

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: P731578 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-3S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731578 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)  
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-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

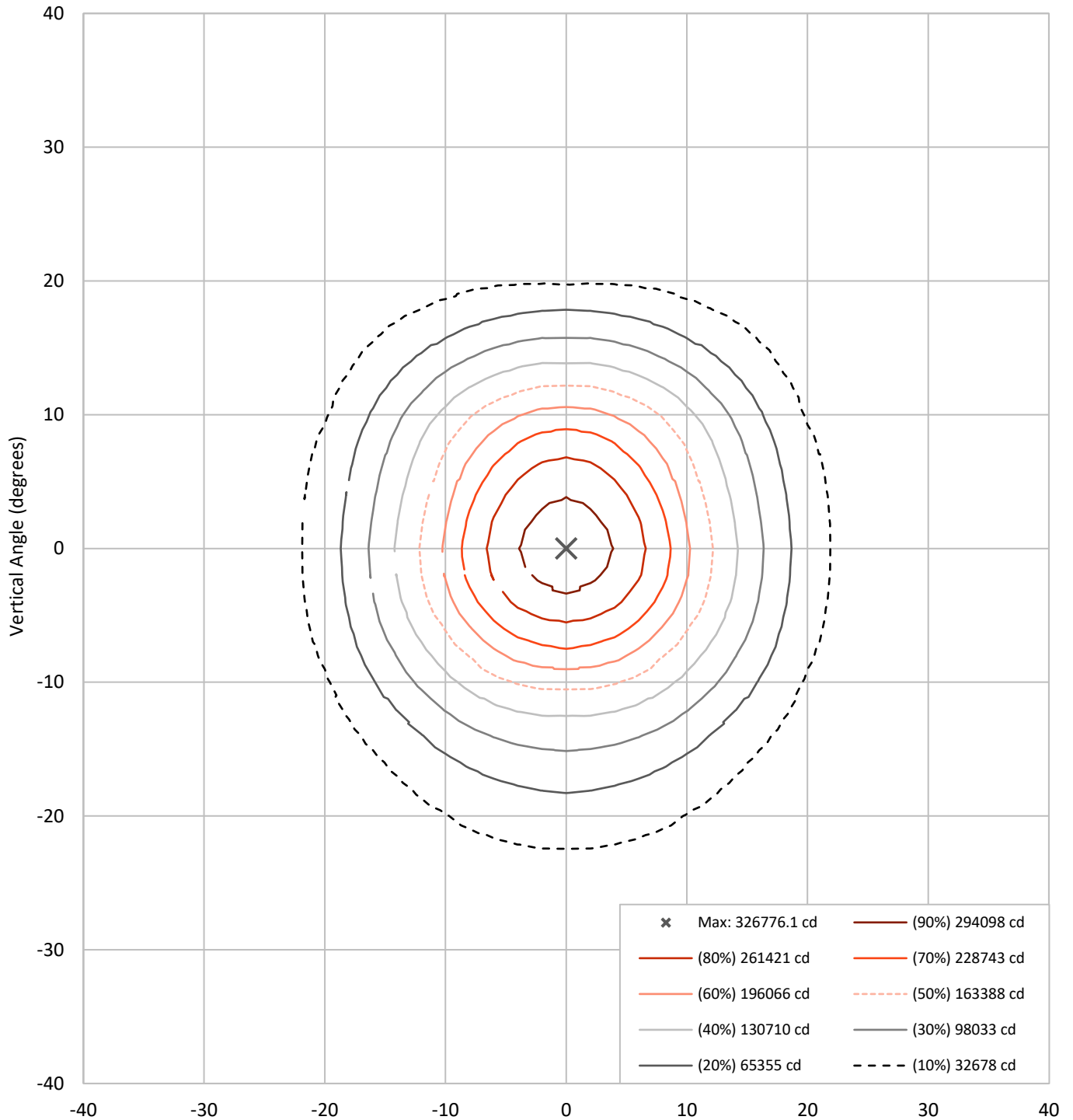
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	67727 lumens	Max Intensity:	326776.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	31936.5 lumens	Field Lumens:	57694.6 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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

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CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV1

### Iso-Candela Plot





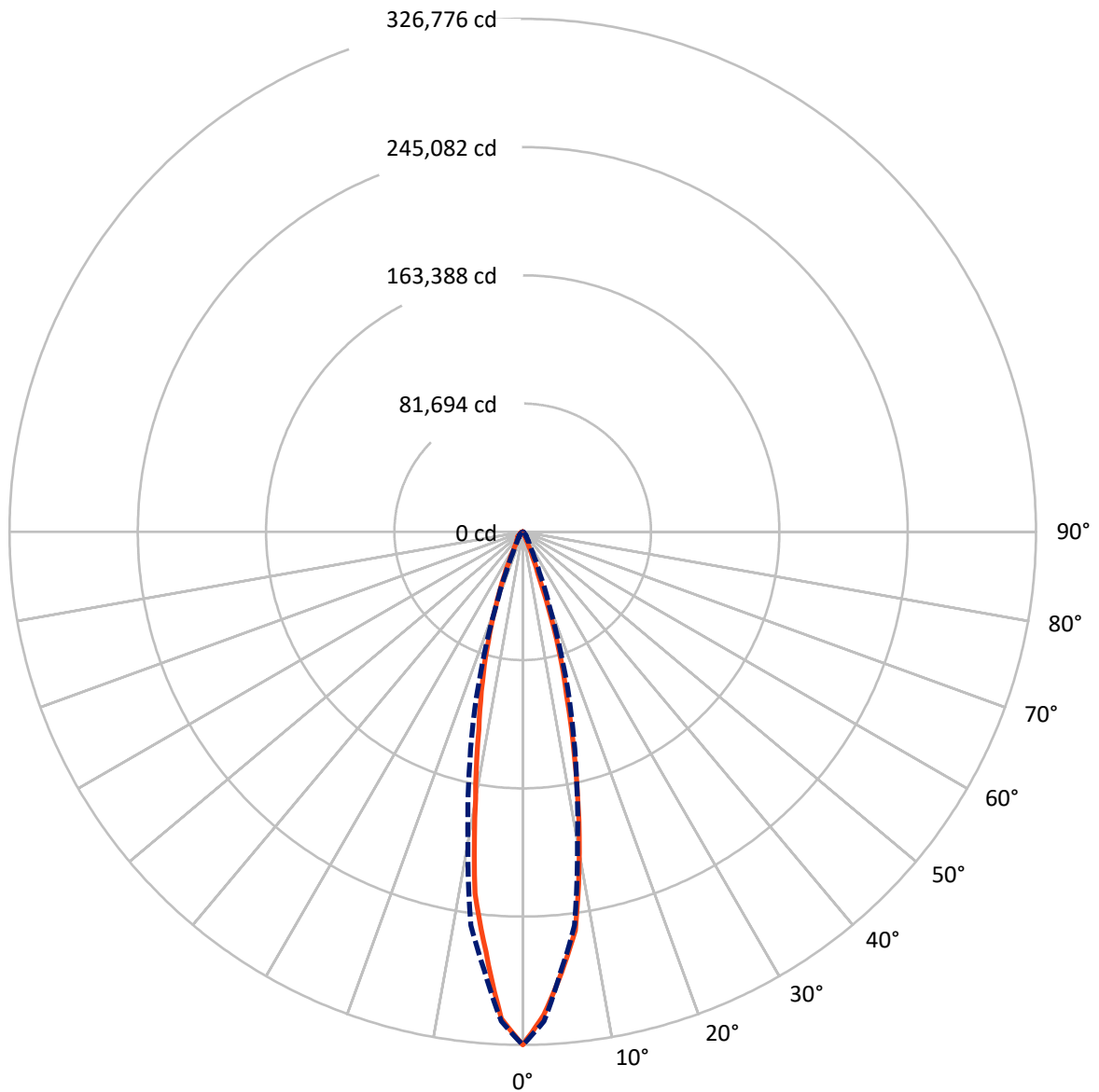
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### Lumen Table

