

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: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-50-80-3S-CV2-A**

Issue Date: 2/3/2026

**Test Information**

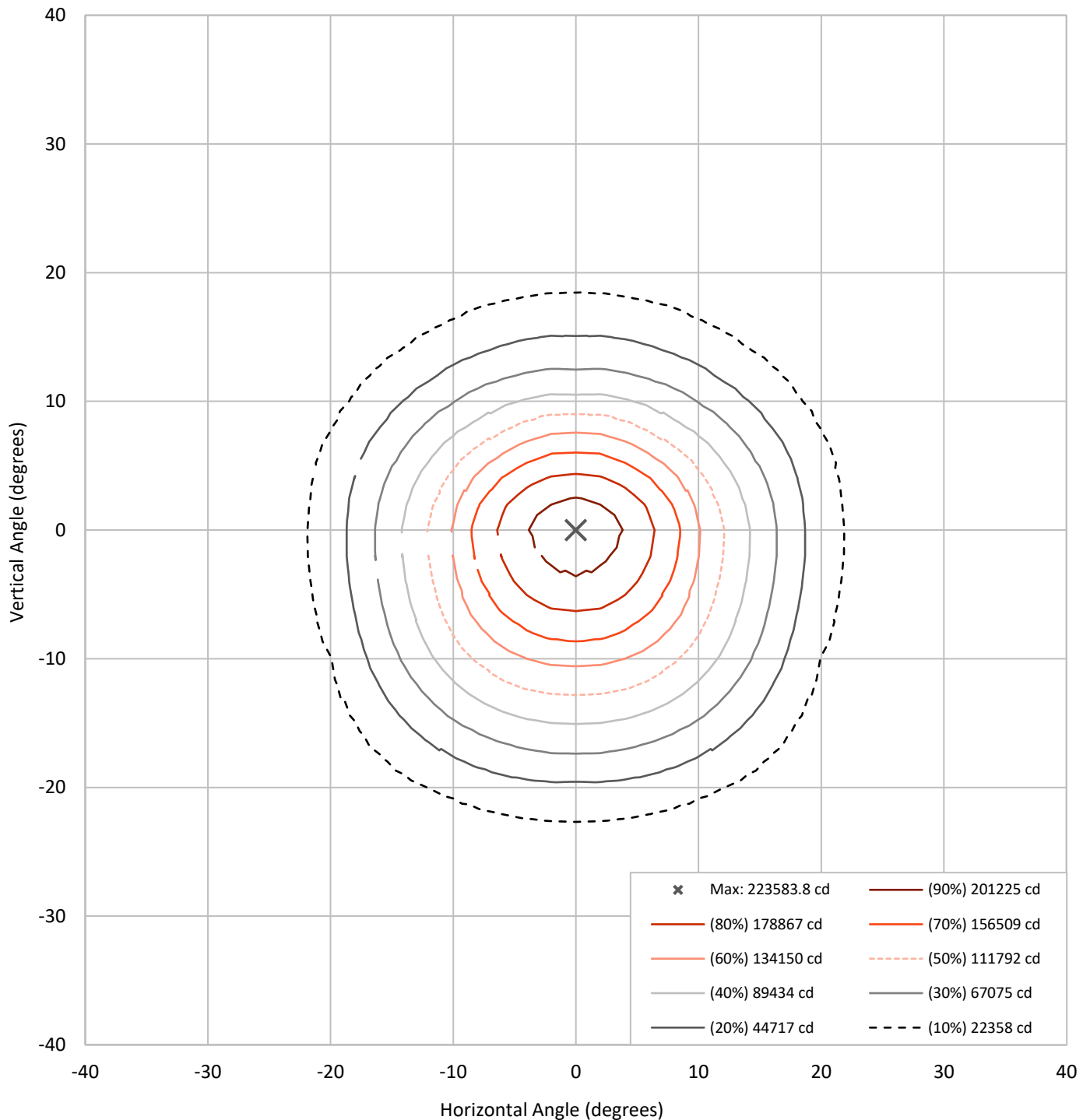
Test Method: LM-79-08  
Report Number: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-50-80-3S-CV2-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5000K, 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:	44132.8 lumens	Max Intensity:	223583.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	132.1 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:	19997.2 lumens	Field Lumens:	37843 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
Input Watts (W):	334		
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: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

### Iso-Candela Plot



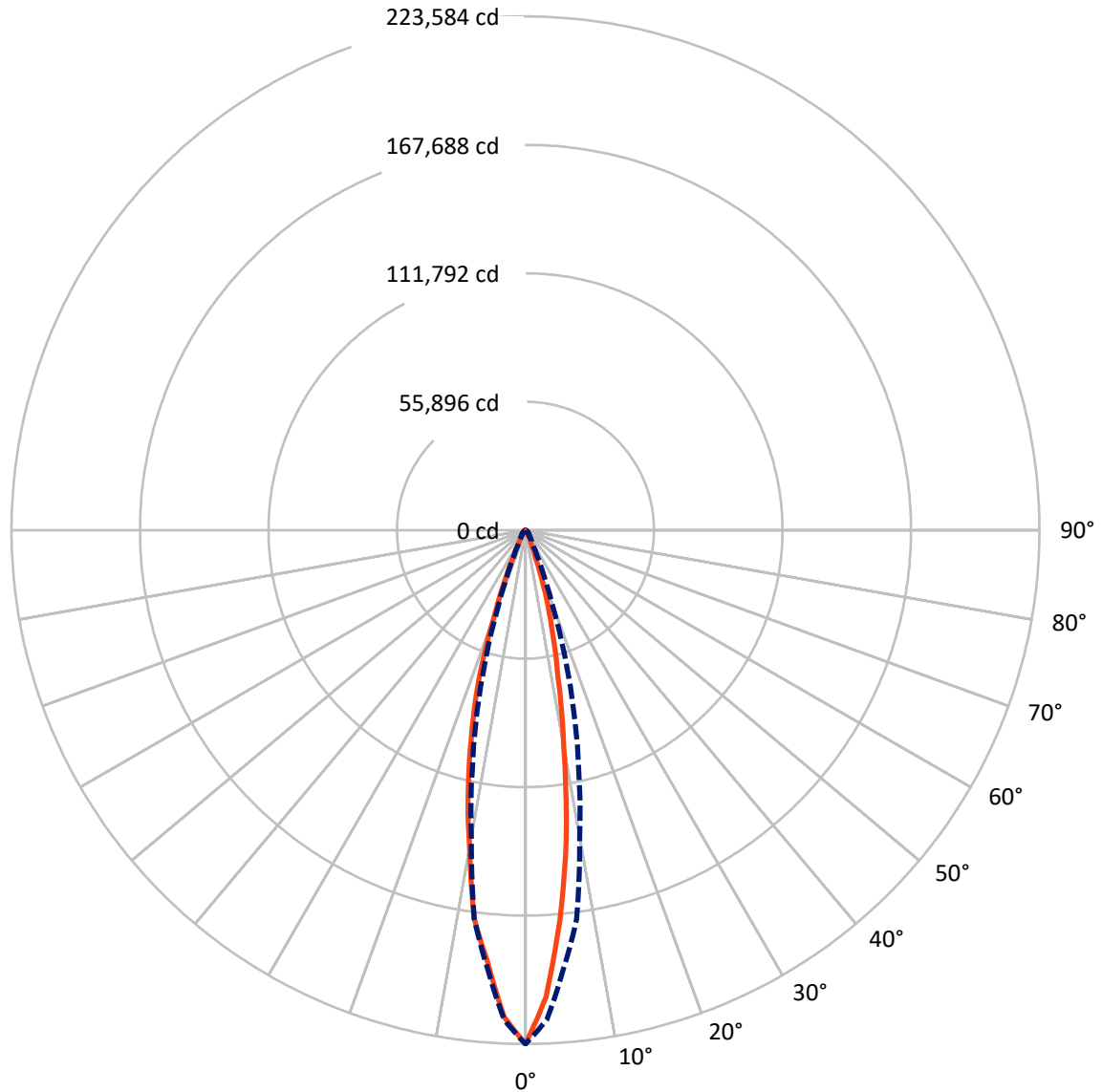
REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

