

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: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-5S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-80-5S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

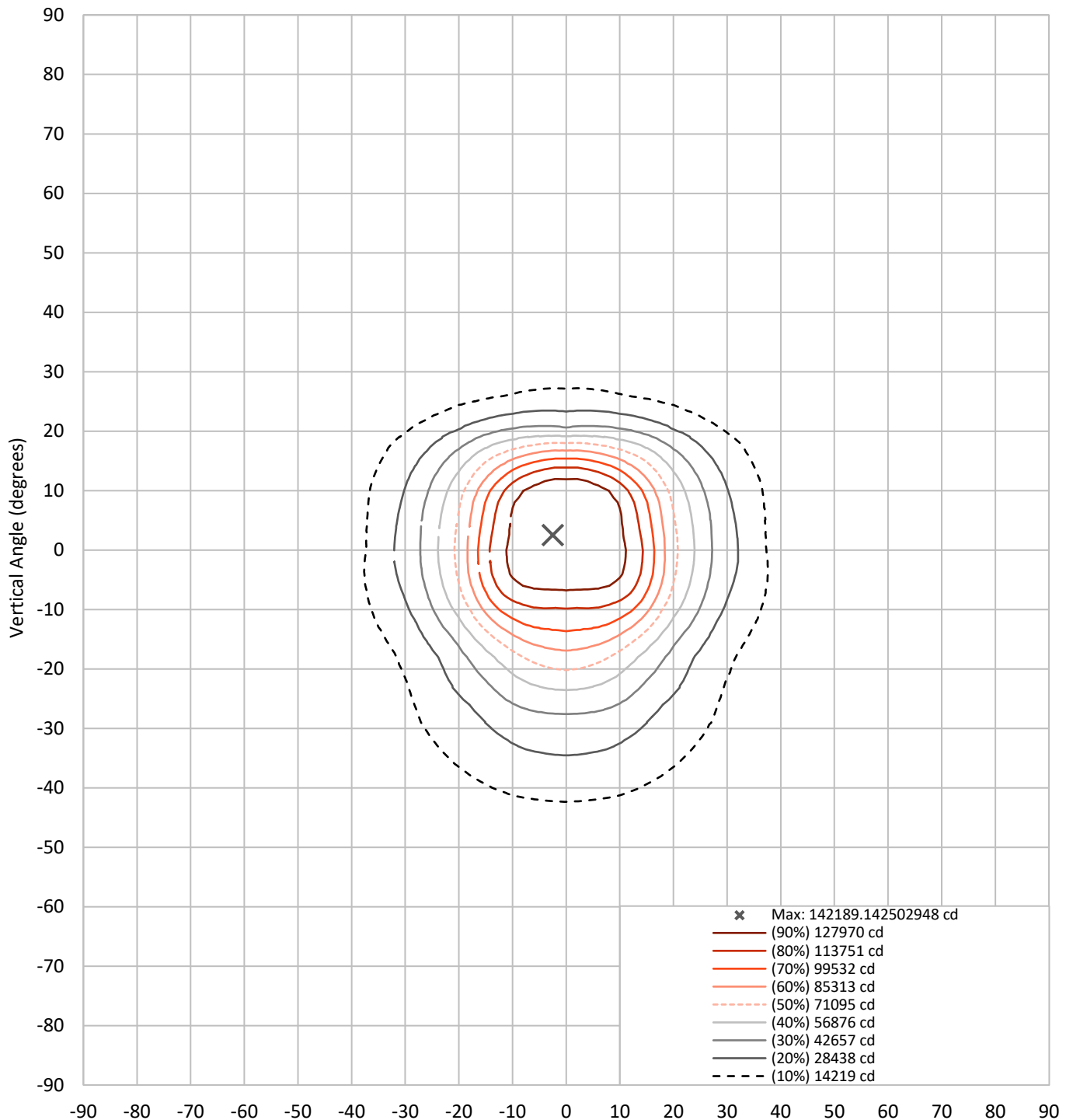
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	75912.6 lumens	Max Intensity:	142189.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	108.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	41828.3 lumens	Field Lumens:	70597.3 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

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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CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV1

### Iso-Candela Plot





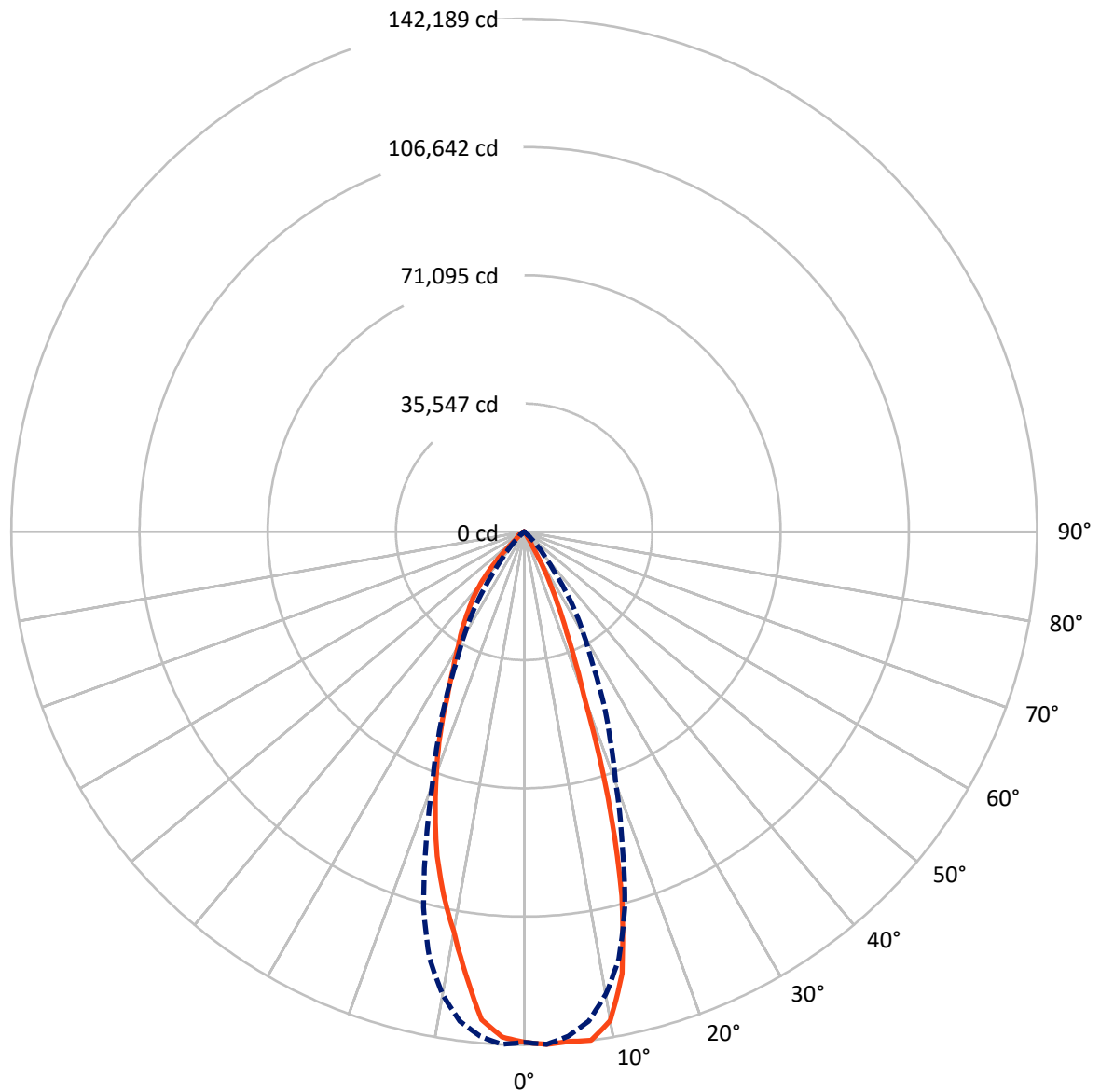
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### Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
50		0.1	0.2	0.7	0.8	0.4	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.8	1.0	1.2	1.1	1.1	1.2	1.0	0.8	0.5	0.3	0.1	0.2
30		0.2	0.8	2.3	5.0	10.7	25.3	36.1	36.1	25.3	10.7	5.0	2.3	0.8	0.2	
20	0.2	0.4	4.1	15.2	82.8	254.1	511.4	688.0	688.0	511.4	254.1	82.8	15.2	4.1	0.4	0.2
10		1.2	9.9	54.7	341.1	971.1	2013.0	2899.1	2899.1	2013.0	971.1	341.1	54.7	9.9	1.2	
0	0.2	1.9	13.4	86.3	490.3	1396.9	3018.3	4173.8	4173.8	3018.3	1396.9	490.3	86.3	13.4	1.9	0.2
-10		2.3	14.3	90.3	493.8	1361.9	2974.4	3942.5	3942.5	2974.4	1361.9	493.8	90.3	14.3	2.3	
-20	0.4	2.7	13.8	60.6	324.6	898.3	1910.9	2718.0	2718.0	1910.9	898.3	324.6	60.6	13.8	2.7	0.4
-30		2.7	13.1	33.7	191.3	550.2	1069.4	1512.4	1512.4	1069.4	550.2	191.3	33.7	13.1	2.7	
-40	0.3	2.1	10.6	25.1	76.9	303.3	591.8	809.8	809.8	591.8	303.3	76.9	25.1	10.6	2.1	0.3
-50		1.4	6.9	19.6	37.8	70.5	167.2	259.9	259.9	167.2	70.5	37.8	19.6	6.9	1.4	
-60	0.2	0.7	3.4	10.7	23.2	37.8	51.5	59.7	59.7	51.5	37.8	23.2	10.7	3.4	0.7	0.2
-70		0.3	1.2	3.6	7.9	13.5	20.0	23.5	23.5	20.0	13.5	7.9	3.6	1.2	0.3	
-80																
-90	0.2	0.7		2.7		6.4		8.5		6.4		2.7		0.7		0.2

