

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: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-1S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-80-1S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

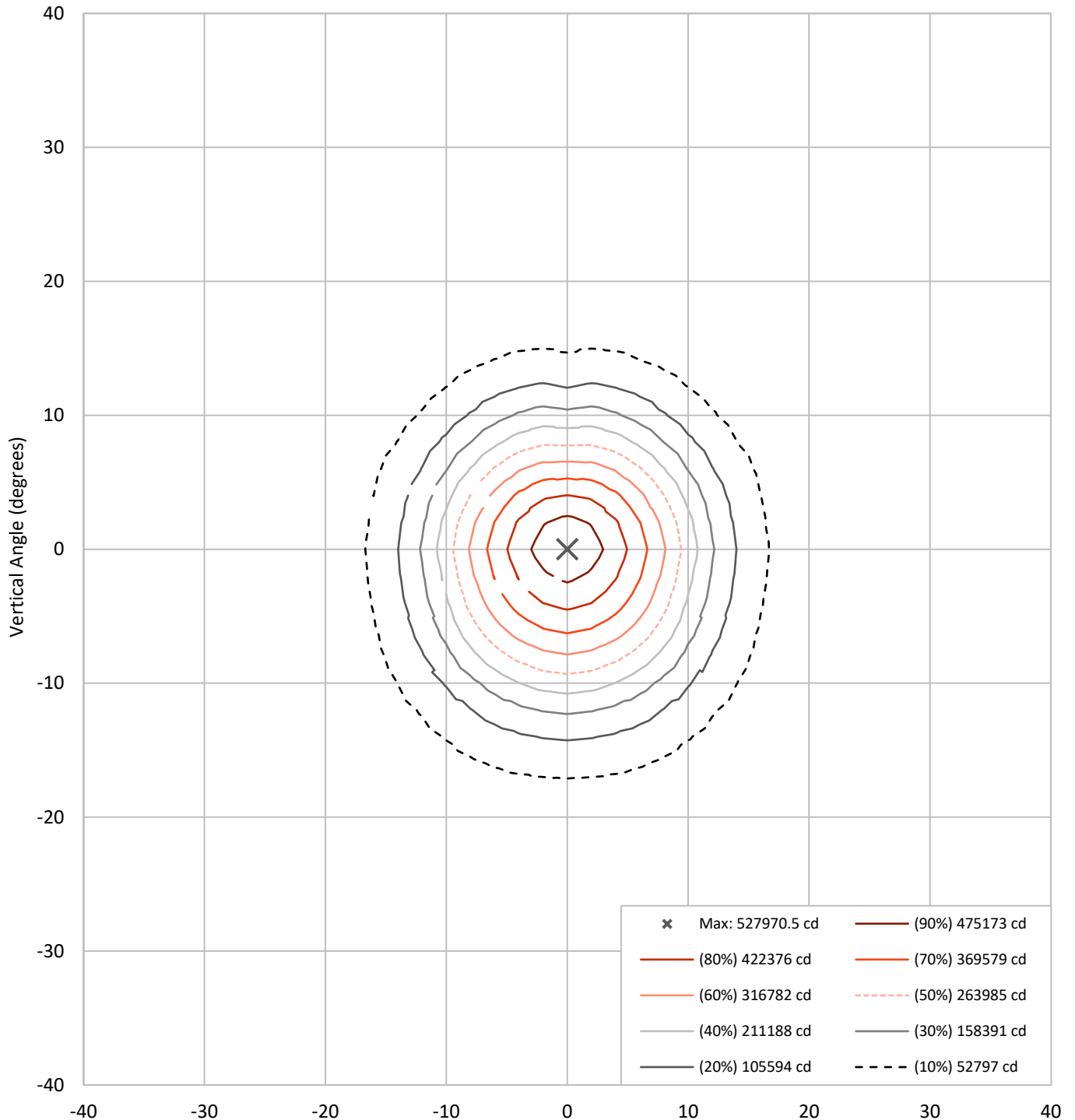
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60870.5 lumens	Max Intensity:	527970.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	105.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	28038.4 lumens	Field Lumens:	51538.7 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 577.1  
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: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

### Iso-Candela Plot





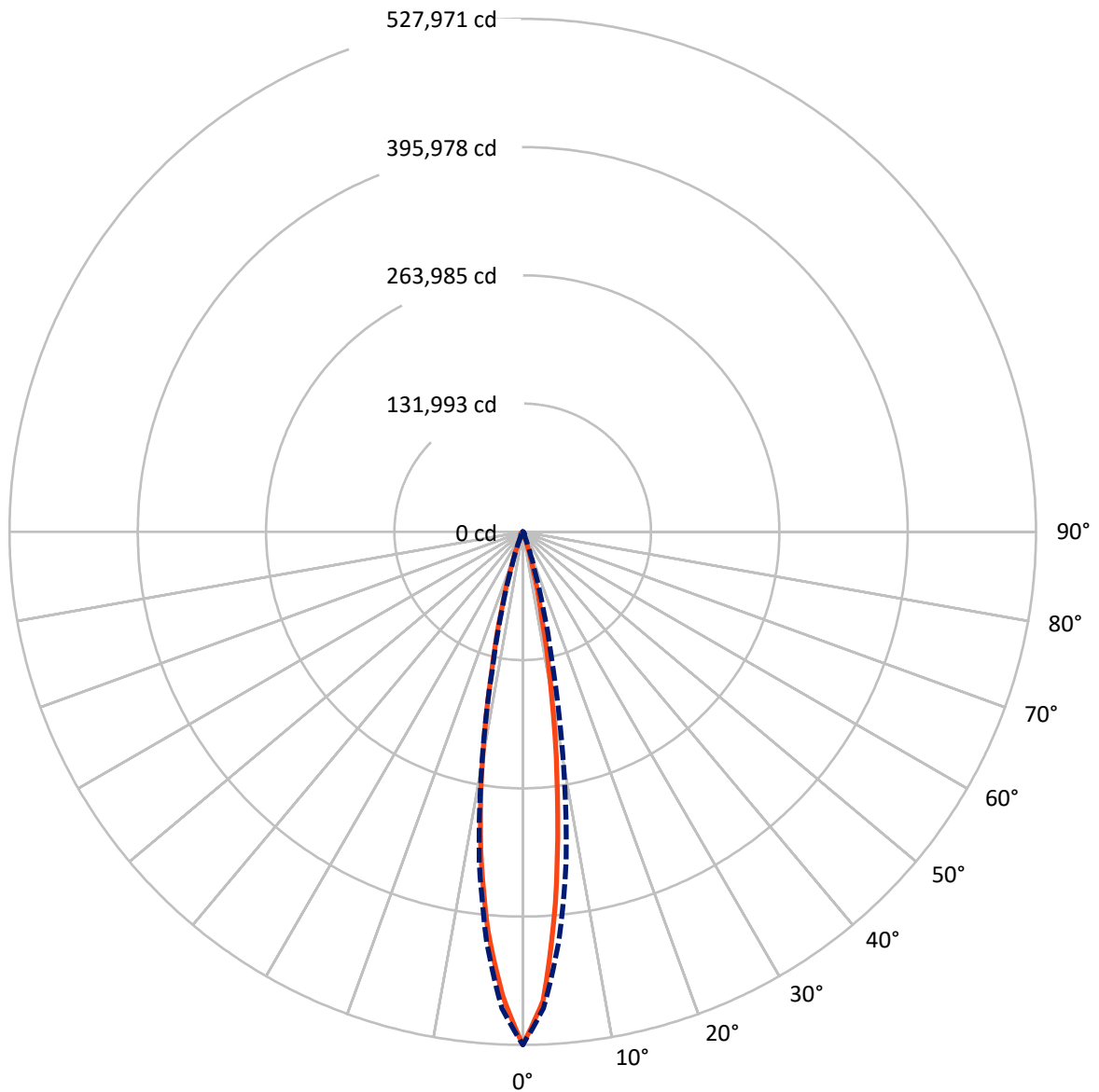
REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90	0.1		0.4		0.5		0.4		0.5		0.4		0.5		0.4		0.1	
80	0.1		0.4		0.5		0.4		0.5		0.4		0.5		0.4		0.1	
70	0.1	0.1	0.1	0.4	0.6	0.3	0.2	0.2	0.2	0.2	0.3	0.6	0.4	0.1	0.1	0.1	0.1	0.1
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1			
50	0.2	0.1	0.3	0.4	0.5	0.7	0.9	1.0	1.0	0.9	0.7	0.5	0.4	0.3	0.1	0.2	0.2	0.2
40		0.2	0.7	1.3	2.9	4.6	4.9	5.6	5.6	4.9	4.6	2.9	1.3	0.7	0.2			
30	0.2	0.3	2.1	7.4	19.6	23.9	31.6	58.9	58.9	31.6	23.9	19.6	7.4	2.1	0.3	0.2	0.2	0.2
20		0.7	4.7	19.2	41.9	58.9	401.9	1616.4	1616.4	401.9	58.9	41.9	19.2	4.7	0.7			
10	0.3	1.4	8.1	37.1	63.3	146.6	2100.2	9063.8	9063.8	2100.2	146.6	63.3	37.1	8.1	1.4	0.3	0.3	0.3
0		2.3	10.7	43.7	73.1	145.5	2278.5	9700.7	9700.7	2278.5	145.5	73.1	43.7	10.7	2.3			
-10	0.4	2.6	11.0	41.1	77.8	91.4	660.9	2502.6	2502.6	660.9	91.4	77.8	41.1	11.0	2.6	0.4	0.4	0.4
-20		2.5	9.6	22.7	59.4	73.6	89.8	166.0	166.0	89.8	73.6	59.4	22.7	9.6	2.5			
-30	0.4	2.1	7.2	13.3	33.0	62.7	75.0	77.7	77.7	75.0	62.7	33.0	13.3	7.2	2.1	0.4	0.4	0.4
-40		1.4	5.0	10.5	16.9	30.7	56.0	77.4	77.4	56.0	30.7	16.9	10.5	5.0	1.4			
-50	0.2	0.6	2.8	7.1	12.9	18.4	22.9	25.7	25.7	22.9	18.4	12.9	7.1	2.8	0.6	0.2	0.2	0.2
-60		0.3	1.0	3.3	6.9	11.2	15.7	18.6	18.6	15.7	11.2	6.9	3.3	1.0	0.3			
-70	0.2	0.6	2.8	7.1	12.9	18.4	22.9	25.7	25.7	22.9	18.4	12.9	7.1	2.8	0.6	0.2	0.2	0.2
-80		0.3	1.0	3.3	6.9	11.2	15.7	18.6	18.6	15.7	11.2	6.9	3.3	1.0	0.3			
-90	0.2		0.8		2.5		6.1		9.1		6.1		2.5		0.8		0.2	

