

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: P731579 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-3S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731579 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-80-3S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

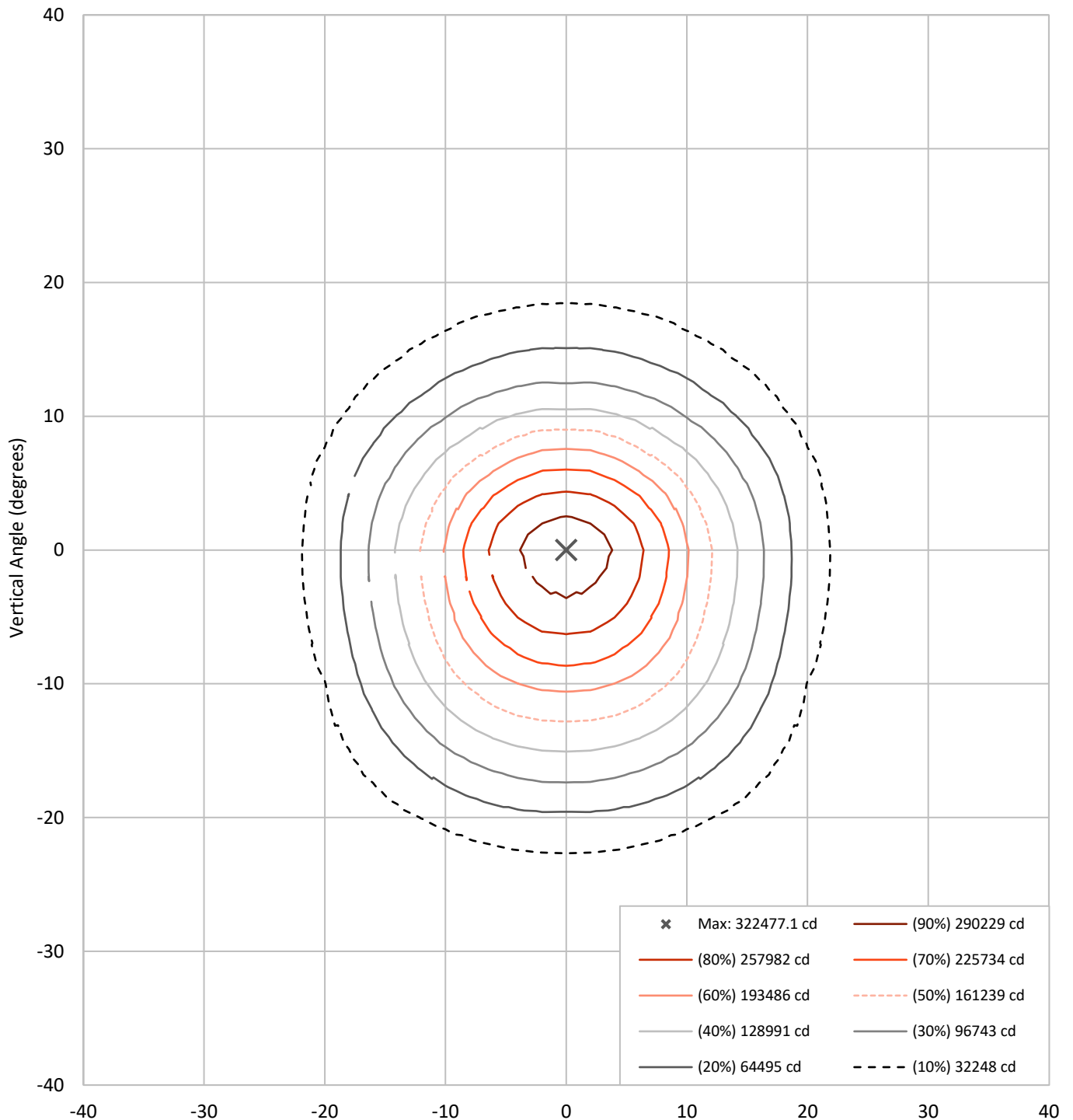
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63653.1 lumens	Max Intensity:	322477.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	28842.1 lumens	Field Lumens:	54581.4 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 559.9  
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

REPORT NUMBER: P731579 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV2

### Iso-Candela Plot





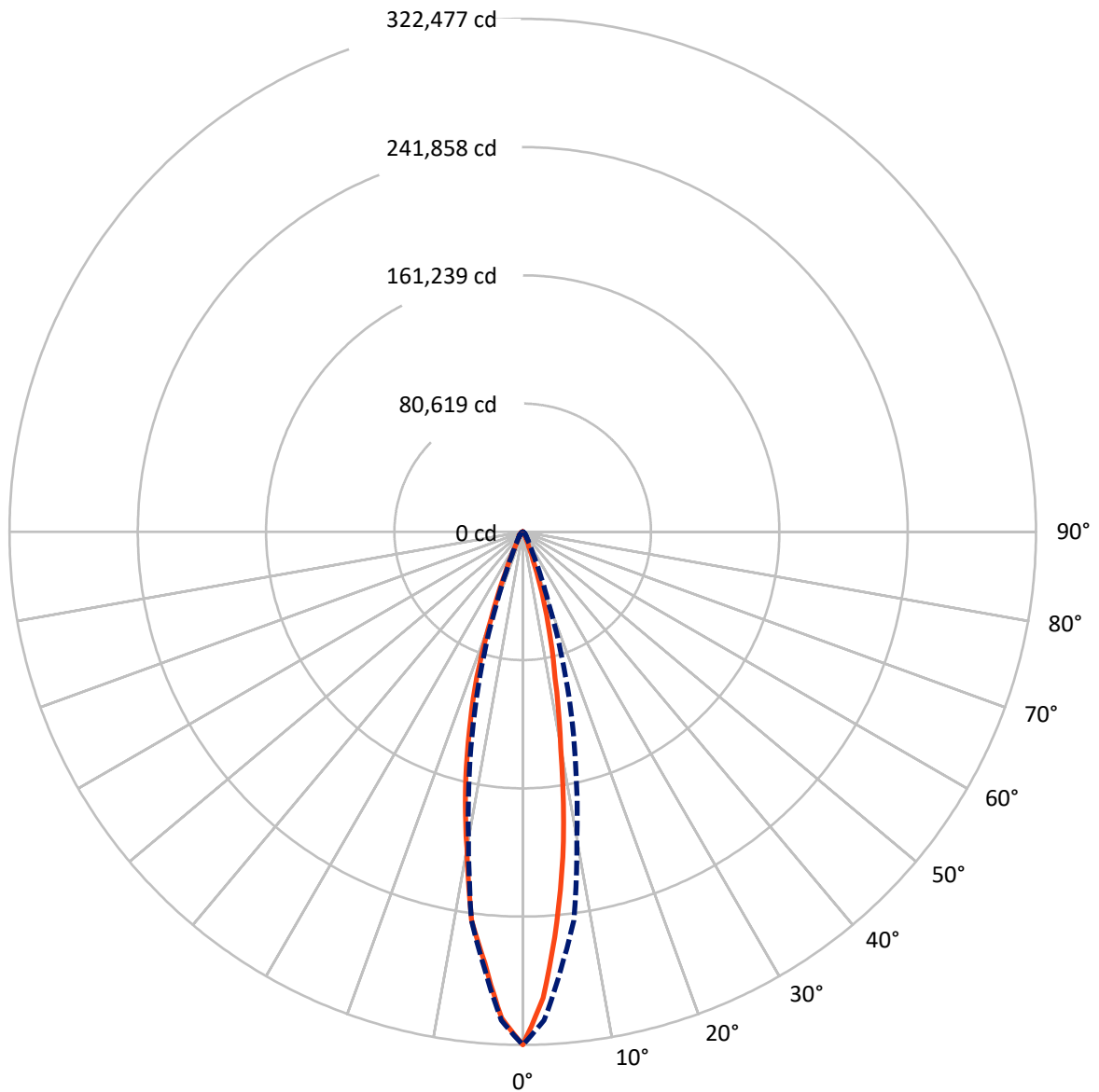
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### Lumen Table

90	0.2		0.5		0.6		0.5		0.4		0.5		0.6		0.5		0.2	
80	0.2		0.5		0.6		0.5		0.4		0.5		0.6		0.5		0.2	
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2	0.2	0.2
60		0.1	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2	0.2	0.2
40		0.2	0.8	1.7	3.4	5.3	6.8	8.3	8.3	6.8	5.3	3.4	1.7	0.8	0.2			
30	0.2	0.4	2.6	8.4	22.2	38.1	87.5	182.8	182.8	87.5	38.1	22.2	8.4	2.6	0.4	0.2	0.2	0.2
20		0.9	6.3	22.6	55.7	152.8	803.2	1886.0	1886.0	803.2	152.8	55.7	22.6	6.3	0.9			
10	0.3	1.7	11.0	42.3	102.1	460.1	2772.6	6342.7	6342.7	2772.6	460.1	102.1	42.3	11.0	1.7	0.3	0.3	0.3
0		2.8	14.6	51.1	117.1	496.5	3199.7	7210.4	7210.4	3199.7	496.5	117.1	51.1	14.6	2.8			
-10	0.6	3.2	14.9	48.6	107.6	289.4	1636.1	3582.1	3582.1	1636.1	289.4	107.6	48.6	14.9	3.2	0.6	0.6	0.6
-20		3.1	12.4	31.7	74.1	130.6	300.0	611.2	611.2	300.0	130.6	74.1	31.7	12.4	3.1			
-30	0.4	2.6	9.0	19.5	43.0	76.8	106.3	128.6	128.6	106.3	76.8	43.0	19.5	9.0	2.6	0.4	0.4	0.4
-40		1.8	6.3	13.6	24.7	42.4	68.9	89.6	89.6	68.9	42.4	24.7	13.6	6.3	1.8			
-50	0.3	0.9	3.9	9.0	16.1	24.2	31.6	36.3	36.3	31.6	24.2	16.1	9.0	3.9	0.9	0.3	0.3	0.3
-60		0.3	1.5	4.6	9.1	14.5	20.0	23.3	23.3	20.0	14.5	9.1	4.6	1.5	0.3			
-70	0.2	0.9	3.2	8.8	12.6	8.8	3.2	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-80		0.9	3.2	8.8	12.6	8.8	3.2	0.9	0.2									
-90	0.2		0.9		3.2		8.8		12.6		8.8		3.2		0.9		0.2	