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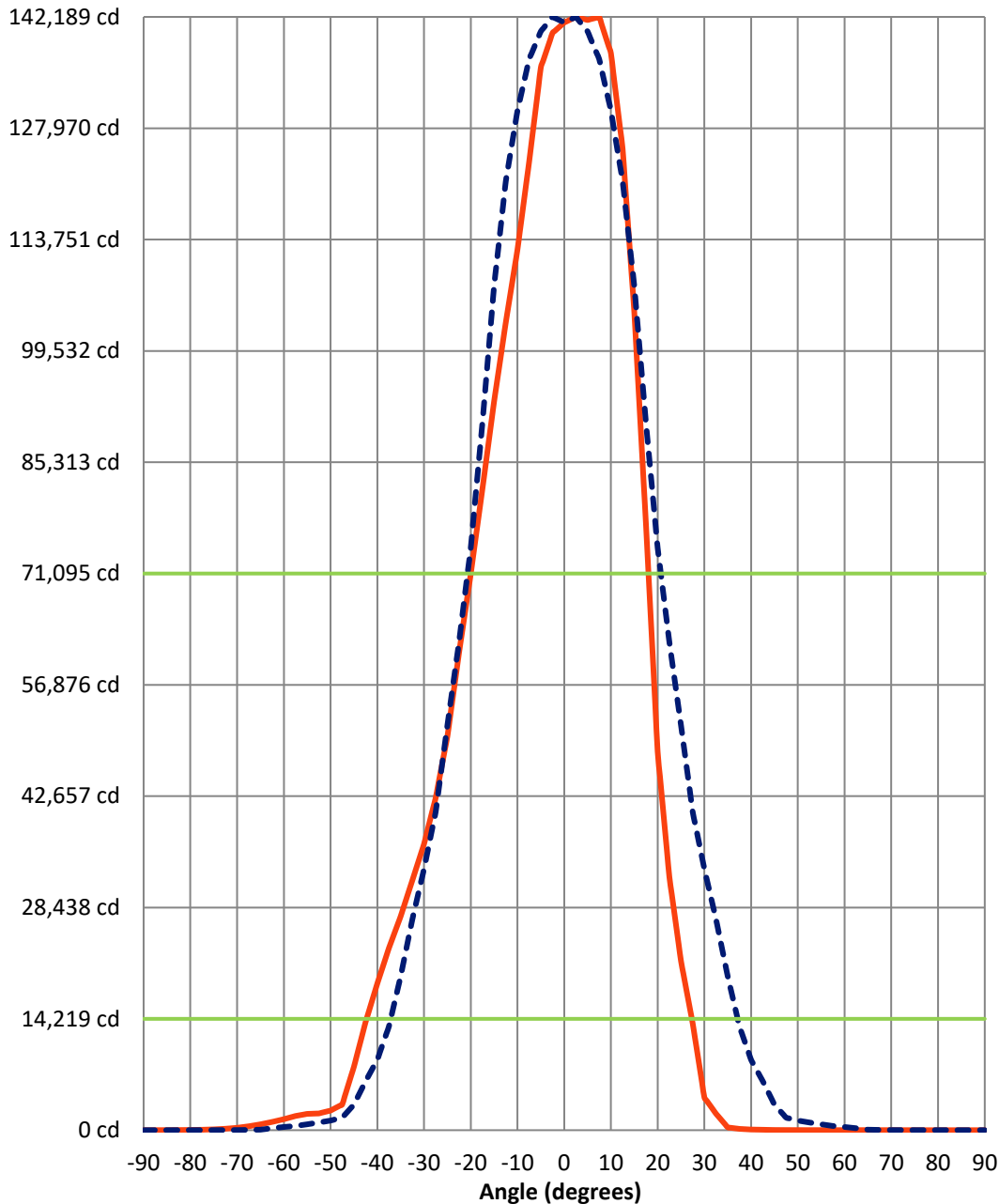
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.4°  
 V Angle: 38°  
 Lumens: 41828.3  
 Efficiency: 55.1%

**Field:**  
 H Angle: 74.2°  
 V Angle: 69.6°  
 Lumens: 70597.3  
 Efficiency: 93.0%

**Spill:**  
 Lumens: 5315.3  
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 2.5-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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1
85°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1
82.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.6	5.2	4.8	4.7
80°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.7	5.5	5.4	5.5
77.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.9	5.8	6.0	6.1
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.1	6.1	6.1
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
57.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.1	6.3
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.3	6.2	6.1	6.2	6.6
52.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.5	6.3	6.1	6.6	7.0
50°	6.1	6.1	6.1	6.1	6.1	6.3	6.7	6.4	6.3	7.1	8.1
47.5°	6.1	6.1	6.1	6.1	6.1	6.5	6.9	6.5	6.8	7.7	9.1
45°	6.1	6.1	6.1	6.1	6.1	6.7	7.0	6.6	7.4	8.5	10.1
42.5°	6.1	6.1	6.1	6.1	6.1	7.0	7.0	6.9	8.0	9.2	10.7
40°	6.1	6.1	6.1	6.1	6.2	7.2	7.1	7.5	8.6	9.8	11.3
37.5°	6.1	6.1	6.1	6.2	6.4	7.5	7.2	8.0	9.2	10.5	11.9
35°	6.1	6.1	6.1	6.2	6.6	7.7	7.4	8.5	9.8	11.2	12.6
32.5°	6.1	6.1	6.1	6.3	6.8	7.7	7.6	9.0	10.4	12.0	14.3
30°	6.1	6.1	6.1	6.4	7.0	7.8	7.9	9.4	10.9	12.9	16.3
27.5°	6.1	6.1	6.1	6.5	7.3	7.9	8.3	9.9	11.5	13.7	18.5
25°	6.1	6.1	6.1	6.6	7.5	8.0	8.7	10.3	12.2	15.2	21.1
22.5°	6.1	6.1	6.1	6.8	7.6	8.1	9.0	10.7	12.9	17.2	25.9
20°	6.1	6.1	6.1	6.9	7.8	8.1	9.4	11.1	13.6	19.2	31.1
17.5°	6.1	6.1	6.1	7.0	7.9	8.1	9.6	11.4	14.3	21.3	36.5
15°	6.1	6.1	6.1	7.2	8.0	8.1	9.8	11.7	15.0	23.5	42.1
12.5°	6.1	6.1	6.1	7.4	8.0	8.1	9.9	11.9	15.6	25.6	47.7
10°	6.1	6.1	6.1	7.5	8.1	8.1	10.0	12.0	16.3	28.0	53.3
7.5°	6.1	6.1	6.1	7.7	8.1	8.1	10.1	12.1	16.9	30.4	58.4
5°	6.1	6.1	6.1	7.8	8.1	8.1	10.2	12.1	17.4	32.7	63.2
2.5°	6.1	6.1	6.1	8.0	8.1	8.1	10.2	12.2	17.9	34.8	67.5
0°	6.1	6.1	6.1	8.1	8.1	8.1	10.2	12.2	18.3	36.6	71.1
-2.5°	6.1	6.1	6.2	8.1	8.1	8.3	10.7	14.4	24.5	47.8	88.7
-5°	6.1	6.1	6.3	8.1	8.1	8.6	11.2	16.5	30.4	58.3	105.3
-7.5°	6.1	6.1	6.4	8.1	8.1	8.8	11.7	18.5	35.8	68.1	120.4
-10°	6.1	6.1	6.4	8.0	8.1	9.0	12.0	20.2	40.6	76.7	133.7
-12.5°	6.1	6.1	6.5	8.0	8.1	9.1	12.4	21.6	44.6	84.2	146.5
-15°	6.1	6.1	6.6	8.0	8.1	9.2	12.6	22.6	48.2	91.5	157.4
-17.5°	6.1	6.1	6.6	7.9	8.1	9.3	12.8	24.3	51.8	97.1	165.4
-20°	6.1	6.1	6.7	7.9	8.1	9.4	13.3	26.3	54.3	100.7	170.0