90	0.1		0.2		0.4		0.4		0.4		0.4		0.4		0.2		0.1		
80	0.1		0.2		0.4		0.4		0.4		0.4		0.4		0.2		0.1		
70	0.1	0.1	0.1	0.6	0.7	0.5	0.4	0.3	0.3	0.4	0.5	0.7	0.6	0.1	0.1	0.1			
60		0.1	0.4	0.7	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.7	0.4	0.1				
50	0.1	0.2	0.6	0.6	0.6	1.0	1.8	1.2	1.2	1.8	1.0	0.6	0.6	0.6	0.2	0.1			
40		0.4	1.1	2.7	4.7	6.9	9.4	11.3	11.3	9.4	6.9	4.7	2.7	1.1	0.4				
30	0.2	0.6	4.6	14.4	33.4	55.6	114.2	219.9	219.9	114.2	55.6	33.4	14.4	4.6	0.6	0.2			
20		1.4	9.9	36.8	89.0	235.7	1298.0	3063.1	3063.1	1298.0	235.7	89.0	36.8	9.9	1.4				
10	0.3	2.1	13.1	48.9	114.6	502.8	3111.6	7297.4	7297.4	3111.6	502.8	114.6	48.9	13.1	2.1	0.3			
0		2.6	14.0	49.8	114.8	497.8	3057.3	6993.2	6993.2	3057.3	497.8	114.8	49.8	14.0	2.6				
-10	0.6	3.1	13.3	41.3	90.3	237.6	1239.5	2797.6	2797.6	1239.5	237.6	90.3	41.3	13.3	3.1	0.6			
-20		3.3	12.3	30.9	76.9	134.7	308.4	630.5	630.5	308.4	134.7	76.9	30.9	12.3	3.3				
-30	0.5	2.9	10.6	23.4	56.8	111.4	156.4	192.2	192.2	156.4	111.4	56.8	23.4	10.6	2.9	0.5			
-40		2.1	8.1	18.5	34.5	61.2	100.2	128.2	128.2	100.2	61.2	34.5	18.5	8.1	2.1				
-50	0.3	1.0	4.9	12.4	23.5	36.2	48.5	56.1	56.1	48.5	36.2	23.5	12.4	4.9	1.0	0.3			
-60		0.4	1.7	5.4	11.0	17.4	23.7	27.4	27.4	23.7	17.4	11.0	5.4	1.7	0.4				
-70	0.1	1.0		3.5		8.9		12.1		8.9		3.5		1.0		0.1			
-80		1.0		3.5		8.9		12.1		8.9		3.5		1.0					
-90	0.1		1.0		3.5		8.9		12.1		8.9		3.5		1.0		0.1		

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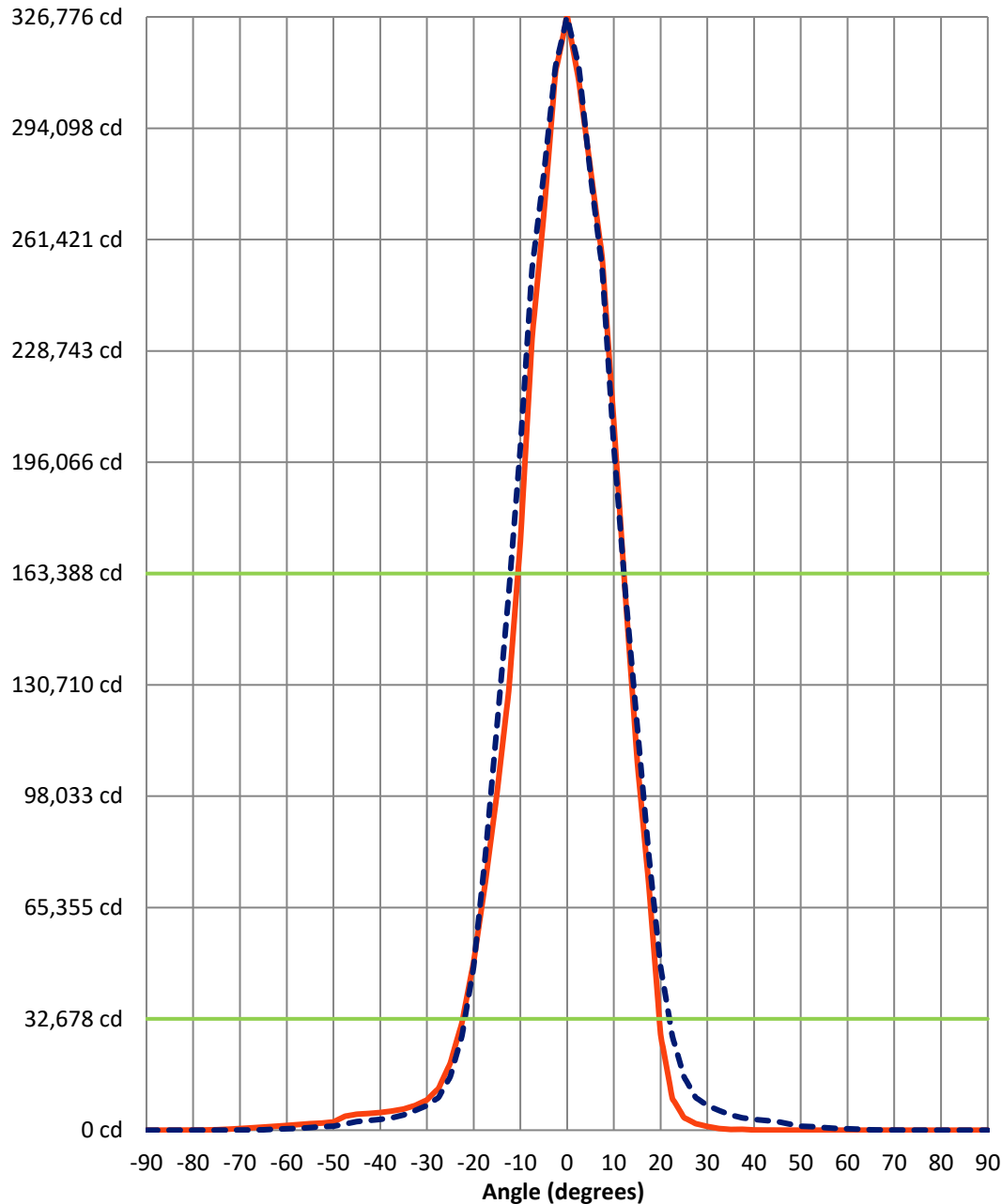
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.3°  
 V Angle: 22.7°  
 Lumens: 31936.5  
 Efficiency: 47.2%

**Field:**  
 H Angle: 43.8°  
 V Angle: 42.1°  
 Lumens: 57694.6  
 Efficiency: 85.2%

**Spill:**  
 Lumens: 10032.4  
 Efficiency: 14.8%

— 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°	3.3	4.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	3.3	3.4	3.4	3.5	3.4	3.4	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.4	3.6	3.6	3.6	3.5	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.5	3.7	3.8	3.7	3.6	3.3	3.3	3.3	3.4	3.3
80°	3.3	3.6	3.9	4.0	3.9	3.7	3.4	3.6	3.6	3.6	3.3
77.5°	3.3	3.7	4.0	4.1	4.1	3.9	3.8	4.0	3.9	3.8	3.4
75°	3.3	3.7	4.2	4.3	4.2	4.1	4.3	4.4	4.3	3.8	3.4
72.5°	3.3	3.8	4.3	4.5	4.4	4.4	4.7	4.7	4.3	3.9	3.5
70°	3.3	3.9	4.5	4.7	4.5	4.7	5.0	4.7	4.3	3.9	4.0
67.5°	3.3	4.0	4.6	4.7	4.7	4.9	5.0	4.8	4.4	4.4	4.6
65°	3.3	4.0	4.7	4.8	4.8	5.0	5.0	4.8	4.6	4.7	5.0
62.5°	3.3	4.1	4.9	4.8	4.9	5.0	5.0	4.9	4.8	5.1	5.2
60°	3.3	4.1	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.3	5.4
57.5°	3.3	4.2	5.0	4.9	5.0	5.0	5.1	5.0	5.3	5.7	5.7
55°	3.3	4.3	5.0	4.9	5.0	5.0	5.2	5.1	5.7	6.1	6.1
52.5°	3.3	4.3	5.0	5.0	5.0	5.0	5.3	5.5	6.1	6.5	6.5
50°	3.3	4.4	5.0	5.0	5.0	5.2	5.5	6.0	6.6	7.1	8.8
47.5°	3.3	4.4	5.0	5.0	5.0	5.3	5.7	6.4	7.2	7.6	11.0
45°	3.3	4.5	5.0	5.0	5.0	5.5	6.0	6.9	7.7	9.4	13.0
42.5°	3.3	4.6	5.0	5.0	5.0	5.7	6.4	7.3	8.2	11.0	16.8
40°	3.3	4.6	5.0	5.0	5.1	5.9	6.8	7.8	9.0	12.4	20.7
37.5°	3.3	4.6	5.0	5.0	5.2	6.1	7.1	8.2	10.1	14.3	24.4
35°	3.3	4.7	5.0	5.0	5.4	6.4	7.5	8.6	11.1	17.6	27.5
32.5°	3.3	4.7	5.0	5.0	5.6	6.7	7.8	9.0	12.0	21.0	30.1
30°	3.3	4.8	5.0	5.0	5.7	6.9	8.2	9.5	12.8	24.4	32.9
27.5°	3.3	4.8	5.0	5.0	5.9	7.2	8.5	10.2	14.3	27.7	35.8
25°	3.3	4.8	5.0	5.0	6.0	7.4	8.8	10.8	17.0	30.4	38.9
22.5°	3.3	4.9	5.0	5.0	6.1	7.6	9.1	11.3	19.5	32.7	44.3
20°	3.3	4.9	5.0	5.0	6.2	7.8	9.3	11.8	21.9	35.1	50.2
17.5°	3.3	4.9	5.0	5.0	6.3	7.9	9.6	12.2	24.1	37.4	56.3
15°	3.3	4.9	5.0	5.0	6.4	8.0	9.9	12.7	26.2	39.6	62.6
12.5°	3.3	5.0	5.0	5.0	6.4	8.1	10.2	13.4	28.6	41.7	68.9
10°	3.3	5.0	5.0	5.0	6.5	8.2	10.5	14.1	31.3	45.1	76.0
7.5°	3.3	5.0	5.0	5.0	6.5	8.2	10.8	14.8	33.8	48.6	84.7
5°	3.3	5.0	5.0	5.0	6.6	8.3	11.1	15.4	36.1	52.0	93.0
2.5°	3.3	5.0	5.0	5.0	6.6	8.3	11.4	16.0	38.1	55.2	100.9
0°	3.3	5.0	5.0	5.0	6.6	8.3	11.6	16.6	39.8	58.1	107.9
-2.5°	3.3	5.0	5.1	5.2	6.9	9.0	13.6	21.8	49.0	73.0	127.1
-5°	3.3	5.0	5.1	5.4	7.2	9.7	15.5	26.8	57.6	87.3	145.1
-7.5°	3.3	5.0	5.2	5.6	7.4	10.4	17.3	31.4	65.5	100.8	161.6
-10°	3.3	5.0	5.3	5.8	7.7	11.0	18.9	35.6	72.4	113.1	176.5
-12.5°	3.3	5.0	5.3	6.0	7.9	11.5	20.3	39.2	78.4	124.0	191.5
-15°	3.3	4.9	5.4	6.2	8.1	12.0	21.4	42.2	83.6	133.9	204.8
-17.5°	3.3	4.9	5.4	6.4	8.4	12.4	22.3	44.9	88.3	142.2	215.0
-20°	3.3	4.9	5.5	6.5	8.5	12.7	23.1	47.3	91.4	148.7	221.7