### Lumen Table

90	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1			
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1			
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.3	0.4	0.6	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.1	0.1			
40		0.1	0.5	1.2	2.4	3.7	4.7	5.7	5.7	4.7	3.7	2.4	1.2	0.5	0.1				
30	0.2	0.3	1.8	5.8	15.4	26.4	60.7	126.7	126.7	60.7	26.4	15.4	5.8	1.8	0.3	0.2			
20		0.6	4.3	15.6	38.6	105.9	556.9	1307.6	1307.6	556.9	105.9	38.6	15.6	4.3	0.6				
10	0.2	1.2	7.7	29.3	70.8	319.0	1922.4	4397.6	4397.6	1922.4	319.0	70.8	29.3	7.7	1.2	0.2			
0		1.9	10.2	35.4	81.2	344.2	2218.4	4999.2	4999.2	2218.4	344.2	81.2	35.4	10.2	1.9				
-10	0.4	2.2	10.3	33.7	74.6	200.7	1134.3	2483.6	2483.6	1134.3	200.7	74.6	33.7	10.3	2.2	0.4			
-20		2.1	8.6	22.0	51.4	90.5	208.0	423.7	423.7	208.0	90.5	51.4	22.0	8.6	2.1				
-30	0.3	1.8	6.2	13.5	29.8	53.2	73.7	89.1	89.1	73.7	53.2	29.8	13.5	6.2	1.8	0.3			
-40		1.3	4.4	9.5	17.1	29.4	47.7	62.1	62.1	47.7	29.4	17.1	9.5	4.4	1.3				
-50	0.2	0.6	2.7	6.2	11.2	16.8	21.9	25.2	25.2	21.9	16.8	11.2	6.2	2.7	0.6	0.2			
-60		0.2	1.0	3.2	6.3	10.1	13.9	16.2	16.2	13.9	10.1	6.3	3.2	1.0	0.2				
-70	0.1	0.6		2.2		6.1		8.7		6.1		2.2		0.6		0.1			
-80		0.6		2.2		6.1		8.7		6.1		2.2		0.6					
-90	0.1	0.6		2.2		6.1		8.7		6.1		2.2		0.6		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

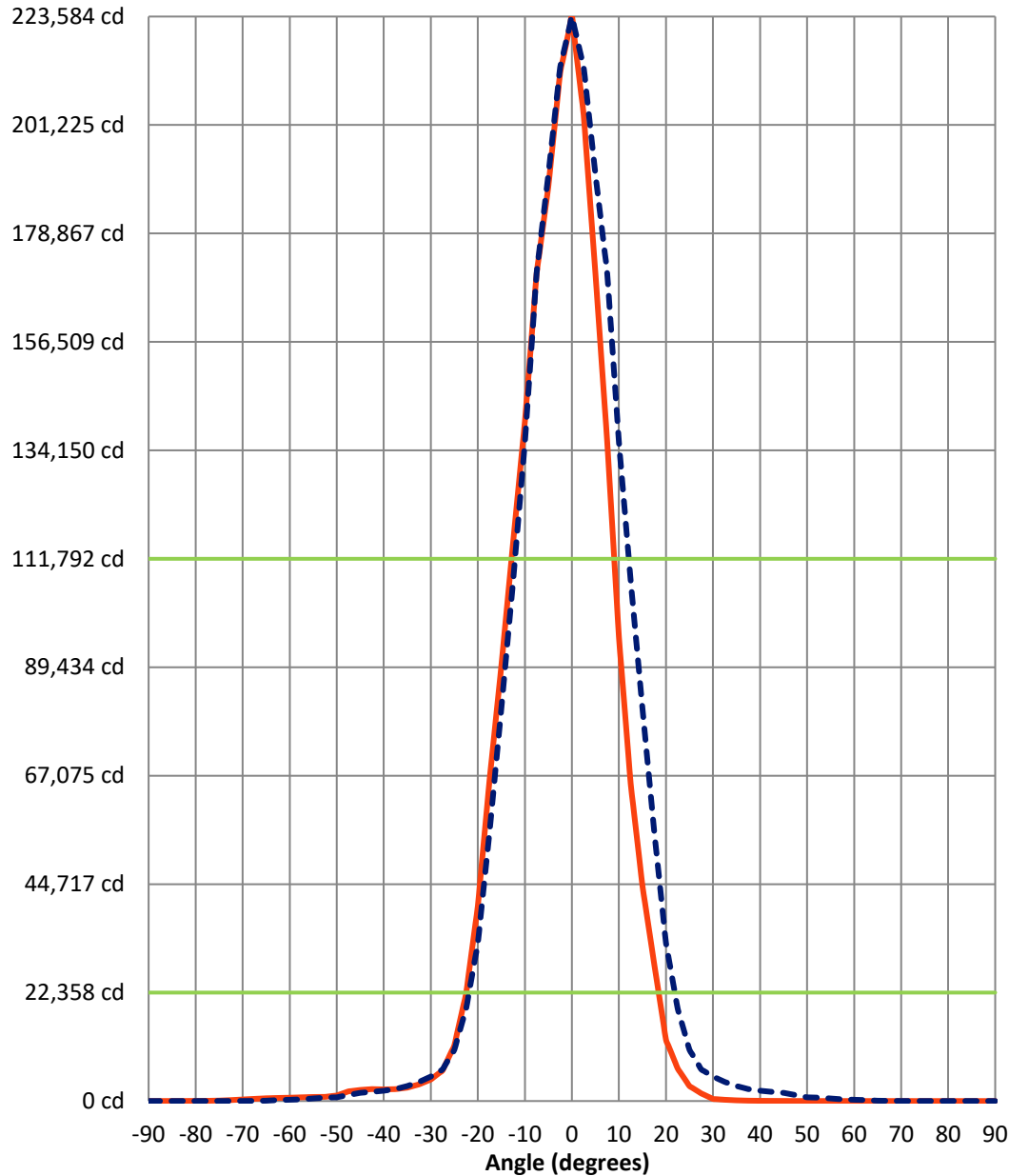
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.2°  
 V Angle: 21.8°  
 Lumens: 19997.2  
 Efficiency: 45.3%

**Field:**  
 H Angle: 43.8°  
 V Angle: 40.9°  
 Lumens: 37843  
 Efficiency: 85.7%

**Spill:**  
 Lumens: 6289.8  
 Efficiency: 14.3%

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



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.1	6.4	6.6	6.9
87.5°	5.8	5.8	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8
85°	5.8	5.8	6.0	6.0	6.0	5.9	5.8	5.8	5.8	5.8	5.8
82.5°	5.8	5.9	6.1	6.1	6.1	6.0	5.8	5.8	5.8	5.8	5.8
80°	5.8	5.9	6.2	6.2	6.2	6.1	5.9	6.0	6.0	6.0	5.8
77.5°	5.8	5.9	6.3	6.3	6.3	6.2	6.1	6.2	6.2	6.1	5.9
75°	5.8	5.9	6.3	6.5	6.4	6.3	6.4	6.5	6.4	6.2	5.9
72.5°	5.8	6.0	6.4	6.6	6.5	6.5	6.7	6.7	6.4	6.2	5.9
70°	5.8	6.0	6.5	6.7	6.6	6.7	6.9	6.7	6.5	6.2	5.9
67.5°	5.8	6.0	6.6	6.7	6.7	6.8	6.9	6.8	6.5	6.2	6.0
65°	5.8	6.0	6.6	6.8	6.8	6.9	6.9	6.8	6.5	6.3	6.1
62.5°	5.8	6.0	6.7	6.8	6.8	6.9	6.9	6.8	6.6	6.4	6.5
60°	5.8	6.0	6.8	6.8	6.9	6.9	6.9	6.9	6.6	6.6	6.8
57.5°	5.8	6.0	6.7	6.8	6.9	6.9	6.9	6.9	6.7	6.8	6.9
55°	5.8	6.1	6.7	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.9
52.5°	5.8	6.1	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
50°	5.8	6.1	6.7	6.9	6.9	6.9	6.9	7.0	6.9	6.9	7.4
47.5°	5.8	6.1	6.7	6.9	6.9	6.9	6.9	7.1	6.9	6.9	7.9
45°	5.8	6.1	6.7	6.9	6.9	6.9	7.0	7.2	7.0	7.3	8.4
42.5°	5.8	6.1	6.7	6.9	6.9	6.9	7.1	7.3	7.0	7.6	8.8
40°	5.8	6.1	6.7	6.9	6.9	6.9	7.3	7.3	7.2	7.9	9.1
37.5°	5.8	6.1	6.7	6.9	6.9	6.9	7.4	7.4	7.6	8.3	9.3
35°	5.8	6.1	6.7	6.9	6.9	7.0	7.6	7.5	7.9	8.7	9.3
32.5°	5.8	6.0	6.7	6.9	6.9	7.1	7.7	7.5	8.2	9.3	10.1
30°	5.8	6.0	6.8	6.9	6.9	7.2	7.8	7.7	8.5	9.9	11.2
27.5°	5.8	6.0	6.8	6.9	6.9	7.4	7.9	7.9	8.9	10.5	12.5
25°	5.8	6.0	6.8	6.9	6.9	7.5	7.9	8.2	9.4	11.5	14.0
22.5°	5.8	6.0	6.8	6.9	6.9	7.6	8.0	8.4	9.9	12.6	17.1
20°	5.8	6.0	6.8	6.9	6.9	7.7	8.1	8.6	10.5	13.8	20.1
17.5°	5.8	6.0	6.8	6.9	6.9	7.8	8.2	8.8	11.0	15.2	22.9
15°	5.8	5.9	6.8	6.9	6.9	7.9	8.3	9.0	11.6	16.6	25.6
12.5°	5.8	5.9	6.9	6.9	6.9	8.0	8.4	9.3	12.6	18.0	28.2
10°	5.8	5.9	6.9	6.9	6.9	8.0	8.6	9.5	14.0	20.7	32.7
7.5°	5.8	5.9	6.9	6.9	6.9	8.0	8.7	9.8	15.4	23.7	41.9
5°	5.8	5.8	6.9	6.9	6.9	8.1	8.9	10.0	16.9	26.6	51.4
2.5°	5.8	5.8	6.9	6.9	6.9	8.1	9.0	10.2	18.3	29.5	61.0
0°	5.8	5.8	6.9	6.9	6.9	8.1	9.2	10.4	19.6	32.2	70.2
-2.5°	5.8	5.8	6.9	6.9	6.9	8.1	10.1	13.8	26.0	42.8	85.3
-5°	5.8	5.8	6.9	6.9	6.9	8.1	11.0	17.1	32.1	52.9	99.5
-7.5°	5.8	5.8	6.9	6.9	6.9	8.0	11.8	20.2	37.8	62.4	112.3
-10°	5.8	5.8	6.9	6.9	6.9	8.0	12.4	22.9	43.0	71.1	123.6
-12.5°	5.8	5.8	6.8	6.9	6.9	8.0	13.0	25.2	47.5	78.7	131.5
-15°	5.8	5.8	6.8	6.9	6.9	7.9	13.3	27.0	51.5	84.8	137.0
-17.5°	5.8	5.8	6.8	6.9	6.9	7.8	13.4	28.7	55.1	89.9	141.0
-20°	5.8	5.8	6.8	6.9	6.9	7.7	13.7	30.2	57.7	94.0	143.2