REPORT NUMBER: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.1	6.1	6.7	7.9	8.1	9.4	14.4	27.7	55.5	102.3	171.2
-25°	6.1	6.1	6.8	7.9	8.1	9.5	15.1	28.5	55.4	101.7	168.5
-27.5°	6.1	6.1	6.8	7.9	8.1	9.7	15.5	28.5	53.9	99.8	167.3
-30°	6.1	6.1	6.8	7.9	8.1	9.7	15.5	27.9	53.0	97.9	163.3
-32.5°	6.1	6.1	6.8	7.9	8.2	9.6	15.2	27.7	52.1	94.1	156.2
-35°	6.1	6.1	6.8	8.0	8.3	9.4	14.9	27.2	50.2	88.3	145.8
-37.5°	6.1	6.1	6.8	8.0	8.4	9.2	14.6	26.2	47.2	80.4	132.5
-40°	6.1	6.1	6.8	8.1	8.4	9.3	14.0	24.5	43.1	74.6	119.4
-42.5°	6.1	6.1	6.7	8.1	8.5	9.3	13.2	22.3	39.7	67.6	104.7
-45°	6.1	6.1	6.7	8.1	8.5	9.3	12.2	20.1	36.3	59.7	89.5
-47.5°	6.1	6.1	6.6	8.1	8.5	9.3	10.9	18.5	32.1	51.0	79.6
-50°	6.1	6.1	6.5	8.0	8.4	9.3	10.6	16.5	26.9	44.9	68.8
-52.5°	6.1	6.1	6.4	7.8	8.4	9.2	10.4	14.3	23.3	38.2	57.6
-55°	6.1	6.1	6.3	7.6	8.3	9.0	10.3	11.9	20.1	30.8	48.9
-57.5°	6.1	6.1	6.2	7.4	8.2	8.9	10.0	11.6	16.6	25.8	39.5
-60°	6.1	6.1	6.1	7.2	8.1	8.7	9.7	11.2	13.5	21.3	30.9
-62.5°	6.1	6.1	6.1	7.1	7.9	8.5	9.4	10.8	12.8	16.4	25.2
-65°	6.1	6.1	6.1	6.9	7.7	8.2	9.0	10.2	11.9	14.4	19.0
-67.5°	6.1	6.1	6.1	6.7	7.6	8.0	8.6	9.7	10.9	13.0	15.8
-70°	6.1	6.1	6.1	6.5	7.4	7.9	8.2	9.2	10.3	11.5	13.7
-72.5°	6.1	6.1	6.1	6.5	7.2	7.8	8.1	8.6	9.7	10.8	11.8
-75°	6.1	6.1	6.1	6.4	7.1	7.7	8.1	8.4	9.1	10.1	11.1
-77.5°	6.1	6.1	6.1	6.4	6.9	7.6	8.1	8.3	8.8	9.4	10.3
-80°	6.1	6.1	6.1	6.3	6.8	7.4	8.1	8.2	8.5	8.9	9.5
-82.5°	6.1	6.1	6.1	6.3	6.6	7.1	7.6	7.9	8.1	8.3	8.6
-85°	6.1	6.1	6.1	6.2	6.4	6.7	7.1	7.3	7.5	7.6	7.8
-87.5°	6.1	6.1	6.1	6.2	6.3	6.4	6.6	6.7	6.8	6.9	6.9
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	5.4	5.2	4.7	4.2	4.3	4.6	5.1	5.7	5.6	5.2	4.9
77.5°	5.7	5.2	4.7	4.2	4.5	5.2	5.7	6.0	6.0	5.9	6.0
75°	5.8	5.3	5.0	5.0	5.5	5.9	6.1	6.5	6.8	6.8	6.6
72.5°	5.9	5.7	5.7	6.1	6.2	6.4	6.9	7.7	8.1	8.0	7.9
70°	6.0	6.1	6.1	6.1	6.2	6.9	8.0	9.0	9.7	10.1	11.1
67.5°	6.1	6.1	6.1	6.2	6.9	8.1	9.2	11.6	14.6	15.8	16.9
65°	6.1	6.1	6.3	7.0	8.0	9.6	12.2	15.7	21.7	24.6	25.8
62.5°	6.1	6.2	6.8	7.9	9.1	11.3	16.4	23.1	30.7	34.8	34.0
60°	6.1	6.3	7.7	9.2	10.8	15.4	22.1	29.9	39.6	46.5	41.7
57.5°	6.3	7.2	9.2	11.2	14.5	19.1	25.9	35.3	45.1	55.6	48.0
55°	7.0	8.9	10.8	13.6	17.3	20.7	27.6	36.3	47.2	53.8	47.3
52.5°	8.5	10.4	12.2	15.4	18.9	21.7	25.8	34.0	40.4	45.8	42.2
50°	9.9	11.2	13.2	16.8	20.0	21.7	21.4	27.6	33.0	35.4	35.9
47.5°	10.7	12.0	14.4	18.1	20.6	21.1	19.2	22.3	26.3	28.8	28.1
45°	11.4	13.4	16.0	19.1	21.0	20.3	20.0	18.8	23.9	26.1	26.5
42.5°	12.1	14.9	18.0	20.4	21.2	22.3	22.7	22.9	25.5	30.5	33.1
40°	13.4	16.4	20.4	22.5	22.9	26.4	30.0	32.8	34.6	41.5	46.4
37.5°	14.6	18.9	23.7	27.4	27.9	34.1	39.7	57.7	61.3	56.0	73.7
35°	15.8	21.7	30.0	38.6	43.5	45.1	69.9	94.3	104.7	102.5	117.4
32.5°	17.9	24.8	38.2	57.7	77.0	81.9	108.4	149.6	186.4	201.3	192.2
30°	21.4	32.5	51.3	82.0	125.6	173.7	181.2	227.0	301.4	362.1	452.9
27.5°	26.7	42.3	74.5	126.6	196.5	294.8	318.8	358.6	469.4	621.7	914.3
25°	32.8	67.4	101.1	186.0	315.4	430.6	476.0	551.0	679.5	1172.1	1845.7
22.5°	46.2	100.8	155.6	254.5	454.0	573.1	655.1	781.0	1086.3	1872.8	3184.1
20°	70.3	147.3	224.6	340.8	600.7	723.3	833.6	1025.0	1706.7	3169.2	5300.5
17.5°	98.7	197.5	295.9	445.0	679.8	847.5	1018.1	1275.2	2357.7	4681.1	7512.8
15°	130.4	250.5	363.0	535.1	749.1	929.4	1167.6	1760.2	3391.3	6407.4	9544.9
12.5°	164.3	305.2	425.7	612.1	813.3	1006.4	1290.1	2174.6	4468.6	7975.6	11632.7
10°	199.2	360.6	484.3	677.0	872.3	1077.7	1401.1	2553.3	5228.3	8563.9	12632.8
7.5°	220.9	395.1	531.7	730.9	925.5	1142.6	1499.5	2887.7	5765.8	8860.7	13044.9
5°	237.2	403.9	536.4	746.8	959.5	1194.4	1576.2	3168.2	6099.9	8902.7	13172.0
2.5°	249.7	407.4	537.3	751.7	980.0	1229.4	1602.4	3261.0	6253.0	8984.2	13260.0
0°	258.1	406.5	534.6	750.0	993.9	1256.1	1611.8	3278.5	6256.2	9036.8	13293.0
-2.5°	271.9	421.1	561.8	781.5	1009.6	1261.7	1625.0	3370.8	6559.7	9605.7	14296.1
-5°	281.7	431.9	584.4	806.1	1019.0	1259.0	1622.8	3375.8	6597.9	9737.6	14336.8
-7.5°	287.8	439.2	601.4	820.6	1010.8	1227.3	1567.3	3103.0	6017.3	9140.5	13362.7
-10°	291.4	448.4	613.5	812.1	980.7	1175.4	1488.6	2765.6	5323.1	8372.3	12185.5
-12.5°	298.1	459.1	621.4	802.2	952.6	1118.1	1396.0	2373.2	4534.6	7433.3	10821.4
-15°	300.2	466.2	625.4	792.5	929.1	1056.6	1289.9	1933.5	3744.5	6609.0	9471.0
-17.5°	297.5	469.5	625.7	784.6	912.4	991.6	1181.5	1553.5	3155.4	5808.6	8449.6
-20°	290.0	469.2	622.3	779.8	902.1	970.3	1145.8	1470.7	2649.1	4871.1	7484.5