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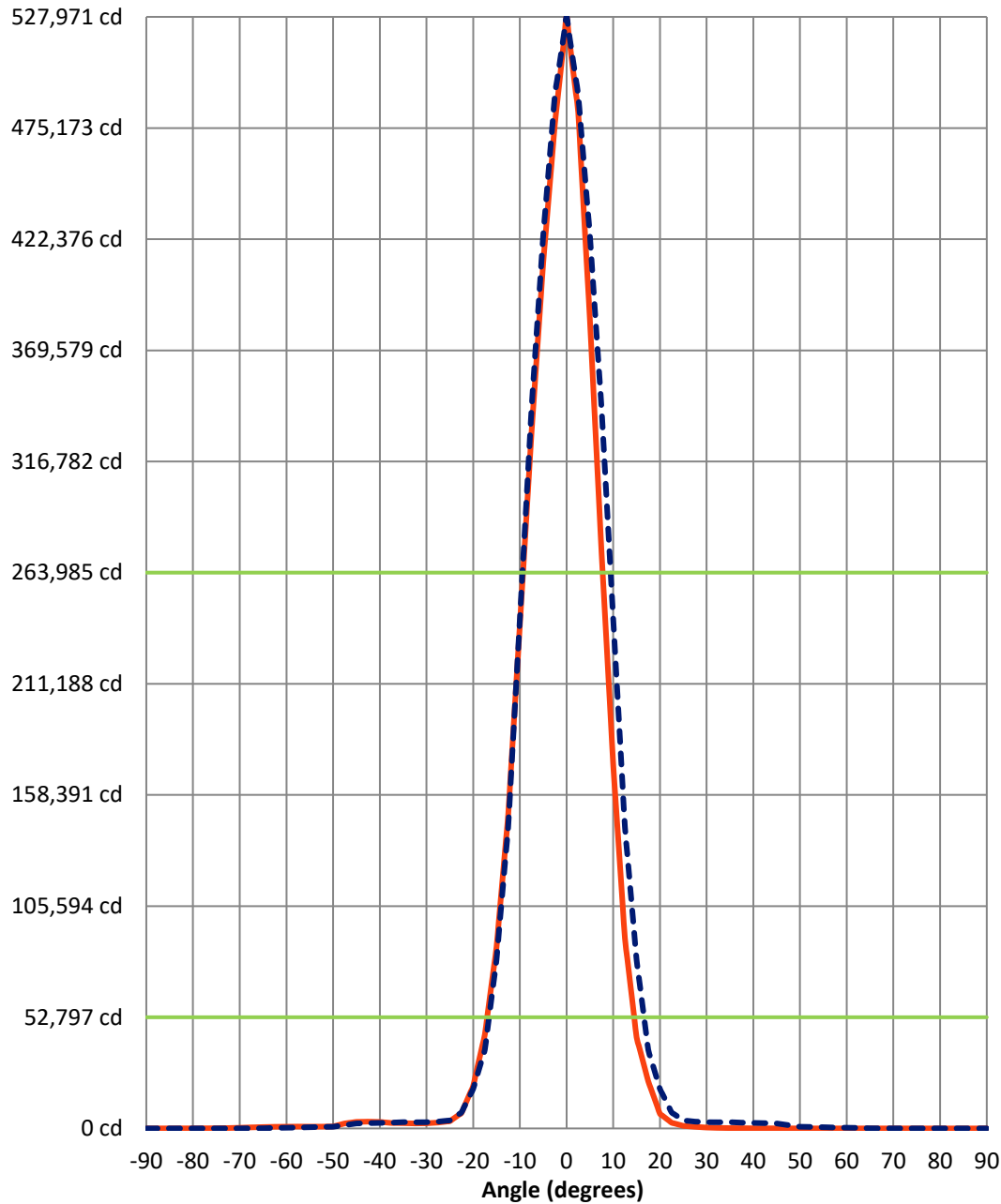
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 18.9°  
 V Angle: 17.1°  
 Lumens: 28038.4  
 Efficiency: 46.1%

**Field:**  
 H Angle: 33.2°  
 V Angle: 31.5°  
 Lumens: 51538.7  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 9331.8  
 Efficiency: 15.3%

— 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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.8	7.2	7.5	7.8
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	5.9	5.5	5.2
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	5.9	5.5	5.2
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	5.9	5.7	5.6
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.3	6.1	6.1	6.1
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.4	6.5
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.5	6.5	6.5
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6
67.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.7	6.7
65°	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.5	6.8	6.9	6.8
62.5°	6.5	6.5	6.5	6.5	6.5	6.6	6.7	6.7	7.1	7.1	6.8
60°	6.5	6.5	6.5	6.5	6.5	6.8	6.7	7.1	7.4	7.2	6.9
57.5°	6.5	6.5	6.5	6.5	6.6	6.9	7.0	7.4	7.5	7.2	7.0
55°	6.5	6.5	6.5	6.5	6.8	7.0	7.2	7.8	7.6	7.3	7.0
52.5°	6.5	6.5	6.5	6.5	6.9	7.2	7.5	7.8	7.7	7.4	7.1
50°	6.5	6.5	6.5	6.5	7.0	7.3	7.7	7.8	7.7	7.5	8.0
47.5°	6.5	6.5	6.5	6.5	7.2	7.4	7.8	7.8	7.8	7.5	8.8
45°	6.5	6.5	6.5	6.6	7.3	7.6	7.8	7.8	7.8	8.1	9.4
42.5°	6.5	6.5	6.5	6.8	7.5	7.7	7.8	7.8	7.9	8.5	10.3
40°	6.5	6.5	6.5	6.9	7.6	7.7	7.8	8.0	8.1	8.9	11.0
37.5°	6.5	6.5	6.5	7.0	7.7	7.8	7.8	8.1	8.5	9.4	11.6
35°	6.5	6.5	6.5	7.1	7.7	7.8	7.8	8.2	8.9	10.4	12.0
32.5°	6.5	6.5	6.5	7.2	7.8	7.8	7.8	8.4	9.2	11.5	13.4
30°	6.5	6.5	6.5	7.3	7.8	7.8	8.0	8.6	9.6	12.7	15.2
27.5°	6.5	6.5	6.5	7.4	7.8	7.8	8.1	8.9	10.2	14.1	17.1
25°	6.5	6.5	6.5	7.4	7.8	7.8	8.3	9.2	11.2	15.7	19.4
22.5°	6.5	6.5	6.5	7.5	7.8	7.8	8.4	9.4	12.3	17.4	22.7
20°	6.5	6.5	6.5	7.6	7.8	7.9	8.6	9.7	13.5	19.2	26.0
17.5°	6.5	6.5	6.5	7.6	7.8	8.0	8.8	9.9	14.6	21.1	29.1
15°	6.5	6.5	6.5	7.7	7.8	8.2	9.1	10.2	15.8	23.1	32.1
12.5°	6.5	6.5	6.5	7.7	7.8	8.3	9.3	10.7	17.0	25.0	34.9
10°	6.5	6.5	6.5	7.7	7.8	8.5	9.6	11.2	18.2	27.4	39.0
7.5°	6.5	6.5	6.5	7.8	7.8	8.6	9.8	11.7	19.4	29.8	46.3
5°	6.5	6.5	6.5	7.8	7.8	8.8	10.0	12.1	20.4	32.1	53.9
2.5°	6.5	6.5	6.5	7.8	7.8	9.0	10.2	12.6	21.3	34.3	61.5
0°	6.5	6.5	6.5	7.8	7.8	9.1	10.4	13.0	22.1	36.3	68.7
-2.5°	6.5	6.5	6.6	7.8	7.9	9.2	11.1	15.6	27.9	47.1	87.1
-5°	6.5	6.5	6.6	7.8	8.0	9.4	11.7	18.1	33.4	57.5	104.3
-7.5°	6.5	6.5	6.7	7.8	8.1	9.5	12.3	20.4	38.5	67.0	120.1
-10°	6.5	6.5	6.7	7.8	8.2	9.6	12.9	22.4	43.0	75.6	133.9
-12.5°	6.5	6.5	6.8	7.7	8.3	9.7	13.3	24.1	46.7	83.1	144.7
-15°	6.5	6.5	6.8	7.7	8.4	9.7	13.6	25.4	50.9	91.0	153.1
-17.5°	6.5	6.5	6.9	7.7	8.4	9.8	13.8	27.3	55.6	97.5	159.5
-20°	6.5	6.5	6.9	7.7	8.5	9.8	14.3	29.5	59.1	102.6	163.7