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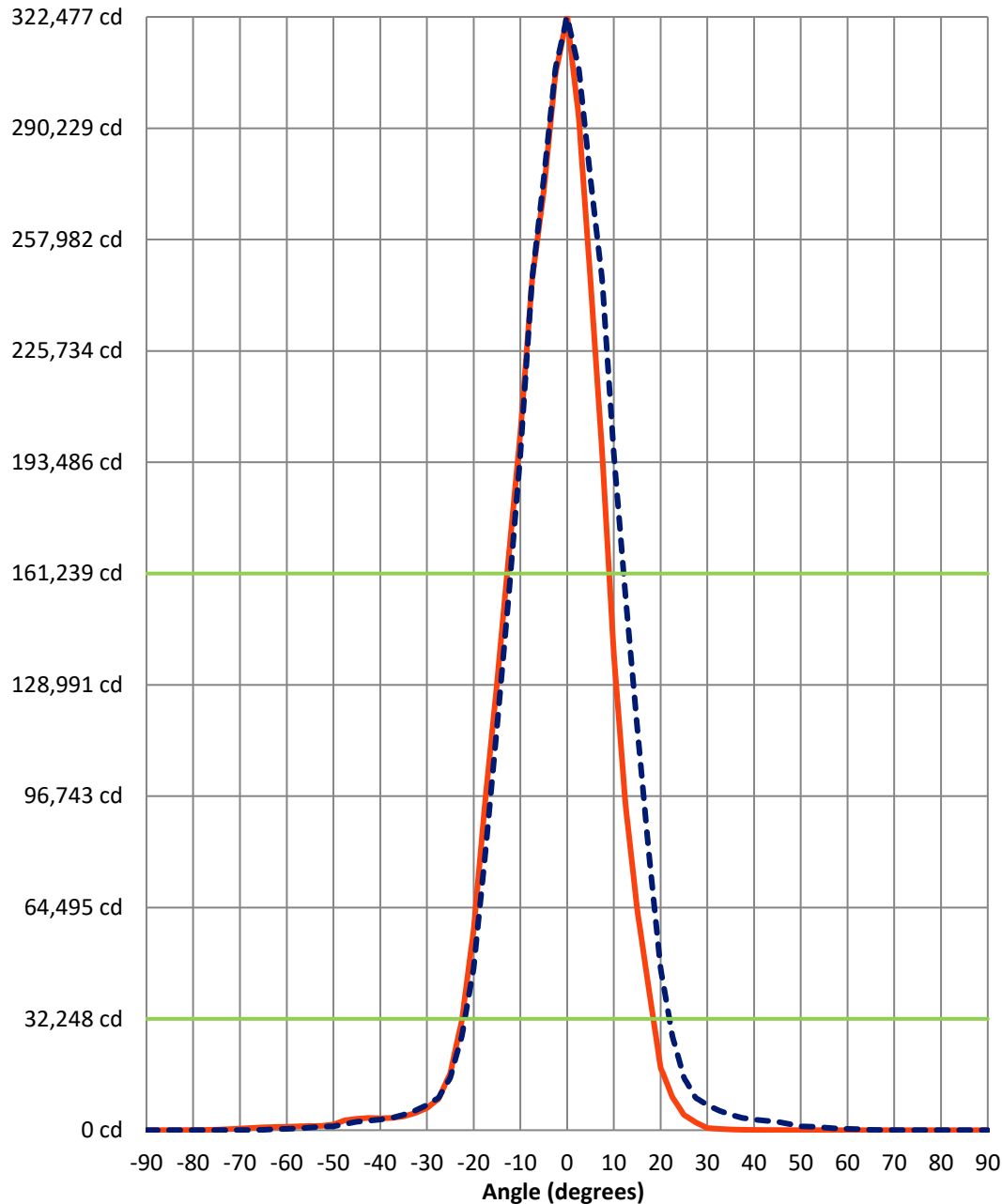
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24.2°  
V Angle: 21.8°  
Lumens: 28842.1  
Efficiency: 45.3%

**Field:**  
H Angle: 43.8°  
V Angle: 40.9°  
Lumens: 54581.4  
Efficiency: 85.7%

**Spill:**  
Lumens: 9071.7  
Efficiency: 14.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7	9.2	9.6	10.0
87.5°	8.3	8.3	8.4	8.5	8.4	8.4	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.4	8.6	8.6	8.6	8.5	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.4	8.7	8.8	8.7	8.6	8.3	8.3	8.3	8.4	8.3
80°	8.3	8.4	8.9	9.0	8.9	8.7	8.4	8.6	8.6	8.6	8.3
77.5°	8.3	8.5	9.0	9.1	9.1	8.9	8.8	9.0	8.9	8.8	8.4
75°	8.3	8.5	9.1	9.3	9.2	9.1	9.3	9.4	9.3	8.8	8.4
72.5°	8.3	8.5	9.3	9.5	9.4	9.4	9.7	9.7	9.3	8.9	8.5
70°	8.3	8.6	9.4	9.7	9.5	9.7	10.0	9.7	9.3	8.9	8.5
67.5°	8.3	8.6	9.5	9.7	9.7	9.9	10.0	9.8	9.4	9.0	8.6
65°	8.3	8.6	9.6	9.8	9.8	10.0	10.0	9.8	9.4	9.1	8.8
62.5°	8.3	8.6	9.7	9.8	9.9	10.0	10.0	9.9	9.5	9.2	9.4
60°	8.3	8.7	9.8	9.9	10.0	10.0	10.0	10.0	9.6	9.5	9.9
57.5°	8.3	8.7	9.8	9.9	10.0	10.0	10.0	10.0	9.7	9.8	10.0
55°	8.3	8.7	9.7	9.9	10.0	10.0	10.0	10.0	9.9	10.0	10.0
52.5°	8.3	8.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
50°	8.3	8.7	9.7	10.0	10.0	10.0	10.0	10.1	10.0	10.0	10.7
47.5°	8.3	8.7	9.7	10.0	10.0	10.0	10.0	10.2	10.0	10.0	11.4
45°	8.3	8.7	9.7	10.0	10.0	10.0	10.1	10.4	10.1	10.5	12.1
42.5°	8.3	8.7	9.7	10.0	10.0	10.0	10.3	10.5	10.2	10.9	12.7
40°	8.3	8.7	9.7	10.0	10.0	10.0	10.5	10.6	10.4	11.3	13.1
37.5°	8.3	8.7	9.7	10.0	10.0	10.0	10.7	10.7	10.9	11.9	13.4
35°	8.3	8.7	9.7	10.0	10.0	10.1	10.9	10.8	11.3	12.6	13.5
32.5°	8.3	8.7	9.8	10.0	10.0	10.3	11.1	10.9	11.8	13.4	14.6
30°	8.3	8.7	9.8	10.0	10.0	10.4	11.2	11.0	12.2	14.2	16.1
27.5°	8.3	8.6	9.8	10.0	10.0	10.6	11.3	11.4	12.8	15.2	17.9
25°	8.3	8.6	9.8	10.0	10.0	10.8	11.4	11.7	13.5	16.5	20.2
22.5°	8.3	8.6	9.8	10.0	10.0	11.0	11.5	12.1	14.3	18.1	24.6
20°	8.3	8.6	9.9	10.0	10.0	11.1	11.6	12.4	15.1	19.9	28.9
17.5°	8.3	8.5	9.9	10.0	10.0	11.2	11.7	12.7	15.9	21.8	33.0
15°	8.3	8.5	9.9	10.0	10.0	11.3	11.9	13.0	16.7	23.8	37.0
12.5°	8.3	8.5	9.9	10.0	10.0	11.4	12.1	13.4	18.1	25.8	40.7
10°	8.3	8.4	10.0	10.0	10.0	11.5	12.3	13.7	20.1	29.8	47.2
7.5°	8.3	8.4	10.0	10.0	10.0	11.5	12.6	14.0	22.2	34.1	60.4
5°	8.3	8.4	10.0	10.0	10.0	11.6	12.8	14.4	24.3	38.4	74.3
2.5°	8.3	8.3	10.0	10.0	10.0	11.6	13.1	14.6	26.3	42.6	88.1
0°	8.3	8.3	10.0	10.0	10.0	11.6	13.3	14.9	28.2	46.5	101.3
-2.5°	8.3	8.3	10.0	10.0	10.0	11.6	14.6	19.8	37.4	61.8	123.1
-5°	8.3	8.3	10.0	10.0	10.0	11.6	15.8	24.6	46.3	76.4	143.5
-7.5°	8.3	8.3	10.0	10.0	10.0	11.5	17.0	29.1	54.5	90.1	162.0
-10°	8.3	8.3	9.9	10.0	10.0	11.5	17.9	33.0	61.9	102.6	178.3
-12.5°	8.3	8.3	9.9	10.0	10.0	11.4	18.7	36.4	68.4	113.5	189.7
-15°	8.3	8.3	9.9	10.0	10.0	11.3	19.2	39.0	74.3	122.3	197.7
-17.5°	8.3	8.3	9.8	10.0	10.0	11.2	19.4	41.5	79.4	129.6	203.4
-20°	8.3	8.3	9.8	10.0	10.0	11.1	19.6	43.6	83.2	135.5	206.6