REPORT NUMBER: P731730 (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°	277.6	465.3	616.3	771.5	901.1	989.9	1115.4	1366.4	2014.0	3788.5	6484.2
-25°	269.3	447.7	606.9	750.3	895.0	1011.1	1082.8	1254.8	1616.3	2961.6	5136.1
-27.5°	265.5	424.2	578.6	719.8	879.2	1023.2	1088.9	1214.3	1470.0	2053.4	3716.0
-30°	256.5	384.8	544.7	681.4	842.5	998.9	1113.0	1172.3	1337.6	1677.5	2655.6
-32.5°	238.5	344.3	499.9	639.7	791.5	963.0	1117.3	1175.8	1282.6	1478.4	1844.8
-35°	217.8	318.5	451.0	591.4	730.5	904.2	1067.4	1192.3	1239.2	1380.8	1636.8
-37.5°	199.6	288.2	401.2	537.3	671.9	831.8	1011.5	1156.8	1253.1	1315.2	1504.4
-40°	178.4	253.6	359.9	482.2	612.8	758.7	925.0	1094.7	1231.4	1348.9	1428.3
-42.5°	155.3	226.9	317.4	427.0	553.0	688.3	832.2	1000.2	1175.2	1342.6	1465.1
-45°	137.2	197.2	272.6	375.6	489.6	614.4	749.3	891.1	1074.0	1262.9	1433.9
-47.5°	117.3	167.2	236.1	319.6	425.2	539.6	662.0	796.1	946.8	1128.5	1324.9
-50°	98.1	143.0	196.0	270.6	358.9	462.8	574.6	691.9	825.2	976.3	1149.1
-52.5°	84.9	116.8	164.1	221.1	296.9	385.2	484.1	587.5	701.3	825.5	967.4
-55°	70.7	98.3	132.6	179.5	236.7	312.1	392.7	484.5	579.0	687.0	796.3
-57.5°	58.3	80.9	107.6	142.0	187.8	239.7	309.8	382.2	466.2	553.6	640.7
-60°	46.5	64.5	86.5	112.7	143.8	186.6	231.1	291.6	358.7	424.5	497.3
-62.5°	35.0	49.7	67.0	87.6	112.7	137.7	173.0	214.5	258.5	312.7	366.0
-65°	27.6	35.9	49.0	65.6	83.5	104.8	126.9	149.3	184.6	219.8	253.1
-67.5°	19.9	27.4	35.0	44.3	59.5	74.5	90.4	109.9	129.5	147.9	169.5
-70°	16.4	19.3	25.3	32.2	38.9	47.0	60.1	73.9	87.8	101.6	117.1
-72.5°	13.7	16.1	18.8	21.7	27.1	32.4	37.6	42.6	51.5	62.8	73.7
-75°	11.9	13.0	15.0	17.3	19.6	21.8	24.3	28.6	33.0	37.3	41.7
-77.5°	10.9	11.6	12.5	13.5	14.8	16.7	18.6	20.4	22.1	23.8	25.4
-80°	9.9	10.2	10.7	11.3	12.1	13.0	14.0	15.1	16.3	17.7	19.1
-82.5°	8.9	9.1	9.4	9.6	9.8	10.0	10.3	10.9	11.6	12.3	13.1
-85°	7.9	8.1	8.3	8.4	8.6	8.7	8.8	9.0	9.1	9.2	9.3
-87.5°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



REPORT NUMBER: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	4.7	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.1	5.7	5.2	4.7	4.2	4.1	4.1	4.1	4.1	3.6	3.1
75°	6.3	5.9	5.6	5.4	5.1	5.0	4.8	4.5	4.2	4.0	4.0
72.5°	7.8	7.6	7.5	7.7	7.7	7.5	7.1	6.6	5.9	5.8	5.9
70°	11.7	12.1	12.2	12.1	11.4	10.4	9.6	8.8	7.9	7.7	7.8
67.5°	18.0	18.3	17.7	16.4	14.2	12.4	11.3	10.1	8.7	8.3	8.9
65°	25.6	22.6	20.1	18.0	16.0	14.3	13.1	11.7	10.3	10.1	11.3
62.5°	30.5	24.0	20.3	18.5	17.3	16.1	14.2	12.6	11.1	10.3	10.5
60°	34.7	25.5	19.2	17.6	16.0	14.4	12.6	11.0	9.7	8.8	8.5
57.5°	36.7	26.1	17.7	15.4	13.2	11.0	10.1	9.6	8.9	8.1	8.6
55°	35.3	24.2	15.0	13.3	12.6	12.2	11.8	10.8	10.0	9.4	9.8
52.5°	30.3	22.0	16.0	13.9	13.3	12.7	12.1	11.9	11.7	11.5	11.7
50°	27.0	20.6	16.4	14.0	14.0	14.0	14.0	14.2	14.5	14.7	14.8
47.5°	24.1	19.4	18.4	16.1	16.5	17.7	18.0	18.3	19.4	19.2	18.7
45°	24.1	25.9	25.3	23.9	23.0	32.0	32.6	27.3	32.4	31.8	27.8
42.5°	35.3	37.8	38.3	47.1	63.6	62.8	61.2	69.2	63.7	55.7	50.1
40°	54.6	54.5	64.8	79.5	79.0	75.9	86.0	87.3	86.6	91.3	89.8
37.5°	86.9	87.9	92.6	101.5	117.0	109.7	131.6	145.8	148.0	167.7	182.9
35°	144.5	169.4	147.3	200.1	234.6	227.2	259.2	316.5	262.5	401.9	427.1
32.5°	271.0	326.8	369.7	430.0	507.9	623.0	631.5	1039.0	1120.6	1361.2	1690.0
30°	466.5	628.3	939.2	1020.3	1145.7	1622.6	2186.5	2892.1	3547.9	4016.4	4632.7
27.5°	1123.3	1390.5	2060.2	2787.7	2745.2	3636.4	5653.3	6273.7	7976.7	8543.3	9980.9
25°	2512.5	3152.6	4773.4	6217.9	6954.0	9301.9	11962.9	13162.9	15406.3	16599.1	18359.0
22.5°	4913.4	6669.3	8819.1	11037.4	13801.5	17396.5	20685.9	23087.0	26107.7	28532.8	29968.2
20°	7952.7	10382.3	13693.0	17138.9	21414.4	26137.2	29570.5	34435.1	38978.3	43292.4	45238.4
17.5°	10846.9	14906.2	18911.6	23070.6	28679.2	34857.0	40452.8	47567.4	55100.6	60893.7	65616.2
15°	13299.1	17816.0	23595.1	28565.6	34985.1	42689.0	51008.0	60103.7	70937.4	79171.5	88038.9
12.5°	15562.8	20092.0	26362.3	32298.7	40942.6	49643.5	59351.6	70653.2	83176.8	95357.2	106783.2
10°	17020.2	22240.2	28959.4	36171.5	45025.9	55129.4	66172.7	78833.5	94882.5	108807.8	121680.2
7.5°	17901.9	24199.3	31156.9	38847.3	48326.1	58723.0	70353.2	85278.7	102141.2	116686.6	128250.9
5°	18769.0	25804.4	32575.4	40137.2	50474.1	61053.9	72397.9	87369.6	104761.8	119321.0	129705.7
2.5°	19638.6	26909.4	33354.6	40650.5	51693.7	62371.2	74381.7	90332.1	107814.1	121185.4	130206.3
0°	20433.4	27303.5	33634.9	40779.4	52224.8	62946.6	75174.5	90924.8	110427.3	123287.3	132021.3
-2.5°	20721.6	27282.1	33331.8	40415.5	51781.4	62159.1	74328.9	91302.9	109502.7	122588.4	131457.0
-5°	19845.0	25798.5	31685.9	38860.9	49426.6	60138.4	72390.0	89221.1	106497.4	120044.4	128501.4
-7.5°	18196.7	23575.9	29366.6	36476.6	46076.5	56427.9	67580.9	82282.5	99290.6	111911.0	118571.7
-10°	16471.4	21085.3	26555.7	33136.3	41596.1	51426.4	60671.1	73180.6	88900.4	100089.1	106905.7
-12.5°	14499.2	18243.3	23292.5	29044.3	36595.6	45165.7	53621.3	64202.0	76207.4	87715.4	94812.0
-15°	12428.7	15441.9	19829.0	25348.3	31311.9	37722.1	45541.3	54112.2	63685.0	73012.8	81097.2
-17.5°	10771.5	13096.7	17122.6	22082.7	26630.0	31830.3	39451.5	46419.1	53425.0	60947.9	67682.8
-20°	9705.6	11888.2	15140.2	19281.6	23792.6	29034.7	34924.1	41018.2	47530.6	53306.5	59242.5