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	4.9	5.5	6.7	8.7	12.8	23.9	48.6	92.9	153.4	224.8
-25°	3.3	4.9	5.6	6.8	8.9	13.0	24.1	48.9	92.6	155.9	223.8
-27.5°	3.3	4.9	5.6	6.9	9.0	13.1	23.7	47.9	90.5	156.1	226.0
-30°	3.3	4.8	5.6	7.0	9.1	13.0	22.7	45.8	88.4	153.3	225.6
-32.5°	3.3	4.8	5.6	7.0	9.2	12.8	21.1	44.2	85.8	148.0	222.3
-35°	3.3	4.8	5.6	7.1	9.2	12.4	20.3	42.3	81.4	140.0	216.2
-37.5°	3.3	4.8	5.6	7.1	9.2	12.1	19.8	39.3	75.2	129.5	202.4
-40°	3.3	4.7	5.5	7.0	9.2	12.1	19.0	35.4	67.2	119.7	185.3
-42.5°	3.3	4.7	5.5	7.0	9.1	12.0	18.1	30.5	60.3	107.1	165.6
-45°	3.3	4.7	5.5	6.9	9.0	11.8	16.9	26.5	53.5	92.4	144.3
-47.5°	3.3	4.7	5.4	6.8	8.9	11.6	15.4	24.7	45.3	76.1	125.6
-50°	3.3	4.6	5.3	6.7	8.7	11.3	14.8	22.6	35.4	64.7	104.8
-52.5°	3.3	4.6	5.3	6.6	8.5	10.9	14.3	20.2	30.2	52.4	82.9
-55°	3.3	4.6	5.2	6.5	8.3	10.6	13.7	17.7	26.9	39.1	67.6
-57.5°	3.3	4.5	5.1	6.3	8.1	10.2	13.0	16.8	23.3	32.8	51.2
-60°	3.3	4.5	5.0	6.2	7.8	9.9	12.3	15.8	20.0	28.3	37.8
-62.5°	3.3	4.5	5.0	6.0	7.6	9.5	11.7	14.7	18.7	23.7	32.4
-65°	3.3	4.5	5.0	5.8	7.2	9.0	11.1	13.7	17.3	21.3	26.7
-67.5°	3.3	4.4	5.0	5.6	6.9	8.6	10.5	12.9	15.7	19.4	23.4
-70°	3.3	4.4	5.0	5.4	6.6	8.1	9.8	12.0	14.6	17.5	21.1
-72.5°	3.3	4.4	5.0	5.3	6.2	7.5	9.1	11.1	13.5	16.1	18.8
-75°	3.3	4.3	5.0	5.3	5.8	7.0	8.3	10.2	12.3	14.6	17.0
-77.5°	3.3	4.3	5.0	5.2	5.7	6.4	7.5	9.1	11.0	13.0	15.1
-80°	3.3	4.3	5.0	5.2	5.5	6.0	6.7	8.1	9.7	11.4	13.2
-82.5°	3.3	4.3	5.0	5.2	5.4	5.8	6.2	7.2	8.3	9.7	11.2
-85°	3.3	4.2	5.0	5.1	5.3	5.5	5.8	6.5	7.2	8.2	9.2
-87.5°	3.3	4.2	5.0	5.1	5.1	5.3	5.4	5.7	6.1	6.6	7.1
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3





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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°	5.4	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	2.9	2.5	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	2.9	2.5	2.2	1.9	2.0	1.9	1.8	1.7	1.7	1.7	1.7
82.5°	3.1	2.9	2.8	2.9	2.7	2.5	2.2	1.9	2.0	1.9	1.9
80°	3.2	3.3	3.3	3.3	3.1	3.0	3.0	3.0	2.9	2.7	2.4
77.5°	3.3	3.3	3.3	3.3	3.3	3.4	3.7	4.1	4.1	4.0	3.8
75°	3.3	3.3	3.4	3.4	3.5	3.9	4.4	4.9	4.8	4.7	4.7
72.5°	3.6	3.8	3.8	3.5	3.8	4.4	4.8	5.0	6.0	7.3	8.3
70°	4.3	4.3	4.2	4.3	4.7	5.4	7.1	9.4	11.8	13.4	15.7
67.5°	4.9	4.7	4.8	5.2	6.3	8.3	10.9	16.7	23.2	25.8	27.1
65°	5.0	4.9	5.4	6.5	8.1	13.0	19.5	27.1	35.0	36.8	36.7
62.5°	5.0	5.2	6.1	8.6	13.3	19.4	27.8	36.3	44.7	43.3	38.2
60°	5.2	5.4	8.4	13.3	18.9	27.1	36.2	40.8	43.4	43.1	37.2
57.5°	5.4	7.3	12.4	18.6	26.5	33.6	36.6	39.2	40.8	42.1	34.9
55°	6.7	10.7	17.0	25.3	31.7	33.1	34.8	35.8	37.2	34.5	26.7
52.5°	9.8	14.5	22.9	30.1	32.9	32.6	30.9	31.1	28.8	25.2	21.3
50°	12.6	19.9	27.9	32.4	33.7	31.2	26.8	25.4	23.1	20.1	17.4
47.5°	16.9	25.2	30.9	34.7	33.8	30.3	25.1	22.0	19.6	18.8	16.1
45°	21.6	28.9	34.3	35.9	34.2	29.6	25.4	19.9	21.0	20.8	20.6
42.5°	26.1	32.0	36.6	37.9	34.1	31.1	27.5	26.1	26.0	29.3	31.5
40°	29.0	35.0	39.2	39.6	35.5	34.7	37.2	38.8	37.3	43.0	47.7
37.5°	31.5	38.0	43.3	45.3	40.1	44.2	50.5	67.9	69.6	59.6	76.4
35°	34.0	41.6	51.4	59.2	58.9	59.3	86.1	112.7	125.1	109.5	124.0
32.5°	37.0	45.6	62.7	82.9	99.6	102.2	131.3	185.4	210.7	211.8	209.8
30°	41.3	56.3	80.3	113.5	155.7	196.6	218.8	278.2	319.0	388.8	441.6
27.5°	47.4	70.1	109.8	165.2	231.9	313.1	362.5	396.9	497.4	627.9	768.6
25°	54.3	97.9	143.9	231.7	344.8	448.0	511.1	552.3	727.9	986.8	1167.9
22.5°	69.4	133.6	193.8	307.2	472.4	588.4	654.9	788.1	1060.3	1407.8	1622.3
20°	95.5	177.4	252.5	375.9	602.9	732.1	795.1	1059.3	1479.5	1835.9	2131.2
17.5°	125.6	221.4	310.7	456.6	676.2	842.7	949.7	1349.7	1926.1	2246.2	2584.5
15°	158.7	265.4	362.4	528.2	746.9	908.1	1139.8	1699.6	2334.6	2640.2	2989.3
12.5°	193.8	308.9	408.3	591.0	816.5	968.6	1309.9	1949.2	2545.4	2959.3	3412.2
10°	229.6	351.3	448.8	645.2	883.7	1024.3	1469.7	2157.3	2656.9	3046.2	3574.6
7.5°	251.7	380.5	481.9	691.1	946.9	1075.1	1615.5	2325.3	2736.1	3097.7	3596.8
5°	267.7	394.6	498.2	722.3	991.0	1115.6	1734.6	2454.8	2787.5	3118.2	3557.4
2.5°	279.6	405.6	512.0	745.7	1018.1	1143.3	1790.5	2504.7	2821.6	3143.3	3563.2
0°	287.2	413.4	523.0	762.1	1036.0	1167.2	1819.7	2522.0	2842.5	3164.6	3622.8
-2.5°	297.4	424.7	540.4	778.8	1040.6	1172.5	1824.0	2515.2	2854.5	3215.5	3687.3
-5°	304.1	432.9	554.4	788.2	1037.3	1173.2	1801.1	2479.3	2837.1	3203.0	3662.5
-7.5°	308.1	437.9	564.4	789.0	1019.5	1155.5	1722.9	2366.4	2739.8	3083.1	3534.6
-10°	311.4	445.0	573.8	775.6	985.2	1124.6	1612.7	2232.3	2631.7	2947.9	3371.9
-12.5°	321.8	454.6	580.8	759.3	950.0	1089.7	1477.9	2081.1	2515.1	2799.4	3196.4
-15°	329.2	462.4	585.0	741.7	915.9	1051.1	1319.4	1916.3	2426.2	2745.5	3085.9
-17.5°	333.5	468.7	586.4	723.7	884.8	1009.1	1145.2	1763.5	2355.5	2716.4	3030.6
-20°	334.8	473.7	585.5	706.8	857.4	984.2	1106.6	1578.0	2182.4	2669.9	2981.8