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.3	9.7	10.0	10.0	11.0	20.2	44.6	85.5	139.8	207.4
-25°	8.3	8.3	9.7	10.0	10.0	11.2	20.3	44.6	86.2	142.3	205.6
-27.5°	8.3	8.3	9.6	10.0	10.0	11.4	19.7	43.5	85.1	143.1	207.5
-30°	8.3	8.3	9.5	10.0	10.0	11.5	18.5	41.1	83.3	141.6	207.5
-32.5°	8.3	8.3	9.5	10.0	10.2	11.5	16.7	39.4	80.5	137.7	205.1
-35°	8.3	8.3	9.4	10.0	10.3	11.4	16.1	37.2	75.9	131.4	200.4
-37.5°	8.3	8.3	9.3	10.0	10.4	11.3	15.9	34.1	69.4	122.5	185.5
-40°	8.3	8.3	9.2	10.0	10.5	11.4	15.6	30.0	61.2	113.0	168.5
-42.5°	8.3	8.3	9.1	10.0	10.6	11.5	15.0	24.8	54.1	99.6	150.3
-45°	8.3	8.3	9.0	10.1	10.6	11.6	14.2	21.0	47.1	84.5	131.4
-47.5°	8.3	8.3	8.9	10.1	10.7	11.7	13.2	19.7	38.7	68.5	113.2
-50°	8.3	8.3	8.8	10.0	10.7	11.7	13.1	18.2	28.7	57.1	93.7
-52.5°	8.3	8.3	8.7	9.9	10.7	11.7	13.0	16.4	24.0	44.8	73.7
-55°	8.3	8.3	8.5	9.7	10.7	11.6	12.9	14.6	21.4	31.8	58.8
-57.5°	8.3	8.3	8.4	9.6	10.6	11.5	12.8	14.4	18.5	26.1	42.9
-60°	8.3	8.3	8.3	9.4	10.6	11.4	12.6	14.1	16.0	22.4	30.3
-62.5°	8.3	8.3	8.3	9.2	10.4	11.3	12.4	13.7	15.4	18.4	25.5
-65°	8.3	8.3	8.3	9.1	10.1	11.1	12.1	13.3	14.7	16.7	20.5
-67.5°	8.3	8.3	8.3	8.9	9.9	10.9	11.8	12.8	13.9	15.6	17.8
-70°	8.3	8.3	8.3	8.7	9.6	10.6	11.5	12.3	13.2	14.3	16.2
-72.5°	8.3	8.3	8.3	8.6	9.4	10.3	11.1	11.7	12.5	13.4	14.5
-75°	8.3	8.3	8.3	8.6	9.1	10.0	10.8	11.3	11.7	12.4	13.2
-77.5°	8.3	8.3	8.3	8.6	9.0	9.6	10.4	10.8	11.1	11.4	11.9
-80°	8.3	8.3	8.3	8.5	8.9	9.4	10.0	10.3	10.6	10.8	11.1
-82.5°	8.3	8.3	8.3	8.5	8.7	9.1	9.6	9.9	10.0	10.2	10.4
-85°	8.3	8.3	8.3	8.4	8.6	8.8	9.2	9.5	9.7	9.9	10.0
-87.5°	8.3	8.3	8.3	8.4	8.4	8.6	8.7	9.1	9.4	9.7	10.0
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3





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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°	9.6	9.2	8.7	8.3	8.3	8.3	8.3	8.3	7.9	7.5	7.0
87.5°	7.9	7.5	7.0	6.6	6.6	6.6	6.6	6.6	6.2	5.8	5.4
85°	7.9	7.5	7.1	6.9	6.9	6.8	6.8	6.6	6.2	5.8	5.4
82.5°	8.1	7.9	7.8	7.8	7.7	7.4	7.1	6.6	6.2	5.8	5.4
80°	8.2	8.3	8.3	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5
77.5°	8.3	8.3	8.3	8.3	8.0	7.6	7.1	6.7	6.3	5.9	5.5
75°	8.3	8.3	8.3	8.3	8.0	7.6	7.2	7.1	7.0	6.9	6.8
72.5°	8.3	8.3	8.3	8.3	8.1	8.0	8.0	8.2	8.5	8.6	8.5
70°	8.3	8.3	8.5	8.4	8.3	8.5	9.2	10.1	10.9	11.7	13.8
67.5°	8.4	8.8	8.9	8.8	9.0	9.8	10.8	15.3	20.7	23.2	24.5
65°	9.1	9.4	9.4	9.5	9.9	13.1	17.9	24.3	31.3	33.0	32.8
62.5°	9.9	9.8	9.8	10.8	13.4	17.8	24.4	31.8	39.6	38.1	32.9
60°	10.0	9.9	11.1	13.6	17.0	22.9	30.6	34.3	36.8	36.6	30.1
57.5°	10.0	10.8	13.1	16.5	21.6	26.6	28.3	30.4	32.2	33.1	26.0
55°	10.4	12.3	15.3	20.0	23.9	23.2	24.1	25.5	26.7	25.2	18.8
52.5°	11.5	13.7	17.7	21.8	22.6	20.8	19.6	20.6	19.7	17.1	14.2
50°	12.5	15.4	19.5	22.1	21.6	18.7	16.2	16.6	15.8	13.8	12.1
47.5°	13.6	16.9	20.9	22.5	20.2	18.4	16.2	15.6	14.8	15.4	14.5
45°	14.6	18.0	22.3	21.8	20.4	19.7	18.7	16.5	19.0	19.9	19.7
42.5°	15.4	18.9	22.2	21.5	22.7	23.2	22.8	23.8	25.3	27.6	28.5
40°	15.8	19.4	23.1	25.5	26.2	28.4	31.5	34.0	34.8	38.2	40.4
37.5°	16.1	21.2	26.4	32.8	32.0	36.7	41.9	50.8	53.5	50.3	56.6
35°	16.0	24.0	35.5	44.3	45.5	47.6	61.0	74.6	82.9	74.7	82.4
32.5°	17.8	27.8	47.1	59.5	68.4	70.6	83.9	111.9	126.3	128.3	129.1
30°	21.9	38.5	61.4	77.6	97.8	114.1	126.9	159.1	182.1	239.2	285.3
27.5°	27.3	51.4	78.6	104.7	135.0	165.2	195.6	221.1	295.5	402.8	522.3
25°	32.5	70.2	97.6	138.1	184.2	228.3	269.2	303.9	449.2	668.9	815.9
22.5°	42.8	92.3	125.1	175.3	238.3	296.3	346.9	438.6	641.8	967.1	1125.2
20°	59.5	115.8	158.9	220.0	299.0	366.7	426.0	579.3	875.7	1180.8	1377.0
17.5°	77.7	140.4	195.7	276.3	377.4	452.3	513.0	716.1	1102.6	1394.1	1594.0
15°	96.9	165.6	232.0	337.6	463.2	556.1	679.3	928.9	1303.0	1603.5	1848.7
12.5°	116.7	191.2	267.5	402.2	554.4	661.0	882.1	1244.1	1578.0	1839.9	2206.9
10°	136.3	216.6	301.9	468.4	648.8	765.9	1105.2	1555.6	1878.3	2147.8	2569.7
7.5°	174.8	252.4	338.9	534.2	744.0	869.8	1339.0	1858.8	2159.5	2433.8	2878.4
5°	216.3	298.5	396.4	616.1	838.3	963.5	1556.4	2147.8	2423.2	2699.4	3140.2
2.5°	256.5	342.9	451.9	695.7	926.8	1039.7	1686.3	2308.3	2594.2	2905.7	3363.0
0°	293.9	385.2	504.7	768.7	1007.8	1110.7	1791.5	2444.0	2737.8	3078.2	3558.0
-2.5°	324.0	426.6	554.3	810.1	1035.9	1151.1	1813.1	2493.9	2812.0	3176.6	3651.7
-5°	349.2	465.1	600.0	844.4	1057.7	1186.8	1808.7	2511.6	2874.3	3251.2	3737.0
-7.5°	368.8	500.0	641.4	869.1	1069.0	1203.8	1803.3	2535.3	2942.5	3302.0	3806.1
-10°	379.7	514.3	650.2	865.7	1066.2	1207.5	1763.9	2521.0	2998.2	3338.9	3827.7
-12.5°	368.3	509.8	648.0	854.8	1058.8	1206.8	1678.2	2466.3	3042.7	3364.2	3786.8
-15°	355.0	502.3	639.1	836.3	1047.2	1201.7	1541.6	2369.3	3020.3	3272.1	3666.8
-17.5°	340.5	491.8	623.0	810.2	1032.0	1192.3	1341.5	2123.3	2792.1	3114.8	3537.0
-20°	325.4	478.5	599.3	776.6	1010.4	1146.4	1247.3	1812.3	2465.8	2920.7	3309.9