REPORT NUMBER: P731730 (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°	8854.9	11098.2	13607.4	17058.9	21860.3	26676.3	31206.8	35870.5	41273.4	47173.2	52146.0
-25°	7749.8	10102.3	12486.2	15769.0	19811.5	24068.3	27403.8	30724.3	35599.3	40616.7	44727.6
-27.5°	6213.0	8872.9	11656.1	14328.1	17774.1	20801.6	23732.6	26741.9	30992.7	35228.0	38299.5
-30°	4433.5	7505.7	10396.2	13126.5	15492.4	17876.4	20327.8	23408.4	26961.8	30369.6	32980.6
-32.5°	3244.1	5546.1	8672.0	11458.6	13774.0	15769.7	17652.3	20393.4	23173.5	25906.0	28401.6
-35°	2070.1	3752.6	6188.4	9026.0	11744.3	13863.0	15910.0	17896.1	19985.5	22314.4	24474.0
-37.5°	1782.4	2234.8	3731.2	5848.2	8453.4	11222.0	13234.5	15211.7	17344.5	19094.3	20909.8
-40°	1615.4	1851.7	2230.8	2981.7	4948.8	6902.0	9163.1	11277.8	13316.4	15112.4	16771.5
-42.5°	1542.4	1683.9	1836.9	2121.8	2439.2	3375.7	5024.1	6563.9	8378.4	10181.1	11755.7
-45°	1579.3	1628.0	1705.9	1845.9	1975.8	2239.6	2517.4	2807.6	4047.5	5347.6	6461.6
-47.5°	1478.3	1619.9	1695.4	1756.3	1823.1	1937.9	2056.7	2218.3	2497.8	2781.1	3005.6
-50°	1310.5	1461.4	1593.9	1724.6	1787.8	1833.6	1882.6	1977.3	2107.0	2240.4	2338.7
-52.5°	1101.8	1247.8	1393.6	1526.0	1633.9	1738.1	1841.2	1918.7	1986.5	2053.5	2085.8
-55°	915.1	1036.9	1154.4	1273.6	1391.2	1502.7	1617.0	1733.1	1841.0	1940.8	1990.1
-57.5°	739.6	841.7	942.8	1033.7	1127.4	1222.8	1328.6	1441.4	1553.1	1657.5	1711.4
-60°	573.1	651.4	734.1	808.3	878.0	943.2	1034.6	1127.2	1215.9	1291.5	1331.6
-62.5°	419.0	479.8	542.6	601.5	657.4	712.7	781.5	848.6	912.9	964.9	995.3
-65°	290.5	335.7	377.8	418.6	458.1	505.4	557.5	607.6	655.2	690.8	710.8
-67.5°	198.2	225.1	248.7	270.7	299.1	332.4	368.8	403.2	435.2	458.5	473.8
-70°	132.5	147.1	160.0	174.9	192.9	211.1	230.9	250.4	269.3	282.4	290.5
-72.5°	84.0	93.3	102.2	112.4	122.1	131.7	141.3	150.2	158.3	165.9	172.9
-75°	46.1	51.0	58.0	64.5	70.5	77.0	83.3	88.8	93.7	97.0	99.4
-77.5°	28.2	31.4	34.2	36.8	39.1	42.0	45.1	48.4	51.8	53.9	55.7
-80°	20.4	21.4	22.5	23.5	24.6	25.5	26.2	26.9	27.4	28.2	29.0
-82.5°	13.9	14.5	15.0	15.5	16.0	16.9	17.8	18.6	19.4	20.2	20.9
-85°	9.4	9.4	9.4	9.4	9.4	10.0	10.6	11.2	11.8	11.9	12.0
-87.5°	7.7	7.4	7.0	6.5	6.1	6.1	6.0	6.0	6.0	6.1	6.1
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0



REPORT NUMBER: P731730 (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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.6	4.1	4.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.5
72.5°	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.9	6.6
70°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.8	7.7	7.9	8.8
67.5°	9.4	10.0	10.2	10.2	10.2	10.0	9.4	8.9	8.3	8.7	10.1
65°	12.6	13.8	13.3	12.2	13.3	13.8	12.6	11.3	10.1	10.3	11.7
62.5°	10.5	10.4	10.2	10.2	10.2	10.4	10.5	10.5	10.3	11.1	12.6
60°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.5	8.8	9.7	11.0
57.5°	9.2	9.9	10.2	10.2	10.2	9.9	9.2	8.6	8.1	8.9	9.6
55°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	9.8	9.4	10.0	10.8
52.5°	11.9	12.1	12.2	12.2	12.2	12.1	11.9	11.7	11.5	11.7	11.9
50°	14.7	14.3	14.2	14.2	14.2	14.3	14.7	14.8	14.7	14.5	14.2
47.5°	18.6	18.3	18.2	18.3	18.2	18.3	18.6	18.7	19.2	19.4	18.3
45°	27.8	26.9	26.2	26.4	26.2	26.9	27.8	27.8	31.8	32.4	27.3
42.5°	53.1	55.0	57.2	61.0	57.2	55.0	53.1	50.1	55.7	63.7	69.2
40°	90.7	88.1	84.7	85.4	84.7	88.1	90.7	89.8	91.3	86.6	87.3
37.5°	188.6	181.5	167.8	158.5	167.8	181.5	188.6	182.9	167.7	148.0	145.8
35°	387.5	378.3	356.0	349.6	356.0	378.3	387.5	427.1	401.9	262.5	316.5
32.5°	1823.9	2033.1	2098.8	2101.7	2098.8	2033.1	1823.9	1690.0	1361.2	1120.6	1039.0
30°	4680.7	4629.8	4178.2	3713.5	4178.2	4629.8	4680.7	4632.7	4016.4	3547.9	2892.1
27.5°	11265.0	12641.2	13635.2	13313.3	13635.2	12641.2	11265.0	9980.9	8543.3	7976.7	6273.7
25°	20289.3	21263.2	21582.8	21108.2	21582.8	21263.2	20289.3	18359.0	16599.1	15406.3	13162.9
22.5°	31853.8	32438.7	32387.7	31319.8	32387.7	32438.7	31853.8	29968.2	28532.8	26107.7	23087.0
20°	47969.2	47876.0	48355.2	46181.9	48355.2	47876.0	47969.2	45238.4	43292.4	38978.3	34435.1
17.5°	70762.2	74505.8	77356.1	77083.1	77356.1	74505.8	70762.2	65616.2	60893.7	55100.6	47567.4
15°	94974.5	100631.0	104497.4	104748.3	104497.4	100631.0	94974.5	88038.9	79171.5	70937.4	60103.7
12.5°	116021.6	122070.8	125354.4	124855.5	125354.4	122070.8	116021.6	106783.2	95357.2	83176.8	70653.2
10°	129429.1	134085.3	137541.1	138399.5	137541.1	134085.3	129429.1	121680.2	108807.8	94882.5	78833.5
7.5°	134805.4	139163.2	142175.5	142130.3	142175.5	139163.2	134805.4	128250.9	116686.6	102141.2	85278.7
5°	135800.3	140090.9	141795.9	142119.1	141795.9	140090.9	135800.3	129705.7	119321.0	104761.8	87369.6
2.5°	136778.7	140335.9	142189.1	141484.9	142189.1	140335.9	136778.7	130206.3	121185.4	107814.1	90332.1
0°	137161.6	140013.3	141461.6	141013.4	141461.6	140013.3	137161.6	132021.3	123287.3	110427.3	90924.8
-2.5°	137030.5	138906.4	140132.2	139708.4	140132.2	138906.4	137030.5	131457.0	122588.4	109502.7	91302.9
-5°	133523.9	135139.3	135710.5	136023.4	135710.5	135139.3	133523.9	128501.4	120044.4	106497.4	89221.1
-7.5°	122254.9	124378.2	123695.5	124725.4	123695.5	124378.2	122254.9	118571.7	111911.0	99290.6	82282.5
-10°	111107.0	113173.2	112464.3	113128.6	112464.3	113173.2	111107.0	106905.7	100089.1	88900.4	73180.6
-12.5°	100594.7	103193.8	103155.2	104097.9	103155.2	103193.8	100594.7	94812.0	87715.4	76207.4	64202.0
-15°	87956.4	91266.5	93069.3	94225.7	93069.3	91266.5	87956.4	81097.2	73012.8	63685.0	54112.2
-17.5°	74606.0	78862.8	81895.5	82361.6	81895.5	78862.8	74606.0	67682.8	60947.9	53425.0	46419.1
-20°	64342.3	68179.9	71034.2	71954.9	71034.2	68179.9	64342.3	59242.5	53306.5	47530.6	41018.2



