.9	2414.3	2351.7	2266.0	2158.7	2043.2
-50°	2186.8	2246.4	2276.4	2279.2	2276.4	2246.4	2186.8	2116.1	2026.8	1918.1	1807.7
-52.5°	1899.3	1946.5	1967.0	1965.1	1967.0	1946.5	1899.3	1848.7	1793.1	1721.9	1646.6
-55°	1707.4	1735.5	1748.0	1749.2	1748.0	1735.5	1707.4	1675.0	1637.8	1574.5	1507.7
-57.5°	1551.7	1572.5	1579.8	1579.1	1579.8	1572.5	1551.7	1528.1	1501.7	1453.5	1403.0
-60°	1418.5	1441.2	1447.4	1443.9	1447.4	1441.2	1418.5	1391.4	1360.3	1309.1	1248.3
-62.5°	1196.8	1217.5	1227.8	1230.1	1227.8	1217.5	1196.8	1169.7	1136.6	1082.7	1016.7
-65°	897.0	912.6	920.8	922.6	920.8	912.6	897.0	875.6	848.4	806.9	754.7
-67.5°	609.2	619.7	623.0	621.6	623.0	619.7	609.2	594.4	575.4	548.5	513.4
-70°	384.5	391.9	393.7	392.6	393.7	391.9	384.5	374.8	362.7	346.6	325.1
-72.5°	232.2	236.7	237.1	235.6	237.1	236.7	232.2	226.4	219.3	209.8	196.8
-75°	122.4	123.0	122.9	122.1	122.9	123.0	122.4	120.9	118.5	114.9	109.1
-77.5°	65.2	67.0	66.4	65.4	66.4	67.0	65.2	63.2	61.0	58.6	55.4
-80°	36.8	37.0	37.1	37.1	37.1	37.0	36.8	36.5	36.1	35.5	34.0
-82.5°	27.6	28.3	27.3	26.2	27.3	28.3	27.6	26.8	26.1	25.3	24.4
-85°	17.3	17.4	17.4	17.4	17.4	17.4	17.3	17.2	17.1	16.9	16.3
-87.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.8	10.8	10.2
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	7.1	6.5	6.0	5.5	4.9	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.6	2.9	3.1	3.2	3.0	2.8	2.7	2.5
80°	3.1	3.4	3.6	3.7	3.9	4.1	4.4	4.4	4.4	4.3	3.9
77.5°	3.4	4.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2
75°	4.0	4.2	4.5	4.8	4.9	4.6	4.4	4.4	4.4	4.4	4.2
72.5°	7.1	7.0	7.0	7.3	7.4	7.7	7.8	7.5	6.7	5.4	4.4
70°	10.3	11.2	12.5	13.8	14.3	14.3	13.9	13.2	12.3	11.5	9.1
67.5°	11.6	12.7	15.5	18.5	20.5	21.7	21.5	20.3	19.0	17.8	14.4
65°	12.0	12.9	16.5	20.3	23.9	27.2	29.8	29.9	28.5	25.5	19.6
62.5°	11.9	12.9	16.2	19.8	23.9	29.8	36.8	40.0	40.2	35.1	27.2
60°	10.1	11.4	14.4	17.8	21.5	29.9	40.7	48.9	54.2	46.3	35.1
57.5°	8.7	9.7	12.3	15.3	18.7	28.2	40.7	54.8	64.0	53.3	43.0
55°	8.8	9.6	11.2	13.2	16.0	24.7	36.2	50.0	59.7	55.6	44.5
52.5°	10.7	11.0	11.5	12.4	14.9	20.4	28.4	41.2	47.9	46.0	41.8
50°	12.9	12.9	12.8	12.9	14.4	17.0	22.6	31.4	34.6	36.3	34.3
47.5°	17.1	16.8	15.5	15.0	16.2	15.9	18.9	22.7	27.0	27.3	27.5
45°	25.4	25.6	22.5	22.9	23.1	22.5	19.3	22.3	24.3	25.1	22.1
42.5°	43.8	42.5	40.1	38.2	36.6	34.7	32.0	30.5	28.3	27.1	27.0