REPORT NUMBER: P731579 (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°	310.5	462.3	573.9	745.5	932.3	1070.7	1177.7	1495.0	2128.0	2680.6	2970.9
-25°	302.6	438.7	552.7	688.2	849.3	992.9	1097.0	1209.9	1775.0	2305.9	2671.3
-27.5°	298.8	417.4	521.4	631.1	770.4	910.5	1009.9	1116.4	1426.9	1928.6	2366.7
-30°	292.0	388.2	488.6	579.6	703.4	824.7	922.3	1032.1	1157.0	1562.2	1966.8
-32.5°	275.6	358.7	454.4	541.9	640.7	746.8	854.9	962.3	1069.3	1216.7	1587.5
-35°	256.5	333.9	420.1	503.3	581.8	683.6	791.6	897.3	988.2	1082.4	1287.6
-37.5°	241.0	307.2	386.3	465.0	539.1	626.2	725.7	828.4	921.1	1006.2	1123.2
-40°	224.0	278.6	354.3	428.7	498.5	573.4	662.1	754.8	850.4	949.8	1041.4
-42.5°	205.4	258.0	321.1	393.0	458.5	527.4	598.3	684.1	778.2	883.1	978.0
-45°	184.1	236.1	287.9	354.0	416.9	480.3	546.7	614.5	707.0	801.2	900.5
-47.5°	161.6	212.4	262.2	315.0	374.8	432.8	493.6	562.9	635.4	721.6	809.3
-50°	138.4	186.5	234.9	282.7	333.9	386.4	440.0	510.1	579.0	646.5	721.8
-52.5°	115.2	159.5	205.7	251.7	297.2	344.4	395.7	457.4	522.5	585.7	648.2
-55°	90.6	131.9	175.0	218.7	262.1	305.0	354.9	409.6	466.0	526.3	584.4
-57.5°	69.8	102.8	142.6	184.2	225.2	267.1	316.0	363.1	414.3	467.5	519.7
-60°	50.8	76.2	108.1	146.7	186.7	227.7	276.0	322.8	366.6	409.2	458.1
-62.5°	33.6	53.3	77.4	106.3	142.8	183.9	227.2	273.3	322.9	361.8	400.0
-65°	27.5	34.0	50.4	73.0	97.1	132.1	171.6	214.2	257.2	295.9	336.7
-67.5°	21.3	27.4	33.1	41.7	62.5	85.7	110.5	145.8	183.1	215.6	248.6
-70°	18.5	21.3	26.2	31.2	36.1	45.7	66.1	87.7	109.2	130.0	156.9
-72.5°	16.4	18.8	21.4	24.1	28.3	32.8	37.5	42.5	54.6	70.6	85.6
-75°	14.6	16.2	18.3	20.7	22.8	25.0	27.5	31.4	35.3	39.1	42.6
-77.5°	13.0	14.3	15.8	17.4	18.8	20.5	22.2	24.1	25.9	27.9	30.0
-80°	11.6	12.4	13.4	14.6	15.4	16.2	17.2	18.4	19.4	20.5	21.7
-82.5°	10.8	11.2	11.7	12.3	12.4	12.3	12.2	12.6	13.3	14.1	14.7
-85°	10.0	10.0	10.2	10.5	10.6	10.7	10.7	10.7	10.5	10.5	10.4
-87.5°	9.8	9.6	9.4	9.3	9.3	9.4	9.4	9.5	9.1	8.8	8.4
-90°	7.9	7.5	7.0	6.6	6.6	6.6	6.6	6.6	6.2	5.8	5.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.6	6.6	6.6	6.6	6.6	7.0	7.5	7.9	8.3	9.6	10.8
87.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.7	1.7
85°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.7	1.7
82.5°	5.0	4.8	4.7	4.6	4.5	4.2	3.9	3.5	3.2	2.8	2.5
80°	5.1	5.0	5.0	5.0	5.0	4.6	4.2	3.8	3.3	2.9	2.5
77.5°	5.2	5.3	5.3	5.2	5.0	4.7	4.2	3.8	3.4	2.9	2.5
75°	6.6	6.4	6.1	5.7	5.2	4.7	4.3	3.8	3.4	3.3	3.2
72.5°	8.2	7.7	7.4	7.8	7.7	7.5	7.3	6.8	6.1	6.0	6.2
70°	15.2	15.9	16.0	15.2	13.6	12.1	11.0	9.8	8.4	8.0	8.1
67.5°	24.2	23.0	21.6	19.7	16.9	14.4	12.8	11.4	10.1	9.6	9.8
65°	30.1	25.0	21.5	18.6	16.4	14.4	12.8	11.2	9.6	8.7	8.6
62.5°	27.5	21.6	17.9	15.6	14.0	12.8	10.8	9.1	7.8	7.2	7.4
60°	23.7	17.3	13.4	11.6	10.0	8.4	7.6	7.1	6.8	6.6	6.7
57.5°	18.8	13.2	9.9	9.2	8.3	7.1	6.8	6.9	6.8	6.6	6.6
55°	13.8	11.3	10.0	9.5	9.1	8.6	8.2	8.1	7.9	7.7	7.9
52.5°	11.2	11.2	11.3	11.2	10.8	10.3	9.9	9.9	10.0	10.3	10.7
50°	12.4	12.7	13.0	12.9	12.5	12.0	11.5	12.0	12.8	13.4	13.9
47.5°	14.4	14.9	15.8	14.7	14.9	15.8	15.2	15.4	17.8	19.4	20.4
45°	18.3	21.2	21.9	22.6	22.8	24.5	25.3	25.8	30.6	32.6	32.7
42.5°	29.1	31.8	34.1	36.3	35.9	41.3	48.6	52.6	52.5	51.7	52.5
40°	44.0	47.0	53.8	58.9	66.8	73.8	74.3	67.5	68.3	76.2	76.8
37.5°	66.2	75.5	88.8	103.7	107.6	103.1	105.8	110.8	115.9	123.2	131.8
35°	105.4	136.4	142.5	153.9	161.5	154.0	156.9	170.1	170.2	193.7	206.6
32.5°	187.1	234.5	249.1	238.8	258.7	270.8	233.8	280.3	289.2	313.3	342.9
30°	305.1	403.8	434.4	420.1	474.0	491.0	458.3	552.0	607.0	605.9	744.8
27.5°	579.6	628.9	686.2	773.8	785.0	814.3	998.9	1141.6	1323.0	1494.3	1716.8
25°	886.8	914.8	1079.0	1187.2	1240.6	1435.8	1709.3	1932.5	2317.1	2676.0	3423.2
22.5°	1169.8	1274.3	1474.6	1647.9	1842.4	2156.6	2534.0	2948.0	3970.0	5227.3	6804.9
20°	1447.4	1585.0	1824.4	2135.8	2446.4	2873.8	3375.4	4687.3	6696.8	9742.4	13034.0
17.5°	1760.9	1893.2	2219.4	2659.3	3131.9	3772.4	5311.0	7817.6	12085.0	18043.2	23791.2
15°	2167.8	2395.5	2756.4	3406.3	4310.8	5820.5	8328.6	14511.1	23031.0	32296.7	42230.4
12.5°	2643.8	3019.1	3606.8	4446.6	5749.1	9315.6	15618.9	25546.5	38278.3	51291.7	67618.3
10°	3104.7	3732.5	4631.7	5955.0	8546.1	14167.2	23558.0	37885.8	57393.6	77514.1	95545.2
7.5°	3509.3	4340.2	5550.2	7404.8	11518.3	19642.2	33151.8	53117.1	77432.2	102295.9	126542.1
5°	3922.7	4910.6	6320.8	8490.6	13330.8	23605.4	40945.9	67060.9	96438.2	126552.7	158198.6
2.5°	4262.0	5389.5	6964.0	9390.7	14401.9	25735.2	45779.1	76772.6	110715.7	145192.4	184570.2
0°	4466.2	5686.5	7282.0	9418.8	15243.2	27413.1	46973.0	80210.4	116743.5	154649.7	195863.2
-2.5°	4472.5	5624.6	7127.0	9329.5	15063.1	26954.4	47056.3	80124.7	116419.3	152926.5	193597.5
-5°	4458.6	5483.6	6894.6	9009.1	13985.5	24561.5	43446.3	74933.5	110682.3	145231.6	182275.9
-7.5°	4437.3	5297.3	6564.4	8496.6	12606.5	21673.3	39288.3	68112.4	101841.3	134022.4	167183.3
-10°	4412.6	5104.3	6260.5	8057.0	11357.2	18238.0	31604.8	57854.9	88796.1	118492.1	145685.0
-12.5°	4391.5	5025.1	6015.7	7451.3	9838.6	15282.8	26682.7	47280.4	72336.6	97411.7	121500.3
-15°	4310.4	4920.1	5816.0	7001.5	8937.0	12744.5	19918.9	34156.6	54731.2	74539.1	93661.1
-17.5°	4144.5	4770.8	5334.4	6257.3	7653.4	10136.3	14836.8	23416.1	36626.6	52110.4	65600.6
-20°	3819.3	4248.6	4716.2	5500.1	6574.5	7881.6	10025.3	14913.8	21195.1	31294.9	38368.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3336.5	3697.6	4091.0	4613.3	5368.8	6291.3	7435.1	9242.4	12520.1	16412.8	20715.1
-25°	2896.2	3155.7	3520.2	3968.9	4373.3	4975.1	5776.7	6477.8	7893.6	9038.8	11405.0
-27.5°	2562.4	2778.1	3108.3	3456.3	3754.7	4077.2	4635.0	5130.6	5819.5	6420.8	7382.7
-30°	2321.0	2542.1	2807.5	3071.2	3354.7	3628.1	3877.7	4253.5	4666.6	5058.9	5567.8
-32.5°	2023.0	2371.8	2563.9	2787.0	3039.2	3278.3	3468.7	3706.3	3933.7	4193.6	4472.7
-35°	1711.8	2092.8	2387.7	2559.1	2746.4	2974.8	3169.9	3332.4	3483.1	3644.5	3791.9
-37.5°	1345.2	1766.2	2102.2	2355.8	2526.9	2686.3	2895.5	3051.8	3151.5	3285.2	3386.0
-40°	1156.2	1324.7	1706.6	2051.3	2271.8	2522.9	2717.6	2883.0	3065.5	3207.9	3290.1
-42.5°	1064.0	1161.8	1263.4	1545.0	1890.0	2191.5	2442.5	2714.5	2958.6	3152.8	3333.4
-45°	992.8	1062.2	1134.6	1228.0	1324.6	1606.7	1916.2	2234.4	2519.3	2785.6	3014.0
-47.5°	897.7	979.0	1045.1	1104.1	1163.5	1250.1	1342.8	1471.8	1745.7	2023.4	2288.1
-50°	799.9	874.7	947.6	1016.2	1071.8	1115.4	1150.5	1207.4	1289.9	1372.0	1452.7
-52.5°	707.8	777.2	843.3	909.7	974.7	1032.5	1083.6	1123.8	1156.9	1185.2	1204.4
-55°	641.9	696.5	747.9	811.3	873.8	931.9	985.7	1035.0	1080.1	1121.1	1149.3
-57.5°	573.3	626.9	680.2	733.4	785.1	835.1	885.2	934.1	980.0	1021.7	1049.7
-60°	505.4	551.2	604.1	659.1	710.6	758.7	805.3	849.2	890.1	925.2	947.8
-62.5°	441.3	484.6	530.2	579.7	631.9	682.8	729.5	773.8	815.9	849.9	871.8
-65°	376.6	413.0	452.0	492.9	535.2	578.5	623.0	668.4	714.0	750.6	774.7
-67.5°	282.9	319.3	357.7	397.6	433.6	466.7	498.8	531.8	565.2	593.0	614.8
-70°	184.0	211.2	237.9	265.3	295.2	325.5	354.5	381.7	406.9	427.1	443.4
-72.5°	99.4	112.6	127.4	148.2	168.2	188.4	208.3	227.1	244.6	257.8	268.1
-75°	46.1	52.1	63.3	73.7	83.2	93.0	102.5	111.2	119.1	124.7	129.0
-77.5°	32.7	35.4	38.1	40.8	43.5	47.2	51.1	55.0	58.7	62.4	65.9
-80°	23.0	24.5	26.0	27.4	28.8	30.9	33.1	35.4	37.6	39.9	42.1
-82.5°	15.4	16.4	17.4	18.3	19.2	20.5	21.7	22.9	24.0	25.9	27.7
-85°	10.4	10.8	11.3	11.8	12.3	13.3	14.3	15.3	16.2	17.6	18.9
-87.5°	8.0	8.0	8.1	8.1	8.1	9.0	9.8	10.6	11.5	12.8	14.0
-90°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.3	0.9



