

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: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-50-70-2S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

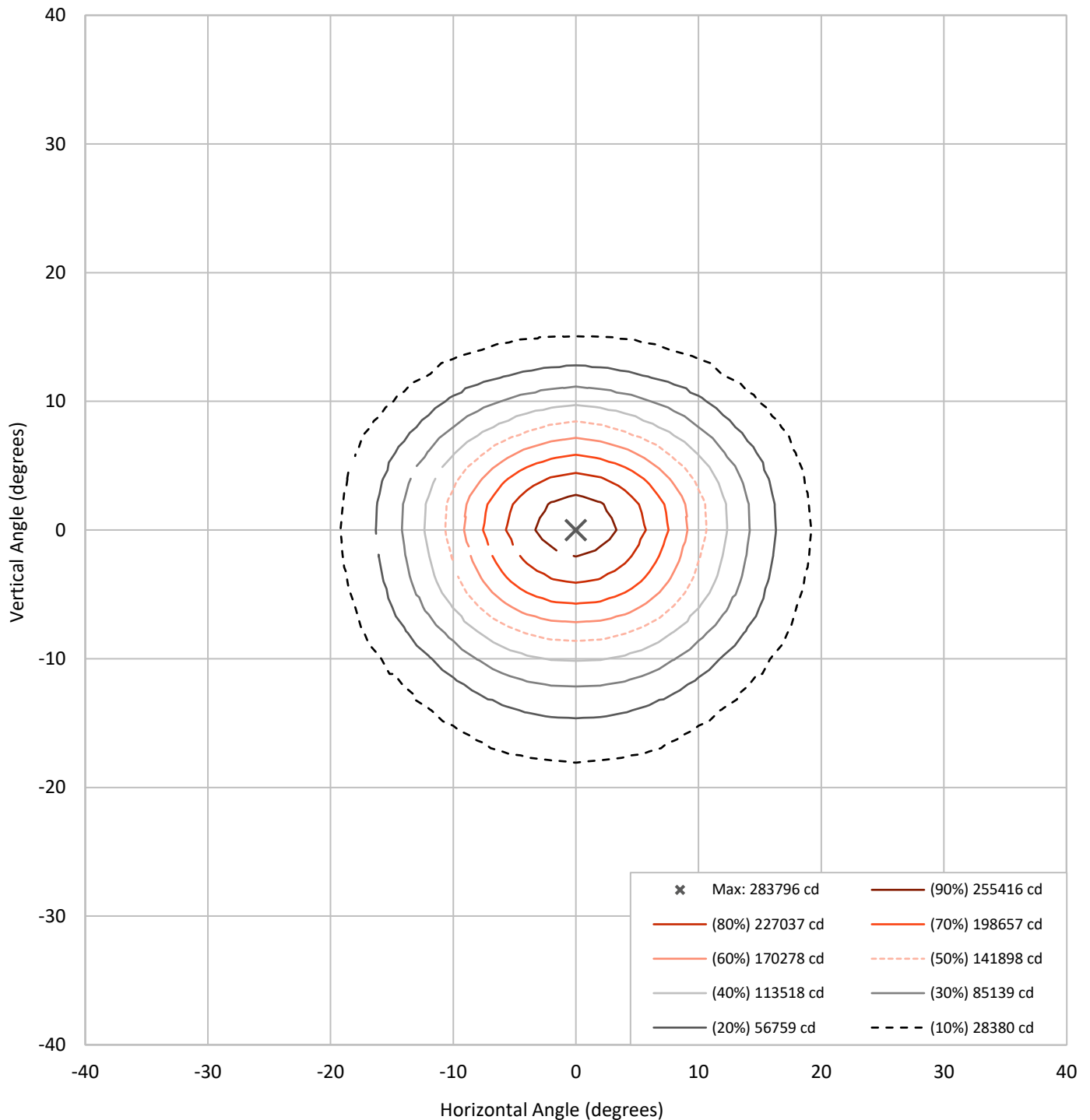
Test Method: LM-79-08  
Report Number: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-50-70-2S-CV5-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	38278.2 lumens	Max Intensity:	283796 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	16751.5 lumens	Field Lumens:	32423.7 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%
Input Watts (W):	340		
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: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