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.8	5.8	6.7	6.9	6.9	7.6	14.1	30.9	59.3	96.9	143.8
-25°	5.8	5.8	6.7	6.9	6.9	7.8	14.1	30.9	59.7	98.7	142.6
-27.5°	5.8	5.8	6.7	6.9	6.9	7.9	13.7	30.1	59.0	99.2	143.9
-30°	5.8	5.8	6.6	6.9	6.9	8.0	12.9	28.5	57.8	98.2	143.8
-32.5°	5.8	5.8	6.6	6.9	7.0	8.0	11.7	27.3	55.8	95.5	142.2
-35°	5.8	5.8	6.5	6.9	7.1	7.9	11.2	25.8	52.6	91.1	138.9
-37.5°	5.8	5.8	6.4	6.9	7.2	7.8	11.1	23.6	48.1	84.9	128.6
-40°	5.8	5.8	6.4	6.9	7.2	7.9	10.8	20.8	42.4	78.3	116.8
-42.5°	5.8	5.8	6.3	6.9	7.3	8.0	10.4	17.3	37.5	69.0	104.2
-45°	5.8	5.8	6.3	6.9	7.3	8.0	9.9	14.6	32.6	58.6	91.1
-47.5°	5.8	5.8	6.2	7.0	7.4	8.1	9.2	13.7	26.8	47.4	78.5
-50°	5.8	5.8	6.1	6.9	7.4	8.1	9.1	12.7	19.9	39.6	65.0
-52.5°	5.8	5.8	6.0	6.8	7.4	8.1	9.0	11.5	16.7	31.1	51.1
-55°	5.8	5.8	6.0	6.7	7.4	8.0	9.0	10.2	14.9	22.0	40.7
-57.5°	5.8	5.8	5.9	6.6	7.4	8.0	8.9	10.0	12.9	18.1	29.8
-60°	5.8	5.8	5.8	6.5	7.3	7.9	8.7	9.8	11.1	15.5	21.0
-62.5°	5.8	5.8	5.8	6.4	7.2	7.8	8.6	9.5	10.7	12.8	17.7
-65°	5.8	5.8	5.8	6.3	7.0	7.7	8.4	9.2	10.2	11.6	14.2
-67.5°	5.8	5.8	5.8	6.2	6.9	7.6	8.2	8.9	9.6	10.8	12.4
-70°	5.8	5.8	5.8	6.1	6.7	7.4	8.0	8.6	9.2	10.0	11.2
-72.5°	5.8	5.8	5.8	6.0	6.5	7.1	7.8	8.2	8.7	9.3	10.1
-75°	5.8	5.8	5.8	6.0	6.3	6.9	7.5	7.8	8.2	8.6	9.2
-77.5°	5.8	5.8	5.8	6.0	6.3	6.7	7.2	7.5	7.7	8.0	8.3
-80°	5.8	5.8	5.8	5.9	6.2	6.5	6.9	7.1	7.3	7.5	7.7
-82.5°	5.8	5.8	5.8	5.9	6.1	6.3	6.6	6.8	6.9	7.1	7.2
-85°	5.8	5.8	5.8	5.9	6.0	6.2	6.4	6.6	6.7	6.8	6.9
-87.5°	5.8	5.8	5.8	5.8	5.9	6.0	6.1	6.3	6.5	6.7	6.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.6	6.4	6.1	5.8	5.8	5.8	5.8	5.8	5.5	5.2	4.9
87.5°	5.5	5.2	4.9	4.6	4.6	4.6	4.6	4.6	4.3	4.1	3.8
85°	5.5	5.2	5.0	4.8	4.8	4.8	4.7	4.6	4.3	4.1	3.8
82.5°	5.6	5.5	5.5	5.5	5.4	5.2	4.9	4.6	4.4	4.1	3.8
80°	5.8	5.8	5.8	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8
77.5°	5.8	5.8	5.8	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8
75°	5.8	5.8	5.8	5.8	5.6	5.3	5.0	5.0	4.9	4.8	4.7
72.5°	5.8	5.8	5.8	5.8	5.7	5.6	5.6	5.7	5.9	6.0	5.9
70°	5.8	5.8	5.9	5.9	5.8	5.9	6.4	7.0	7.6	8.1	9.6
67.5°	5.9	6.1	6.2	6.1	6.2	6.8	7.5	10.6	14.4	16.1	17.0
65°	6.3	6.5	6.5	6.6	6.9	9.0	12.5	16.9	21.7	22.9	22.7
62.5°	6.8	6.7	6.8	7.5	9.2	12.3	16.9	22.1	27.5	26.4	22.9
60°	6.9	6.9	7.6	9.4	11.7	15.9	21.2	23.8	25.5	25.4	20.9
57.5°	6.9	7.5	9.1	11.4	15.0	18.4	19.6	21.1	22.3	23.0	18.1
55°	7.2	8.5	10.6	13.8	16.5	16.1	16.7	17.7	18.5	17.5	13.0
52.5°	8.0	9.5	12.2	15.1	15.7	14.5	13.6	14.3	13.7	11.9	9.9
50°	8.7	10.7	13.5	15.3	15.0	13.0	11.2	11.5	11.0	9.6	8.4
47.5°	9.4	11.7	14.5	15.6	14.0	12.7	11.3	10.8	10.3	10.7	10.1
45°	10.1	12.5	15.5	15.1	14.1	13.7	13.0	11.4	13.2	13.8	13.6
42.5°	10.6	13.1	15.4	14.9	15.7	16.1	15.8	16.5	17.6	19.1	19.8
40°	11.0	13.5	16.0	17.7	18.1	19.7	21.9	23.6	24.2	26.5	28.0
37.5°	11.2	14.7	18.3	22.7	22.2	25.4	29.0	35.3	37.1	34.9	39.2
35°	11.2	16.7	24.6	30.7	31.6	33.0	42.3	51.7	57.5	51.8	57.1
32.5°	12.4	19.2	32.6	41.2	47.4	49.0	58.2	77.6	87.5	89.0	89.5
30°	15.2	26.6	42.5	53.8	67.8	79.1	88.0	110.3	126.3	165.9	197.8
27.5°	18.9	35.6	54.5	72.6	93.6	114.6	135.7	153.3	204.9	279.2	362.2
25°	22.5	48.6	67.7	95.8	127.7	158.3	186.7	210.7	311.4	463.8	565.7
22.5°	29.6	64.0	86.8	121.6	165.3	205.5	240.5	304.1	444.9	670.5	780.1
20°	41.2	80.3	110.2	152.5	207.3	254.3	295.3	401.6	607.2	818.7	954.7
17.5°	53.8	97.3	135.7	191.6	261.7	313.6	355.6	496.5	764.5	966.6	1105.2
15°	67.2	114.9	160.9	234.1	321.2	385.6	471.0	644.0	903.4	1111.8	1281.8
12.5°	80.9	132.6	185.5	278.9	384.4	458.3	611.6	862.6	1094.1	1275.7	1530.1
10°	94.6	150.2	209.3	324.8	449.9	531.0	766.2	1078.6	1302.3	1489.1	1781.6
7.5°	121.3	175.1	235.0	370.4	515.9	603.0	928.3	1288.8	1497.3	1687.4	1995.6
5°	150.0	207.0	274.8	427.2	581.2	668.0	1079.1	1489.2	1680.1	1871.6	2177.2
2.5°	177.9	237.8	313.3	482.4	642.6	720.8	1169.1	1600.4	1798.7	2014.6	2331.6
0°	203.8	267.1	349.9	533.0	698.7	770.1	1242.1	1694.5	1898.2	2134.2	2466.9
-2.5°	224.7	295.8	384.3	561.7	718.2	798.1	1257.0	1729.1	1949.6	2202.4	2531.8
-5°	242.1	322.4	416.0	585.5	733.3	822.8	1254.0	1741.4	1992.8	2254.1	2590.9
-7.5°	255.7	346.6	444.7	602.6	741.2	834.6	1250.3	1757.8	2040.1	2289.4	2638.9
-10°	263.3	356.6	450.8	600.3	739.3	837.2	1223.0	1747.9	2078.7	2314.9	2653.9
-12.5°	255.4	353.4	449.2	592.7	734.1	836.7	1163.6	1709.9	2109.5	2332.4	2625.5
-15°	246.1	348.2	443.1	579.8	726.1	833.2	1068.9	1642.7	2094.1	2268.6	2542.3
-17.5°	236.0	341.0	431.9	561.7	715.6	826.7	930.1	1472.1	1935.8	2159.5	2452.3
-20°	225.6	331.8	415.5	538.4	700.6	794.9	864.8	1256.5	1709.6	2025.0	2294.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	215.3	320.6	398.0	516.8	646.4	742.4	816.6	1036.6	1475.4	1858.6	2059.8
-25°	209.8	304.2	383.3	477.2	588.8	688.4	760.6	838.9	1230.6	1598.8	1852.1
-27.5°	207.2	289.4	361.5	437.6	534.1	631.3	700.2	774.0	989.3	1337.1	1640.9
-30°	202.4	269.2	338.8	401.9	487.6	571.8	639.4	715.6	802.2	1083.1	1363.7
-32.5°	191.1	248.7	315.0	375.8	444.2	517.7	592.7	667.2	741.4	843.6	1100.7
-35°	177.8	231.5	291.3	349.0	403.4	474.0	548.8	622.2	685.1	750.4	892.7
-37.5°	167.1	213.0	267.8	322.4	373.8	434.2	503.1	574.4	638.6	697.6	778.7
-40°	155.3	193.2	245.7	297.3	345.7	397.6	459.1	523.3	589.6	658.6	721.9
-42.5°	142.4	178.9	222.7	272.5	317.9	365.7	414.9	474.3	539.5	612.3	678.1
-45°	127.6	163.7	199.6	245.5	289.1	333.0	379.1	426.1	490.2	555.6	624.4
-47.5°	112.1	147.3	181.8	218.4	259.9	300.0	342.2	390.3	440.6	500.3	561.1
-50°	96.0	129.4	162.9	196.0	231.5	267.9	305.1	353.7	401.5	448.3	500.4
-52.5°	79.9	110.7	142.6	174.5	206.0	238.7	274.3	317.1	362.3	406.1	449.4
-55°	62.8	91.5	121.4	151.7	181.8	211.5	246.0	284.0	323.1	364.9	405.2
-57.5°	48.4	71.2	98.9	127.8	156.2	185.2	219.1	251.8	287.3	324.2	360.3
-60°	35.2	52.9	75.0	101.7	129.5	157.9	191.4	223.8	254.2	283.7	317.6
-62.5°	23.3	37.0	53.7	73.8	99.0	127.6	157.6	189.5	223.9	250.9	277.4
-65°	19.1	23.6	35.0	50.7	67.4	91.6	119.0	148.6	178.4	205.2	233.5
-67.5°	14.8	19.0	23.0	29.0	43.3	59.4	76.6	101.1	127.0	149.5	172.3
-70°	12.9	14.8	18.2	21.7	25.1	31.7	45.8	60.8	75.7	90.1	108.7
-72.5°	11.4	13.1	14.8	16.7	19.7	22.7	26.0	29.5	37.9	49.0	59.3
-75°	10.2	11.3	12.7	14.3	15.9	17.4	19.1	21.8	24.6	27.1	29.6
-77.5°	9.1	10.0	11.0	12.0	13.0	14.2	15.4	16.7	18.0	19.4	20.8
-80°	8.1	8.6	9.3	10.1	10.7	11.2	11.9	12.7	13.5	14.2	15.0
-82.5°	7.5	7.8	8.1	8.5	8.6	8.5	8.5	8.8	9.3	9.8	10.3
-85°	6.9	6.9	7.0	7.2	7.3	7.4	7.4	7.4	7.3	7.3	7.3
-87.5°	6.8	6.6	6.5	6.4	6.5	6.5	6.5	6.6	6.3	6.1	5.8
-90°	5.5	5.2	4.9	4.6	4.6	4.6	4.6	4.6	4.3	4.1	3.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.6	4.6	4.6	4.6	4.6	4.9	5.2	5.5	5.8	6.7	7.5
87.5°	3.5	3.2	2.9	2.6	2.3	2.0	1.8	1.5	1.2	1.2	1.2
85°	3.5	3.2	2.9	2.6	2.3	2.0	1.8	1.5	1.2	1.2	1.2
82.5°	3.5	3.4	3.3	3.2	3.2	3.0	2.7	2.5	2.2	2.0	1.7
80°	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3	2.0	1.8
77.5°	3.7	3.7	3.7	3.6	3.5	3.3	3.0	2.6	2.3	2.1	1.8
75°	4.6	4.5	4.3	4.0	3.6	3.3	3.0	2.7	2.4	2.3	2.3
72.5°	5.7	5.4	5.2	5.4	5.4	5.2	5.1	4.7	4.2	4.2	4.3
70°	10.6	11.0	11.1	10.6	9.5	8.5	7.7	6.8	5.9	5.6	5.6
67.5°	16.8	16.0	15.0	13.7	11.8	10.0	9.0	7.9	7.0	6.7	6.7
65°	20.9	17.3	14.9	13.0	11.4	10.0	8.9	7.8	6.7	6.1	6.0
62.5°	19.1	15.0	12.4	10.8	9.7	8.9	7.5	6.4	5.5	5.0	5.2
60°	16.5	12.0	9.3	8.1	6.9	5.9	5.3	5.0	4.7	4.6	4.7
57.5°	13.1	9.1	6.8	6.4	5.8	5.0	4.7	4.8	4.8	4.6	4.6
55°	9.6	7.8	6.9	6.6	6.3	6.0	5.7	5.6	5.5	5.4	5.5
52.5°	7.8	7.8	7.9	7.8	7.5	7.1	6.8	6.8	7.0	7.2	7.5
50°	8.6	8.8	9.0	8.9	8.7	8.4	8.0	8.4	8.9	9.4	9.7
47.5°	10.0	10.4	11.0	10.2	10.4	11.0	10.6	10.7	12.4	13.5	14.2
45°	12.7	14.7	15.2	15.7	15.8	17.0	17.5	17.9	21.2	22.6	22.7
42.5°	20.2	22.1	23.7	25.2	24.9	28.6	33.7	36.5	36.4	35.8	36.4
40°	30.6	32.6	37.3	40.8	46.3	51.2	51.5	46.8	47.4	52.8	53.3
37.5°	45.9	52.3	61.5	71.9	74.6	71.5	73.4	76.8	80.4	85.5	91.4
35°	73.1	94.5	98.8	106.7	111.9	106.8	108.8	118.0	118.1	134.4	143.3
32.5°	129.7	162.6	172.7	165.6	179.4	187.7	162.1	194.3	200.5	217.2	237.7
30°	211.5	280.0	301.2	291.2	328.6	340.4	317.8	382.7	420.8	420.1	516.4
27.5°	401.9	436.1	475.8	536.5	544.3	564.6	692.5	791.5	917.2	1036.1	1190.3
25°	614.9	634.3	748.1	823.1	860.2	995.5	1185.1	1339.8	1606.5	1855.4	2373.5
22.5°	811.1	883.5	1022.5	1142.5	1277.4	1495.2	1756.9	2043.9	2752.5	3624.3	4718.1
20°	1003.6	1099.0	1264.9	1480.8	1696.2	1992.5	2340.3	3249.8	4643.1	6754.7	9036.9
17.5°	1220.9	1312.6	1538.8	1843.7	2171.4	2615.6	3682.3	5420.2	8378.9	12509.9	16495.2
15°	1503.0	1660.8	1911.1	2361.7	2988.8	4035.6	5774.5	10061.1	15968.2	22392.3	29279.7
12.5°	1833.0	2093.3	2500.7	3082.9	3986.0	6458.8	10829.1	17712.2	26539.6	35562.2	46881.9
10°	2152.5	2587.9	3211.3	4128.8	5925.3	9822.6	16333.5	26267.5	39792.9	53743.1	66244.6
7.5°	2433.1	3009.2	3848.1	5134.0	7986.0	13618.6	22985.2	36827.8	53686.3	70925.0	87735.8
5°	2719.7	3404.7	4382.4	5886.8	9242.7	16366.3	28389.1	46495.5	66863.7	87743.1	109684.2
2.5°	2955.0	3736.7	4828.4	6510.8	9985.3	17843.1	31740.2	53228.9	76762.8	100666.5	127968.4
0°	3096.6	3942.6	5048.9	6530.4	10568.6	19006.4	32567.9	55612.5	80942.0	107223.6	135798.2
-2.5°	3100.9	3899.7	4941.4	6468.4	10443.7	18688.4	32625.7	55553.0	80717.2	106028.8	134227.4
-5°	3091.3	3802.0	4780.3	6246.3	9696.6	17029.3	30122.8	51953.8	76739.6	100693.8	126377.7
-7.5°	3076.5	3672.7	4551.3	5891.0	8740.4	15026.8	27239.9	47224.5	70609.8	92922.0	115913.5
-10°	3059.4	3538.9	4340.6	5586.2	7874.3	12644.9	21912.6	40112.7	61565.1	82154.4	101008.1
-12.5°	3044.7	3484.0	4170.9	5166.2	6821.4	10596.1	18499.9	32781.0	50153.3	67538.7	84240.1
-15°	2988.6	3411.3	4032.4	4854.4	6196.3	8836.2	13810.4	23681.9	37947.0	51680.4	64938.2
-17.5°	2873.5	3307.8	3698.5	4338.4	5306.3	7027.8	10286.8	16235.1	25394.4	36129.7	45483.0
-20°	2648.1	2945.7	3269.9	3813.4	4558.3	5464.6	6950.9	10340.2	14695.3	21697.7	26601.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2313.3	2563.7	2836.5	3198.5	3722.4	4362.0	5155.0	6408.1	8680.6	11379.5	14362.4
-25°	2008.0	2187.9	2440.7	2751.7	3032.1	3449.4	4005.2	4491.3	5472.9	6266.8	7907.5
-27.5°	1776.6	1926.1	2155.1	2396.3	2603.3	2826.9	3213.6	3557.2	4034.8	4451.7	5118.7
-30°	1609.3	1762.5	1946.5	2129.4	2325.9	2515.5	2688.6	2949.1	3235.5	3507.5	3860.3
-32.5°	1402.7	1644.5	1777.7	1932.3	2107.2	2273.0	2405.0	2569.7	2727.4	2907.5	3101.0
-35°	1186.8	1451.0	1655.5	1774.3	1904.2	2062.5	2197.8	2310.5	2415.0	2526.8	2629.0
-37.5°	932.7	1224.6	1457.5	1633.4	1752.0	1862.5	2007.6	2115.9	2185.0	2277.8	2347.7
-40°	801.6	918.5	1183.3	1422.3	1575.1	1749.2	1884.2	1998.9	2125.4	2224.1	2281.1
-42.5°	737.7	805.5	875.9	1071.2	1310.4	1519.4	1693.4	1882.1	2051.3	2185.9	2311.1
-45°	688.3	736.4	786.6	851.4	918.4	1114.0	1328.6	1549.2	1746.7	1931.3	2089.7
-47.5°	622.5	678.8	724.6	765.6	806.7	866.8	931.0	1020.5	1210.4	1402.9	1586.4
-50°	554.6	606.5	657.1	704.6	743.1	773.4	797.7	837.1	894.3	951.3	1007.2
-52.5°	490.7	538.8	584.7	630.8	675.8	715.8	751.3	779.2	802.1	821.7	835.0
-55°	445.0	482.9	518.5	562.5	605.8	646.1	683.4	717.6	748.8	777.3	796.8
-57.5°	397.5	434.6	471.6	508.5	544.3	578.9	613.7	647.6	679.4	708.3	727.7
-60°	350.4	382.1	418.8	457.0	492.7	526.0	558.3	588.7	617.1	641.4	657.1
-62.5°	306.0	336.0	367.6	401.9	438.1	473.4	505.8	536.5	565.6	589.2	604.4
-65°	261.1	286.3	313.4	341.7	371.1	401.1	432.0	463.4	495.0	520.4	537.1
-67.5°	196.1	221.4	248.0	275.7	300.6	323.6	345.8	368.7	391.9	411.2	426.3
-70°	127.6	146.4	164.9	183.9	204.6	225.6	245.8	264.6	282.1	296.1	307.4
-72.5°	68.9	78.1	88.3	102.7	116.6	130.6	144.4	157.4	169.6	178.7	185.9
-75°	32.0	36.1	43.9	51.1	57.7	64.5	71.0	77.0	82.5	86.4	89.4
-77.5°	22.7	24.6	26.4	28.3	30.1	32.7	35.4	38.1	40.7	43.2	45.7
-80°	16.0	17.0	18.1	19.0	19.9	21.4	23.0	24.5	26.1	27.7	29.2
-82.5°	10.7	11.4	12.1	12.7	13.3	14.2	15.1	15.9	16.7	18.0	19.3
-85°	7.3	7.6	7.9	8.2	8.6	9.2	9.9	10.6	11.3	12.2	13.1
-87.5°	5.6	5.6	5.6	5.7	5.7	6.3	6.8	7.4	8.0	8.9	9.8
-90°	3.5	3.2	2.9	2.6	2.3	2.0	1.8	1.5	1.2	0.9	0.6