REPORT NUMBER: P731578 (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°	333.2	477.8	583.9	699.0	839.7	972.9	1091.8	1372.9	1953.9	2602.8	2919.3
-25°	332.2	472.2	583.7	688.1	819.8	959.3	1076.4	1181.2	1697.0	2345.0	2835.3
-27.5°	330.1	463.4	571.9	670.8	794.9	940.3	1058.4	1161.8	1460.3	2052.1	2703.3
-30°	322.6	439.8	555.8	649.2	769.6	908.1	1038.0	1147.5	1259.1	1753.1	2360.6
-32.5°	305.9	414.1	529.3	628.1	738.3	870.7	1009.1	1122.4	1235.7	1417.0	1993.2
-35°	288.2	389.7	498.3	602.0	700.4	827.8	959.9	1088.8	1201.5	1320.1	1601.3
-37.5°	274.6	363.0	466.0	569.3	667.1	779.0	905.4	1035.8	1157.3	1279.7	1418.1
-40°	258.1	334.1	433.7	532.8	630.3	731.4	848.1	971.2	1098.6	1239.5	1369.3
-42.5°	238.5	312.5	399.7	495.1	589.7	686.7	787.4	904.1	1037.2	1186.2	1323.5
-45°	213.8	287.9	364.9	454.3	545.7	638.1	733.9	834.9	968.4	1110.7	1256.7
-47.5°	186.2	259.3	333.6	410.1	497.8	586.9	676.4	778.4	891.2	1023.6	1165.6
-50°	157.6	225.2	297.8	368.5	445.9	531.4	617.7	716.1	822.4	932.7	1057.0
-52.5°	131.5	188.1	255.8	325.8	395.5	471.3	555.5	647.3	745.7	850.7	952.9
-55°	103.0	153.6	209.9	276.6	345.3	412.9	485.3	569.4	660.0	755.9	851.6
-57.5°	80.0	118.0	166.4	222.2	287.1	354.5	418.8	485.9	565.2	651.1	734.9
-60°	60.0	87.2	123.8	171.0	223.3	285.4	349.5	411.6	474.5	538.0	612.0
-62.5°	41.7	62.8	88.2	120.7	165.6	214.1	270.4	329.5	389.5	444.0	498.1
-65°	35.0	42.1	59.6	83.4	108.6	149.6	194.7	241.9	294.5	341.7	390.3
-67.5°	28.0	34.5	40.8	50.3	72.0	95.7	121.2	161.1	202.2	236.1	270.9
-70°	24.4	27.3	32.5	38.1	43.5	53.2	73.9	96.1	118.3	140.4	168.8
-72.5°	21.5	23.9	26.5	29.3	33.8	38.4	43.0	47.7	60.2	77.0	92.6
-75°	18.8	20.5	22.6	24.8	27.0	29.1	31.4	35.3	39.2	43.1	46.9
-77.5°	16.5	17.7	19.0	20.5	22.1	23.9	25.7	27.4	29.0	30.6	32.2
-80°	14.1	14.9	15.8	16.8	17.9	19.1	20.3	21.7	22.7	23.7	24.8
-82.5°	11.9	12.4	13.0	13.5	14.0	14.5	15.1	15.9	16.6	17.4	18.0
-85°	9.6	10.0	10.4	10.7	11.1	11.4	11.7	12.0	12.3	12.6	12.9
-87.5°	7.5	7.9	8.2	8.5	8.7	8.8	8.9	9.0	9.1	9.2	9.3
-90°	2.9	2.5	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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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	7.0	7.5	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	0.9
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	2.2	2.2	2.1	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	3.5	3.3	3.1	2.9	2.6	2.5	2.3	2.1	1.7	1.7	1.7
75°	4.8	4.9	5.0	4.7	4.3	3.9	3.6	3.4	3.1	3.1	3.2
72.5°	8.8	8.8	8.5	8.4	7.9	7.6	7.7	7.5	7.3	7.4	7.8
70°	17.0	17.5	17.1	16.0	14.2	12.9	12.2	11.2	10.0	9.9	10.4
67.5°	26.7	25.5	24.0	22.0	19.1	16.6	15.3	14.0	12.9	12.6	12.9
65°	34.1	28.9	25.4	22.5	20.1	17.8	16.1	14.5	13.0	12.0	11.9
62.5°	32.9	27.0	23.1	20.4	18.2	16.3	14.3	12.4	10.5	9.3	9.4
60°	30.9	24.4	19.3	16.8	14.8	13.4	11.7	10.2	9.0	8.3	8.4
57.5°	26.3	19.2	14.6	13.5	12.2	10.7	9.5	8.9	8.5	8.3	8.3
55°	20.3	16.2	13.5	12.1	10.6	9.2	8.4	8.6	8.5	8.3	8.7
52.5°	16.7	14.3	12.5	11.1	10.4	10.0	9.9	9.9	10.0	10.3	10.5
50°	14.9	13.3	12.4	11.5	11.4	11.5	11.5	12.0	12.4	12.6	12.5
47.5°	15.1	14.4	15.2	13.2	13.6	14.8	14.8	15.0	16.0	16.4	16.3
45°	19.0	22.9	23.0	21.2	20.1	24.5	24.8	22.4	34.5	33.7	25.6
42.5°	33.9	36.2	36.3	38.3	42.5	55.8	80.6	103.0	106.4	93.5	64.1
40°	54.7	52.9	57.1	68.5	101.4	131.6	154.4	222.6	222.0	173.7	175.0
37.5°	89.1	87.1	93.5	128.0	138.7	120.0	169.0	173.7	148.7	177.3	179.8
35°	153.4	173.9	151.5	188.2	190.0	169.9	182.4	203.5	173.5	207.7	222.5
32.5°	279.6	315.8	319.3	316.4	335.3	353.7	342.9	394.3	403.5	437.6	475.2
30°	454.3	524.0	577.2	567.0	598.2	653.1	671.1	749.6	827.9	876.4	995.3
27.5°	791.7	826.9	936.1	1012.9	995.0	1084.8	1262.7	1317.7	1542.2	1649.7	1804.5
25°	1253.6	1316.1	1471.6	1654.1	1732.2	1882.5	2171.5	2309.8	2604.6	2755.2	3322.7
22.5°	1825.9	2037.4	2232.7	2477.8	2829.5	3128.2	3449.5	3989.7	4867.2	6128.1	7633.3
20°	2479.4	2833.9	3129.1	3581.9	4164.9	4726.7	5558.0	7954.8	10500.4	15810.0	19417.4
17.5°	3097.6	3660.3	4072.7	4674.1	5535.2	6941.6	9805.2	15162.6	23582.4	33867.9	43686.1
15°	3580.0	4155.2	4919.6	5827.2	7142.7	9894.8	15125.4	25714.7	41767.7	57440.6	73931.2
12.5°	3987.7	4596.0	5433.8	6663.3	8630.8	13577.7	22982.2	38933.7	60095.5	83427.6	108080.2
10°	4250.0	4988.8	5992.2	7616.0	10885.4	17913.5	30139.8	51515.2	79960.2	110422.5	137823.2
7.5°	4296.2	5197.6	6468.6	8443.8	13122.4	22436.6	38653.2	63798.7	94951.9	129261.1	163770.2
5°	4314.6	5392.1	6871.3	9094.1	14659.2	25708.5	43557.5	71668.3	106259.6	141495.8	178635.6
2.5°	4363.8	5583.0	7166.8	9549.0	15545.8	27659.4	46391.6	77305.4	113799.1	152061.3	193470.1
0°	4466.3	5782.9	7230.7	9626.5	15731.5	27700.8	48026.5	80535.5	118716.3	157373.5	200565.2
-2.5°	4521.8	5757.3	7176.8	9468.5	15492.0	27705.2	46455.3	78288.2	116152.1	153869.2	197393.9
-5°	4426.5	5500.2	6844.7	8991.1	14444.0	25489.6	43334.2	72485.4	107433.7	141345.5	176345.3
-7.5°	4221.7	5138.5	6372.8	8313.5	12818.9	22055.3	37692.9	61629.9	91306.5	120787.9	148055.7
-10°	3983.3	4755.0	5767.4	7329.6	10522.3	17439.0	29492.6	48327.0	73817.6	99126.2	122137.7
-12.5°	3726.0	4327.0	5076.6	6157.1	8144.7	13167.5	22351.6	36787.2	54413.1	73505.5	94407.0
-15°	3506.2	3949.2	4517.3	5437.6	6953.7	9809.6	15003.6	24609.9	37249.0	52216.4	67624.1
-17.5°	3358.4	3687.8	4182.6	4884.5	5816.4	7512.8	11272.0	16967.4	25099.8	36301.9	46477.8
-20°	3252.3	3562.1	3954.7	4507.4	5287.9	6483.9	8323.4	12248.8	17600.2	24860.9	31768.1