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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°	55744.3	58911.2	60974.9	61483.1	60974.9	58911.2	55744.3	52146.0	47173.2	41273.4	35870.5
-25°	47421.0	49191.8	50275.0	50684.1	50275.0	49191.8	47421.0	44727.6	40616.7	35599.3	30724.3
-27.5°	40647.0	41909.9	42450.8	42663.6	42450.8	41909.9	40647.0	38299.5	35228.0	30992.7	26741.9
-30°	34976.4	35946.2	36540.5	36761.0	36540.5	35946.2	34976.4	32980.6	30369.6	26961.8	23408.4
-32.5°	30308.5	31273.9	31900.1	32124.7	31900.1	31273.9	30308.5	28401.6	25906.0	23173.5	20393.4
-35°	25937.9	26735.9	27306.4	27571.8	27306.4	26735.9	25937.9	24474.0	22314.4	19985.5	17896.1
-37.5°	22074.7	22794.6	23269.7	23417.2	23269.7	22794.6	22074.7	20909.8	19094.3	17344.5	15211.7
-40°	17706.2	18355.9	18717.3	18699.6	18717.3	18355.9	17706.2	16771.5	15112.4	13316.4	11277.8
-42.5°	12686.1	13342.3	13806.2	14154.8	13806.2	13342.3	12686.1	11755.7	10181.1	8378.4	6563.9
-45°	7207.2	7746.4	8093.5	8256.3	8093.5	7746.4	7207.2	6461.6	5347.6	4047.5	2807.6
-47.5°	3139.0	3236.8	3286.1	3286.7	3286.1	3236.8	3139.0	3005.6	2781.1	2497.8	2218.3
-50°	2409.9	2471.4	2506.9	2516.3	2506.9	2471.4	2409.9	2338.7	2240.4	2107.0	1977.3
-52.5°	2108.5	2129.8	2139.4	2140.3	2139.4	2129.8	2108.5	2085.8	2053.5	1986.5	1918.7
-55°	2031.8	2067.3	2081.4	2079.3	2081.4	2067.3	2031.8	1990.1	1940.8	1841.0	1733.1
-57.5°	1756.5	1791.8	1812.2	1819.1	1812.2	1791.8	1756.5	1711.4	1657.5	1553.1	1441.4
-60°	1362.7	1384.9	1404.1	1416.7	1404.1	1384.9	1362.7	1331.6	1291.5	1215.9	1127.2
-62.5°	1019.9	1038.5	1056.5	1069.1	1056.5	1038.5	1019.9	995.3	964.9	912.9	848.6
-65°	725.4	734.7	749.6	762.2	749.6	734.7	725.4	710.8	690.8	655.2	607.6
-67.5°	486.0	494.8	500.2	502.0	500.2	494.8	486.0	473.8	458.5	435.2	403.2
-70°	296.1	299.4	305.7	311.0	305.7	299.4	296.1	290.5	282.4	269.3	250.4
-72.5°	179.1	184.5	184.5	182.9	184.5	184.5	179.1	172.9	165.9	158.3	150.2
-75°	101.3	102.7	103.4	103.7	103.4	102.7	101.3	99.4	97.0	93.7	88.8
-77.5°	57.1	58.3	57.8	56.9	57.8	58.3	57.1	55.7	53.9	51.8	48.4
-80°	29.7	30.4	30.5	30.5	30.5	30.4	29.7	29.0	28.2	27.4	26.9
-82.5°	21.6	22.3	21.3	20.3	21.3	22.3	21.6	20.9	20.2	19.4	18.6
-85°	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8	11.2
-87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0
-90°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	4.1	4.1	4.1	4.4	4.6	4.7	4.7	4.9	5.2	5.6	5.7
77.5°	4.1	4.1	4.2	4.7	5.2	5.7	6.1	6.0	5.9	6.0	6.0
75°	4.8	5.0	5.1	5.4	5.6	5.9	6.3	6.6	6.8	6.8	6.5
72.5°	7.1	7.5	7.7	7.7	7.5	7.6	7.8	7.9	8.0	8.1	7.7
70°	9.6	10.4	11.4	12.1	12.2	12.1	11.7	11.1	10.1	9.7	9.0
67.5°	11.3	12.4	14.2	16.4	17.7	18.3	18.0	16.9	15.8	14.6	11.6
65°	13.1	14.3	16.0	18.0	20.1	22.6	25.6	25.8	24.6	21.7	15.7
62.5°	14.2	16.1	17.3	18.5	20.3	24.0	30.5	34.0	34.8	30.7	23.1
60°	12.6	14.4	16.0	17.6	19.2	25.5	34.7	41.7	46.5	39.6	29.9
57.5°	10.1	11.0	13.2	15.4	17.7	26.1	36.7	48.0	55.6	45.1	35.3
55°	11.8	12.2	12.6	13.3	15.0	24.2	35.3	47.3	53.8	47.2	36.3
52.5°	12.1	12.7	13.3	13.9	16.0	22.0	30.3	42.2	45.8	40.4	34.0
50°	14.0	14.0	14.0	14.0	16.4	20.6	27.0	35.9	35.4	33.0	27.6
47.5°	18.0	17.7	16.5	16.1	18.4	19.4	24.1	28.1	28.8	26.3	22.3
45°	32.6	32.0	23.0	23.9	25.3	25.9	24.1	26.5	26.1	23.9	18.8
42.5°	61.2	62.8	63.6	47.1	38.3	37.8	35.3	33.1	30.5	25.5	22.9
40°	86.0	75.9	79.0	79.5	64.8	54.5	54.6	46.4	41.5	34.6	32.8
37.5°	131.6	109.7	117.0	101.5	92.6	87.9	86.9	73.7	56.0	61.3	57.7
35°	259.2	227.2	234.6	200.1	147.3	169.4	144.5	117.4	102.5	104.7	94.3
32.5°	631.5	623.0	507.9	430.0	369.7	326.8	271.0	192.2	201.3	186.4	149.6
30°	2186.5	1622.6	1145.7	1020.3	939.2	628.3	466.5	452.9	362.1	301.4	227.0
27.5°	5653.3	3636.4	2745.2	2787.7	2060.2	1390.5	1123.3	914.3	621.7	469.4	358.6
25°	11962.9	9301.9	6954.0	6217.9	4773.4	3152.6	2512.5	1845.7	1172.1	679.5	551.0
22.5°	20685.9	17396.5	13801.5	11037.4	8819.1	6669.3	4913.4	3184.1	1872.8	1086.3	781.0
20°	29570.5	26137.2	21414.4	17138.9	13693.0	10382.3	7952.7	5300.5	3169.2	1706.7	1025.0
17.5°	40452.8	34857.0	28679.2	23070.6	18911.6	14906.2	10846.9	7512.8	4681.1	2357.7	1275.2
15°	51008.0	42689.0	34985.1	28565.6	23595.1	17816.0	13299.1	9544.9	6407.4	3391.3	1760.2
12.5°	59351.6	49643.5	40942.6	32298.7	26362.3	20092.0	15562.8	11632.7	7975.6	4468.6	2174.6
10°	66172.7	55129.4	45025.9	36171.5	28959.4	22240.2	17020.2	12632.8	8563.9	5228.3	2553.3
7.5°	70353.2	58723.0	48326.1	38847.3	31156.9	24199.3	17901.9	13044.9	8860.7	5765.8	2887.7
5°	72397.9	61053.9	50474.1	40137.2	32575.4	25804.4	18769.0	13172.0	8902.7	6099.9	3168.2
2.5°	74381.7	62371.2	51693.7	40650.5	33354.6	26909.4	19638.6	13260.0	8984.2	6253.0	3261.0
0°	75174.5	62946.6	52224.8	40779.4	33634.9	27303.5	20433.4	13293.0	9036.8	6256.2	3278.5
-2.5°	74328.9	62159.1	51781.4	40415.5	33331.8	27282.1	20721.6	14296.1	9605.7	6559.7	3370.8
-5°	72390.0	60138.4	49426.6	38860.9	31685.9	25798.5	19845.0	14336.8	9737.6	6597.9	3375.8
-7.5°	67580.9	56427.9	46076.5	36476.6	29366.6	23575.9	18196.7	13362.7	9140.5	6017.3	3103.0
-10°	60671.1	51426.4	41596.1	33136.3	26555.7	21085.3	16471.4	12185.5	8372.3	5323.1	2765.6
-12.5°	53621.3	45165.7	36595.6	29044.3	23292.5	18243.3	14499.2	10821.4	7433.3	4534.6	2373.2
-15°	45541.3	37722.1	31311.9	25348.3	19829.0	15441.9	12428.7	9471.0	6609.0	3744.5	1933.5
-17.5°	39451.5	31830.3	26630.0	22082.7	17122.6	13096.7	10771.5	8449.6	5808.6	3155.4	1553.5
-20°	34924.1	29034.7	23792.6	19281.6	15140.2	11888.2	9705.6	7484.5	4871.1	2649.1	1470.7