REPORT NUMBER: P731579 (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°	12.1	13.3	14.1	14.9	14.1	13.3	12.1	10.8	9.6	8.3	7.9
87.5°	1.7	1.7	0.8	0.0	0.8	1.7	1.7	1.7	1.7	1.7	2.1
85°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	2.1
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.8	3.2	3.5
80°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.8
77.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.4	3.8
75°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.4	3.8
72.5°	6.4	6.5	6.6	6.6	6.6	6.5	6.4	6.2	6.0	6.1	6.8
70°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.4	9.8
67.5°	9.9	9.9	10.0	10.0	10.0	9.9	9.9	9.8	9.6	10.1	11.4
65°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.6	8.7	9.6	11.2
62.5°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.4	7.2	7.8	9.1
60°	6.7	6.7	6.6	6.6	6.6	6.7	6.7	6.7	6.6	6.8	7.1
57.5°	6.6	6.6	7.3	8.3	7.3	6.6	6.6	6.6	6.6	6.8	6.9
55°	8.1	8.2	8.9	10.0	8.9	8.2	8.1	7.9	7.7	7.9	8.1
52.5°	11.1	11.4	11.6	11.6	11.6	11.4	11.1	10.7	10.3	10.0	9.9
50°	14.4	14.7	14.8	14.9	14.8	14.7	14.4	13.9	13.4	12.8	12.0
47.5°	21.1	21.3	21.5	21.6	21.5	21.3	21.1	20.4	19.4	17.8	15.4
45°	33.9	34.4	34.6	34.9	34.6	34.4	33.9	32.7	32.6	30.6	25.8
42.5°	54.6	55.5	55.5	54.8	55.5	55.5	54.6	52.5	51.7	52.5	52.6
40°	77.9	78.0	77.1	76.4	77.1	78.0	77.9	76.8	76.2	68.3	67.5
37.5°	135.7	130.8	122.0	117.9	122.0	130.8	135.7	131.8	123.2	115.9	110.8
35°	210.0	213.1	214.0	212.5	214.0	213.1	210.0	206.6	193.7	170.2	170.1
32.5°	351.1	367.9	373.3	383.5	373.3	367.9	351.1	342.9	313.3	289.2	280.3
30°	722.9	717.9	654.9	627.6	654.9	717.9	722.9	744.8	605.9	607.0	552.0
27.5°	1947.4	2171.5	2278.4	2269.6	2278.4	2171.5	1947.4	1716.8	1494.3	1323.0	1141.6
25°	4010.5	4370.8	4609.8	4452.9	4609.8	4370.8	4010.5	3423.2	2676.0	2317.1	1932.5
22.5°	8274.3	9059.7	9487.7	9641.3	9487.7	9059.7	8274.3	6804.9	5227.3	3970.0	2948.0
20°	16581.5	18064.5	19147.6	18243.3	19147.6	18064.5	16581.5	13034.0	9742.4	6696.8	4687.3
17.5°	30783.5	35396.9	39478.1	40753.6	39478.1	35396.9	30783.5	23791.2	18043.2	12085.0	7817.6
15°	51807.3	59598.4	64229.4	63959.5	64229.4	59598.4	51807.3	42230.4	32296.7	23031.0	14511.1
12.5°	79711.3	89326.0	95741.2	94314.7	95741.2	89326.0	79711.3	67618.3	51291.7	38278.3	25546.5
10°	113240.3	127803.4	138384.7	137897.3	138384.7	127803.4	113240.3	95545.2	77514.1	57393.6	37885.8
7.5°	148002.3	171909.7	192660.3	196152.1	192660.3	171909.7	148002.3	126542.1	102295.9	77432.2	53117.1
5°	192830.9	224341.7	244949.0	246126.9	244949.0	224341.7	192830.9	158198.6	126552.7	96438.2	67060.9
2.5°	229194.3	265342.5	282733.3	293270.1	282733.3	265342.5	229194.3	184570.2	145192.4	110715.7	76772.6
0°	246230.6	275617.0	307412.4	322477.1	307412.4	275617.0	246230.6	195863.2	154649.7	116743.5	80210.4
-2.5°	239241.3	270731.0	289808.5	305774.6	289808.5	270731.0	239241.3	193597.5	152926.5	116419.3	80124.7
-5°	223390.1	254591.2	270595.8	272088.9	270595.8	254591.2	223390.1	182275.9	145231.6	110682.3	74933.5
-7.5°	197512.6	223969.4	240772.6	246000.7	240772.6	223969.4	197512.6	167183.3	134022.4	101841.3	68112.4
-10°	170011.5	189038.3	199897.7	201979.7	199897.7	189038.3	170011.5	145685.0	118492.1	88796.1	57854.9
-12.5°	141419.9	156997.1	164490.3	166127.4	164490.3	156997.1	141419.9	121500.3	97411.7	72336.6	47280.4
-15°	109747.6	121469.2	128216.0	129390.0	128216.0	121469.2	109747.6	93661.1	74539.1	54731.2	34156.6
-17.5°	78335.8	87860.5	94695.0	95603.0	94695.0	87860.5	78335.8	65600.6	52110.4	36626.6	23416.1
-20°	48121.4	54602.1	58600.3	58014.0	58600.3	54602.1	48121.4	38368.0	31294.9	21195.1	14913.8