REPORT NUMBER: P731578 (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°	3176.6	3455.4	3787.2	4232.0	4928.9	5863.6	7037.7	8942.9	12313.0	16594.7	21396.7
-25°	3102.1	3333.3	3699.3	4177.5	4656.6	5325.4	6136.9	7072.3	8867.7	10771.3	13718.9
-27.5°	3017.0	3303.0	3711.9	4158.6	4590.3	4922.2	5498.3	6143.4	7094.1	8014.5	9528.8
-30°	2954.9	3320.7	3727.6	4156.9	4489.5	4782.9	5105.0	5598.1	6213.2	6863.7	7559.8
-32.5°	2646.1	3266.3	3683.9	4068.8	4343.9	4616.5	4901.9	5244.0	5637.3	6049.3	6472.1
-35°	2232.2	2892.7	3540.5	3842.4	4121.1	4396.1	4693.7	4970.8	5248.3	5526.9	5792.4
-37.5°	1725.0	2372.2	2984.2	3511.5	3831.6	4111.5	4428.8	4713.3	4956.6	5166.0	5370.4
-40°	1506.9	1733.0	2325.0	2879.9	3345.8	3789.4	4088.4	4403.5	4674.8	4868.0	5041.5
-42.5°	1446.9	1574.3	1705.5	2131.1	2645.5	3101.4	3507.0	3901.1	4274.1	4542.7	4749.1
-45°	1394.8	1502.6	1615.0	1740.6	1865.9	2265.7	2687.4	3111.9	3551.0	3944.0	4262.2
-47.5°	1298.5	1429.0	1539.7	1643.5	1743.2	1857.0	1974.5	2143.6	2528.9	2922.1	3280.6
-50°	1179.5	1301.7	1425.1	1548.0	1640.3	1727.6	1816.9	1917.8	2030.1	2144.7	2241.3
-52.5°	1049.8	1162.2	1276.2	1384.5	1487.9	1588.4	1686.5	1775.4	1859.1	1939.8	1987.3
-55°	944.5	1034.5	1124.2	1217.1	1311.4	1403.3	1494.5	1586.5	1675.1	1759.6	1806.9
-57.5°	821.6	911.3	997.2	1068.0	1141.2	1215.9	1293.9	1373.2	1450.8	1523.2	1563.9
-60°	688.2	766.0	840.5	909.2	976.9	1043.2	1107.1	1170.0	1230.4	1282.9	1314.8
-62.5°	554.0	617.4	679.1	737.5	794.4	850.3	910.1	966.9	1020.3	1063.5	1090.0
-65°	439.6	487.9	530.8	572.9	614.4	662.2	713.1	761.3	806.6	841.8	865.1
-67.5°	311.3	352.9	392.2	429.7	464.2	498.2	534.5	569.9	603.9	630.3	649.1
-70°	196.2	222.4	248.3	276.0	306.2	336.1	366.0	393.5	418.6	437.5	451.8
-72.5°	106.9	119.5	132.7	152.4	171.2	191.2	211.8	231.2	249.3	262.0	271.4
-75°	50.7	56.4	66.6	75.7	83.7	92.6	101.5	109.7	117.1	121.1	123.3
-77.5°	34.8	37.6	40.1	42.4	44.4	47.0	49.9	52.7	55.6	57.4	58.8
-80°	25.9	27.0	28.2	29.3	30.4	31.7	32.8	33.9	34.9	35.8	36.6
-82.5°	18.7	19.3	19.8	20.4	20.9	21.7	22.5	23.3	24.0	24.7	25.3
-85°	13.1	13.5	13.8	14.1	14.3	14.7	15.2	15.7	16.2	16.4	16.4
-87.5°	9.4	9.9	10.3	10.8	11.3	11.3	11.4	11.4	11.5	11.5	11.5
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	0.9



REPORT NUMBER: P731578 (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°	8.3	8.3	9.2	10.0	9.2	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	0.4	0.0	0.8	1.7	0.8	0.0	0.4	0.9	1.3	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	2.5	3.3	2.5	1.7	1.7	1.7	1.7	1.7	2.1
75°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.4
72.5°	8.0	8.2	8.3	8.3	8.3	8.2	8.0	7.8	7.4	7.3	7.5
70°	10.9	11.4	11.6	11.6	11.6	11.4	10.9	10.4	9.9	10.0	11.2
67.5°	13.1	13.2	13.3	13.3	13.3	13.2	13.1	12.9	12.6	12.9	14.0
65°	11.8	11.7	10.9	10.0	10.9	11.7	11.8	11.9	12.0	13.0	14.5
62.5°	9.6	10.0	10.0	10.0	10.0	10.0	9.6	9.4	9.3	10.5	12.4
60°	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4	8.3	9.0	10.2
57.5°	8.3	8.3	9.0	10.0	9.0	8.3	8.3	8.3	8.3	8.5	8.9
55°	9.2	9.7	10.0	10.0	10.0	9.7	9.2	8.7	8.3	8.5	8.6
52.5°	10.5	10.2	10.0	10.0	10.0	10.2	10.5	10.5	10.3	10.0	9.9
50°	12.1	11.7	11.6	11.6	11.6	11.7	12.1	12.5	12.6	12.4	12.0
47.5°	15.9	15.2	14.8	14.9	14.8	15.2	15.9	16.3	16.4	16.0	15.0
45°	26.2	26.3	26.3	26.6	26.3	26.3	26.2	25.6	33.7	34.5	22.4
42.5°	61.6	53.3	46.0	46.5	46.0	53.3	61.6	64.1	93.5	106.4	103.0
40°	157.7	118.0	78.4	66.4	78.4	118.0	157.7	175.0	173.7	222.0	222.6
37.5°	162.4	165.7	194.9	262.3	194.9	165.7	162.4	179.8	177.3	148.7	173.7
35°	227.0	230.5	222.3	217.5	222.3	230.5	227.0	222.5	207.7	173.5	203.5
32.5°	482.7	504.1	501.4	488.1	501.4	504.1	482.7	475.2	437.6	403.5	394.3
30°	1039.7	1094.0	1088.2	1099.1	1088.2	1094.0	1039.7	995.3	876.4	827.9	749.6
27.5°	1865.9	1933.1	1945.3	1931.0	1945.3	1933.1	1865.9	1804.5	1649.7	1542.2	1317.7
25°	3703.8	3810.1	3771.3	3720.8	3771.3	3810.1	3703.8	3322.7	2755.2	2604.6	2309.8
22.5°	9393.0	9813.6	9770.4	9415.7	9770.4	9813.6	9393.0	7633.3	6128.1	4867.2	3989.7
20°	25806.5	28583.3	29791.8	28154.1	29791.8	28583.3	25806.5	19417.4	15810.0	10500.4	7954.8
17.5°	54623.0	63083.7	69099.4	71609.7	69099.4	63083.7	54623.0	43686.1	33867.9	23582.4	15162.6
15°	89349.2	102085.2	109492.1	108497.0	109492.1	102085.2	89349.2	73931.2	57440.6	41767.7	25714.7
12.5°	128479.8	143574.9	156084.9	156350.0	156084.9	143574.9	128479.8	108080.2	83427.6	60095.5	38933.7
10°	166329.0	187279.7	204354.2	207663.0	204354.2	187279.7	166329.0	137823.2	110422.5	79960.2	51515.2
7.5°	194724.4	226841.6	248275.0	256128.6	248275.0	226841.6	194724.4	163770.2	129261.1	94951.9	63798.7
5°	222786.0	256439.7	278279.0	282153.3	278279.0	256439.7	222786.0	178635.6	141495.8	106259.6	71668.3
2.5°	241713.0	275660.5	294771.8	308027.8	294771.8	275660.5	241713.0	193470.1	152061.3	113799.1	77305.4
0°	252799.7	280459.8	312083.1	326776.1	312083.1	280459.8	252799.7	200565.2	157373.5	118716.3	80535.5
-2.5°	244417.2	275534.2	293639.1	310335.6	293639.1	275534.2	244417.2	197393.9	153869.2	116152.1	78288.2
-5°	216655.3	250496.7	266491.5	268578.6	266491.5	250496.7	216655.3	176345.3	141345.5	107433.7	72485.4
-7.5°	177032.8	208541.9	223898.5	232376.0	223898.5	208541.9	177032.8	148055.7	120787.9	91306.5	61629.9
-10°	143309.8	161697.9	172035.9	172716.6	172035.9	161697.9	143309.8	122137.7	99126.2	73817.6	48327.0
-12.5°	110642.7	122976.8	129091.1	128867.5	129091.1	122976.8	110642.7	94407.0	73505.5	54413.1	36787.2
-15°	81191.6	90773.9	96289.1	98933.6	96289.1	90773.9	81191.6	67624.1	52216.4	37249.0	24609.9
-17.5°	57307.7	64920.0	70446.3	72678.9	70446.3	64920.0	57307.7	46477.8	36301.9	25099.8	16967.4
-20°	39068.5	44285.6	47871.0	49392.9	47871.0	44285.6	39068.5	31768.1	24860.9	17600.2	12248.8