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.5	6.5	6.9	7.7	8.5	9.9	15.1	30.9	61.4	106.1	165.6
-25°	6.5	6.5	6.9	7.7	8.5	10.1	15.6	31.4	62.3	108.0	165.1
-27.5°	6.5	6.5	7.0	7.7	8.5	10.4	15.7	30.9	61.8	108.5	166.5
-30°	6.5	6.5	7.0	7.7	8.4	10.6	15.4	29.5	60.9	107.7	165.9
-32.5°	6.5	6.5	7.0	7.7	8.5	10.7	14.6	28.7	59.2	104.9	162.9
-35°	6.5	6.5	7.0	7.7	8.5	10.8	14.4	27.9	56.0	100.0	157.6
-37.5°	6.5	6.5	7.0	7.7	8.5	10.8	14.5	26.3	51.4	93.0	143.7
-40°	6.5	6.5	6.9	7.8	8.5	10.7	14.4	24.0	45.1	85.7	128.7
-42.5°	6.5	6.5	6.9	7.8	8.5	10.7	14.1	21.1	40.5	74.5	112.6
-45°	6.5	6.5	6.9	7.9	8.5	10.5	13.8	18.8	36.2	62.1	95.9
-47.5°	6.5	6.5	6.8	7.9	8.5	10.3	13.2	18.1	31.0	49.1	81.3
-50°	6.5	6.5	6.8	7.8	8.5	10.1	12.9	17.3	24.4	41.6	65.8
-52.5°	6.5	6.5	6.7	7.7	8.5	9.8	12.5	16.3	21.3	33.7	50.4
-55°	6.5	6.5	6.7	7.6	8.5	9.7	12.0	15.2	19.6	25.5	41.2
-57.5°	6.5	6.5	6.6	7.5	8.4	9.5	11.5	14.4	17.9	22.1	31.5
-60°	6.5	6.5	6.5	7.3	8.3	9.3	10.9	13.6	16.3	20.1	24.0
-62.5°	6.5	6.5	6.5	7.2	8.1	9.1	10.5	12.7	15.3	18.1	21.7
-65°	6.5	6.5	6.5	7.1	7.9	8.8	10.1	11.9	14.2	16.7	19.4
-67.5°	6.5	6.5	6.5	6.9	7.7	8.5	9.6	11.2	13.1	15.5	17.8
-70°	6.5	6.5	6.5	6.8	7.5	8.3	9.1	10.5	12.2	14.2	16.3
-72.5°	6.5	6.5	6.5	6.8	7.3	8.0	8.7	9.8	11.3	13.0	14.9
-75°	6.5	6.5	6.5	6.7	7.1	7.8	8.4	9.3	10.3	11.8	13.5
-77.5°	6.5	6.5	6.5	6.7	7.0	7.5	8.1	8.8	9.7	10.7	11.9
-80°	6.5	6.5	6.5	6.7	6.9	7.3	7.8	8.4	9.1	9.9	10.8
-82.5°	6.5	6.5	6.5	6.6	6.8	7.1	7.5	8.0	8.5	9.1	9.8
-85°	6.5	6.5	6.5	6.6	6.7	6.9	7.2	7.6	8.0	8.5	8.9
-87.5°	6.5	6.5	6.5	6.5	6.6	6.7	6.8	7.2	7.6	8.0	8.3
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	5.9	5.5	5.2





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	5.2	5.2	5.2	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9
85°	5.2	5.2	5.2	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9
82.5°	5.6	5.5	5.4	5.2	4.9	4.6	4.3	4.1	4.1	4.1	4.0
80°	6.1	5.9	5.6	5.3	5.0	4.9	4.9	5.0	4.9	4.6	4.3
77.5°	6.2	5.9	5.6	5.3	5.2	5.3	5.4	5.2	5.0	4.6	4.3
75°	6.3	6.0	5.8	5.8	5.9	5.8	5.7	5.3	5.1	5.0	5.0
72.5°	6.4	6.2	6.3	6.5	6.3	6.0	5.7	5.4	5.7	6.3	6.8
70°	6.4	6.5	6.5	6.5	6.4	6.2	6.5	7.3	8.4	9.8	12.0
67.5°	6.5	6.5	6.5	6.5	6.5	6.9	7.9	12.6	18.3	20.8	21.8
65°	6.5	6.5	6.5	6.5	6.5	10.1	15.4	22.0	28.9	30.2	29.4
62.5°	6.5	6.5	6.5	7.4	10.5	15.4	21.5	28.6	36.7	37.0	32.3
60°	6.6	6.5	7.8	10.7	14.3	19.0	26.1	31.8	37.8	40.5	31.0
57.5°	6.7	7.5	10.2	13.6	17.5	21.1	25.2	30.8	33.7	34.1	25.1
55°	7.2	9.2	12.4	16.3	19.3	19.1	22.2	24.7	25.6	24.3	17.4
52.5°	8.5	10.8	14.6	18.2	19.4	18.0	17.3	18.9	18.3	15.7	12.8
50°	9.7	12.7	16.6	19.6	19.4	16.6	14.0	14.8	14.1	12.3	10.4
47.5°	11.0	14.4	18.9	21.0	18.6	16.6	14.3	13.6	12.9	13.2	11.7
45°	12.2	16.0	21.1	20.6	19.1	18.3	16.5	14.2	16.5	16.9	16.4
42.5°	13.3	17.5	21.0	20.6	21.6	21.1	19.6	20.7	21.9	22.9	23.4
40°	14.2	18.5	21.3	24.4	24.8	24.7	26.9	28.7	28.8	30.7	32.2
37.5°	14.9	19.5	23.9	31.1	28.7	31.1	35.3	39.0	41.1	39.5	44.1
35°	15.2	21.2	32.4	39.9	37.8	39.7	46.4	53.7	60.9	56.8	64.9
32.5°	16.4	23.6	43.2	49.9	57.3	57.7	58.9	79.2	94.7	101.7	105.5
30°	19.3	33.5	55.2	61.6	84.6	89.4	88.7	113.8	142.5	210.7	263.0
27.5°	23.3	45.6	66.4	85.7	118.4	126.8	138.9	167.8	255.8	385.5	532.5
25°	27.2	61.3	78.6	118.3	154.7	172.0	192.7	236.5	414.3	705.2	811.7
22.5°	35.6	78.9	98.2	155.4	194.9	218.5	256.2	363.0	608.6	1055.7	1084.4
20°	49.1	95.3	127.0	190.5	238.6	264.6	319.5	494.3	824.6	1150.4	1277.1
17.5°	63.4	113.4	158.5	226.0	286.0	323.0	390.6	619.1	992.9	1272.9	1422.3
15°	78.1	132.9	187.6	265.2	337.8	396.2	531.0	787.7	1109.6	1417.6	1632.5
12.5°	92.7	153.3	214.2	307.0	393.4	469.3	700.8	1066.5	1364.4	1612.2	1896.0
10°	107.1	174.1	238.6	350.1	451.3	541.6	887.7	1366.7	1660.4	1878.9	2127.6
7.5°	142.0	206.1	265.6	393.3	510.2	612.4	1082.9	1677.6	1929.2	2107.3	2294.5
5°	181.3	248.9	317.7	457.6	574.2	680.0	1272.9	1986.6	2176.0	2305.2	2421.7
2.5°	220.2	290.0	368.6	521.5	638.1	742.3	1433.1	2187.8	2350.1	2473.0	2565.9
0°	256.8	329.5	417.7	581.1	697.8	800.3	1570.7	2358.1	2504.6	2627.8	2739.4
-2.5°	277.3	361.4	454.4	603.8	704.6	803.9	1463.5	2300.0	2518.7	2683.1	2849.6
-5°	293.3	390.8	488.4	623.0	709.4	804.2	1338.0	2199.8	2535.5	2739.9	2943.4
-7.5°	304.7	417.0	519.5	638.6	715.2	807.5	1331.2	2235.3	2636.8	2822.0	3021.5
-10°	309.7	426.8	525.8	641.8	722.2	811.0	1314.6	2218.8	2734.3	2907.4	3086.5
-12.5°	300.0	422.1	524.1	640.8	727.9	810.6	1247.3	2144.6	2831.7	3000.9	3118.5
-15°	288.8	415.2	517.8	635.3	732.8	806.5	1122.5	2009.1	2849.3	2957.9	3073.8
-17.5°	276.9	406.3	506.7	625.4	737.1	798.4	925.0	1666.9	2555.5	2816.2	3000.4
-20°	264.8	395.5	490.5	610.9	737.6	771.6	836.2	1337.8	2086.7	2612.3	2855.1



REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	253.2	382.9	472.1	591.2	688.8	731.4	778.5	1032.6	1597.3	2350.1	2598.5
-25°	247.9	363.6	455.1	550.0	638.8	689.2	716.4	785.9	1195.1	1855.0	2313.8
-27.5°	246.0	346.8	429.8	510.3	595.6	643.6	664.8	716.1	938.0	1377.8	1997.6
-30°	241.0	321.4	403.1	474.4	552.8	599.3	616.5	661.7	737.7	1056.4	1505.9
-32.5°	226.5	295.0	373.6	443.6	511.7	565.3	588.5	629.5	684.2	781.5	1104.0
-35°	208.5	272.6	342.9	411.7	474.3	532.8	573.5	603.2	640.3	689.5	847.8
-37.5°	192.5	249.1	311.9	378.5	438.8	498.9	556.6	583.7	612.8	650.3	716.7
-40°	175.1	224.6	284.0	344.7	403.7	462.2	518.3	567.1	590.2	629.0	674.5
-42.5°	156.3	203.7	256.3	310.9	367.3	422.5	477.9	529.9	579.9	610.5	647.0
-45°	137.3	181.4	228.5	279.5	329.8	381.6	433.4	486.9	548.7	602.2	628.9
-47.5°	117.2	158.0	202.3	247.5	294.0	340.7	388.0	445.6	507.3	565.2	621.3
-50°	97.1	134.7	175.4	217.8	259.3	301.3	344.3	404.4	464.1	520.5	574.1
-52.5°	79.1	110.2	148.7	189.0	227.0	264.3	308.5	363.3	420.3	476.0	526.9
-55°	60.4	88.6	120.7	158.5	196.5	230.4	273.1	323.2	374.7	428.2	478.3
-57.5°	46.5	67.2	94.8	126.0	162.3	199.9	241.1	282.8	329.7	378.3	422.6
-60°	35.3	49.6	70.0	96.3	124.7	162.0	206.8	248.0	287.5	326.2	367.7
-62.5°	25.3	36.7	50.3	67.8	92.3	121.2	159.0	201.5	247.2	280.8	313.5
-65°	22.8	26.1	35.5	48.0	61.0	84.8	113.2	145.1	183.6	217.7	252.7
-67.5°	20.2	23.3	26.4	31.3	42.7	55.5	68.8	94.2	122.1	145.8	170.5
-70°	18.4	20.5	23.3	26.1	29.0	34.7	46.0	57.7	69.3	82.5	102.5
-72.5°	16.6	18.3	20.4	22.7	25.3	28.1	31.3	34.6	41.4	50.0	58.2
-75°	14.8	16.0	17.6	19.3	21.4	23.6	26.1	28.7	31.1	33.2	35.4
-77.5°	12.9	13.9	14.9	16.1	17.3	19.0	20.8	22.7	24.5	26.1	27.7
-80°	11.2	11.7	12.4	13.2	14.2	15.2	16.2	17.2	18.2	19.3	20.6
-82.5°	9.9	10.1	10.3	10.6	11.3	12.0	12.8	13.6	14.1	14.7	15.3
-85°	8.7	8.5	8.4	8.4	9.0	9.5	10.1	10.7	10.9	11.2	11.4
-87.5°	8.3	8.1	8.0	7.8	8.0	8.2	8.5	8.7	8.8	8.8	8.8
-90°	5.2	5.2	5.2	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.8	8.1	8.5	8.8	9.1	9.7	10.4	11.0	11.7	16.5	21.4
87.5°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.3	1.3
85°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.3	1.3
82.5°	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.3	1.3
80°	4.0	3.6	3.3	3.0	2.6	2.5	2.5	2.4	2.4	2.2	1.9
77.5°	4.1	3.9	3.7	3.6	3.4	3.2	3.1	2.9	2.6	2.3	2.0
75°	5.1	5.1	4.9	4.6	4.1	3.7	3.3	3.0	2.7	2.6	2.5
72.5°	7.1	7.0	6.6	6.4	5.8	5.4	5.3	5.0	4.7	4.8	4.9
70°	13.3	13.6	13.0	11.7	10.0	8.8	8.3	7.5	6.5	6.4	6.8
67.5°	21.0	19.3	17.7	16.0	13.6	11.7	10.6	9.7	8.8	8.6	8.8
65°	26.4	20.9	18.0	15.8	14.1	12.6	11.3	10.1	8.8	8.1	8.0
62.5°	26.4	18.9	15.3	13.5	12.3	11.3	9.6	8.1	6.8	6.0	6.1
60°	22.7	15.6	11.5	10.0	8.8	7.8	7.0	6.2	5.6	5.2	5.3
57.5°	17.3	11.2	7.8	7.6	7.3	6.8	6.4	6.2	5.7	5.2	5.5
55°	12.1	9.3	7.9	8.0	8.1	8.0	7.5	6.9	6.4	6.0	6.3
52.5°	9.6	9.4	9.8	10.0	9.2	8.5	7.8	7.7	7.8	8.1	8.4
50°	10.2	10.6	10.8	10.2	9.8	9.4	9.0	9.4	10.0	10.5	10.9
47.5°	11.9	12.4	12.8	11.6	11.7	12.4	11.9	12.2	14.6	16.4	17.8
45°	15.6	17.5	17.8	18.0	17.9	19.6	20.6	21.6	26.5	28.4	28.3
42.5°	23.9	26.8	28.7	30.5	29.1	34.4	41.9	47.0	45.7	43.9	44.5
40°	36.1	41.4	48.9	52.9	57.5	63.4	65.5	56.8	55.4	62.5	63.1
37.5°	54.9	69.2	85.1	97.3	99.4	96.8	93.7	92.3	94.3	98.9	106.0
35°	90.3	124.0	138.7	146.3	151.1	136.8	131.4	136.6	132.1	145.2	149.7
32.5°	160.1	203.4	216.2	221.9	233.6	219.3	187.5	225.1	210.9	208.8	223.2
30°	253.8	314.4	366.5	370.3	361.9	359.7	377.9	382.8	365.8	365.7	422.7
27.5°	486.3	500.1	592.1	633.8	529.6	537.6	587.2	560.8	622.5	682.0	729.0
25°	770.1	781.5	942.4	917.8	807.5	838.9	868.0	862.2	933.6	1005.3	1086.7
22.5°	1030.9	1077.6	1209.8	1175.6	1126.4	1140.0	1166.7	1219.6	1315.7	1461.2	1840.4
20°	1239.0	1269.3	1333.5	1362.8	1365.6	1392.2	1477.3	1623.2	1922.6	2904.5	4089.8
17.5°	1439.5	1392.6	1469.8	1520.3	1575.0	1672.6	1870.5	2468.0	3911.5	6887.7	9804.2
15°	1730.9	1701.9	1656.5	1725.7	1877.4	2076.9	2539.4	4723.8	9627.8	15208.3	21010.2
12.5°	2048.3	2010.0	1947.3	2005.7	2236.0	2591.6	4765.2	10301.0	18140.1	28144.7	47632.5
10°	2301.3	2284.1	2245.1	2368.9	2669.5	3740.7	7590.8	16301.5	27957.8	51165.7	79535.1
7.5°	2456.1	2448.2	2481.5	2684.3	3093.9	5463.0	12409.1	24537.9	45020.9	77239.8	124863.9
5°	2625.3	2613.1	2666.8	2912.7	3397.2	6567.2	16172.7	31936.9	62441.0	107016.8	176177.4
2.5°	2806.8	2778.9	2834.1	3114.4	3634.7	6812.1	17017.5	34152.9	72781.9	129970.5	222631.8
0°	2989.7	2932.7	2962.5	3242.6	3812.1	7615.0	18768.4	37347.5	80092.1	143250.4	241801.6
-2.5°	3004.7	2907.8	2937.5	3196.5	3741.8	6556.5	16295.1	34403.9	76121.5	133286.6	221434.5
-5°	3029.9	2903.8	2895.4	3122.4	3641.5	5981.7	13824.6	31464.9	67254.1	117290.7	193675.1
-7.5°	3076.9	2927.8	2856.0	3023.9	3482.5	5200.0	11278.8	26193.5	54408.2	95663.2	151015.5
-10°	3154.0	2993.8	2876.5	2950.1	3281.8	4240.9	7462.6	19038.1	41184.5	72124.8	109644.1
-12.5°	3249.1	3175.1	2999.0	2897.0	3079.2	3598.9	5865.8	14224.0	28935.8	45630.3	73000.7
-15°	3293.2	3321.2	3194.0	2991.2	3003.2	3324.7	4102.5	7788.1	18163.6	30293.4	43795.5
-17.5°	3233.3	3365.6	3218.5	2985.8	2891.6	3082.1	3445.9	4797.1	8393.4	16184.5	24103.4
-20°	3058.2	3101.4	3071.3	2931.6	2832.7	2843.1	3023.2	3373.6	4075.2	6625.7	9428.6



REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2733.7	2761.6	2753.7	2857.0	2746.1	2696.2	2735.4	2871.3	3089.1	3420.0	4347.6
-25°	2457.2	2445.5	2509.3	2682.2	2709.6	2589.0	2557.5	2567.4	2691.2	2838.0	3041.3
-27.5°	2193.4	2273.3	2413.8	2589.2	2665.4	2584.4	2482.4	2415.9	2475.4	2521.7	2613.0
-30°	1972.7	2179.0	2326.3	2486.1	2600.8	2587.9	2488.7	2456.0	2427.9	2395.2	2418.3
-32.5°	1621.3	2065.2	2217.2	2347.8	2486.8	2543.1	2542.3	2528.5	2541.2	2514.5	2454.9
-35°	1260.0	1738.4	2133.1	2205.7	2295.6	2428.3	2530.1	2546.2	2561.5	2560.8	2546.5
-37.5°	904.0	1348.6	1748.6	2042.7	2148.3	2245.6	2435.3	2536.7	2569.7	2622.2	2641.5
-40°	741.3	874.6	1274.5	1634.3	1876.9	2171.5	2368.7	2552.1	2740.8	2851.1	2913.5
-42.5°	692.5	748.0	806.6	1083.3	1429.2	1752.7	2061.8	2411.0	2679.0	2887.2	3094.8
-45°	657.4	693.0	731.9	786.3	840.8	1114.8	1429.6	1745.7	2042.3	2341.3	2628.3
-47.5°	643.5	656.5	683.6	714.7	750.9	798.9	844.3	914.7	1159.5	1401.9	1662.0
-50°	621.1	653.8	665.5	676.8	706.1	734.1	755.9	785.7	815.3	833.8	858.4
-52.5°	573.9	616.0	652.1	685.1	704.1	720.4	734.8	759.2	782.1	802.0	815.7
-55°	525.2	568.7	610.2	650.8	688.8	725.2	756.8	774.4	792.0	809.9	817.2
-57.5°	468.0	513.8	558.7	600.9	642.3	682.8	718.7	751.0	782.1	810.8	828.8
-60°	408.0	447.1	492.4	539.3	582.6	622.4	662.1	699.6	734.2	763.6	782.2
-62.5°	349.6	386.8	424.1	466.4	513.3	558.6	594.4	630.8	667.4	699.5	722.7
-65°	286.3	317.4	347.3	379.1	412.7	449.0	486.8	524.1	560.4	591.0	613.9
-67.5°	199.8	229.8	257.3	284.6	309.8	335.3	362.5	390.1	417.6	441.8	462.3
-70°	121.8	140.0	156.0	173.4	194.2	215.6	237.1	256.8	274.8	289.6	301.6
-72.5°	66.0	72.9	80.7	93.5	105.4	118.1	131.3	143.4	154.5	164.8	174.0
-75°	37.6	40.8	46.3	51.2	55.7	61.1	67.0	72.6	78.0	83.3	88.2
-77.5°	29.3	30.9	32.4	33.8	35.2	37.2	39.4	41.7	44.0	47.9	52.1
-80°	21.9	22.9	23.9	24.9	25.9	27.2	28.5	29.8	30.9	32.6	34.3
-82.5°	15.9	16.4	16.9	17.3	17.7	18.5	19.5	20.4	21.3	23.1	24.9
-85°	11.6	11.8	12.0	12.1	12.3	12.7	13.2	13.6	14.0	15.7	17.4
-87.5°	8.9	8.9	9.0	9.1	9.1	9.4	9.8	10.1	10.4	12.1	13.8
-90°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7



REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	26.2	31.1	35.6	40.2	35.6	31.1	26.2	21.4	16.5	11.7	11.0
87.5°	1.3	1.3	0.6	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
80°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2	2.4	2.4
77.5°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	2.0	2.3	2.6	2.9
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.7	3.0
72.5°	5.0	5.1	5.2	5.2	5.2	5.1	5.0	4.9	4.8	4.7	5.0
70°	7.3	7.7	8.4	9.1	8.4	7.7	7.3	6.8	6.4	6.5	7.5
67.5°	9.0	9.1	7.9	6.5	7.9	9.1	9.0	8.8	8.6	8.8	9.7
65°	7.9	7.9	7.2	6.5	7.2	7.9	7.9	8.0	8.1	8.8	10.1
62.5°	6.2	6.5	6.5	6.5	6.5	6.5	6.2	6.1	6.0	6.8	8.1
60°	5.3	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.6	6.2
57.5°	5.9	6.3	6.5	6.5	6.5	6.3	5.9	5.5	5.2	5.7	6.2
55°	6.4	6.5	7.0	7.8	7.0	6.5	6.4	6.3	6.0	6.4	6.9
52.5°	8.7	8.9	9.1	9.1	9.1	8.9	8.7	8.4	8.1	7.8	7.7
50°	11.3	11.5	11.7	11.7	11.7	11.5	11.3	10.9	10.5	10.0	9.4
47.5°	18.7	19.1	19.8	20.8	19.8	19.1	18.7	17.8	16.4	14.6	12.2
45°	29.6	30.4	31.6	33.7	31.6	30.4	29.6	28.3	28.4	26.5	21.6
42.5°	46.8	48.2	49.5	51.9	49.5	48.2	46.8	44.5	43.9	45.7	47.0
40°	64.6	65.5	66.3	68.7	66.3	65.5	64.6	63.1	62.5	55.4	56.8
37.5°	109.2	104.6	99.7	110.3	99.7	104.6	109.2	106.0	98.9	94.3	92.3
35°	148.9	151.6	155.9	163.4	155.9	151.6	148.9	149.7	145.2	132.1	136.6
32.5°	225.8	238.1	243.7	251.6	243.7	238.1	225.8	223.2	208.8	210.9	225.1
30°	449.4	448.7	412.5	419.0	412.5	448.7	449.4	422.7	365.7	365.8	382.8
27.5°	744.0	753.0	749.0	767.9	749.0	753.0	744.0	729.0	682.0	622.5	560.8
25°	1158.2	1196.9	1189.4	1227.0	1189.4	1196.9	1158.2	1086.7	1005.3	933.6	862.2
22.5°	2306.4	2484.9	2482.1	2719.9	2482.1	2484.9	2306.4	1840.4	1461.2	1315.7	1219.6
20°	6160.1	7378.9	6876.6	6969.1	6876.6	7378.9	6160.1	4089.8	2904.5	1922.6	1623.2
17.5°	14205.6	18334.9	20128.2	22369.1	20128.2	18334.9	14205.6	9804.2	6887.7	3911.5	2468.0
15°	32428.6	43430.3	48933.5	43316.6	48933.5	43430.3	32428.6	21010.2	15208.3	9627.8	4723.8
12.5°	67896.0	87212.8	100565.3	90318.2	100565.3	87212.8	67896.0	47632.5	28144.7	18140.1	10301.0
10°	117296.3	152877.4	182283.4	172591.9	182283.4	152877.4	117296.3	79535.1	51165.7	27957.8	16301.5
7.5°	180323.4	237803.4	273679.3	273413.6	273679.3	237803.4	180323.4	124863.9	77239.8	45020.9	24537.9
5°	259430.5	332972.3	378653.2	384161.7	378653.2	332972.3	259430.5	176177.4	107016.8	62441.0	31936.9
2.5°	318003.7	397737.5	460112.1	482609.7	460112.1	397737.5	318003.7	222631.8	129970.5	72781.9	34152.9
0°	341918.4	424118.9	490794.1	527970.5	490794.1	424118.9	341918.4	241801.6	143250.4	80092.1	37347.5
-2.5°	323127.6	399048.3	454041.1	477073.9	454041.1	399048.3	323127.6	221434.5	133286.6	76121.5	34403.9
-5°	282133.9	353633.9	396055.9	411121.0	396055.9	353633.9	282133.9	193675.1	117290.7	67254.1	31464.9
-7.5°	220785.5	280637.7	317258.6	330485.4	317258.6	280637.7	220785.5	151015.5	95663.2	54408.2	26193.5
-10°	152894.6	197384.0	229177.9	239040.2	229177.9	197384.0	152894.6	109644.1	72124.8	41184.5	19038.1
-12.5°	98518.2	124914.1	142528.7	148944.5	142528.7	124914.1	98518.2	73000.7	45630.3	28935.8	14224.0
-15°	59934.0	74631.3	83162.1	86036.5	83162.1	74631.3	59934.0	43795.5	30293.4	18163.6	7788.1
-17.5°	33023.4	40116.6	42724.3	44559.2	42724.3	40116.6	33023.4	24103.4	16184.5	8393.4	4797.1
-20°	14794.5	17873.9	19385.0	20160.2	19385.0	17873.9	14794.5	9428.6	6625.7	4075.2	3373.6