REPORT NUMBER: P731579 (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°	25907.9	29401.2	31090.9	31964.0	31090.9	29401.2	25907.9	20715.1	16412.8	12520.1	9242.4
-25°	13694.9	15174.3	15933.4	16528.2	15933.4	15174.3	13694.9	11405.0	9038.8	7893.6	6477.8
-27.5°	8148.6	8657.4	8939.8	9095.1	8939.8	8657.4	8148.6	7382.7	6420.8	5819.5	5130.6
-30°	5973.7	6217.4	6346.2	6410.4	6346.2	6217.4	5973.7	5567.8	5058.9	4666.6	4253.5
-32.5°	4696.7	4841.3	4930.3	4962.6	4930.3	4841.3	4696.7	4472.7	4193.6	3933.7	3706.3
-35°	3896.1	3944.5	3961.9	3993.0	3961.9	3944.5	3896.1	3791.9	3644.5	3483.1	3332.4
-37.5°	3462.8	3507.8	3529.8	3548.0	3529.8	3507.8	3462.8	3386.0	3285.2	3151.5	3051.8
-40°	3328.0	3375.7	3424.7	3460.1	3424.7	3375.7	3328.0	3290.1	3207.9	3065.5	2883.0
-42.5°	3412.3	3490.3	3544.0	3551.4	3544.0	3490.3	3412.3	3333.4	3152.8	2958.6	2714.5
-45°	3143.8	3232.7	3281.2	3297.3	3281.2	3232.7	3143.8	3014.0	2785.6	2519.3	2234.4
-47.5°	2522.7	2725.9	2847.3	2874.0	2847.3	2725.9	2522.7	2288.1	2023.4	1745.7	1471.8
-50°	1531.1	1603.5	1643.4	1648.7	1643.4	1603.5	1531.1	1452.7	1372.0	1289.9	1207.4
-52.5°	1219.5	1232.5	1240.5	1245.2	1240.5	1232.5	1219.5	1204.4	1185.2	1156.9	1123.8
-55°	1174.1	1195.8	1208.1	1213.7	1208.1	1195.8	1174.1	1149.3	1121.1	1080.1	1035.0
-57.5°	1074.7	1096.7	1106.5	1109.1	1106.5	1096.7	1074.7	1049.7	1021.7	980.0	934.1
-60°	968.4	987.0	992.9	992.9	992.9	987.0	968.4	947.8	925.2	890.1	849.2
-62.5°	892.7	912.1	921.5	926.4	921.5	912.1	892.7	871.8	849.9	815.9	773.8
-65°	795.6	813.4	820.9	823.5	820.9	813.4	795.6	774.7	750.6	714.0	668.4
-67.5°	634.3	651.1	655.9	655.8	655.9	651.1	634.3	614.8	593.0	565.2	531.8
-70°	457.2	468.4	470.2	468.2	470.2	468.4	457.2	443.4	427.1	406.9	381.7
-72.5°	276.5	282.9	285.4	285.6	285.4	282.9	276.5	268.1	257.8	244.6	227.1
-75°	132.2	134.6	136.6	137.8	136.6	134.6	132.2	129.0	124.7	119.1	111.2
-77.5°	69.3	72.5	73.7	74.7	73.7	72.5	69.3	65.9	62.4	58.7	55.0
-80°	44.2	46.2	46.4	46.5	46.4	46.2	44.2	42.1	39.9	37.6	35.4
-82.5°	29.6	31.4	31.5	31.5	31.5	31.4	29.6	27.7	25.9	24.0	22.9
-85°	20.3	21.6	22.4	23.2	22.4	21.6	20.3	18.9	17.6	16.2	15.3
-87.5°	15.3	16.6	16.6	16.6	16.6	16.6	15.3	14.0	12.8	11.5	10.6
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.5	7.0	6.6	6.6	6.6	6.6	6.6	7.0	7.5	7.9	8.3
87.5°	2.5	2.9	3.3	3.7	4.2	4.6	5.0	5.4	5.8	6.2	6.6
85°	2.5	2.9	3.3	3.7	4.2	4.6	5.0	5.4	5.8	6.2	6.6
82.5°	3.9	4.2	4.5	4.6	4.7	4.8	5.0	5.4	5.8	6.2	6.6
80°	4.2	4.6	5.0	5.0	5.0	5.0	5.1	5.5	5.9	6.3	6.7
77.5°	4.2	4.7	5.0	5.2	5.3	5.3	5.2	5.5	5.9	6.3	6.7
75°	4.3	4.7	5.2	5.7	6.1	6.4	6.6	6.8	6.9	7.0	7.1
72.5°	7.3	7.5	7.7	7.8	7.4	7.7	8.2	8.5	8.6	8.5	8.2
70°	11.0	12.1	13.6	15.2	16.0	15.9	15.2	13.8	11.7	10.9	10.1
67.5°	12.8	14.4	16.9	19.7	21.6	23.0	24.2	24.5	23.2	20.7	15.3
65°	12.8	14.4	16.4	18.6	21.5	25.0	30.1	32.8	33.0	31.3	24.3
62.5°	10.8	12.8	14.0	15.6	17.9	21.6	27.5	32.9	38.1	39.6	31.8
60°	7.6	8.4	10.0	11.6	13.4	17.3	23.7	30.1	36.6	36.8	34.3
57.5°	6.8	7.1	8.3	9.2	9.9	13.2	18.8	26.0	33.1	32.2	30.4
55°	8.2	8.6	9.1	9.5	10.0	11.3	13.8	18.8	25.2	26.7	25.5
52.5°	9.9	10.3	10.8	11.2	11.3	11.2	11.2	14.2	17.1	19.7	20.6
50°	11.5	12.0	12.5	12.9	13.0	12.7	12.4	12.1	13.8	15.8	16.6
47.5°	15.2	15.8	14.9	14.7	15.8	14.9	14.4	14.5	15.4	14.8	15.6
45°	25.3	24.5	22.8	22.6	21.9	21.2	18.3	19.7	19.9	19.0	16.5
42.5°	48.6	41.3	35.9	36.3	34.1	31.8	29.1	28.5	27.6	25.3	23.8
40°	74.3	73.8	66.8	58.9	53.8	47.0	44.0	40.4	38.2	34.8	34.0
37.5°	105.8	103.1	107.6	103.7	88.8	75.5	66.2	56.6	50.3	53.5	50.8
35°	156.9	154.0	161.5	153.9	142.5	136.4	105.4	82.4	74.7	82.9	74.6
32.5°	233.8	270.8	258.7	238.8	249.1	234.5	187.1	129.1	128.3	126.3	111.9
30°	458.3	491.0	474.0	420.1	434.4	403.8	305.1	285.3	239.2	182.1	159.1
27.5°	998.9	814.3	785.0	773.8	686.2	628.9	579.6	522.3	402.8	295.5	221.1
25°	1709.3	1435.8	1240.6	1187.2	1079.0	914.8	886.8	815.9	668.9	449.2	303.9
22.5°	2534.0	2156.6	1842.4	1647.9	1474.6	1274.3	1169.8	1125.2	967.1	641.8	438.6
20°	3375.4	2873.8	2446.4	2135.8	1824.4	1585.0	1447.4	1377.0	1180.8	875.7	579.3
17.5°	5311.0	3772.4	3131.9	2659.3	2219.4	1893.2	1760.9	1594.0	1394.1	1102.6	716.1
15°	8328.6	5820.5	4310.8	3406.3	2756.4	2395.5	2167.8	1848.7	1603.5	1303.0	928.9
12.5°	15618.9	9315.6	5749.1	4446.6	3606.8	3019.1	2643.8	2206.9	1839.9	1578.0	1244.1
10°	23558.0	14167.2	8546.1	5955.0	4631.7	3732.5	3104.7	2569.7	2147.8	1878.3	1555.6
7.5°	33151.8	19642.2	11518.3	7404.8	5550.2	4340.2	3509.3	2878.4	2433.8	2159.5	1858.8
5°	40945.9	23605.4	13330.8	8490.6	6320.8	4910.6	3922.7	3140.2	2699.4	2423.2	2147.8
2.5°	45779.1	25735.2	14401.9	9390.7	6964.0	5389.5	4262.0	3363.0	2905.7	2594.2	2308.3
0°	46973.0	27413.1	15243.2	9418.8	7282.0	5686.5	4466.2	3558.0	3078.2	2737.8	2444.0
-2.5°	47056.3	26954.4	15063.1	9329.5	7127.0	5624.6	4472.5	3651.7	3176.6	2812.0	2493.9
-5°	43446.3	24561.5	13985.5	9009.1	6894.6	5483.6	4458.6	3737.0	3251.2	2874.3	2511.6
-7.5°	39288.3	21673.3	12606.5	8496.6	6564.4	5297.3	4437.3	3806.1	3302.0	2942.5	2535.3
-10°	31604.8	18238.0	11357.2	8057.0	6260.5	5104.3	4412.6	3827.7	3338.9	2998.2	2521.0
-12.5°	26682.7	15282.8	9838.6	7451.3	6015.7	5025.1	4391.5	3786.8	3364.2	3042.7	2466.3
-15°	19918.9	12744.5	8937.0	7001.5	5816.0	4920.1	4310.4	3666.8	3272.1	3020.3	2369.3
-17.5°	14836.8	10136.3	7653.4	6257.3	5334.4	4770.8	4144.5	3537.0	3114.8	2792.1	2123.3
-20°	10025.3	7881.6	6574.5	5500.1	4716.2	4248.6	3819.3	3309.9	2920.7	2465.8	1812.3