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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°	25734.0	29231.4	31689.6	31557.7	31689.6	29231.4	25734.0	21396.7	16594.7	12313.0	8942.9
-25°	16405.0	18328.1	19590.8	19693.1	19590.8	18328.1	16405.0	13718.9	10771.3	8867.7	7072.3
-27.5°	10857.9	11703.3	12212.8	12301.3	12212.8	11703.3	10857.9	9528.8	8014.5	7094.1	6143.4
-30°	8218.0	8607.0	8898.2	8886.0	8898.2	8607.0	8218.0	7559.8	6863.7	6213.2	5598.1
-32.5°	6831.9	7023.3	7150.9	7253.9	7150.9	7023.3	6831.9	6472.1	6049.3	5637.3	5244.0
-35°	5974.6	6072.1	6143.2	6207.9	6143.2	6072.1	5974.6	5792.4	5526.9	5248.3	4970.8
-37.5°	5487.9	5555.3	5600.1	5615.2	5600.1	5555.3	5487.9	5370.4	5166.0	4956.6	4713.3
-40°	5107.9	5145.9	5168.5	5181.9	5168.5	5145.9	5107.9	5041.5	4868.0	4674.8	4403.5
-42.5°	4822.7	4874.8	4901.8	4901.3	4901.8	4874.8	4822.7	4749.1	4542.7	4274.1	3901.1
-45°	4444.7	4576.6	4656.5	4690.4	4656.5	4576.6	4444.7	4262.2	3944.0	3551.0	3111.9
-47.5°	3574.4	3824.7	4000.4	4092.7	4000.4	3824.7	3574.4	3280.6	2922.1	2528.9	2143.6
-50°	2328.2	2411.9	2447.1	2432.4	2447.1	2411.9	2328.2	2241.3	2144.7	2030.1	1917.8
-52.5°	2022.5	2052.5	2070.7	2078.7	2070.7	2052.5	2022.5	1987.3	1939.8	1859.1	1775.4
-55°	1846.7	1880.1	1901.6	1912.7	1901.6	1880.1	1846.7	1806.9	1759.6	1675.1	1586.5
-57.5°	1597.8	1624.7	1641.1	1648.7	1641.1	1624.7	1597.8	1563.9	1523.2	1450.8	1373.2
-60°	1342.0	1364.1	1378.6	1386.4	1378.6	1364.1	1342.0	1314.8	1282.9	1230.4	1170.0
-62.5°	1111.5	1127.8	1142.2	1152.3	1142.2	1127.8	1111.5	1090.0	1063.5	1020.3	966.9
-65°	884.0	898.5	908.9	914.8	908.9	898.5	884.0	865.1	841.8	806.6	761.3
-67.5°	664.4	676.3	686.0	692.4	686.0	676.3	664.4	649.1	630.3	603.9	569.9
-70°	463.3	472.0	480.5	486.5	480.5	472.0	463.3	451.8	437.5	418.6	393.5
-72.5°	279.0	284.4	287.0	287.2	287.0	284.4	279.0	271.4	262.0	249.3	231.2
-75°	124.5	124.8	127.4	129.5	127.4	124.8	124.5	123.3	121.1	117.1	109.7
-77.5°	60.0	60.9	62.1	63.1	62.1	60.9	60.0	58.8	57.4	55.6	52.7
-80°	37.4	38.0	38.2	38.2	38.2	38.0	37.4	36.6	35.8	34.9	33.9
-82.5°	25.9	26.5	26.6	26.6	26.6	26.5	25.9	25.3	24.7	24.0	23.3
-85°	16.5	16.6	16.6	16.6	16.6	16.6	16.5	16.4	16.4	16.2	15.7
-87.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5	11.5	11.5	11.4
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.3	8.3	8.3	7.9	7.5	7.0	6.6	6.6	6.6	6.6	6.6
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	2.0	1.9
80°	1.7	1.7	1.7	1.9	2.1	2.2	2.2	2.4	2.7	2.9	3.0
77.5°	2.3	2.5	2.6	2.9	3.1	3.3	3.5	3.8	4.0	4.1	4.1
75°	3.6	3.9	4.3	4.7	5.0	4.9	4.8	4.7	4.7	4.8	4.9
72.5°	7.7	7.6	7.9	8.4	8.5	8.8	8.8	8.3	7.3	6.0	5.0
70°	12.2	12.9	14.2	16.0	17.1	17.5	17.0	15.7	13.4	11.8	9.4
67.5°	15.3	16.6	19.1	22.0	24.0	25.5	26.7	27.1	25.8	23.2	16.7
65°	16.1	17.8	20.1	22.5	25.4	28.9	34.1	36.7	36.8	35.0	27.1
62.5°	14.3	16.3	18.2	20.4	23.1	27.0	32.9	38.2	43.3	44.7	36.3
60°	11.7	13.4	14.8	16.8	19.3	24.4	30.9	37.2	43.1	43.4	40.8
57.5°	9.5	10.7	12.2	13.5	14.6	19.2	26.3	34.9	42.1	40.8	39.2
55°	8.4	9.2	10.6	12.1	13.5	16.2	20.3	26.7	34.5	37.2	35.8
52.5°	9.9	10.0	10.4	11.1	12.5	14.3	16.7	21.3	25.2	28.8	31.1
50°	11.5	11.5	11.4	11.5	12.4	13.3	14.9	17.4	20.1	23.1	25.4
47.5°	14.8	14.8	13.6	13.2	15.2	14.4	15.1	16.1	18.8	19.6	22.0
45°	24.8	24.5	20.1	21.2	23.0	22.9	19.0	20.6	20.8	21.0	19.9
42.5°	80.6	55.8	42.5	38.3	36.3	36.2	33.9	31.5	29.3	26.0	26.1
40°	154.4	131.6	101.4	68.5	57.1	52.9	54.7	47.7	43.0	37.3	38.8
37.5°	169.0	120.0	138.7	128.0	93.5	87.1	89.1	76.4	59.6	69.6	67.9
35°	182.4	169.9	190.0	188.2	151.5	173.9	153.4	124.0	109.5	125.1	112.7
32.5°	342.9	353.7	335.3	316.4	319.3	315.8	279.6	209.8	211.8	210.7	185.4
30°	671.1	653.1	598.2	567.0	577.2	524.0	454.3	441.6	388.8	319.0	278.2
27.5°	1262.7	1084.8	995.0	1012.9	936.1	826.9	791.7	768.6	627.9	497.4	396.9
25°	2171.5	1882.5	1732.2	1654.1	1471.6	1316.1	1253.6	1167.9	986.8	727.9	552.3
22.5°	3449.5	3128.2	2829.5	2477.8	2232.7	2037.4	1825.9	1622.3	1407.8	1060.3	788.1
20°	5558.0	4726.7	4164.9	3581.9	3129.1	2833.9	2479.4	2131.2	1835.9	1479.5	1059.3
17.5°	9805.2	6941.6	5535.2	4674.1	4072.7	3660.3	3097.6	2584.5	2246.2	1926.1	1349.7
15°	15125.4	9894.8	7142.7	5827.2	4919.6	4155.2	3580.0	2989.3	2640.2	2334.6	1699.6
12.5°	22982.2	13577.7	8630.8	6663.3	5433.8	4596.0	3987.7	3412.2	2959.3	2545.4	1949.2
10°	30139.8	17913.5	10885.4	7616.0	5992.2	4988.8	4250.0	3574.6	3046.2	2656.9	2157.3
7.5°	38653.2	22436.6	13122.4	8443.8	6468.6	5197.6	4296.2	3596.8	3097.7	2736.1	2325.3
5°	43557.5	25708.5	14659.2	9094.1	6871.3	5392.1	4314.6	3557.4	3118.2	2787.5	2454.8
2.5°	46391.6	27659.4	15545.8	9549.0	7166.8	5583.0	4363.8	3563.2	3143.3	2821.6	2504.7
0°	48026.5	27700.8	15731.5	9626.5	7230.7	5782.9	4466.3	3622.8	3164.6	2842.5	2522.0
-2.5°	46455.3	27705.2	15492.0	9468.5	7176.8	5757.3	4521.8	3687.3	3215.5	2854.5	2515.2
-5°	43334.2	25489.6	14444.0	8991.1	6844.7	5500.2	4426.5	3662.5	3203.0	2837.1	2479.3
-7.5°	37692.9	22055.3	12818.9	8313.5	6372.8	5138.5	4221.7	3534.6	3083.1	2739.8	2366.4
-10°	29492.6	17439.0	10522.3	7329.6	5767.4	4755.0	3983.3	3371.9	2947.9	2631.7	2232.3
-12.5°	22351.6	13167.5	8144.7	6157.1	5076.6	4327.0	3726.0	3196.4	2799.4	2515.1	2081.1
-15°	15003.6	9809.6	6953.7	5437.6	4517.3	3949.2	3506.2	3085.9	2745.5	2426.2	1916.3
-17.5°	11272.0	7512.8	5816.4	4884.5	4182.6	3687.8	3358.4	3030.6	2716.4	2355.5	1763.5
-20°	8323.4	6483.9	5287.9	4507.4	3954.7	3562.1	3252.3	2981.8	2669.9	2182.4	1578.0