REPORT NUMBER: P731571 (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°	5704.4	6603.6	7008.6	7341.4	7008.6	6603.6	5704.4	4347.6	3420.0	3089.1	2871.3
-25°	3218.2	3343.0	3399.8	3437.2	3399.8	3343.0	3218.2	3041.3	2838.0	2691.2	2567.4
-27.5°	2678.1	2750.1	2799.6	2791.3	2799.6	2750.1	2678.1	2613.0	2521.7	2475.4	2415.9
-30°	2420.1	2442.3	2460.9	2446.3	2460.9	2442.3	2420.1	2418.3	2395.2	2427.9	2456.0
-32.5°	2412.9	2390.2	2377.1	2373.6	2377.1	2390.2	2412.9	2454.9	2514.5	2541.2	2528.5
-35°	2530.3	2519.9	2513.4	2517.6	2513.4	2519.9	2530.3	2546.5	2560.8	2561.5	2546.2
-37.5°	2643.9	2628.7	2605.7	2587.6	2605.7	2628.7	2643.9	2641.5	2622.2	2569.7	2536.7
-40°	2925.6	2980.1	3049.1	3087.0	3049.1	2980.1	2925.6	2913.5	2851.1	2740.8	2552.1
-42.5°	3156.3	3196.1	3214.0	3212.8	3214.0	3196.1	3156.3	3094.8	2887.2	2679.0	2411.0
-45°	2845.9	3005.1	3091.1	3107.8	3091.1	3005.1	2845.9	2628.3	2341.3	2042.3	1745.7
-47.5°	1942.2	2200.7	2352.3	2372.3	2352.3	2200.7	1942.2	1662.0	1401.9	1159.5	914.7
-50°	892.0	926.7	939.3	930.0	939.3	926.7	892.0	858.4	833.8	815.3	785.7
-52.5°	828.8	842.1	849.0	850.9	849.0	842.1	828.8	815.7	802.0	782.1	759.2
-55°	824.1	831.4	836.3	840.5	836.3	831.4	824.1	817.2	809.9	792.0	774.4
-57.5°	845.6	861.2	868.6	871.6	868.6	861.2	845.6	828.8	810.8	782.1	751.0
-60°	798.9	814.1	819.7	821.0	819.7	814.1	798.9	782.2	763.6	734.2	699.6
-62.5°	744.6	764.7	772.2	774.3	772.2	764.7	744.6	722.7	699.5	667.4	630.8
-65°	633.9	650.9	652.1	647.2	652.1	650.9	633.9	613.9	591.0	560.4	524.1
-67.5°	480.7	496.8	497.6	492.9	497.6	496.8	480.7	462.3	441.8	417.6	390.1
-70°	311.2	318.6	320.1	319.1	320.1	318.6	311.2	301.6	289.6	274.8	256.8
-72.5°	182.1	189.1	187.7	184.2	187.7	189.1	182.1	174.0	164.8	154.5	143.4
-75°	92.5	96.3	97.7	98.6	97.7	96.3	92.5	88.2	83.3	78.0	72.6
-77.5°	56.3	60.4	61.5	62.3	61.5	60.4	56.3	52.1	47.9	44.0	41.7
-80°	35.9	37.4	37.6	37.6	37.6	37.4	35.9	34.3	32.6	30.9	29.8
-82.5°	26.7	28.4	29.1	29.8	29.1	28.4	26.7	24.9	23.1	21.3	20.4
-85°	19.1	20.8	21.4	22.1	21.4	20.8	19.1	17.4	15.7	14.0	13.6
-87.5°	15.4	17.0	17.6	18.2	17.6	17.0	15.4	13.8	12.1	10.4	10.1
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.4	9.7	9.1	8.8	8.5	8.1	7.8	7.8	7.8	7.8	7.8
87.5°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9
82.5°	2.0	2.3	2.6	3.0	3.3	3.6	3.9	4.0	4.1	4.1	4.1
80°	2.5	2.5	2.6	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.0
77.5°	3.1	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.6	5.0	5.2
75°	3.3	3.7	4.1	4.6	4.9	5.1	5.1	5.0	5.0	5.1	5.3
72.5°	5.3	5.4	5.8	6.4	6.6	7.0	7.1	6.8	6.3	5.7	5.4
70°	8.3	8.8	10.0	11.7	13.0	13.6	13.3	12.0	9.8	8.4	7.3
67.5°	10.6	11.7	13.6	16.0	17.7	19.3	21.0	21.8	20.8	18.3	12.6
65°	11.3	12.6	14.1	15.8	18.0	20.9	26.4	29.4	30.2	28.9	22.0
62.5°	9.6	11.3	12.3	13.5	15.3	18.9	26.4	32.3	37.0	36.7	28.6
60°	7.0	7.8	8.8	10.0	11.5	15.6	22.7	31.0	40.5	37.8	31.8
57.5°	6.4	6.8	7.3	7.6	7.8	11.2	17.3	25.1	34.1	33.7	30.8
55°	7.5	8.0	8.1	8.0	7.9	9.3	12.1	17.4	24.3	25.6	24.7
52.5°	7.8	8.5	9.2	10.0	9.8	9.4	9.6	12.8	15.7	18.3	18.9
50°	9.0	9.4	9.8	10.2	10.8	10.6	10.2	10.4	12.3	14.1	14.8
47.5°	11.9	12.4	11.7	11.6	12.8	12.4	11.9	11.7	13.2	12.9	13.6
45°	20.6	19.6	17.9	18.0	17.8	17.5	15.6	16.4	16.9	16.5	14.2
42.5°	41.9	34.4	29.1	30.5	28.7	26.8	23.9	23.4	22.9	21.9	20.7
40°	65.5	63.4	57.5	52.9	48.9	41.4	36.1	32.2	30.7	28.8	28.7
37.5°	93.7	96.8	99.4	97.3	85.1	69.2	54.9	44.1	39.5	41.1	39.0
35°	131.4	136.8	151.1	146.3	138.7	124.0	90.3	64.9	56.8	60.9	53.7
32.5°	187.5	219.3	233.6	221.9	216.2	203.4	160.1	105.5	101.7	94.7	79.2
30°	377.9	359.7	361.9	370.3	366.5	314.4	253.8	263.0	210.7	142.5	113.8
27.5°	587.2	537.6	529.6	633.8	592.1	500.1	486.3	532.5	385.5	255.8	167.8
25°	868.0	838.9	807.5	917.8	942.4	781.5	770.1	811.7	705.2	414.3	236.5
22.5°	1166.7	1140.0	1126.4	1175.6	1209.8	1077.6	1030.9	1084.4	1055.7	608.6	363.0
20°	1477.3	1392.2	1365.6	1362.8	1333.5	1269.3	1239.0	1277.1	1150.4	824.6	494.3
17.5°	1870.5	1672.6	1575.0	1520.3	1469.8	1392.6	1439.5	1422.3	1272.9	992.9	619.1
15°	2539.4	2076.9	1877.4	1725.7	1656.5	1701.9	1730.9	1632.5	1417.6	1109.6	787.7
12.5°	4765.2	2591.6	2236.0	2005.7	1947.3	2010.0	2048.3	1896.0	1612.2	1364.4	1066.5
10°	7590.8	3740.7	2669.5	2368.9	2245.1	2284.1	2301.3	2127.6	1878.9	1660.4	1366.7
7.5°	12409.1	5463.0	3093.9	2684.3	2481.5	2448.2	2456.1	2294.5	2107.3	1929.2	1677.6
5°	16172.7	6567.2	3397.2	2912.7	2666.8	2613.1	2625.3	2421.7	2305.2	2176.0	1986.6
2.5°	17017.5	6812.1	3634.7	3114.4	2834.1	2778.9	2806.8	2565.9	2473.0	2350.1	2187.8
0°	18768.4	7615.0	3812.1	3242.6	2962.5	2932.7	2989.7	2739.4	2627.8	2504.6	2358.1
-2.5°	16295.1	6556.5	3741.8	3196.5	2937.5	2907.8	3004.7	2849.6	2683.1	2518.7	2300.0
-5°	13824.6	5981.7	3641.5	3122.4	2895.4	2903.8	3029.9	2943.4	2739.9	2535.5	2199.8
-7.5°	11278.8	5200.0	3482.5	3023.9	2856.0	2927.8	3076.9	3021.5	2822.0	2636.8	2235.3
-10°	7462.6	4240.9	3281.8	2950.1	2876.5	2993.8	3154.0	3086.5	2907.4	2734.3	2218.8
-12.5°	5865.8	3598.9	3079.2	2897.0	2999.0	3175.1	3249.1	3118.5	3000.9	2831.7	2144.6
-15°	4102.5	3324.7	3003.2	2991.2	3194.0	3321.2	3293.2	3073.8	2957.9	2849.3	2009.1
-17.5°	3445.9	3082.1	2891.6	2985.8	3218.5	3365.6	3233.3	3000.4	2816.2	2555.5	1666.9
-20°	3023.2	2843.1	2832.7	2931.6	3071.3	3101.4	3058.2	2855.1	2612.3	2086.7	1337.8