REPORT NUMBER: P731579 (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°	7435.1	6291.3	5368.8	4613.3	4091.0	3697.6	3336.5	2970.9	2680.6	2128.0	1495.0
-25°	5776.7	4975.1	4373.3	3968.9	3520.2	3155.7	2896.2	2671.3	2305.9	1775.0	1209.9
-27.5°	4635.0	4077.2	3754.7	3456.3	3108.3	2778.1	2562.4	2366.7	1928.6	1426.9	1116.4
-30°	3877.7	3628.1	3354.7	3071.2	2807.5	2542.1	2321.0	1966.8	1562.2	1157.0	1032.1
-32.5°	3468.7	3278.3	3039.2	2787.0	2563.9	2371.8	2023.0	1587.5	1216.7	1069.3	962.3
-35°	3169.9	2974.8	2746.4	2559.1	2387.7	2092.8	1711.8	1287.6	1082.4	988.2	897.3
-37.5°	2895.5	2686.3	2526.9	2355.8	2102.2	1766.2	1345.2	1123.2	1006.2	921.1	828.4
-40°	2717.6	2522.9	2271.8	2051.3	1706.6	1324.7	1156.2	1041.4	949.8	850.4	754.8
-42.5°	2442.5	2191.5	1890.0	1545.0	1263.4	1161.8	1064.0	978.0	883.1	778.2	684.1
-45°	1916.2	1606.7	1324.6	1228.0	1134.6	1062.2	992.8	900.5	801.2	707.0	614.5
-47.5°	1342.8	1250.1	1163.5	1104.1	1045.1	979.0	897.7	809.3	721.6	635.4	562.9
-50°	1150.5	1115.4	1071.8	1016.2	947.6	874.7	799.9	721.8	646.5	579.0	510.1
-52.5°	1083.6	1032.5	974.7	909.7	843.3	777.2	707.8	648.2	585.7	522.5	457.4
-55°	985.7	931.9	873.8	811.3	747.9	696.5	641.9	584.4	526.3	466.0	409.6
-57.5°	885.2	835.1	785.1	733.4	680.2	626.9	573.3	519.7	467.5	414.3	363.1
-60°	805.3	758.7	710.6	659.1	604.1	551.2	505.4	458.1	409.2	366.6	322.8
-62.5°	729.5	682.8	631.9	579.7	530.2	484.6	441.3	400.0	361.8	322.9	273.3
-65°	623.0	578.5	535.2	492.9	452.0	413.0	376.6	336.7	295.9	257.2	214.2
-67.5°	498.8	466.7	433.6	397.6	357.7	319.3	282.9	248.6	215.6	183.1	145.8
-70°	354.5	325.5	295.2	265.3	237.9	211.2	184.0	156.9	130.0	109.2	87.7
-72.5°	208.3	188.4	168.2	148.2	127.4	112.6	99.4	85.6	70.6	54.6	42.5
-75°	102.5	93.0	83.2	73.7	63.3	52.1	46.1	42.6	39.1	35.3	31.4
-77.5°	51.1	47.2	43.5	40.8	38.1	35.4	32.7	30.0	27.9	25.9	24.1
-80°	33.1	30.9	28.8	27.4	26.0	24.5	23.0	21.7	20.5	19.4	18.4
-82.5°	21.7	20.5	19.2	18.3	17.4	16.4	15.4	14.7	14.1	13.3	12.6
-85°	14.3	13.3	12.3	11.8	11.3	10.8	10.4	10.4	10.5	10.5	10.7
-87.5°	9.8	9.0	8.1	8.1	8.1	8.0	8.0	8.4	8.8	9.1	9.5
-90°	2.5	2.9	3.3	3.7	4.2	4.6	5.0	5.4	5.8	6.2	6.6





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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°	8.3	8.3	8.3	8.3	8.7	9.2	9.6	10.0	9.6	9.2	8.7
87.5°	6.6	6.6	6.6	6.6	7.0	7.5	7.9	8.3	8.3	8.3	8.3
85°	6.8	6.8	6.9	6.9	7.1	7.5	7.9	8.3	8.3	8.3	8.3
82.5°	7.1	7.4	7.7	7.8	7.8	7.9	8.1	8.3	8.4	8.3	8.3
80°	7.1	7.5	7.9	8.3	8.3	8.3	8.2	8.3	8.6	8.6	8.6
77.5°	7.1	7.6	8.0	8.3	8.3	8.3	8.3	8.4	8.8	8.9	9.0
75°	7.2	7.6	8.0	8.3	8.3	8.3	8.3	8.4	8.8	9.3	9.4
72.5°	8.0	8.0	8.1	8.3	8.3	8.3	8.3	8.5	8.9	9.3	9.7
70°	9.2	8.5	8.3	8.4	8.5	8.3	8.3	8.5	8.9	9.3	9.7
67.5°	10.8	9.8	9.0	8.8	8.9	8.8	8.4	8.6	9.0	9.4	9.8
65°	17.9	13.1	9.9	9.5	9.4	9.4	9.1	8.8	9.1	9.4	9.8
62.5°	24.4	17.8	13.4	10.8	9.8	9.8	9.9	9.4	9.2	9.5	9.9
60°	30.6	22.9	17.0	13.6	11.1	9.9	10.0	9.9	9.5	9.6	10.0
57.5°	28.3	26.6	21.6	16.5	13.1	10.8	10.0	10.0	9.8	9.7	10.0
55°	24.1	23.2	23.9	20.0	15.3	12.3	10.4	10.0	10.0	9.9	10.0
52.5°	19.6	20.8	22.6	21.8	17.7	13.7	11.5	10.0	10.0	10.0	10.0
50°	16.2	18.7	21.6	22.1	19.5	15.4	12.5	10.7	10.0	10.0	10.1
47.5°	16.2	18.4	20.2	22.5	20.9	16.9	13.6	11.4	10.0	10.0	10.2
45°	18.7	19.7	20.4	21.8	22.3	18.0	14.6	12.1	10.5	10.1	10.4
42.5°	22.8	23.2	22.7	21.5	22.2	18.9	15.4	12.7	10.9	10.2	10.5
40°	31.5	28.4	26.2	25.5	23.1	19.4	15.8	13.1	11.3	10.4	10.6
37.5°	41.9	36.7	32.0	32.8	26.4	21.2	16.1	13.4	11.9	10.9	10.7
35°	61.0	47.6	45.5	44.3	35.5	24.0	16.0	13.5	12.6	11.3	10.8
32.5°	83.9	70.6	68.4	59.5	47.1	27.8	17.8	14.6	13.4	11.8	10.9
30°	126.9	114.1	97.8	77.6	61.4	38.5	21.9	16.1	14.2	12.2	11.0
27.5°	195.6	165.2	135.0	104.7	78.6	51.4	27.3	17.9	15.2	12.8	11.4
25°	269.2	228.3	184.2	138.1	97.6	70.2	32.5	20.2	16.5	13.5	11.7
22.5°	346.9	296.3	238.3	175.3	125.1	92.3	42.8	24.6	18.1	14.3	12.1
20°	426.0	366.7	299.0	220.0	158.9	115.8	59.5	28.9	19.9	15.1	12.4
17.5°	513.0	452.3	377.4	276.3	195.7	140.4	77.7	33.0	21.8	15.9	12.7
15°	679.3	556.1	463.2	337.6	232.0	165.6	96.9	37.0	23.8	16.7	13.0
12.5°	882.1	661.0	554.4	402.2	267.5	191.2	116.7	40.7	25.8	18.1	13.4
10°	1105.2	765.9	648.8	468.4	301.9	216.6	136.3	47.2	29.8	20.1	13.7
7.5°	1339.0	869.8	744.0	534.2	338.9	252.4	174.8	60.4	34.1	22.2	14.0
5°	1556.4	963.5	838.3	616.1	396.4	298.5	216.3	74.3	38.4	24.3	14.4
2.5°	1686.3	1039.7	926.8	695.7	451.9	342.9	256.5	88.1	42.6	26.3	14.6
0°	1791.5	1110.7	1007.8	768.7	504.7	385.2	293.9	101.3	46.5	28.2	14.9
-2.5°	1813.1	1151.1	1035.9	810.1	554.3	426.6	324.0	123.1	61.8	37.4	19.8
-5°	1808.7	1186.8	1057.7	844.4	600.0	465.1	349.2	143.5	76.4	46.3	24.6
-7.5°	1803.3	1203.8	1069.0	869.1	641.4	500.0	368.8	162.0	90.1	54.5	29.1
-10°	1763.9	1207.5	1066.2	865.7	650.2	514.3	379.7	178.3	102.6	61.9	33.0
-12.5°	1678.2	1206.8	1058.8	854.8	648.0	509.8	368.3	189.7	113.5	68.4	36.4
-15°	1541.6	1201.7	1047.2	836.3	639.1	502.3	355.0	197.7	122.3	74.3	39.0
-17.5°	1341.5	1192.3	1032.0	810.2	623.0	491.8	340.5	203.4	129.6	79.4	41.5
-20°	1247.3	1146.4	1010.4	776.6	599.3	478.5	325.4	206.6	135.5	83.2	43.6