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.4	9.2	9.8	10.4	9.8	9.2	8.4	7.5	6.7	5.8	5.5
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.7	2.0	2.2	2.5
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.6
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.6
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.7
72.5°	4.5	4.5	4.6	4.6	4.6	4.5	4.5	4.3	4.2	4.2	4.7
70°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.6	5.6	5.9	6.8
67.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	7.0	7.9
65°	5.9	5.8	5.8	5.8	5.8	5.8	5.9	6.0	6.1	6.7	7.8
62.5°	5.4	5.7	5.8	5.8	5.8	5.7	5.4	5.2	5.0	5.5	6.4
60°	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7	4.6	4.7	5.0
57.5°	4.6	4.6	5.1	5.8	5.1	4.6	4.6	4.6	4.6	4.8	4.8
55°	5.6	5.7	6.2	6.9	6.2	5.7	5.6	5.5	5.4	5.5	5.6
52.5°	7.8	7.9	8.1	8.1	8.1	7.9	7.8	7.5	7.2	7.0	6.8
50°	10.0	10.2	10.4	10.4	10.4	10.2	10.0	9.7	9.4	8.9	8.4
47.5°	14.6	14.8	14.9	15.0	14.9	14.8	14.6	14.2	13.5	12.4	10.7
45°	23.5	23.8	24.0	24.2	24.0	23.8	23.5	22.7	22.6	21.2	17.9
42.5°	37.9	38.5	38.5	38.0	38.5	38.5	37.9	36.4	35.8	36.4	36.5
40°	54.1	54.1	53.5	53.0	53.5	54.1	54.1	53.3	52.8	47.4	46.8
37.5°	94.1	90.7	84.6	81.7	84.6	90.7	94.1	91.4	85.5	80.4	76.8
35°	145.6	147.8	148.3	147.3	148.3	147.8	145.6	143.3	134.4	118.1	118.0
32.5°	243.4	255.1	258.9	265.9	258.9	255.1	243.4	237.7	217.2	200.5	194.3
30°	501.2	497.7	454.0	435.1	454.0	497.7	501.2	516.4	420.1	420.8	382.7
27.5°	1350.2	1505.6	1579.7	1573.6	1579.7	1505.6	1350.2	1190.3	1036.1	917.2	791.5
25°	2780.6	3030.5	3196.1	3087.3	3196.1	3030.5	2780.6	2373.5	1855.4	1606.5	1339.8
22.5°	5736.8	6281.4	6578.1	6684.6	6578.1	6281.4	5736.8	4718.1	3624.3	2752.5	2043.9
20°	11496.5	12524.7	13275.7	12648.7	13275.7	12524.7	11496.5	9036.9	6754.7	4643.1	3249.8
17.5°	21343.2	24541.8	27371.4	28255.8	27371.4	24541.8	21343.2	16495.2	12509.9	8378.9	5420.2
15°	35919.7	41321.5	44532.3	44345.2	44532.3	41321.5	35919.7	29279.7	22392.3	15968.2	10061.1
12.5°	55266.4	61932.6	66380.5	65391.4	66380.5	61932.6	55266.4	46881.9	35562.2	26539.6	17712.2
10°	78513.1	88610.2	95946.5	95608.6	95946.5	88610.2	78513.1	66244.6	53743.1	39792.9	26267.5
7.5°	102614.8	119190.5	133577.5	135998.6	133577.5	119190.5	102614.8	87735.8	70925.0	53686.3	36827.8
5°	133695.8	155543.3	169831.0	170647.7	169831.0	155543.3	133695.8	109684.2	87743.1	66863.7	46495.5
2.5°	158907.8	183970.5	196028.2	203333.6	196028.2	183970.5	158907.8	127968.4	100666.5	76762.8	53228.9
0°	170719.6	191094.1	213138.9	223583.8	213138.9	191094.1	170719.6	135798.2	107223.6	80942.0	55612.5
-2.5°	165873.7	187706.5	200933.5	212003.3	200933.5	187706.5	165873.7	134227.4	106028.8	80717.2	55553.0
-5°	154883.5	176516.3	187612.7	188648.0	187612.7	176516.3	154883.5	126377.7	100693.8	76739.6	51953.8
-7.5°	136941.8	155285.2	166935.3	170560.2	166935.3	155285.2	136941.8	115913.5	92922.0	70609.8	47224.5
-10°	117874.4	131066.3	138595.5	140039.0	138595.5	131066.3	117874.4	101008.1	82154.4	61565.1	40112.7
-12.5°	98051.0	108851.1	114046.4	115181.4	114046.4	108851.1	98051.0	84240.1	67538.7	50153.3	32781.0
-15°	76091.6	84218.5	88896.2	89710.2	88896.2	84218.5	76091.6	64938.2	51680.4	37947.0	23681.9
-17.5°	54312.7	60916.4	65655.0	66284.6	65655.0	60916.4	54312.7	45483.0	36129.7	25394.4	16235.1
-20°	33364.1	37857.4	40629.5	40223.0	40629.5	37857.4	33364.1	26601.8	21697.7	14695.3	10340.2