40°	70.9	66.8	65.2	60.7	55.8	51.7	54.2	47.5	41.4	34.4	38.2
37.5°	112.4	94.6	106.7	96.5	85.4	85.0	88.9	78.3	61.3	66.0	63.8
35°	211.8	190.5	200.2	180.5	140.7	163.3	147.7	124.9	112.0	120.8	105.7
32.5°	487.9	471.5	406.5	357.1	323.5	300.0	262.5	201.5	209.9	204.8	174.9
30°	1098.9	1037.4	813.4	766.3	730.0	534.9	428.9	397.1	365.4	312.0	263.1
27.5°	2606.3	2184.8	1806.0	1832.3	1473.1	1065.1	779.4	639.9	561.9	471.0	381.5
25°	6216.3	5251.1	4479.3	4024.9	3073.1	2089.4	1459.6	1047.1	809.9	668.2	550.2
22.5°	12242.8	10573.5	8836.4	7266.7	5648.6	4144.3	2776.0	1579.6	1083.5	892.5	748.5
20°	19986.0	16847.1	14145.5	11488.7	8983.3	6553.8	4542.0	2611.7	1523.3	1123.2	942.9
17.5°	30441.6	23948.9	19458.3	15743.9	12639.8	9657.5	6455.5	3748.1	1937.3	1346.9	1128.5
15°	41743.3	31545.9	24805.1	20186.4	16048.1	11749.3	8127.0	4826.8	2489.0	1642.3	1309.2
12.5°	52576.5	39358.2	29710.3	23434.0	18199.5	13527.9	9744.3	6199.3	3326.0	1909.1	1420.3
10°	61115.9	45755.4	33905.8	26245.3	20350.4	15151.0	10999.4	7157.8	3861.8	2118.0	1513.7
7.5°	68984.8	50607.2	37264.5	28344.8	22158.0	16650.4	11980.2	7827.7	4201.8	2295.1	1590.8
5°	73927.4	54137.3	39682.4	29528.1	23382.7	17883.5	12851.9	8290.6	4368.2	2437.8	1652.7
2.5°	76534.0	56086.1	41238.9	30120.8	24055.4	18689.7	13538.6	8611.4	4468.7	2496.9	1675.9
0°	78568.0	56969.1	41357.1	30246.8	24168.2	18833.4	13954.4	8767.8	4497.3	2506.0	1688.1
-2.5°	76931.9	56141.6	40967.0	29876.8	23802.5	18511.4	13805.4	9006.8	4631.8	2542.6	1697.7
-5°	72294.2	52998.0	38379.3	28086.3	22371.1	17457.9	13063.3	8705.3	4585.1	2521.5	1695.4
-7.5°	65482.0	47898.2	34688.3	25787.3	20496.3	15985.5	11893.3	7886.6	4290.2	2389.2	1647.1
-10°	55727.5	41043.7	29830.8	22873.1	18186.8	14278.6	10584.3	6937.9	3875.9	2218.7	1588.4
-12.5°	46171.4	33825.9	24684.6	19411.2	15369.8	12084.5	9011.0	5865.5	3342.3	2012.1	1520.2
-15°	35664.5	26790.4	20967.4	16469.8	12679.0	9959.7	7375.8	4675.1	2698.5	1780.5	1443.4
-17.5°	29004.0	21666.7	17614.6	14186.7	10993.9	8110.7	5923.0	3845.2	2302.6	1617.3	1387.7
-20°	23998.5	19491.2	15594.7	12445.0	9668.4	7078.2	4758.0	3021.9	2006.1	1550.6	1348.4





REPORT NUMBER: P731702 (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°	21349.2	17698.8	14191.0	11004.6	8400.1	5994.8	3914.0	2393.4	1689.5	1481.2	1301.4
-25°	18671.7	15708.7	12615.3	9679.9	7053.1	4719.9	2981.0	2062.3	1617.0	1416.5	1246.1