REPORT NUMBER: P731571 (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°	2735.4	2696.2	2746.1	2857.0	2753.7	2761.6	2733.7	2598.5	2350.1	1597.3	1032.6
-25°	2557.5	2589.0	2709.6	2682.2	2509.3	2445.5	2457.2	2313.8	1855.0	1195.1	785.9
-27.5°	2482.4	2584.4	2665.4	2589.2	2413.8	2273.3	2193.4	1997.6	1377.8	938.0	716.1
-30°	2488.7	2587.9	2600.8	2486.1	2326.3	2179.0	1972.7	1505.9	1056.4	737.7	661.7
-32.5°	2542.3	2543.1	2486.8	2347.8	2217.2	2065.2	1621.3	1104.0	781.5	684.2	629.5
-35°	2530.1	2428.3	2295.6	2205.7	2133.1	1738.4	1260.0	847.8	689.5	640.3	603.2
-37.5°	2435.3	2245.6	2148.3	2042.7	1748.6	1348.6	904.0	716.7	650.3	612.8	583.7
-40°	2368.7	2171.5	1876.9	1634.3	1274.5	874.6	741.3	674.5	629.0	590.2	567.1
-42.5°	2061.8	1752.7	1429.2	1083.3	806.6	748.0	692.5	647.0	610.5	579.9	529.9
-45°	1429.6	1114.8	840.8	786.3	731.9	693.0	657.4	628.9	602.2	548.7	486.9
-47.5°	844.3	798.9	750.9	714.7	683.6	656.5	643.5	621.3	565.2	507.3	445.6
-50°	755.9	734.1	706.1	676.8	665.5	653.8	621.1	574.1	520.5	464.1	404.4
-52.5°	734.8	720.4	704.1	685.1	652.1	616.0	573.9	526.9	476.0	420.3	363.3
-55°	756.8	725.2	688.8	650.8	610.2	568.7	525.2	478.3	428.2	374.7	323.2
-57.5°	718.7	682.8	642.3	600.9	558.7	513.8	468.0	422.6	378.3	329.7	282.8
-60°	662.1	622.4	582.6	539.3	492.4	447.1	408.0	367.7	326.2	287.5	248.0
-62.5°	594.4	558.6	513.3	466.4	424.1	386.8	349.6	313.5	280.8	247.2	201.5
-65°	486.8	449.0	412.7	379.1	347.3	317.4	286.3	252.7	217.7	183.6	145.1
-67.5°	362.5	335.3	309.8	284.6	257.3	229.8	199.8	170.5	145.8	122.1	94.2
-70°	237.1	215.6	194.2	173.4	156.0	140.0	121.8	102.5	82.5	69.3	57.7
-72.5°	131.3	118.1	105.4	93.5	80.7	72.9	66.0	58.2	50.0	41.4	34.6
-75°	67.0	61.1	55.7	51.2	46.3	40.8	37.6	35.4	33.2	31.1	28.7
-77.5°	39.4	37.2	35.2	33.8	32.4	30.9	29.3	27.7	26.1	24.5	22.7
-80°	28.5	27.2	25.9	24.9	23.9	22.9	21.9	20.6	19.3	18.2	17.2
-82.5°	19.5	18.5	17.7	17.3	16.9	16.4	15.9	15.3	14.7	14.1	13.6
-85°	13.2	12.7	12.3	12.1	12.0	11.8	11.6	11.4	11.2	10.9	10.7
-87.5°	9.8	9.4	9.1	9.1	9.0	8.9	8.9	8.8	8.8	8.8	8.7
-90°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9





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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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.2	6.8
87.5°	4.2	4.6	4.9	5.2	5.2	5.2	5.2	5.2	5.5	5.9	6.2
85°	4.2	4.6	4.9	5.2	5.2	5.2	5.2	5.2	5.5	5.9	6.2
82.5°	4.3	4.6	4.9	5.2	5.4	5.5	5.6	5.6	5.7	5.9	6.2
80°	4.9	4.9	5.0	5.3	5.6	5.9	6.1	6.1	6.1	6.1	6.3
77.5°	5.4	5.3	5.2	5.3	5.6	5.9	6.2	6.5	6.4	6.3	6.4
75°	5.7	5.8	5.9	5.8	5.8	6.0	6.3	6.5	6.5	6.5	6.4
72.5°	5.7	6.0	6.3	6.5	6.3	6.2	6.4	6.5	6.5	6.5	6.5
70°	6.5	6.2	6.4	6.5	6.5	6.5	6.4	6.6	6.5	6.5	6.5
67.5°	7.9	6.9	6.5	6.5	6.5	6.5	6.5	6.7	6.7	6.5	6.5
65°	15.4	10.1	6.5	6.5	6.5	6.5	6.5	6.8	6.9	6.8	6.5
62.5°	21.5	15.4	10.5	7.4	6.5	6.5	6.5	6.8	7.1	7.1	6.7
60°	26.1	19.0	14.3	10.7	7.8	6.5	6.6	6.9	7.2	7.4	7.1
57.5°	25.2	21.1	17.5	13.6	10.2	7.5	6.7	7.0	7.2	7.5	7.4
55°	22.2	19.1	19.3	16.3	12.4	9.2	7.2	7.0	7.3	7.6	7.8
52.5°	17.3	18.0	19.4	18.2	14.6	10.8	8.5	7.1	7.4	7.7	7.8
50°	14.0	16.6	19.4	19.6	16.6	12.7	9.7	8.0	7.5	7.7	7.8
47.5°	14.3	16.6	18.6	21.0	18.9	14.4	11.0	8.8	7.5	7.8	7.8
45°	16.5	18.3	19.1	20.6	21.1	16.0	12.2	9.4	8.1	7.8	7.8
42.5°	19.6	21.1	21.6	20.6	21.0	17.5	13.3	10.3	8.5	7.9	7.8
40°	26.9	24.7	24.8	24.4	21.3	18.5	14.2	11.0	8.9	8.1	8.0
37.5°	35.3	31.1	28.7	31.1	23.9	19.5	14.9	11.6	9.4	8.5	8.1
35°	46.4	39.7	37.8	39.9	32.4	21.2	15.2	12.0	10.4	8.9	8.2
32.5°	58.9	57.7	57.3	49.9	43.2	23.6	16.4	13.4	11.5	9.2	8.4
30°	88.7	89.4	84.6	61.6	55.2	33.5	19.3	15.2	12.7	9.6	8.6
27.5°	138.9	126.8	118.4	85.7	66.4	45.6	23.3	17.1	14.1	10.2	8.9
25°	192.7	172.0	154.7	118.3	78.6	61.3	27.2	19.4	15.7	11.2	9.2
22.5°	256.2	218.5	194.9	155.4	98.2	78.9	35.6	22.7	17.4	12.3	9.4
20°	319.5	264.6	238.6	190.5	127.0	95.3	49.1	26.0	19.2	13.5	9.7
17.5°	390.6	323.0	286.0	226.0	158.5	113.4	63.4	29.1	21.1	14.6	9.9
15°	531.0	396.2	337.8	265.2	187.6	132.9	78.1	32.1	23.1	15.8	10.2
12.5°	700.8	469.3	393.4	307.0	214.2	153.3	92.7	34.9	25.0	17.0	10.7
10°	887.7	541.6	451.3	350.1	238.6	174.1	107.1	39.0	27.4	18.2	11.2
7.5°	1082.9	612.4	510.2	393.3	265.6	206.1	142.0	46.3	29.8	19.4	11.7
5°	1272.9	680.0	574.2	457.6	317.7	248.9	181.3	53.9	32.1	20.4	12.1
2.5°	1433.1	742.3	638.1	521.5	368.6	290.0	220.2	61.5	34.3	21.3	12.6
0°	1570.7	800.3	697.8	581.1	417.7	329.5	256.8	68.7	36.3	22.1	13.0
-2.5°	1463.5	803.9	704.6	603.8	454.4	361.4	277.3	87.1	47.1	27.9	15.6
-5°	1338.0	804.2	709.4	623.0	488.4	390.8	293.3	104.3	57.5	33.4	18.1
-7.5°	1331.2	807.5	715.2	638.6	519.5	417.0	304.7	120.1	67.0	38.5	20.4
-10°	1314.6	811.0	722.2	641.8	525.8	426.8	309.7	133.9	75.6	43.0	22.4
-12.5°	1247.3	810.6	727.9	640.8	524.1	422.1	300.0	144.7	83.1	46.7	24.1
-15°	1122.5	806.5	732.8	635.3	517.8	415.2	288.8	153.1	91.0	50.9	25.4
-17.5°	925.0	798.4	737.1	625.4	506.7	406.3	276.9	159.5	97.5	55.6	27.3
-20°	836.2	771.6	737.6	610.9	490.5	395.5	264.8	163.7	102.6	59.1	29.5



REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	778.5	731.4	688.8	591.2	472.1	382.9	253.2	165.6	106.1	61.4	30.9
-25°	716.4	689.2	638.8	550.0	455.1	363.6	247.9	165.1	108.0	62.3	31.4
-27.5°	664.8	643.6	595.6	510.3	429.8	346.8	246.0	166.5	108.5	61.8	30.9
-30°	616.5	599.3	552.8	474.4	403.1	321.4	241.0	165.9	107.7	60.9	29.5
-32.5°	588.5	565.3	511.7	443.6	373.6	295.0	226.5	162.9	104.9	59.2	28.7
-35°	573.5	532.8	474.3	411.7	342.9	272.6	208.5	157.6	100.0	56.0	27.9
-37.5°	556.6	498.9	438.8	378.5	311.9	249.1	192.5	143.7	93.0	51.4	26.3
-40°	518.3	462.2	403.7	344.7	284.0	224.6	175.1	128.7	85.7	45.1	24.0
-42.5°	477.9	422.5	367.3	310.9	256.3	203.7	156.3	112.6	74.5	40.5	21.1
-45°	433.4	381.6	329.8	279.5	228.5	181.4	137.3	95.9	62.1	36.2	18.8
-47.5°	388.0	340.7	294.0	247.5	202.3	158.0	117.2	81.3	49.1	31.0	18.1
-50°	344.3	301.3	259.3	217.8	175.4	134.7	97.1	65.8	41.6	24.4	17.3
-52.5°	308.5	264.3	227.0	189.0	148.7	110.2	79.1	50.4	33.7	21.3	16.3
-55°	273.1	230.4	196.5	158.5	120.7	88.6	60.4	41.2	25.5	19.6	15.2
-57.5°	241.1	199.9	162.3	126.0	94.8	67.2	46.5	31.5	22.1	17.9	14.4
-60°	206.8	162.0	124.7	96.3	70.0	49.6	35.3	24.0	20.1	16.3	13.6
-62.5°	159.0	121.2	92.3	67.8	50.3	36.7	25.3	21.7	18.1	15.3	12.7
-65°	113.2	84.8	61.0	48.0	35.5	26.1	22.8	19.4	16.7	14.2	11.9
-67.5°	68.8	55.5	42.7	31.3	26.4	23.3	20.2	17.8	15.5	13.1	11.2
-70°	46.0	34.7	29.0	26.1	23.3	20.5	18.4	16.3	14.2	12.2	10.5
-72.5°	31.3	28.1	25.3	22.7	20.4	18.3	16.6	14.9	13.0	11.3	9.8
-75°	26.1	23.6	21.4	19.3	17.6	16.0	14.8	13.5	11.8	10.3	9.3
-77.5°	20.8	19.0	17.3	16.1	14.9	13.9	12.9	11.9	10.7	9.7	8.8
-80°	16.2	15.2	14.2	13.2	12.4	11.7	11.2	10.8	9.9	9.1	8.4
-82.5°	12.8	12.0	11.3	10.6	10.3	10.1	9.9	9.8	9.1	8.5	8.0
-85°	10.1	9.5	9.0	8.4	8.4	8.5	8.7	8.9	8.5	8.0	7.6
-87.5°	8.5	8.2	8.0	7.8	8.0	8.1	8.3	8.3	8.0	7.6	7.2
-90°	4.2	4.6	4.9	5.2	5.2	5.2	5.2	5.2	5.5	5.9	6.2



REPORT NUMBER: P731571 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	6.6	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	6.7	6.6	6.5	6.5	6.5	6.5	6.5
60°	6.7	6.8	6.5	6.5	6.5	6.5	6.5
57.5°	7.0	6.9	6.6	6.5	6.5	6.5	6.5
55°	7.2	7.0	6.8	6.5	6.5	6.5	6.5
52.5°	7.5	7.2	6.9	6.5	6.5	6.5	6.5
50°	7.7	7.3	7.0	6.5	6.5	6.5	6.5
47.5°	7.8	7.4	7.2	6.5	6.5	6.5	6.5
45°	7.8	7.6	7.3	6.6	6.5	6.5	6.5
42.5°	7.8	7.7	7.5	6.8	6.5	6.5	6.5
40°	7.8	7.7	7.6	6.9	6.5	6.5	6.5
37.5°	7.8	7.8	7.7	7.0	6.5	6.5	6.5
35°	7.8	7.8	7.7	7.1	6.5	6.5	6.5
32.5°	7.8	7.8	7.8	7.2	6.5	6.5	6.5
30°	8.0	7.8	7.8	7.3	6.5	6.5	6.5
27.5°	8.1	7.8	7.8	7.4	6.5	6.5	6.5
25°	8.3	7.8	7.8	7.4	6.5	6.5	6.5
22.5°	8.4	7.8	7.8	7.5	6.5	6.5	6.5
20°	8.6	7.9	7.8	7.6	6.5	6.5	6.5
17.5°	8.8	8.0	7.8	7.6	6.5	6.5	6.5
15°	9.1	8.2	7.8	7.7	6.5	6.5	6.5
12.5°	9.3	8.3	7.8	7.7	6.5	6.5	6.5
10°	9.6	8.5	7.8	7.7	6.5	6.5	6.5
7.5°	9.8	8.6	7.8	7.8	6.5	6.5	6.5
5°	10.0	8.8	7.8	7.8	6.5	6.5	6.5
2.5°	10.2	9.0	7.8	7.8	6.5	6.5	6.5
0°	10.4	9.1	7.8	7.8	6.5	6.5	6.5
-2.5°	11.1	9.2	7.9	7.8	6.6	6.5	6.5
-5°	11.7	9.4	8.0	7.8	6.6	6.5	6.5
-7.5°	12.3	9.5	8.1	7.8	6.7	6.5	6.5
-10°	12.9	9.6	8.2	7.8	6.7	6.5	6.5
-12.5°	13.3	9.7	8.3	7.7	6.8	6.5	6.5
-15°	13.6	9.7	8.4	7.7	6.8	6.5	6.5
-17.5°	13.8	9.8	8.4	7.7	6.9	6.5	6.5
-20°	14.3	9.8	8.5	7.7	6.9	6.5	6.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.1	9.9	8.5	7.7	6.9	6.5	6.5
-25°	15.6	10.1	8.5	7.7	6.9	6.5	6.5
-27.5°	15.7	10.4	8.5	7.7	7.0	6.5	6.5
-30°	15.4	10.6	8.4	7.7	7.0	6.5	6.5
-32.5°	14.6	10.7	8.5	7.7	7.0	6.5	6.5
-35°	14.4	10.8	8.5	7.7	7.0	6.5	6.5
-37.5°	14.5	10.8	8.5	7.7	7.0	6.5	6.5
-40°	14.4	10.7	8.5	7.8	6.9	6.5	6.5
-42.5°	14.1	10.7	8.5	7.8	6.9	6.5	6.5
-45°	13.8	10.5	8.5	7.9	6.9	6.5	6.5
-47.5°	13.2	10.3	8.5	7.9	6.8	6.5	6.5
-50°	12.9	10.1	8.5	7.8	6.8	6.5	6.5
-52.5°	12.5	9.8	8.5	7.7	6.7	6.5	6.5
-55°	12.0	9.7	8.5	7.6	6.7	6.5	6.5
-57.5°	11.5	9.5	8.4	7.5	6.6	6.5	6.5
-60°	10.9	9.3	8.3	7.3	6.5	6.5	6.5
-62.5°	10.5	9.1	8.1	7.2	6.5	6.5	6.5
-65°	10.1	8.8	7.9	7.1	6.5	6.5	6.5
-67.5°	9.6	8.5	7.7	6.9	6.5	6.5	6.5
-70°	9.1	8.3	7.5	6.8	6.5	6.5	6.5
-72.5°	8.7	8.0	7.3	6.8	6.5	6.5	6.5
-75°	8.4	7.8	7.1	6.7	6.5	6.5	6.5
-77.5°	8.1	7.5	7.0	6.7	6.5	6.5	6.5
-80°	7.8	7.3	6.9	6.7	6.5	6.5	6.5
-82.5°	7.5	7.1	6.8	6.6	6.5	6.5	6.5
-85°	7.2	6.9	6.7	6.6	6.5	6.5	6.5
-87.5°	6.8	6.7	6.6	6.5	6.5	6.5	6.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5

(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