REPORT NUMBER: P731730 (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°	31206.8	26676.3	21860.3	17058.9	13607.4	11098.2	8854.9	6484.2	3788.5	2014.0	1366.4
-25°	27403.8	24068.3	19811.5	15769.0	12486.2	10102.3	7749.8	5136.1	2961.6	1616.3	1254.8
-27.5°	23732.6	20801.6	17774.1	14328.1	11656.1	8872.9	6213.0	3716.0	2053.4	1470.0	1214.3
-30°	20327.8	17876.4	15492.4	13126.5	10396.2	7505.7	4433.5	2655.6	1677.5	1337.6	1172.3
-32.5°	17652.3	15769.7	13774.0	11458.6	8672.0	5546.1	3244.1	1844.8	1478.4	1282.6	1175.8
-35°	15910.0	13863.0	11744.3	9026.0	6188.4	3752.6	2070.1	1636.8	1380.8	1239.2	1192.3
-37.5°	13234.5	11222.0	8453.4	5848.2	3731.2	2234.8	1782.4	1504.4	1315.2	1253.1	1156.8
-40°	9163.1	6902.0	4948.8	2981.7	2230.8	1851.7	1615.4	1428.3	1348.9	1231.4	1094.7
-42.5°	5024.1	3375.7	2439.2	2121.8	1836.9	1683.9	1542.4	1465.1	1342.6	1175.2	1000.2
-45°	2517.4	2239.6	1975.8	1845.9	1705.9	1628.0	1579.3	1433.9	1262.9	1074.0	891.1
-47.5°	2056.7	1937.9	1823.1	1756.3	1695.4	1619.9	1478.3	1324.9	1128.5	946.8	796.1
-50°	1882.6	1833.6	1787.8	1724.6	1593.9	1461.4	1310.5	1149.1	976.3	825.2	691.9
-52.5°	1841.2	1738.1	1633.9	1526.0	1393.6	1247.8	1101.8	967.4	825.5	701.3	587.5
-55°	1617.0	1502.7	1391.2	1273.6	1154.4	1036.9	915.1	796.3	687.0	579.0	484.5
-57.5°	1328.6	1222.8	1127.4	1033.7	942.8	841.7	739.6	640.7	553.6	466.2	382.2
-60°	1034.6	943.2	878.0	808.3	734.1	651.4	573.1	497.3	424.5	358.7	291.6
-62.5°	781.5	712.7	657.4	601.5	542.6	479.8	419.0	366.0	312.7	258.5	214.5
-65°	557.5	505.4	458.1	418.6	377.8	335.7	290.5	253.1	219.8	184.6	149.3
-67.5°	368.8	332.4	299.1	270.7	248.7	225.1	198.2	169.5	147.9	129.5	109.9
-70°	230.9	211.1	192.9	174.9	160.0	147.1	132.5	117.1	101.6	87.8	73.9
-72.5°	141.3	131.7	122.1	112.4	102.2	93.3	84.0	73.7	62.8	51.5	42.6
-75°	83.3	77.0	70.5	64.5	58.0	51.0	46.1	41.7	37.3	33.0	28.6
-77.5°	45.1	42.0	39.1	36.8	34.2	31.4	28.2	25.4	23.8	22.1	20.4
-80°	26.2	25.5	24.6	23.5	22.5	21.4	20.4	19.1	17.7	16.3	15.1
-82.5°	17.8	16.9	16.0	15.5	15.0	14.5	13.9	13.1	12.3	11.6	10.9
-85°	10.6	10.0	9.4	9.4	9.4	9.4	9.4	9.3	9.2	9.1	9.0
-87.5°	6.0	6.1	6.1	6.5	7.0	7.4	7.7	7.7	7.6	7.6	7.5
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1





REPORT NUMBER: P731730 (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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6
82.5°	4.1	4.1	4.1	4.1	4.4	4.6	4.7	4.7	4.8	5.2	5.6
80°	5.1	4.6	4.3	4.2	4.7	5.2	5.4	5.5	5.4	5.5	5.7
77.5°	5.7	5.2	4.5	4.2	4.7	5.2	5.7	6.1	6.0	5.8	5.9
75°	6.1	5.9	5.5	5.0	5.0	5.3	5.8	6.1	6.1	6.1	6.0
72.5°	6.9	6.4	6.2	6.1	5.7	5.7	5.9	6.1	6.1	6.1	6.1
70°	8.0	6.9	6.2	6.1	6.1	6.1	6.0	6.1	6.1	6.1	6.1
67.5°	9.2	8.1	6.9	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1
65°	12.2	9.6	8.0	7.0	6.3	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	16.4	11.3	9.1	7.9	6.8	6.2	6.1	6.1	6.1	6.1	6.1
60°	22.1	15.4	10.8	9.2	7.7	6.3	6.1	6.1	6.1	6.1	6.1
57.5°	25.9	19.1	14.5	11.2	9.2	7.2	6.3	6.3	6.1	6.1	6.1
55°	27.6	20.7	17.3	13.6	10.8	8.9	7.0	6.6	6.2	6.1	6.2
52.5°	25.8	21.7	18.9	15.4	12.2	10.4	8.5	7.0	6.6	6.1	6.3
50°	21.4	21.7	20.0	16.8	13.2	11.2	9.9	8.1	7.1	6.3	6.4
47.5°	19.2	21.1	20.6	18.1	14.4	12.0	10.7	9.1	7.7	6.8	6.5
45°	20.0	20.3	21.0	19.1	16.0	13.4	11.4	10.1	8.5	7.4	6.6
42.5°	22.7	22.3	21.2	20.4	18.0	14.9	12.1	10.7	9.2	8.0	6.9
40°	30.0	26.4	22.9	22.5	20.4	16.4	13.4	11.3	9.8	8.6	7.5
37.5°	39.7	34.1	27.9	27.4	23.7	18.9	14.6	11.9	10.5	9.2	8.0
35°	69.9	45.1	43.5	38.6	30.0	21.7	15.8	12.6	11.2	9.8	8.5
32.5°	108.4	81.9	77.0	57.7	38.2	24.8	17.9	14.3	12.0	10.4	9.0
30°	181.2	173.7	125.6	82.0	51.3	32.5	21.4	16.3	12.9	10.9	9.4
27.5°	318.8	294.8	196.5	126.6	74.5	42.3	26.7	18.5	13.7	11.5	9.9
25°	476.0	430.6	315.4	186.0	101.1	67.4	32.8	21.1	15.2	12.2	10.3
22.5°	655.1	573.1	454.0	254.5	155.6	100.8	46.2	25.9	17.2	12.9	10.7
20°	833.6	723.3	600.7	340.8	224.6	147.3	70.3	31.1	19.2	13.6	11.1
17.5°	1018.1	847.5	679.8	445.0	295.9	197.5	98.7	36.5	21.3	14.3	11.4
15°	1167.6	929.4	749.1	535.1	363.0	250.5	130.4	42.1	23.5	15.0	11.7
12.5°	1290.1	1006.4	813.3	612.1	425.7	305.2	164.3	47.7	25.6	15.6	11.9
10°	1401.1	1077.7	872.3	677.0	484.3	360.6	199.2	53.3	28.0	16.3	12.0
7.5°	1499.5	1142.6	925.5	730.9	531.7	395.1	220.9	58.4	30.4	16.9	12.1
5°	1576.2	1194.4	959.5	746.8	536.4	403.9	237.2	63.2	32.7	17.4	12.1
2.5°	1602.4	1229.4	980.0	751.7	537.3	407.4	249.7	67.5	34.8	17.9	12.2
0°	1611.8	1256.1	993.9	750.0	534.6	406.5	258.1	71.1	36.6	18.3	12.2
-2.5°	1625.0	1261.7	1009.6	781.5	561.8	421.1	271.9	88.7	47.8	24.5	14.4
-5°	1622.8	1259.0	1019.0	806.1	584.4	431.9	281.7	105.3	58.3	30.4	16.5
-7.5°	1567.3	1227.3	1010.8	820.6	601.4	439.2	287.8	120.4	68.1	35.8	18.5
-10°	1488.6	1175.4	980.7	812.1	613.5	448.4	291.4	133.7	76.7	40.6	20.2
-12.5°	1396.0	1118.1	952.6	802.2	621.4	459.1	298.1	146.5	84.2	44.6	21.6
-15°	1289.9	1056.6	929.1	792.5	625.4	466.2	300.2	157.4	91.5	48.2	22.6
-17.5°	1181.5	991.6	912.4	784.6	625.7	469.5	297.5	165.4	97.1	51.8	24.3
-20°	1145.8	970.3	902.1	779.8	622.3	469.2	290.0	170.0	100.7	54.3	26.3