-27.5°	15649.5	13110.9	10689.0	7972.9	5506.2	3590.4	2362.9	1756.8	1553.2	1366.9	1181.1
-30°	12504.4	10419.9	8282.6	6012.6	4085.3	2647.2	1928.6	1678.1	1490.6	1309.9	1121.8
-32.5°	9724.6	7853.4	5945.8	4240.8	2867.3	2123.1	1801.6	1596.0	1423.7	1237.4	1088.6
-35°	7201.8	5492.1	3941.8	2914.8	2198.3	1917.6	1712.0	1528.2	1336.6	1167.4	1057.9
-37.5°	4669.3	3465.2	2755.7	2177.6	1992.7	1806.9	1628.5	1433.8	1242.6	1125.9	1024.1
-40°	3010.5	2380.4	2185.0	2013.0	1855.0	1704.9	1509.3	1318.5	1199.9	1081.1	987.1
-42.5°	2317.6	2158.8	2008.6	1864.8	1716.8	1545.9	1382.9	1271.1	1157.6	1046.9	963.7
-45°	2108.7	1979.5	1844.6	1700.1	1545.6	1428.1	1330.1	1223.3	1115.5	1026.7	947.0
-47.5°	1916.0	1788.1	1657.9	1551.8	1451.1	1356.0	1266.9	1174.3	1089.7	1004.6	883.0
-50°	1709.6	1621.4	1534.0	1449.2	1363.5	1278.5	1208.5	1144.1	1046.0	927.5	805.1
-52.5°	1568.4	1494.3	1420.2	1346.4	1285.6	1224.9	1160.8	1062.7	954.9	829.1	702.9
-55°	1437.7	1381.6	1331.2	1281.4	1224.1	1135.2	1044.8	943.5	829.4	708.9	594.4
-57.5°	1352.9	1295.0	1224.8	1155.4	1087.7	991.6	887.0	786.0	690.7	583.9	481.2
-60°	1182.5	1115.0	1042.2	965.1	884.4	797.4	711.4	626.6	543.4	457.3	371.8
-62.5°	947.3	875.3	812.1	747.2	679.7	609.1	537.7	469.5	400.4	330.5	273.9
-65°	700.3	644.3	590.5	540.1	487.6	432.8	374.3	325.1	280.9	234.7	188.4
-67.5°	475.3	434.2	392.8	354.5	323.3	290.6	254.6	216.5	188.3	164.8	139.5
-70°	301.5	276.1	250.9	225.8	205.6	188.4	169.1	149.2	129.6	111.0	91.6
-72.5°	183.2	169.4	156.2	143.4	129.9	117.4	104.1	89.7	74.8	59.4	48.2
-75°	102.4	94.7	86.3	77.2	67.2	56.2	50.0	46.3	42.1	37.6	33.0
-77.5°	52.1	48.6	45.2	42.4	39.6	36.9	34.1	30.9	28.5	26.2	24.1
-80°	32.4	30.8	29.4	28.4	27.4	26.1	24.6	22.9	21.2	19.7	18.4
-82.5°	23.5	22.5	21.5	20.4	19.3	18.2	17.0	16.2	15.3	14.6	13.8
-85°	15.5	14.8	14.0	13.4	12.7	12.1	11.5	11.0	10.5	9.9	9.2
-87.5°	9.7	9.1	8.5	8.4	8.3	8.1	7.9	7.4	6.8	6.3	5.9
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





REPORT NUMBER: P731702 (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°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2
80°	3.3	2.8	2.4	2.2	2.3	2.2	2.2	2.3	2.5	2.6	2.5
77.5°	3.7	3.2	2.6	2.3	2.7	2.8	2.7	2.5	2.8	3.0	3.1
75°	3.7	3.1	2.5	2.4	2.9	3.5	3.6	3.4	3.3	3.5	3.6
72.5°	4.1	3.6	2.9	2.5	3.0	3.6	4.1	4.2	3.9	3.8	4.0