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17962.8	20384.8	21556.3	22161.6	21556.3	20384.8	17962.8	14362.4	11379.5	8680.6	6408.1
-25°	9495.1	10520.8	11047.1	11459.5	11047.1	10520.8	9495.1	7907.5	6266.8	5472.9	4491.3
-27.5°	5649.6	6002.4	6198.3	6305.9	6198.3	6002.4	5649.6	5118.7	4451.7	4034.8	3557.2
-30°	4141.8	4310.7	4400.0	4444.5	4400.0	4310.7	4141.8	3860.3	3507.5	3235.5	2949.1
-32.5°	3256.3	3356.7	3418.3	3440.7	3418.3	3356.7	3256.3	3101.0	2907.5	2727.4	2569.7
-35°	2701.3	2734.8	2746.9	2768.5	2746.9	2734.8	2701.3	2629.0	2526.8	2415.0	2310.5
-37.5°	2400.9	2432.1	2447.3	2460.0	2447.3	2432.1	2400.9	2347.7	2277.8	2185.0	2115.9
-40°	2307.4	2340.5	2374.4	2399.0	2374.4	2340.5	2307.4	2281.1	2224.1	2125.4	1998.9
-42.5°	2365.8	2419.9	2457.1	2462.3	2457.1	2419.9	2365.8	2311.1	2185.9	2051.3	1882.1
-45°	2179.6	2241.3	2274.9	2286.2	2274.9	2241.3	2179.6	2089.7	1931.3	1746.7	1549.2
-47.5°	1749.1	1890.0	1974.1	1992.6	1974.1	1890.0	1749.1	1586.4	1402.9	1210.4	1020.5
-50°	1061.5	1111.8	1139.4	1143.1	1139.4	1111.8	1061.5	1007.2	951.3	894.3	837.1
-52.5°	845.5	854.5	860.1	863.4	860.1	854.5	845.5	835.0	821.7	802.1	779.2
-55°	814.0	829.1	837.6	841.5	837.6	829.1	814.0	796.8	777.3	748.8	717.6
-57.5°	745.1	760.4	767.2	769.0	767.2	760.4	745.1	727.7	708.3	679.4	647.6
-60°	671.4	684.3	688.4	688.4	688.4	684.3	671.4	657.1	641.4	617.1	588.7
-62.5°	618.9	632.4	638.9	642.3	638.9	632.4	618.9	604.4	589.2	565.6	536.5
-65°	551.6	564.0	569.2	571.0	569.2	564.0	551.6	537.1	520.4	495.0	463.4
-67.5°	439.8	451.5	454.8	454.7	454.8	451.5	439.8	426.3	411.2	391.9	368.7
-70°	317.0	324.7	326.0	324.6	326.0	324.7	317.0	307.4	296.1	282.1	264.6
-72.5°	191.7	196.1	197.9	198.0	197.9	196.1	191.7	185.9	178.7	169.6	157.4
-75°	91.7	93.4	94.7	95.5	94.7	93.4	91.7	89.4	86.4	82.5	77.0
-77.5°	48.0	50.2	51.1	51.8	51.1	50.2	48.0	45.7	43.2	40.7	38.1
-80°	30.6	32.0	32.2	32.2	32.2	32.0	30.6	29.2	27.7	26.1	24.5
-82.5°	20.5	21.8	21.9	21.9	21.9	21.8	20.5	19.3	18.0	16.7	15.9
-85°	14.1	15.0	15.5	16.1	15.5	15.0	14.1	13.1	12.2	11.3	10.6
-87.5°	10.6	11.5	11.5	11.5	11.5	11.5	10.6	9.8	8.9	8.0	7.4
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.5