REPORT NUMBER: P731578 (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°	7037.7	5863.6	4928.9	4232.0	3787.2	3455.4	3176.6	2919.3	2602.8	1953.9	1372.9
-25°	6136.9	5325.4	4656.6	4177.5	3699.3	3333.3	3102.1	2835.3	2345.0	1697.0	1181.2
-27.5°	5498.3	4922.2	4590.3	4158.6	3711.9	3303.0	3017.0	2703.3	2052.1	1460.3	1161.8
-30°	5105.0	4782.9	4489.5	4156.9	3727.6	3320.7	2954.9	2360.6	1753.1	1259.1	1147.5
-32.5°	4901.9	4616.5	4343.9	4068.8	3683.9	3266.3	2646.1	1993.2	1417.0	1235.7	1122.4
-35°	4693.7	4396.1	4121.1	3842.4	3540.5	2892.7	2232.2	1601.3	1320.1	1201.5	1088.8
-37.5°	4428.8	4111.5	3831.6	3511.5	2984.2	2372.2	1725.0	1418.1	1279.7	1157.3	1035.8
-40°	4088.4	3789.4	3345.8	2879.9	2325.0	1733.0	1506.9	1369.3	1239.5	1098.6	971.2
-42.5°	3507.0	3101.4	2645.5	2131.1	1705.5	1574.3	1446.9	1323.5	1186.2	1037.2	904.1
-45°	2687.4	2265.7	1865.9	1740.6	1615.0	1502.6	1394.8	1256.7	1110.7	968.4	834.9
-47.5°	1974.5	1857.0	1743.2	1643.5	1539.7	1429.0	1298.5	1165.6	1023.6	891.2	778.4
-50°	1816.9	1727.6	1640.3	1548.0	1425.1	1301.7	1179.5	1057.0	932.7	822.4	716.1
-52.5°	1686.5	1588.4	1487.9	1384.5	1276.2	1162.2	1049.8	952.9	850.7	745.7	647.3
-55°	1494.5	1403.3	1311.4	1217.1	1124.2	1034.5	944.5	851.6	755.9	660.0	569.4
-57.5°	1293.9	1215.9	1141.2	1068.0	997.2	911.3	821.6	734.9	651.1	565.2	485.9
-60°	1107.1	1043.2	976.9	909.2	840.5	766.0	688.2	612.0	538.0	474.5	411.6
-62.5°	910.1	850.3	794.4	737.5	679.1	617.4	554.0	498.1	444.0	389.5	329.5
-65°	713.1	662.2	614.4	572.9	530.8	487.9	439.6	390.3	341.7	294.5	241.9
-67.5°	534.5	498.2	464.2	429.7	392.2	352.9	311.3	270.9	236.1	202.2	161.1
-70°	366.0	336.1	306.2	276.0	248.3	222.4	196.2	168.8	140.4	118.3	96.1
-72.5°	211.8	191.2	171.2	152.4	132.7	119.5	106.9	92.6	77.0	60.2	47.7
-75°	101.5	92.6	83.7	75.7	66.6	56.4	50.7	46.9	43.1	39.2	35.3
-77.5°	49.9	47.0	44.4	42.4	40.1	37.6	34.8	32.2	30.6	29.0	27.4
-80°	32.8	31.7	30.4	29.3	28.2	27.0	25.9	24.8	23.7	22.7	21.7
-82.5°	22.5	21.7	20.9	20.4	19.8	19.3	18.7	18.0	17.4	16.6	15.9
-85°	15.2	14.7	14.3	14.1	13.8	13.5	13.1	12.9	12.6	12.3	12.0
-87.5°	11.4	11.3	11.3	10.8	10.3	9.9	9.4	9.3	9.2	9.1	9.0
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





REPORT NUMBER: P731578 (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°	6.6	6.6	6.6	6.6	6.2	5.8	5.4	5.0	5.0	5.0	5.0
87.5°	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3	3.3	3.3
85°	1.8	1.9	2.0	1.9	2.2	2.5	2.9	3.3	3.3	3.3	3.3
82.5°	2.2	2.5	2.7	2.9	2.8	2.9	3.1	3.3	3.4	3.3	3.3
80°	3.0	3.0	3.1	3.3	3.3	3.3	3.2	3.3	3.6	3.6	3.6
77.5°	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.4	3.8	3.9	4.0
75°	4.4	3.9	3.5	3.4	3.4	3.3	3.3	3.4	3.8	4.3	4.4
72.5°	4.8	4.4	3.8	3.5	3.8	3.8	3.6	3.5	3.9	4.3	4.7
70°	7.1	5.4	4.7	4.3	4.2	4.3	4.3	4.0	3.9	4.3	4.7
67.5°	10.9	8.3	6.3	5.2	4.8	4.7	4.9	4.6	4.4	4.4	4.8
65°	19.5	13.0	8.1	6.5	5.4	4.9	5.0	5.0	4.7	4.6	4.8
62.5°	27.8	19.4	13.3	8.6	6.1	5.2	5.0	5.2	5.1	4.8	4.9
60°	36.2	27.1	18.9	13.3	8.4	5.4	5.2	5.4	5.3	5.0	5.0
57.5°	36.6	33.6	26.5	18.6	12.4	7.3	5.4	5.7	5.7	5.3	5.0
55°	34.8	33.1	31.7	25.3	17.0	10.7	6.7	6.1	6.1	5.7	5.1
52.5°	30.9	32.6	32.9	30.1	22.9	14.5	9.8	6.5	6.5	6.1	5.5
50°	26.8	31.2	33.7	32.4	27.9	19.9	12.6	8.8	7.1	6.6	6.0
47.5°	25.1	30.3	33.8	34.7	30.9	25.2	16.9	11.0	7.6	7.2	6.4
45°	25.4	29.6	34.2	35.9	34.3	28.9	21.6	13.0	9.4	7.7	6.9
42.5°	27.5	31.1	34.1	37.9	36.6	32.0	26.1	16.8	11.0	8.2	7.3
40°	37.2	34.7	35.5	39.6	39.2	35.0	29.0	20.7	12.4	9.0	7.8
37.5°	50.5	44.2	40.1	45.3	43.3	38.0	31.5	24.4	14.3	10.1	8.2
35°	86.1	59.3	58.9	59.2	51.4	41.6	34.0	27.5	17.6	11.1	8.6
32.5°	131.3	102.2	99.6	82.9	62.7	45.6	37.0	30.1	21.0	12.0	9.0
30°	218.8	196.6	155.7	113.5	80.3	56.3	41.3	32.9	24.4	12.8	9.5
27.5°	362.5	313.1	231.9	165.2	109.8	70.1	47.4	35.8	27.7	14.3	10.2
25°	511.1	448.0	344.8	231.7	143.9	97.9	54.3	38.9	30.4	17.0	10.8
22.5°	654.9	588.4	472.4	307.2	193.8	133.6	69.4	44.3	32.7	19.5	11.3
20°	795.1	732.1	602.9	375.9	252.5	177.4	95.5	50.2	35.1	21.9	11.8
17.5°	949.7	842.7	676.2	456.6	310.7	221.4	125.6	56.3	37.4	24.1	12.2
15°	1139.8	908.1	746.9	528.2	362.4	265.4	158.7	62.6	39.6	26.2	12.7
12.5°	1309.9	968.6	816.5	591.0	408.3	308.9	193.8	68.9	41.7	28.6	13.4
10°	1469.7	1024.3	883.7	645.2	448.8	351.3	229.6	76.0	45.1	31.3	14.1
7.5°	1615.5	1075.1	946.9	691.1	481.9	380.5	251.7	84.7	48.6	33.8	14.8
5°	1734.6	1115.6	991.0	722.3	498.2	394.6	267.7	93.0	52.0	36.1	15.4
2.5°	1790.5	1143.3	1018.1	745.7	512.0	405.6	279.6	100.9	55.2	38.1	16.0
0°	1819.7	1167.2	1036.0	762.1	523.0	413.4	287.2	107.9	58.1	39.8	16.6
-2.5°	1824.0	1172.5	1040.6	778.8	540.4	424.7	297.4	127.1	73.0	49.0	21.8
-5°	1801.1	1173.2	1037.3	788.2	554.4	432.9	304.1	145.1	87.3	57.6	26.8
-7.5°	1722.9	1155.5	1019.5	789.0	564.4	437.9	308.1	161.6	100.8	65.5	31.4
-10°	1612.7	1124.6	985.2	775.6	573.8	445.0	311.4	176.5	113.1	72.4	35.6
-12.5°	1477.9	1089.7	950.0	759.3	580.8	454.6	321.8	191.5	124.0	78.4	39.2
-15°	1319.4	1051.1	915.9	741.7	585.0	462.4	329.2	204.8	133.9	83.6	42.2
-17.5°	1145.2	1009.1	884.8	723.7	586.4	468.7	333.5	215.0	142.2	88.3	44.9
-20°	1106.6	984.2	857.4	706.8	585.5	473.7	334.8	221.7	148.7	91.4	47.3