REPORT NUMBER: P731579 (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°	1177.7	1070.7	932.3	745.5	573.9	462.3	310.5	207.4	139.8	85.5	44.6
-25°	1097.0	992.9	849.3	688.2	552.7	438.7	302.6	205.6	142.3	86.2	44.6
-27.5°	1009.9	910.5	770.4	631.1	521.4	417.4	298.8	207.5	143.1	85.1	43.5
-30°	922.3	824.7	703.4	579.6	488.6	388.2	292.0	207.5	141.6	83.3	41.1
-32.5°	854.9	746.8	640.7	541.9	454.4	358.7	275.6	205.1	137.7	80.5	39.4
-35°	791.6	683.6	581.8	503.3	420.1	333.9	256.5	200.4	131.4	75.9	37.2
-37.5°	725.7	626.2	539.1	465.0	386.3	307.2	241.0	185.5	122.5	69.4	34.1
-40°	662.1	573.4	498.5	428.7	354.3	278.6	224.0	168.5	113.0	61.2	30.0
-42.5°	598.3	527.4	458.5	393.0	321.1	258.0	205.4	150.3	99.6	54.1	24.8
-45°	546.7	480.3	416.9	354.0	287.9	236.1	184.1	131.4	84.5	47.1	21.0
-47.5°	493.6	432.8	374.8	315.0	262.2	212.4	161.6	113.2	68.5	38.7	19.7
-50°	440.0	386.4	333.9	282.7	234.9	186.5	138.4	93.7	57.1	28.7	18.2
-52.5°	395.7	344.4	297.2	251.7	205.7	159.5	115.2	73.7	44.8	24.0	16.4
-55°	354.9	305.0	262.1	218.7	175.0	131.9	90.6	58.8	31.8	21.4	14.6
-57.5°	316.0	267.1	225.2	184.2	142.6	102.8	69.8	42.9	26.1	18.5	14.4
-60°	276.0	227.7	186.7	146.7	108.1	76.2	50.8	30.3	22.4	16.0	14.1
-62.5°	227.2	183.9	142.8	106.3	77.4	53.3	33.6	25.5	18.4	15.4	13.7
-65°	171.6	132.1	97.1	73.0	50.4	34.0	27.5	20.5	16.7	14.7	13.3
-67.5°	110.5	85.7	62.5	41.7	33.1	27.4	21.3	17.8	15.6	13.9	12.8
-70°	66.1	45.7	36.1	31.2	26.2	21.3	18.5	16.2	14.3	13.2	12.3
-72.5°	37.5	32.8	28.3	24.1	21.4	18.8	16.4	14.5	13.4	12.5	11.7
-75°	27.5	25.0	22.8	20.7	18.3	16.2	14.6	13.2	12.4	11.7	11.3
-77.5°	22.2	20.5	18.8	17.4	15.8	14.3	13.0	11.9	11.4	11.1	10.8
-80°	17.2	16.2	15.4	14.6	13.4	12.4	11.6	11.1	10.8	10.6	10.3
-82.5°	12.2	12.3	12.4	12.3	11.7	11.2	10.8	10.4	10.2	10.0	9.9
-85°	10.7	10.7	10.6	10.5	10.2	10.0	10.0	10.0	9.9	9.7	9.5
-87.5°	9.4	9.4	9.3	9.3	9.4	9.6	9.8	10.0	9.7	9.4	9.1
-90°	6.6	6.6	6.6	6.6	7.0	7.5	7.9	8.3	8.3	8.3	8.3



REPORT NUMBER: P731579 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.4	8.4	8.5	8.4	8.3	8.3
85°	8.3	8.5	8.6	8.6	8.6	8.4	8.3
82.5°	8.3	8.6	8.7	8.8	8.7	8.4	8.3
80°	8.4	8.7	8.9	9.0	8.9	8.4	8.3
77.5°	8.8	8.9	9.1	9.1	9.0	8.5	8.3
75°	9.3	9.1	9.2	9.3	9.1	8.5	8.3
72.5°	9.7	9.4	9.4	9.5	9.3	8.5	8.3
70°	10.0	9.7	9.5	9.7	9.4	8.6	8.3
67.5°	10.0	9.9	9.7	9.7	9.5	8.6	8.3
65°	10.0	10.0	9.8	9.8	9.6	8.6	8.3
62.5°	10.0	10.0	9.9	9.8	9.7	8.6	8.3
60°	10.0	10.0	10.0	9.9	9.8	8.7	8.3
57.5°	10.0	10.0	10.0	9.9	9.8	8.7	8.3
55°	10.0	10.0	10.0	9.9	9.7	8.7	8.3
52.5°	10.0	10.0	10.0	10.0	9.7	8.7	8.3
50°	10.0	10.0	10.0	10.0	9.7	8.7	8.3
47.5°	10.0	10.0	10.0	10.0	9.7	8.7	8.3
45°	10.1	10.0	10.0	10.0	9.7	8.7	8.3
42.5°	10.3	10.0	10.0	10.0	9.7	8.7	8.3
40°	10.5	10.0	10.0	10.0	9.7	8.7	8.3
37.5°	10.7	10.0	10.0	10.0	9.7	8.7	8.3
35°	10.9	10.1	10.0	10.0	9.7	8.7	8.3
32.5°	11.1	10.3	10.0	10.0	9.8	8.7	8.3
30°	11.2	10.4	10.0	10.0	9.8	8.7	8.3
27.5°	11.3	10.6	10.0	10.0	9.8	8.6	8.3
25°	11.4	10.8	10.0	10.0	9.8	8.6	8.3
22.5°	11.5	11.0	10.0	10.0	9.8	8.6	8.3
20°	11.6	11.1	10.0	10.0	9.9	8.6	8.3
17.5°	11.7	11.2	10.0	10.0	9.9	8.5	8.3
15°	11.9	11.3	10.0	10.0	9.9	8.5	8.3
12.5°	12.1	11.4	10.0	10.0	9.9	8.5	8.3
10°	12.3	11.5	10.0	10.0	10.0	8.4	8.3
7.5°	12.6	11.5	10.0	10.0	10.0	8.4	8.3
5°	12.8	11.6	10.0	10.0	10.0	8.4	8.3
2.5°	13.1	11.6	10.0	10.0	10.0	8.3	8.3
0°	13.3	11.6	10.0	10.0	10.0	8.3	8.3
-2.5°	14.6	11.6	10.0	10.0	10.0	8.3	8.3
-5°	15.8	11.6	10.0	10.0	10.0	8.3	8.3
-7.5°	17.0	11.5	10.0	10.0	10.0	8.3	8.3
-10°	17.9	11.5	10.0	10.0	9.9	8.3	8.3
-12.5°	18.7	11.4	10.0	10.0	9.9	8.3	8.3
-15°	19.2	11.3	10.0	10.0	9.9	8.3	8.3
-17.5°	19.4	11.2	10.0	10.0	9.8	8.3	8.3
-20°	19.6	11.1	10.0	10.0	9.8	8.3	8.3



REPORT NUMBER: P731579 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.2	11.0	10.0	10.0	9.7	8.3	8.3
-25°	20.3	11.2	10.0	10.0	9.7	8.3	8.3
-27.5°	19.7	11.4	10.0	10.0	9.6	8.3	8.3
-30°	18.5	11.5	10.0	10.0	9.5	8.3	8.3
-32.5°	16.7	11.5	10.2	10.0	9.5	8.3	8.3
-35°	16.1	11.4	10.3	10.0	9.4	8.3	8.3
-37.5°	15.9	11.3	10.4	10.0	9.3	8.3	8.3
-40°	15.6	11.4	10.5	10.0	9.2	8.3	8.3
-42.5°	15.0	11.5	10.6	10.0	9.1	8.3	8.3
-45°	14.2	11.6	10.6	10.1	9.0	8.3	8.3
-47.5°	13.2	11.7	10.7	10.1	8.9	8.3	8.3
-50°	13.1	11.7	10.7	10.0	8.8	8.3	8.3
-52.5°	13.0	11.7	10.7	9.9	8.7	8.3	8.3
-55°	12.9	11.6	10.7	9.7	8.5	8.3	8.3
-57.5°	12.8	11.5	10.6	9.6	8.4	8.3	8.3
-60°	12.6	11.4	10.6	9.4	8.3	8.3	8.3
-62.5°	12.4	11.3	10.4	9.2	8.3	8.3	8.3
-65°	12.1	11.1	10.1	9.1	8.3	8.3	8.3
-67.5°	11.8	10.9	9.9	8.9	8.3	8.3	8.3
-70°	11.5	10.6	9.6	8.7	8.3	8.3	8.3
-72.5°	11.1	10.3	9.4	8.6	8.3	8.3	8.3
-75°	10.8	10.0	9.1	8.6	8.3	8.3	8.3
-77.5°	10.4	9.6	9.0	8.6	8.3	8.3	8.3
-80°	10.0	9.4	8.9	8.5	8.3	8.3	8.3
-82.5°	9.6	9.1	8.7	8.5	8.3	8.3	8.3
-85°	9.2	8.8	8.6	8.4	8.3	8.3	8.3
-87.5°	8.7	8.6	8.4	8.4	8.3	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