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.2	4.9	4.6	4.6	4.6	4.6	4.6	4.9	5.2	5.5	5.8
87.5°	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
85°	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
82.5°	2.7	3.0	3.2	3.2	3.3	3.4	3.5	3.8	4.1	4.4	4.6
80°	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7
77.5°	3.0	3.3	3.5	3.6	3.7	3.7	3.7	3.8	4.1	4.4	4.7
75°	3.0	3.3	3.6	4.0	4.3	4.5	4.6	4.7	4.8	4.9	5.0
72.5°	5.1	5.2	5.4	5.4	5.2	5.4	5.7	5.9	6.0	5.9	5.7
70°	7.7	8.5	9.5	10.6	11.1	11.0	10.6	9.6	8.1	7.6	7.0
67.5°	9.0	10.0	11.8	13.7	15.0	16.0	16.8	17.0	16.1	14.4	10.6
65°	8.9	10.0	11.4	13.0	14.9	17.3	20.9	22.7	22.9	21.7	16.9
62.5°	7.5	8.9	9.7	10.8	12.4	15.0	19.1	22.9	26.4	27.5	22.1
60°	5.3	5.9	6.9	8.1	9.3	12.0	16.5	20.9	25.4	25.5	23.8
57.5°	4.7	5.0	5.8	6.4	6.8	9.1	13.1	18.1	23.0	22.3	21.1
55°	5.7	6.0	6.3	6.6	6.9	7.8	9.6	13.0	17.5	18.5	17.7
52.5°	6.8	7.1	7.5	7.8	7.9	7.8	7.8	9.9	11.9	13.7	14.3
50°	8.0	8.4	8.7	8.9	9.0	8.8	8.6	8.4	9.6	11.0	11.5
47.5°	10.6	11.0	10.4	10.2	11.0	10.4	10.0	10.1	10.7	10.3	10.8
45°	17.5	17.0	15.8	15.7	15.2	14.7	12.7	13.6	13.8	13.2	11.4
42.5°	33.7	28.6	24.9	25.2	23.7	22.1	20.2	19.8	19.1	17.6	16.5
40°	51.5	51.2	46.3	40.8	37.3	32.6	30.6	28.0	26.5	24.2	23.6
37.5°	73.4	71.5	74.6	71.9	61.5	52.3	45.9	39.2	34.9	37.1	35.3
35°	108.8	106.8	111.9	106.7	98.8	94.5	73.1	57.1	51.8	57.5	51.7
32.5°	162.1	187.7	179.4	165.6	172.7	162.6	129.7	89.5	89.0	87.5	77.6
30°	317.8	340.4	328.6	291.2	301.2	280.0	211.5	197.8	165.9	126.3	110.3
27.5°	692.5	564.6	544.3	536.5	475.8	436.1	401.9	362.2	279.2	204.9	153.3
25°	1185.1	995.5	860.2	823.1	748.1	634.3	614.9	565.7	463.8	311.4	210.7
22.5°	1756.9	1495.2	1277.4	1142.5	1022.5	883.5	811.1	780.1	670.5	444.9	304.1
20°	2340.3	1992.5	1696.2	1480.8	1264.9	1099.0	1003.6	954.7	818.7	607.2	401.6
17.5°	3682.3	2615.6	2171.4	1843.7	1538.8	1312.6	1220.9	1105.2	966.6	764.5	496.5
15°	5774.5	4035.6	2988.8	2361.7	1911.1	1660.8	1503.0	1281.8	1111.8	903.4	644.0
12.5°	10829.1	6458.8	3986.0	3082.9	2500.7	2093.3	1833.0	1530.1	1275.7	1094.1	862.6
10°	16333.5	9822.6	5925.3	4128.8	3211.3	2587.9	2152.5	1781.6	1489.1	1302.3	1078.6
7.5°	22985.2	13618.6	7986.0	5134.0	3848.1	3009.2	2433.1	1995.6	1687.4	1497.3	1288.8
5°	28389.1	16366.3	9242.7	5886.8	4382.4	3404.7	2719.7	2177.2	1871.6	1680.1	1489.2
2.5°	31740.2	17843.1	9985.3	6510.8	4828.4	3736.7	2955.0	2331.6	2014.6	1798.7	1600.4
0°	32567.9	19006.4	10568.6	6530.4	5048.9	3942.6	3096.6	2466.9	2134.2	1898.2	1694.5
-2.5°	32625.7	18688.4	10443.7	6468.4	4941.4	3899.7	3100.9	2531.8	2202.4	1949.6	1729.1
-5°	30122.8	17029.3	9696.6	6246.3	4780.3	3802.0	3091.3	2590.9	2254.1	1992.8	1741.4
-7.5°	27239.9	15026.8	8740.4	5891.0	4551.3	3672.7	3076.5	2638.9	2289.4	2040.1	1757.8
-10°	21912.6	12644.9	7874.3	5586.2	4340.6	3538.9	3059.4	2653.9	2314.9	2078.7	1747.9
-12.5°	18499.9	10596.1	6821.4	5166.2	4170.9	3484.0	3044.7	2625.5	2332.4	2109.5	1709.9
-15°	13810.4	8836.2	6196.3	4854.4	4032.4	3411.3	2988.6	2542.3	2268.6	2094.1	1642.7
-17.5°	10286.8	7027.8	5306.3	4338.4	3698.5	3307.8	2873.5	2452.3	2159.5	1935.8	1472.1
-20°	6950.9	5464.6	4558.3	3813.4	3269.9	2945.7	2648.1	2294.8	2025.0	1709.6	1256.5