70°	6.7	4.9	4.0	3.5	3.4	3.6	4.2	4.4	4.4	4.1	4.2
67.5°	11.0	8.2	6.1	4.6	4.1	4.0	4.3	4.4	4.4	4.4	4.3
65°	15.6	11.8	8.5	6.3	4.9	4.3	4.4	4.4	4.4	4.4	4.4
62.5°	20.7	15.7	11.8	8.2	5.8	4.7	4.4	4.4	4.4	4.4	4.4
60°	26.1	19.6	14.9	10.9	7.3	4.9	4.4	4.4	4.4	4.4	4.4
57.5°	31.9	23.0	17.8	13.4	9.4	5.9	4.4	4.4	4.4	4.4	4.4
55°	35.7	27.0	20.7	15.6	11.3	7.4	5.0	4.4	4.4	4.4	4.4
52.5°	34.0	29.2	24.1	17.9	12.9	9.1	6.7	4.4	4.4	4.4	4.4
50°	29.5	28.8	26.0	20.6	14.5	11.0	8.3	5.7	4.4	4.4	4.4
47.5°	26.5	27.5	26.2	22.5	16.6	13.0	10.1	7.1	4.4	4.4	4.4
45°	25.2	25.7	26.0	23.2	19.2	15.4	12.1	8.5	5.6	4.5	4.4
42.5°	26.0	26.2	24.9	24.2	21.4	17.6	14.1	10.3	6.8	4.6	4.5
40°	35.2	29.4	25.3	26.0	24.1	19.7	16.0	12.2	7.9	5.1	4.6
37.5°	48.4	38.8	30.0	32.5	28.1	22.4	17.6	14.1	9.3	6.2	4.9
35°	81.2	54.3	50.2	47.6	37.2	25.5	19.1	15.7	11.1	7.3	5.1
32.5°	123.5	95.3	90.3	72.3	49.7	28.8	21.4	17.3	12.7	8.3	5.4
30°	204.4	179.6	143.6	103.6	68.5	40.5	25.1	19.2	14.3	9.3	5.8
27.5°	336.3	280.4	213.3	152.9	98.5	55.7	30.7	21.4	15.8	10.3	6.6
25°	480.9	403.2	310.6	214.6	132.9	86.6	37.3	24.0	17.4	11.5	7.4
22.5°	640.7	536.0	418.7	284.0	190.2	126.2	53.4	29.1	19.3	12.7	8.1
20°	807.3	674.4	530.3	355.4	255.6	175.6	82.3	34.7	21.2	13.7	8.7
17.5°	979.1	796.8	613.4	434.2	318.5	227.3	115.6	40.6	23.3	14.6	9.3
15°	1095.4	891.7	692.2	506.2	375.3	280.4	152.2	46.7	25.4	15.5	10.1
12.5°	1188.7	982.0	766.2	571.5	426.5	334.1	190.8	52.9	27.4	16.9	11.0
10°	1272.0	1066.7	834.9	630.3	472.7	387.6	230.3	59.4	31.2	18.9	12.0
7.5°	1345.7	1144.9	897.6	682.6	510.4	425.5	255.5	66.1	35.1	20.8	12.9
5°	1402.8	1202.0	938.9	706.1	522.9	444.9	274.5	72.4	38.9	22.7	13.8
2.5°	1419.8	1228.6	964.0	720.2	533.0	460.1	289.0	78.0	42.5	24.5	14.6
0°	1428.6	1245.4	981.5	728.5	540.9	471.1	298.8	82.9	45.8	26.2	15.3
-2.5°	1435.9	1250.7	990.7	743.2	557.2	479.8	315.2	106.9	61.8	35.2	19.4
-5°	1435.9	1246.9	992.1	752.2	571.1	484.8	327.2	129.6	77.1	43.8	23.2
-7.5°	1406.7	1219.5	978.9	755.2	581.9	487.0	335.4	150.8	91.4	51.7	26.9
-10°	1365.4	1175.1	949.9	750.6	595.7	494.1	341.3	169.9	104.2	58.9	30.2
-12.5°	1317.5	1124.2	919.6	743.9	609.2	505.7	350.4	186.8	115.2	64.9	33.1
-15°	1263.2	1067.6	889.8	736.1	621.7	515.3	355.1	200.6	123.7	69.8	35.6
-17.5°	1208.9	1006.2	862.3	728.2	633.5	523.2	355.2	210.9	130.0	73.6	37.9
-20°	1164.6	968.1	839.5	721.0	645.1	529.9	350.7	217.2	134.0	76.0	39.9