REPORT NUMBER: P731730 (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°	1115.4	989.9	901.1	771.5	616.3	465.3	277.6	171.2	102.3	55.5	27.7
-25°	1082.8	1011.1	895.0	750.3	606.9	447.7	269.3	168.5	101.7	55.4	28.5
-27.5°	1088.9	1023.2	879.2	719.8	578.6	424.2	265.5	167.3	99.8	53.9	28.5
-30°	1113.0	998.9	842.5	681.4	544.7	384.8	256.5	163.3	97.9	53.0	27.9
-32.5°	1117.3	963.0	791.5	639.7	499.9	344.3	238.5	156.2	94.1	52.1	27.7
-35°	1067.4	904.2	730.5	591.4	451.0	318.5	217.8	145.8	88.3	50.2	27.2
-37.5°	1011.5	831.8	671.9	537.3	401.2	288.2	199.6	132.5	80.4	47.2	26.2
-40°	925.0	758.7	612.8	482.2	359.9	253.6	178.4	119.4	74.6	43.1	24.5
-42.5°	832.2	688.3	553.0	427.0	317.4	226.9	155.3	104.7	67.6	39.7	22.3
-45°	749.3	614.4	489.6	375.6	272.6	197.2	137.2	89.5	59.7	36.3	20.1
-47.5°	662.0	539.6	425.2	319.6	236.1	167.2	117.3	79.6	51.0	32.1	18.5
-50°	574.6	462.8	358.9	270.6	196.0	143.0	98.1	68.8	44.9	26.9	16.5
-52.5°	484.1	385.2	296.9	221.1	164.1	116.8	84.9	57.6	38.2	23.3	14.3
-55°	392.7	312.1	236.7	179.5	132.6	98.3	70.7	48.9	30.8	20.1	11.9
-57.5°	309.8	239.7	187.8	142.0	107.6	80.9	58.3	39.5	25.8	16.6	11.6
-60°	231.1	186.6	143.8	112.7	86.5	64.5	46.5	30.9	21.3	13.5	11.2
-62.5°	173.0	137.7	112.7	87.6	67.0	49.7	35.0	25.2	16.4	12.8	10.8
-65°	126.9	104.8	83.5	65.6	49.0	35.9	27.6	19.0	14.4	11.9	10.2
-67.5°	90.4	74.5	59.5	44.3	35.0	27.4	19.9	15.8	13.0	10.9	9.7
-70°	60.1	47.0	38.9	32.2	25.3	19.3	16.4	13.7	11.5	10.3	9.2
-72.5°	37.6	32.4	27.1	21.7	18.8	16.1	13.7	11.8	10.8	9.7	8.6
-75°	24.3	21.8	19.6	17.3	15.0	13.0	11.9	11.1	10.1	9.1	8.4
-77.5°	18.6	16.7	14.8	13.5	12.5	11.6	10.9	10.3	9.4	8.8	8.3
-80°	14.0	13.0	12.1	11.3	10.7	10.2	9.9	9.5	8.9	8.5	8.2
-82.5°	10.3	10.0	9.8	9.6	9.4	9.1	8.9	8.6	8.3	8.1	7.9
-85°	8.8	8.7	8.6	8.4	8.3	8.1	7.9	7.8	7.6	7.5	7.3
-87.5°	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.9	6.8	6.7
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6



REPORT NUMBER: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
85°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
80°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1
57.5°	6.2	6.1	6.1	6.1	6.1	6.1	6.1
55°	6.3	6.1	6.1	6.1	6.1	6.1	6.1
52.5°	6.5	6.1	6.1	6.1	6.1	6.1	6.1
50°	6.7	6.3	6.1	6.1	6.1	6.1	6.1
47.5°	6.9	6.5	6.1	6.1	6.1	6.1	6.1
45°	7.0	6.7	6.1	6.1	6.1	6.1	6.1
42.5°	7.0	7.0	6.1	6.1	6.1	6.1	6.1
40°	7.1	7.2	6.2	6.1	6.1	6.1	6.1
37.5°	7.2	7.5	6.4	6.2	6.1	6.1	6.1
35°	7.4	7.7	6.6	6.2	6.1	6.1	6.1
32.5°	7.6	7.7	6.8	6.3	6.1	6.1	6.1
30°	7.9	7.8	7.0	6.4	6.1	6.1	6.1
27.5°	8.3	7.9	7.3	6.5	6.1	6.1	6.1
25°	8.7	8.0	7.5	6.6	6.1	6.1	6.1
22.5°	9.0	8.1	7.6	6.8	6.1	6.1	6.1
20°	9.4	8.1	7.8	6.9	6.1	6.1	6.1
17.5°	9.6	8.1	7.9	7.0	6.1	6.1	6.1
15°	9.8	8.1	8.0	7.2	6.1	6.1	6.1
12.5°	9.9	8.1	8.0	7.4	6.1	6.1	6.1
10°	10.0	8.1	8.1	7.5	6.1	6.1	6.1
7.5°	10.1	8.1	8.1	7.7	6.1	6.1	6.1
5°	10.2	8.1	8.1	7.8	6.1	6.1	6.1
2.5°	10.2	8.1	8.1	7.8	6.1	6.1	6.1
0°	10.2	8.1	8.1	8.1	6.1	6.1	6.1
-2.5°	10.7	8.3	8.1	8.1	6.2	6.1	6.1
-5°	11.2	8.6	8.1	8.1	6.3	6.1	6.1
-7.5°	11.7	8.8	8.1	8.1	6.4	6.1	6.1
-10°	12.0	9.0	8.1	8.0	6.4	6.1	6.1
-12.5°	12.4	9.1	8.1	8.0	6.5	6.1	6.1
-15°	12.6	9.2	8.1	8.0	6.6	6.1	6.1
-17.5°	12.8	9.3	8.1	7.9	6.6	6.1	6.1
-20°	13.3	9.4	8.1	7.9	6.7	6.1	6.1



REPORT NUMBER: P731730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.4	9.4	8.1	7.9	6.7	6.1	6.1
-25°	15.1	9.5	8.1	7.9	6.8	6.1	6.1
-27.5°	15.5	9.7	8.1	7.9	6.8	6.1	6.1
-30°	15.5	9.7	8.1	7.9	6.8	6.1	6.1
-32.5°	15.2	9.6	8.2	7.9	6.8	6.1	6.1
-35°	14.9	9.4	8.3	8.0	6.8	6.1	6.1
-37.5°	14.6	9.2	8.4	8.0	6.8	6.1	6.1
-40°	14.0	9.3	8.4	8.1	6.8	6.1	6.1
-42.5°	13.2	9.3	8.5	8.1	6.7	6.1	6.1
-45°	12.2	9.3	8.5	8.1	6.7	6.1	6.1
-47.5°	10.9	9.3	8.5	8.1	6.6	6.1	6.1
-50°	10.6	9.3	8.4	8.0	6.5	6.1	6.1
-52.5°	10.4	9.2	8.4	7.8	6.4	6.1	6.1
-55°	10.3	9.0	8.3	7.6	6.3	6.1	6.1
-57.5°	10.0	8.9	8.2	7.4	6.2	6.1	6.1
-60°	9.7	8.7	8.1	7.2	6.1	6.1	6.1
-62.5°	9.4	8.5	7.9	7.1	6.1	6.1	6.1
-65°	9.0	8.2	7.7	6.9	6.1	6.1	6.1
-67.5°	8.6	8.0	7.6	6.7	6.1	6.1	6.1
-70°	8.2	7.9	7.4	6.5	6.1	6.1	6.1
-72.5°	8.1	7.8	7.2	6.5	6.1	6.1	6.1
-75°	8.1	7.7	7.1	6.4	6.1	6.1	6.1
-77.5°	8.1	7.6	6.9	6.4	6.1	6.1	6.1
-80°	8.1	7.4	6.8	6.3	6.1	6.1	6.1
-82.5°	7.6	7.1	6.6	6.3	6.1	6.1	6.1
-85°	7.1	6.7	6.4	6.2	6.1	6.1	6.1
-87.5°	6.6	6.4	6.3	6.2	6.1	6.1	6.1
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1

(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