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5155.0	4362.0	3722.4	3198.5	2836.5	2563.7	2313.3	2059.8	1858.6	1475.4	1036.6
-25°	4005.2	3449.4	3032.1	2751.7	2440.7	2187.9	2008.0	1852.1	1598.8	1230.6	838.9
-27.5°	3213.6	2826.9	2603.3	2396.3	2155.1	1926.1	1776.6	1640.9	1337.1	989.3	774.0
-30°	2688.6	2515.5	2325.9	2129.4	1946.5	1762.5	1609.3	1363.7	1083.1	802.2	715.6
-32.5°	2405.0	2273.0	2107.2	1932.3	1777.7	1644.5	1402.7	1100.7	843.6	741.4	667.2
-35°	2197.8	2062.5	1904.2	1774.3	1655.5	1451.0	1186.8	892.7	750.4	685.1	622.2
-37.5°	2007.6	1862.5	1752.0	1633.4	1457.5	1224.6	932.7	778.7	697.6	638.6	574.4
-40°	1884.2	1749.2	1575.1	1422.3	1183.3	918.5	801.6	721.9	658.6	589.6	523.3
-42.5°	1693.4	1519.4	1310.4	1071.2	875.9	805.5	737.7	678.1	612.3	539.5	474.3
-45°	1328.6	1114.0	918.4	851.4	786.6	736.4	688.3	624.4	555.6	490.2	426.1
-47.5°	931.0	866.8	806.7	765.6	724.6	678.8	622.5	561.1	500.3	440.6	390.3
-50°	797.7	773.4	743.1	704.6	657.1	606.5	554.6	500.4	448.3	401.5	353.7
-52.5°	751.3	715.8	675.8	630.8	584.7	538.8	490.7	449.4	406.1	362.3	317.1
-55°	683.4	646.1	605.8	562.5	518.5	482.9	445.0	405.2	364.9	323.1	284.0
-57.5°	613.7	578.9	544.3	508.5	471.6	434.6	397.5	360.3	324.2	287.3	251.8
-60°	558.3	526.0	492.7	457.0	418.8	382.1	350.4	317.6	283.7	254.2	223.8
-62.5°	505.8	473.4	438.1	401.9	367.6	336.0	306.0	277.4	250.9	223.9	189.5
-65°	432.0	401.1	371.1	341.7	313.4	286.3	261.1	233.5	205.2	178.4	148.6
-67.5°	345.8	323.6	300.6	275.7	248.0	221.4	196.1	172.3	149.5	127.0	101.1
-70°	245.8	225.6	204.6	183.9	164.9	146.4	127.6	108.7	90.1	75.7	60.8
-72.5°	144.4	130.6	116.6	102.7	88.3	78.1	68.9	59.3	49.0	37.9	29.5
-75°	71.0	64.5	57.7	51.1	43.9	36.1	32.0	29.6	27.1	24.6	21.8
-77.5°	35.4	32.7	30.1	28.3	26.4	24.6	22.7	20.8	19.4	18.0	16.7
-80°	23.0	21.4	19.9	19.0	18.1	17.0	16.0	15.0	14.2	13.5	12.7
-82.5°	15.1	14.2	13.3	12.7	12.1	11.4	10.7	10.3	9.8	9.3	8.8
-85°	9.9	9.2	8.6	8.2	7.9	7.6	7.3	7.3	7.3	7.3	7.4
-87.5°	6.8	6.3	5.7	5.7	5.6	5.6	5.6	5.8	6.1	6.3	6.6
-90°	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.8	5.8	5.8	5.8	6.1	6.4	6.6	6.9	6.6	6.4	6.1
87.5°	4.6	4.6	4.6	4.6	4.9	5.2	5.5	5.8	5.8	5.8	5.8
85°	4.7	4.8	4.8	4.8	5.0	5.2	5.5	5.8	5.8	5.8	5.8
82.5°	4.9	5.2	5.4	5.5	5.5	5.5	5.6	5.8	5.8	5.8	5.8
80°	5.0	5.3	5.6	5.8	5.8	5.8	5.8	5.8	6.0	6.0	6.0
77.5°	5.0	5.3	5.6	5.8	5.8	5.8	5.8	5.9	6.1	6.2	6.2
75°	5.0	5.3	5.6	5.8	5.8	5.8	5.8	5.9	6.2	6.4	6.5
72.5°	5.6	5.6	5.7	5.8	5.8	5.8	5.8	5.9	6.2	6.4	6.7
70°	6.4	5.9	5.8	5.9	5.9	5.8	5.8	5.9	6.2	6.5	6.7
67.5°	7.5	6.8	6.2	6.1	6.2	6.1	5.9	6.0	6.2	6.5	6.8
65°	12.5	9.0	6.9	6.6	6.5	6.5	6.3	6.1	6.3	6.5	6.8
62.5°	16.9	12.3	9.2	7.5	6.8	6.7	6.8	6.5	6.4	6.6	6.8
60°	21.2	15.9	11.7	9.4	7.6	6.9	6.9	6.8	6.6	6.6	6.9
57.5°	19.6	18.4	15.0	11.4	9.1	7.5	6.9	6.9	6.8	6.7	6.9
55°	16.7	16.1	16.5	13.8	10.6	8.5	7.2	6.9	6.9	6.8	6.9
52.5°	13.6	14.5	15.7	15.1	12.2	9.5	8.0	6.9	6.9	6.9	6.9
50°	11.2	13.0	15.0	15.3	13.5	10.7	8.7	7.4	6.9	6.9	7.0
47.5°	11.3	12.7	14.0	15.6	14.5	11.7	9.4	7.9	6.9	6.9	7.1
45°	13.0	13.7	14.1	15.1	15.5	12.5	10.1	8.4	7.3	7.0	7.2
42.5°	15.8	16.1	15.7	14.9	15.4	13.1	10.6	8.8	7.6	7.0	7.3
40°	21.9	19.7	18.1	17.7	16.0	13.5	11.0	9.1	7.9	7.2	7.3
37.5°	29.0	25.4	22.2	22.7	18.3	14.7	11.2	9.3	8.3	7.6	7.4
35°	42.3	33.0	31.6	30.7	24.6	16.7	11.2	9.3	8.7	7.9	7.5
32.5°	58.2	49.0	47.4	41.2	32.6	19.2	12.4	10.1	9.3	8.2	7.5
30°	88.0	79.1	67.8	53.8	42.5	26.6	15.2	11.2	9.9	8.5	7.7
27.5°	135.7	114.6	93.6	72.6	54.5	35.6	18.9	12.5	10.5	8.9	7.9
25°	186.7	158.3	127.7	95.8	67.7	48.6	22.5	14.0	11.5	9.4	8.2
22.5°	240.5	205.5	165.3	121.6	86.8	64.0	29.6	17.1	12.6	9.9	8.4
20°	295.3	254.3	207.3	152.5	110.2	80.3	41.2	20.1	13.8	10.5	8.6
17.5°	355.6	313.6	261.7	191.6	135.7	97.3	53.8	22.9	15.2	11.0	8.8
15°	471.0	385.6	321.2	234.1	160.9	114.9	67.2	25.6	16.6	11.6	9.0
12.5°	611.6	458.3	384.4	278.9	185.5	132.6	80.9	28.2	18.0	12.6	9.3
10°	766.2	531.0	449.9	324.8	209.3	150.2	94.6	32.7	20.7	14.0	9.5
7.5°	928.3	603.0	515.9	370.4	235.0	175.1	121.3	41.9	23.7	15.4	9.8
5°	1079.1	668.0	581.2	427.2	274.8	207.0	150.0	51.4	26.6	16.9	10.0
2.5°	1169.1	720.8	642.6	482.4	313.3	237.8	177.9	61.0	29.5	18.3	10.2
0°	1242.1	770.1	698.7	533.0	349.9	267.1	203.8	70.2	32.2	19.6	10.4
-2.5°	1257.0	798.1	718.2	561.7	384.3	295.8	224.7	85.3	42.8	26.0	13.8
-5°	1254.0	822.8	733.3	585.5	416.0	322.4	242.1	99.5	52.9	32.1	17.1
-7.5°	1250.3	834.6	741.2	602.6	444.7	346.6	255.7	112.3	62.4	37.8	20.2
-10°	1223.0	837.2	739.3	600.3	450.8	356.6	263.3	123.6	71.1	43.0	22.9
-12.5°	1163.6	836.7	734.1	592.7	449.2	353.4	255.4	131.5	78.7	47.5	25.2
-15°	1068.9	833.2	726.1	579.8	443.1	348.2	246.1	137.0	84.8	51.5	27.0
-17.5°	930.1	826.7	715.6	561.7	431.9	341.0	236.0	141.0	89.9	55.1	28.7
-20°	864.8	794.9	700.6	538.4	415.5	331.8	225.6	143.2	94.0	57.7	30.2