REPORT NUMBER: P731702 (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°	1113.9	952.3	831.1	726.7	652.5	535.6	341.6	219.1	135.5	76.8	41.3
-25°	1059.2	935.4	822.4	732.6	653.4	521.3	335.7	216.4	134.2	76.0	41.9
-27.5°	1027.7	918.9	811.5	734.0	641.5	501.5	331.7	214.4	131.3	73.5	41.7
-30°	1006.3	903.8	807.1	727.2	624.9	465.7	321.4	208.9	128.1	71.8	40.6
-32.5°	984.6	887.1	799.9	705.3	588.1	428.1	301.0	199.5	122.6	70.4	39.7
-35°	959.6	870.5	785.7	677.9	542.6	398.9	277.3	186.2	114.6	67.8	38.3
-37.5°	931.0	853.2	750.5	637.3	496.0	365.0	255.3	169.7	104.1	64.0	36.3
-40°	912.4	824.9	712.2	585.3	452.2	326.5	229.2	153.0	96.7	58.9	33.5
-42.5°	890.9	777.6	657.5	531.8	405.0	293.1	200.2	133.9	88.2	54.2	29.9
-45°	833.3	718.2	592.9	471.9	354.5	255.3	176.2	114.0	78.5	49.2	26.6
-47.5°	764.9	641.6	522.5	407.2	307.1	216.3	149.4	101.9	67.8	43.3	24.2
-50°	675.3	559.3	447.1	346.6	254.5	183.1	123.7	88.6	59.0	35.7	21.3
-52.5°	583.0	472.2	374.6	285.2	210.9	146.8	107.4	74.6	49.3	30.3	18.0
-55°	484.5	389.4	303.7	230.7	167.2	123.0	89.8	62.0	38.6	25.7	14.7
-57.5°	390.7	308.1	240.7	178.8	134.4	101.7	73.0	48.4	31.7	20.9	14.0
-60°	297.0	237.8	180.0	140.7	108.5	80.4	55.9	36.5	26.0	16.6	13.1
-62.5°	219.2	172.0	140.6	109.7	83.1	59.6	39.7	29.7	20.0	15.4	12.0
-65°	159.7	131.6	104.5	80.8	58.6	41.2	31.8	22.7	17.4	14.0	11.0
-67.5°	114.4	92.6	72.4	52.3	40.6	31.8	23.5	19.0	15.6	12.5	9.9
-70°	72.7	55.1	45.6	37.7	29.6	22.9	19.9	16.7	13.7	11.2	8.8
-72.5°	43.1	37.6	31.7	25.5	22.7	20.0	17.2	14.5	12.2	9.9	7.6
-75°	28.3	25.8	23.9	21.9	19.4	16.9	14.7	12.8	10.7	8.6	6.8
-77.5°	22.5	21.1	19.8	18.1	15.8	14.0	12.4	11.1	9.2	7.6	6.1
-80°	17.4	16.2	14.9	13.3	12.0	10.9	10.2	9.4	7.9	6.5	5.4
-82.5°	12.7	11.5	10.5	9.7	9.2	8.7	8.2	7.6	6.5	5.5	4.8
-85°	8.6	8.1	7.6	7.1	6.8	6.5	6.3	6.2	5.6	5.1	4.7
-87.5°	5.8	5.7	5.7	5.6	5.5	5.4	5.4	5.3	5.0	4.8	4.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731702 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.3	2.4	2.4	2.4	3.3	4.4
85°	2.2	2.4	2.6	2.6	2.6	3.4	4.4
82.5°	2.2	2.6	2.8	2.8	2.8	3.5	4.4
80°	2.3	2.7	3.0	3.1	3.0	3.5	4.4
77.5°	2.9	2.9	3.2	3.3	3.2	3.6	4.4
75°	3.4	3.3	3.4	3.5	3.4	3.6	4.4
72.5°	4.0	3.6	3.6	3.8	3.6	3.7	4.4
70°	4.4	4.0	3.8	4.0	3.7	3.7	4.4
67.5°	4.4	4.3	4.0	4.0	3.9	3.8	4.4
65°	4.4	4.4	4.1	4.1	4.1	3.8	4.4
62.5°	4.4	4.4	4.3	4.2	4.2	3.9	4.4