REPORT NUMBER: P731578 (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°	1091.8	972.9	839.7	699.0	583.9	477.8	333.2	224.8	153.4	92.9	48.6
-25°	1076.4	959.3	819.8	688.1	583.7	472.2	332.2	223.8	155.9	92.6	48.9
-27.5°	1058.4	940.3	794.9	670.8	571.9	463.4	330.1	226.0	156.1	90.5	47.9
-30°	1038.0	908.1	769.6	649.2	555.8	439.8	322.6	225.6	153.3	88.4	45.8
-32.5°	1009.1	870.7	738.3	628.1	529.3	414.1	305.9	222.3	148.0	85.8	44.2
-35°	959.9	827.8	700.4	602.0	498.3	389.7	288.2	216.2	140.0	81.4	42.3
-37.5°	905.4	779.0	667.1	569.3	466.0	363.0	274.6	202.4	129.5	75.2	39.3
-40°	848.1	731.4	630.3	532.8	433.7	334.1	258.1	185.3	119.7	67.2	35.4
-42.5°	787.4	686.7	589.7	495.1	399.7	312.5	238.5	165.6	107.1	60.3	30.5
-45°	733.9	638.1	545.7	454.3	364.9	287.9	213.8	144.3	92.4	53.5	26.5
-47.5°	676.4	586.9	497.8	410.1	333.6	259.3	186.2	125.6	76.1	45.3	24.7
-50°	617.7	531.4	445.9	368.5	297.8	225.2	157.6	104.8	64.7	35.4	22.6
-52.5°	555.5	471.3	395.5	325.8	255.8	188.1	131.5	82.9	52.4	30.2	20.2
-55°	485.3	412.9	345.3	276.6	209.9	153.6	103.0	67.6	39.1	26.9	17.7
-57.5°	418.8	354.5	287.1	222.2	166.4	118.0	80.0	51.2	32.8	23.3	16.8
-60°	349.5	285.4	223.3	171.0	123.8	87.2	60.0	37.8	28.3	20.0	15.8
-62.5°	270.4	214.1	165.6	120.7	88.2	62.8	41.7	32.4	23.7	18.7	14.7
-65°	194.7	149.6	108.6	83.4	59.6	42.1	35.0	26.7	21.3	17.3	13.7
-67.5°	121.2	95.7	72.0	50.3	40.8	34.5	28.0	23.4	19.4	15.7	12.9
-70°	73.9	53.2	43.5	38.1	32.5	27.3	24.4	21.1	17.5	14.6	12.0
-72.5°	43.0	38.4	33.8	29.3	26.5	23.9	21.5	18.8	16.1	13.5	11.1
-75°	31.4	29.1	27.0	24.8	22.6	20.5	18.8	17.0	14.6	12.3	10.2
-77.5°	25.7	23.9	22.1	20.5	19.0	17.7	16.5	15.1	13.0	11.0	9.1
-80°	20.3	19.1	17.9	16.8	15.8	14.9	14.1	13.2	11.4	9.7	8.1
-82.5°	15.1	14.5	14.0	13.5	13.0	12.4	11.9	11.2	9.7	8.3	7.2
-85°	11.7	11.4	11.1	10.7	10.4	10.0	9.6	9.2	8.2	7.2	6.5
-87.5°	8.9	8.8	8.7	8.5	8.2	7.9	7.5	7.1	6.6	6.1	5.7
-90°	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3	3.3	3.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.0	5.0	5.0	5.0	5.0	4.1	3.3
87.5°	3.3	3.4	3.4	3.5	3.4	3.4	3.3
85°	3.3	3.5	3.6	3.6	3.6	3.4	3.3
82.5°	3.3	3.6	3.7	3.8	3.7	3.5	3.3
80°	3.4	3.7	3.9	4.0	3.9	3.6	3.3
77.5°	3.8	3.9	4.1	4.1	4.0	3.7	3.3
75°	4.3	4.1	4.2	4.3	4.2	3.7	3.3
72.5°	4.7	4.4	4.4	4.5	4.3	3.8	3.3
70°	5.0	4.7	4.5	4.7	4.5	3.9	3.3
67.5°	5.0	4.9	4.7	4.7	4.6	4.0	3.3
65°	5.0	5.0	4.8	4.8	4.7	4.0	3.3
62.5°	5.0	5.0	4.9	4.8	4.9	4.1	3.3
60°	5.0	5.0	5.0	4.9	5.0	4.1	3.3
57.5°	5.1	5.0	5.0	4.9	5.0	4.2	3.3
55°	5.2	5.0	5.0	4.9	5.0	4.3	3.3
52.5°	5.3	5.0	5.0	5.0	5.0	4.3	3.3
50°	5.5	5.2	5.0	5.0	5.0	4.4	3.3
47.5°	5.7	5.3	5.0	5.0	5.0	4.4	3.3
45°	6.0	5.5	5.0	5.0	5.0	4.5	3.3
42.5°	6.4	5.7	5.0	5.0	5.0	4.6	3.3
40°	6.8	5.9	5.1	5.0	5.0	4.6	3.3
37.5°	7.1	6.1	5.2	5.0	5.0	4.6	3.3
35°	7.5	6.4	5.4	5.0	5.0	4.7	3.3
32.5°	7.8	6.7	5.6	5.0	5.0	4.7	3.3
30°	8.2	6.9	5.7	5.0	5.0	4.8	3.3
27.5°	8.5	7.2	5.9	5.0	5.0	4.8	3.3
25°	8.8	7.4	6.0	5.0	5.0	4.8	3.3
22.5°	9.1	7.6	6.1	5.0	5.0	4.9	3.3
20°	9.3	7.8	6.2	5.0	5.0	4.9	3.3
17.5°	9.6	7.9	6.3	5.0	5.0	4.9	3.3
15°	9.9	8.0	6.4	5.0	5.0	4.9	3.3
12.5°	10.2	8.1	6.4	5.0	5.0	5.0	3.3
10°	10.5	8.2	6.5	5.0	5.0	5.0	3.3
7.5°	10.8	8.2	6.5	5.0	5.0	5.0	3.3
5°	11.1	8.3	6.6	5.0	5.0	5.0	3.3
2.5°	11.4	8.3	6.6	5.0	5.0	5.0	3.3
0°	11.6	8.3	6.6	5.0	5.0	5.0	3.3
-2.5°	13.6	9.0	6.9	5.2	5.1	5.0	3.3
-5°	15.5	9.7	7.2	5.4	5.1	5.0	3.3
-7.5°	17.3	10.4	7.4	5.6	5.2	5.0	3.3
-10°	18.9	11.0	7.7	5.8	5.3	5.0	3.3
-12.5°	20.3	11.5	7.9	6.0	5.3	5.0	3.3
-15°	21.4	12.0	8.1	6.2	5.4	4.9	3.3
-17.5°	22.3	12.4	8.4	6.4	5.4	4.9	3.3
-20°	23.1	12.7	8.5	6.5	5.5	4.9	3.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.9	12.8	8.7	6.7	5.5	4.9	3.3
-25°	24.1	13.0	8.9	6.8	5.6	4.9	3.3
-27.5°	23.7	13.1	9.0	6.9	5.6	4.9	3.3
-30°	22.7	13.0	9.1	7.0	5.6	4.8	3.3
-32.5°	21.1	12.8	9.2	7.0	5.6	4.8	3.3
-35°	20.3	12.4	9.2	7.1	5.6	4.8	3.3
-37.5°	19.8	12.1	9.2	7.1	5.6	4.8	3.3
-40°	19.0	12.1	9.2	7.0	5.5	4.7	3.3
-42.5°	18.1	12.0	9.1	7.0	5.5	4.7	3.3
-45°	16.9	11.8	9.0	6.9	5.5	4.7	3.3
-47.5°	15.4	11.6	8.9	6.8	5.4	4.7	3.3
-50°	14.8	11.3	8.7	6.7	5.3	4.6	3.3
-52.5°	14.3	10.9	8.5	6.6	5.3	4.6	3.3
-55°	13.7	10.6	8.3	6.5	5.2	4.6	3.3
-57.5°	13.0	10.2	8.1	6.3	5.1	4.5	3.3
-60°	12.3	9.9	7.8	6.2	5.0	4.5	3.3
-62.5°	11.7	9.5	7.6	6.0	5.0	4.5	3.3
-65°	11.1	9.0	7.2	5.8	5.0	4.5	3.3
-67.5°	10.5	8.6	6.9	5.6	5.0	4.4	3.3
-70°	9.8	8.1	6.6	5.4	5.0	4.4	3.3
-72.5°	9.1	7.5	6.2	5.3	5.0	4.4	3.3
-75°	8.3	7.0	5.8	5.3	5.0	4.3	3.3
-77.5°	7.5	6.4	5.7	5.2	5.0	4.3	3.3
-80°	6.7	6.0	5.5	5.2	5.0	4.3	3.3
-82.5°	6.2	5.8	5.4	5.2	5.0	4.3	3.3
-85°	5.8	5.5	5.3	5.1	5.0	4.2	3.3
-87.5°	5.4	5.3	5.1	5.1	5.0	4.2	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(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