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	816.6	742.4	646.4	516.8	398.0	320.6	215.3	143.8	96.9	59.3	30.9
-25°	760.6	688.4	588.8	477.2	383.3	304.2	209.8	142.6	98.7	59.7	30.9
-27.5°	700.2	631.3	534.1	437.6	361.5	289.4	207.2	143.9	99.2	59.0	30.1
-30°	639.4	571.8	487.6	401.9	338.8	269.2	202.4	143.8	98.2	57.8	28.5
-32.5°	592.7	517.7	444.2	375.8	315.0	248.7	191.1	142.2	95.5	55.8	27.3
-35°	548.8	474.0	403.4	349.0	291.3	231.5	177.8	138.9	91.1	52.6	25.8
-37.5°	503.1	434.2	373.8	322.4	267.8	213.0	167.1	128.6	84.9	48.1	23.6
-40°	459.1	397.6	345.7	297.3	245.7	193.2	155.3	116.8	78.3	42.4	20.8
-42.5°	414.9	365.7	317.9	272.5	222.7	178.9	142.4	104.2	69.0	37.5	17.3
-45°	379.1	333.0	289.1	245.5	199.6	163.7	127.6	91.1	58.6	32.6	14.6
-47.5°	342.2	300.0	259.9	218.4	181.8	147.3	112.1	78.5	47.4	26.8	13.7
-50°	305.1	267.9	231.5	196.0	162.9	129.4	96.0	65.0	39.6	19.9	12.7
-52.5°	274.3	238.7	206.0	174.5	142.6	110.7	79.9	51.1	31.1	16.7	11.5
-55°	246.0	211.5	181.8	151.7	121.4	91.5	62.8	40.7	22.0	14.9	10.2
-57.5°	219.1	185.2	156.2	127.8	98.9	71.2	48.4	29.8	18.1	12.9	10.0
-60°	191.4	157.9	129.5	101.7	75.0	52.9	35.2	21.0	15.5	11.1	9.8
-62.5°	157.6	127.6	99.0	73.8	53.7	37.0	23.3	17.7	12.8	10.7	9.5
-65°	119.0	91.6	67.4	50.7	35.0	23.6	19.1	14.2	11.6	10.2	9.2
-67.5°	76.6	59.4	43.3	29.0	23.0	19.0	14.8	12.4	10.8	9.6	8.9
-70°	45.8	31.7	25.1	21.7	18.2	14.8	12.9	11.2	10.0	9.2	8.6
-72.5°	26.0	22.7	19.7	16.7	14.8	13.1	11.4	10.1	9.3	8.7	8.2
-75°	19.1	17.4	15.9	14.3	12.7	11.3	10.2	9.2	8.6	8.2	7.8
-77.5°	15.4	14.2	13.0	12.0	11.0	10.0	9.1	8.3	8.0	7.7	7.5
-80°	11.9	11.2	10.7	10.1	9.3	8.6	8.1	7.7	7.5	7.3	7.1
-82.5°	8.5	8.5	8.6	8.5	8.1	7.8	7.5	7.2	7.1	6.9	6.8
-85°	7.4	7.4	7.3	7.2	7.0	6.9	6.9	6.9	6.8	6.7	6.6
-87.5°	6.5	6.5	6.5	6.4	6.5	6.6	6.8	6.9	6.7	6.5	6.3
-90°	4.6	4.6	4.6	4.6	4.9	5.2	5.5	5.8	5.8	5.8	5.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	5.8	5.9	5.9	5.9	5.9	5.8	5.8
85°	5.8	5.9	6.0	6.0	6.0	5.8	5.8
82.5°	5.8	6.0	6.1	6.1	6.1	5.9	5.8
80°	5.9	6.1	6.2	6.2	6.2	5.9	5.8
77.5°	6.1	6.2	6.3	6.3	6.3	5.9	5.8
75°	6.4	6.3	6.4	6.5	6.3	5.9	5.8
72.5°	6.7	6.5	6.5	6.6	6.4	6.0	5.8
70°	6.9	6.7	6.6	6.7	6.5	6.0	5.8
67.5°	6.9	6.8	6.7	6.7	6.6	6.0	5.8
65°	6.9	6.9	6.8	6.8	6.6	6.0	5.8
62.5°	6.9	6.9	6.8	6.8	6.7	6.0	5.8
60°	6.9	6.9	6.9	6.8	6.8	6.0	5.8
57.5°	6.9	6.9	6.9	6.8	6.7	6.0	5.8
55°	6.9	6.9	6.9	6.9	6.7	6.1	5.8
52.5°	6.9	6.9	6.9	6.9	6.7	6.1	5.8
50°	6.9	6.9	6.9	6.9	6.7	6.1	5.8
47.5°	6.9	6.9	6.9	6.9	6.7	6.1	5.8
45°	7.0	6.9	6.9	6.9	6.7	6.1	5.8
42.5°	7.1	6.9	6.9	6.9	6.7	6.1	5.8
40°	7.3	6.9	6.9	6.9	6.7	6.1	5.8
37.5°	7.4	6.9	6.9	6.9	6.7	6.1	5.8
35°	7.6	7.0	6.9	6.9	6.7	6.1	5.8
32.5°	7.7	7.1	6.9	6.9	6.7	6.0	5.8
30°	7.8	7.2	6.9	6.9	6.8	6.0	5.8
27.5°	7.9	7.4	6.9	6.9	6.8	6.0	5.8
25°	7.9	7.5	6.9	6.9	6.8	6.0	5.8
22.5°	8.0	7.6	6.9	6.9	6.8	6.0	5.8
20°	8.1	7.7	6.9	6.9	6.8	6.0	5.8
17.5°	8.2	7.8	6.9	6.9	6.8	6.0	5.8
15°	8.3	7.9	6.9	6.9	6.8	5.9	5.8
12.5°	8.4	8.0	6.9	6.9	6.9	5.9	5.8
10°	8.6	8.0	6.9	6.9	6.9	5.9	5.8
7.5°	8.7	8.0	6.9	6.9	6.9	5.9	5.8
5°	8.9	8.1	6.9	6.9	6.9	5.8	5.8
2.5°	9.0	8.1	6.9	6.9	6.9	5.8	5.8
0°	9.2	8.1	6.9	6.9	6.9	5.8	5.8
-2.5°	10.1	8.1	6.9	6.9	6.9	5.8	5.8
-5°	11.0	8.1	6.9	6.9	6.9	5.8	5.8
-7.5°	11.8	8.0	6.9	6.9	6.9	5.8	5.8
-10°	12.4	8.0	6.9	6.9	6.9	5.8	5.8
-12.5°	13.0	8.0	6.9	6.9	6.8	5.8	5.8
-15°	13.3	7.9	6.9	6.9	6.8	5.8	5.8
-17.5°	13.4	7.8	6.9	6.9	6.8	5.8	5.8
-20°	13.7	7.7	6.9	6.9	6.8	5.8	5.8



REPORT NUMBER: P1306070 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.1	7.6	6.9	6.9	6.7	5.8	5.8
-25°	14.1	7.8	6.9	6.9	6.7	5.8	5.8
-27.5°	13.7	7.9	6.9	6.9	6.7	5.8	5.8
-30°	12.9	8.0	6.9	6.9	6.6	5.8	5.8
-32.5°	11.7	8.0	7.0	6.9	6.6	5.8	5.8
-35°	11.2	7.9	7.1	6.9	6.5	5.8	5.8
-37.5°	11.1	7.8	7.2	6.9	6.4	5.8	5.8
-40°	10.8	7.9	7.2	6.9	6.4	5.8	5.8
-42.5°	10.4	8.0	7.3	6.9	6.3	5.8	5.8
-45°	9.9	8.0	7.3	6.9	6.3	5.8	5.8
-47.5°	9.2	8.1	7.4	7.0	6.2	5.8	5.8
-50°	9.1	8.1	7.4	6.9	6.1	5.8	5.8
-52.5°	9.0	8.1	7.4	6.8	6.0	5.8	5.8
-55°	9.0	8.0	7.4	6.7	6.0	5.8	5.8
-57.5°	8.9	8.0	7.4	6.6	5.9	5.8	5.8
-60°	8.7	7.9	7.3	6.5	5.8	5.8	5.8
-62.5°	8.6	7.8	7.2	6.4	5.8	5.8	5.8
-65°	8.4	7.7	7.0	6.3	5.8	5.8	5.8
-67.5°	8.2	7.6	6.9	6.2	5.8	5.8	5.8
-70°	8.0	7.4	6.7	6.1	5.8	5.8	5.8
-72.5°	7.8	7.1	6.5	6.0	5.8	5.8	5.8
-75°	7.5	6.9	6.3	6.0	5.8	5.8	5.8
-77.5°	7.2	6.7	6.3	6.0	5.8	5.8	5.8
-80°	6.9	6.5	6.2	5.9	5.8	5.8	5.8
-82.5°	6.6	6.3	6.1	5.9	5.8	5.8	5.8
-85°	6.4	6.2	6.0	5.9	5.8	5.8	5.8
-87.5°	6.1	6.0	5.9	5.8	5.8	5.8	5.8
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)