60°	4.4	4.4	4.4	4.2	4.4	3.9	4.4
57.5°	4.4	4.4	4.4	4.3	4.4	4.0	4.4
55°	4.4	4.4	4.4	4.3	4.4	4.0	4.4
52.5°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
50°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
47.5°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
45°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
42.5°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
40°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
37.5°	4.4	4.4	4.4	4.4	4.4	4.3	4.4
35°	4.4	4.4	4.4	4.4	4.4	4.3	4.4
32.5°	4.5	4.4	4.4	4.4	4.4	4.3	4.4
30°	4.7	4.4	4.4	4.4	4.4	4.3	4.4
27.5°	4.9	4.4	4.4	4.4	4.4	4.3	4.4
25°	5.2	4.4	4.4	4.4	4.4	4.4	4.4
22.5°	5.4	4.4	4.4	4.4	4.4	4.4	4.4
20°	5.7	4.6	4.4	4.4	4.4	4.4	4.4
17.5°	6.1	4.8	4.4	4.4	4.4	4.4	4.4
15°	6.5	5.0	4.4	4.4	4.4	4.4	4.4
12.5°	6.9	5.2	4.4	4.4	4.4	4.4	4.4
10°	7.3	5.5	4.4	4.4	4.4	4.4	4.4
7.5°	7.7	5.7	4.4	4.4	4.4	4.4	4.4
5°	8.1	6.0	4.4	4.4	4.4	4.4	4.4
2.5°	8.4	6.3	4.4	4.4	4.4	4.4	4.4
0°	8.7	6.5	4.4	4.4	4.4	4.4	4.4
-2.5°	10.7	7.2	4.6	4.4	4.4	4.4	4.4
-5°	12.7	7.9	4.8	4.4	4.4	4.4	4.4
-7.5°	14.5	8.5	4.9	4.4	4.4	4.4	4.4
-10°	16.2	9.1	5.1	4.4	4.4	4.4	4.4
-12.5°	17.7	9.6	5.2	4.4	4.4	4.4	4.4
-15°	18.9	10.0	5.3	4.4	4.4	4.4	4.4
-17.5°	19.9	10.2	5.4	4.4	4.4	4.4	4.4
-20°	20.7	10.4	5.5	4.4	4.4	4.4	4.4



REPORT NUMBER: P731702 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.5	10.4	5.5	4.4	4.4	4.4	4.4
-25°	21.8	10.5	5.5	4.4	4.4	4.4	4.4
-27.5°	21.7	10.5	5.5	4.4	4.4	4.4	4.4
-30°	21.2	10.2	5.4	4.4	4.4	4.4	4.4
-32.5°	20.1	9.8	5.5	4.4	4.4	4.4	4.4
-35°	19.3	9.2	5.5	4.4	4.4	4.4	4.4
-37.5°	18.5	8.7	5.5	4.4	4.4	4.4	4.4
-40°	17.4	8.7	5.5	4.4	4.4	4.4	4.4
-42.5°	16.0	8.6	5.5	4.4	4.4	4.4	4.4
-45°	14.3	8.5	5.6	4.5	4.4	4.4	4.4
-47.5°	12.3	8.3	5.6	4.5	4.4	4.4	4.4
-50°	11.7	8.0	5.6	4.5	4.4	4.4	4.4
-52.5°	11.3	7.7	5.6	4.6	4.4	4.4	4.4
-55°	10.8	7.5	5.5	4.6	4.4	4.4	4.4
-57.5°	10.2	7.2	5.3	4.6	4.4	4.4	4.4
-60°	9.6	6.9	5.2	4.6	4.4	4.4	4.4
-62.5°	8.9	6.5	5.1	4.5	4.4	4.4	4.4
-65°	8.2	6.0	5.0	4.5	4.4	4.4	4.4
-67.5°	7.3	5.6	4.9	4.5	4.4	4.4	4.4
-70°	6.4	5.4	4.7	4.4	4.4	4.4	4.4
-72.5°	5.9	5.1	4.6	4.4	4.4	4.4	4.4
-75°	5.5	4.8	4.4	4.4	4.4	4.4	4.4
-77.5°	5.0	4.5	4.4	4.4	4.4	4.4	4.4
-80°	4.5	4.4	4.4	4.4	4.4	4.4	4.4
-82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-90°	2.2	2.2	2.2	2.2	2.2	3.3	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