### Iso-Candela Plot





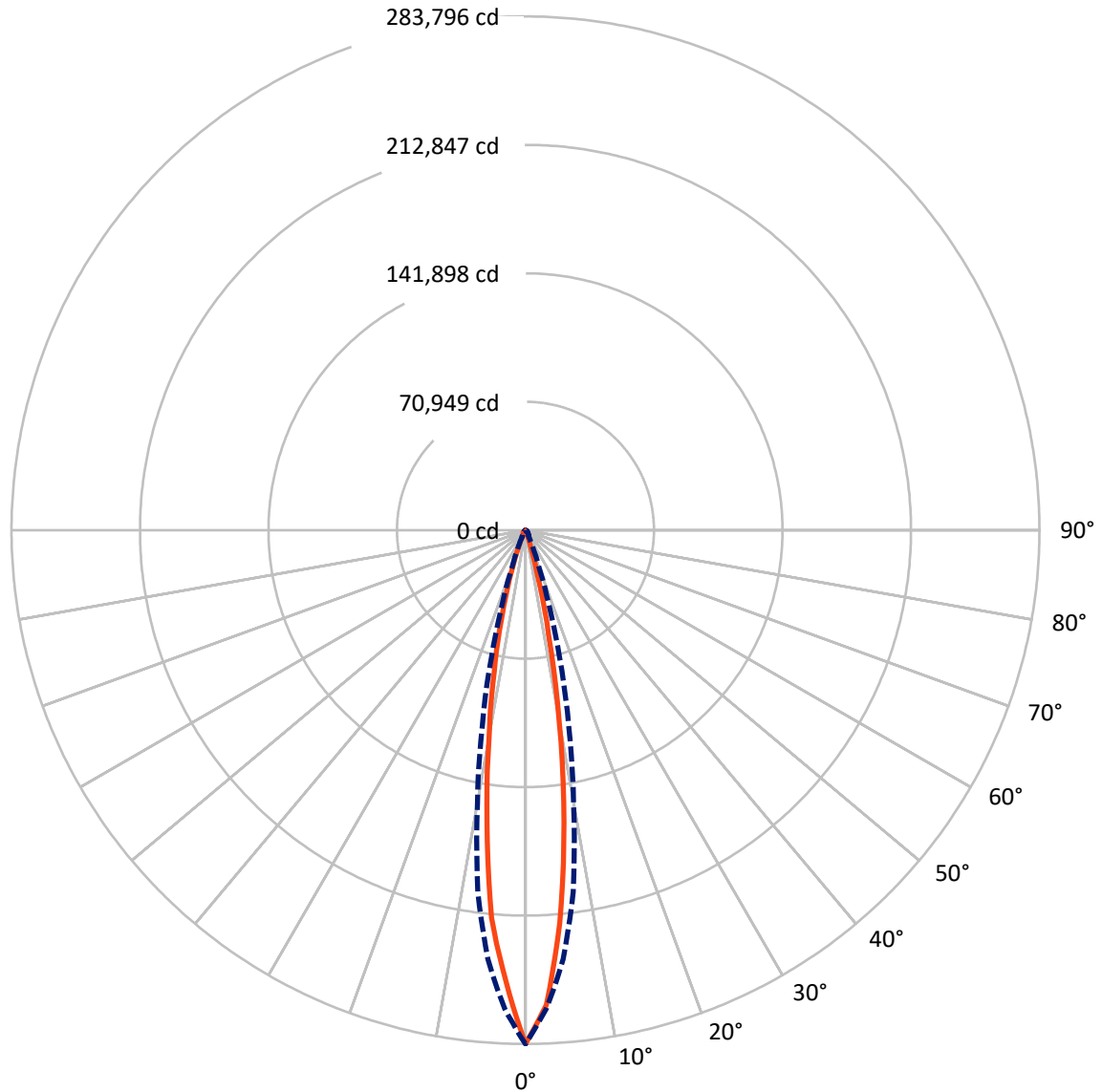
REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

### Lumen Table

90	0.1	0.3		0.4		0.5		0.6		0.5		0.4		0.3		0.1			
80	0.1	0.3		0.4		0.5		0.6		0.5		0.4		0.3		0.1			
70	0.1	0.1	0.1	0.4	0.5	0.3	0.1	0.1	0.1	0.1	0.3	0.5	0.4	0.1	0.1	0.1			
60		0.1	0.3	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3	0.1				
50	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1			
40		0.2	0.4	0.5	1.0	1.4	1.6	1.9	1.9	1.6	1.4	1.0	0.5	0.4	0.2				
30	0.2	0.3	1.0	2.4	4.8	6.1	10.9	23.0	23.0	10.9	6.1	4.8	2.4	1.0	0.3	0.2			
20		0.7	3.5	11.8	24.6	44.6	308.0	948.5	948.5	308.0	44.6	24.6	11.8	3.5	0.7				
10	0.3	1.3	7.3	28.6	57.3	182.1	1778.0	5285.2	5285.2	1778.0	182.1	57.3	28.6	7.3	1.3	0.3			
0		1.8	8.7	33.4	65.5	190.0	1814.8	5313.6	5313.6	1814.8	190.0	65.5	33.4	8.7	1.8				
-10	0.4	1.9	7.6	25.0	50.6	82.0	501.1	1488.7	1488.7	501.1	82.0	50.6	25.0	7.6	1.9	0.4			
-20		1.8	6.4	14.8	37.6	53.4	80.7	169.5	169.5	80.7	53.4	37.6	14.8	6.4	1.8				
-30	0.3	1.6	5.2	10.3	23.0	44.1	56.1	60.3	60.3	56.1	44.1	23.0	10.3	5.2	1.6	0.3			
-40		1.1	3.8	8.2	13.9	22.5	36.6	47.6	47.6	36.6	22.5	13.9	8.2	3.8	1.1				
-50	0.2	0.5	2.2	5.2	9.4	13.7	17.0	18.9	18.9	17.0	13.7	9.4	5.2	2.2	0.5	0.2			
-60		0.2	0.8	2.2	4.2	6.5	8.7	10.2	10.2	8.7	6.5	4.2	2.2	0.8	0.2				
-70	0.1	0.7	1.9		4.8		7.5		4.8		1.9		0.7		0.1				
-80		0.7	1.9		4.8		7.5		4.8		1.9		0.7						
-90	0.1	0.7		1.9		4.8		7.5		4.8		1.9		0.7		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

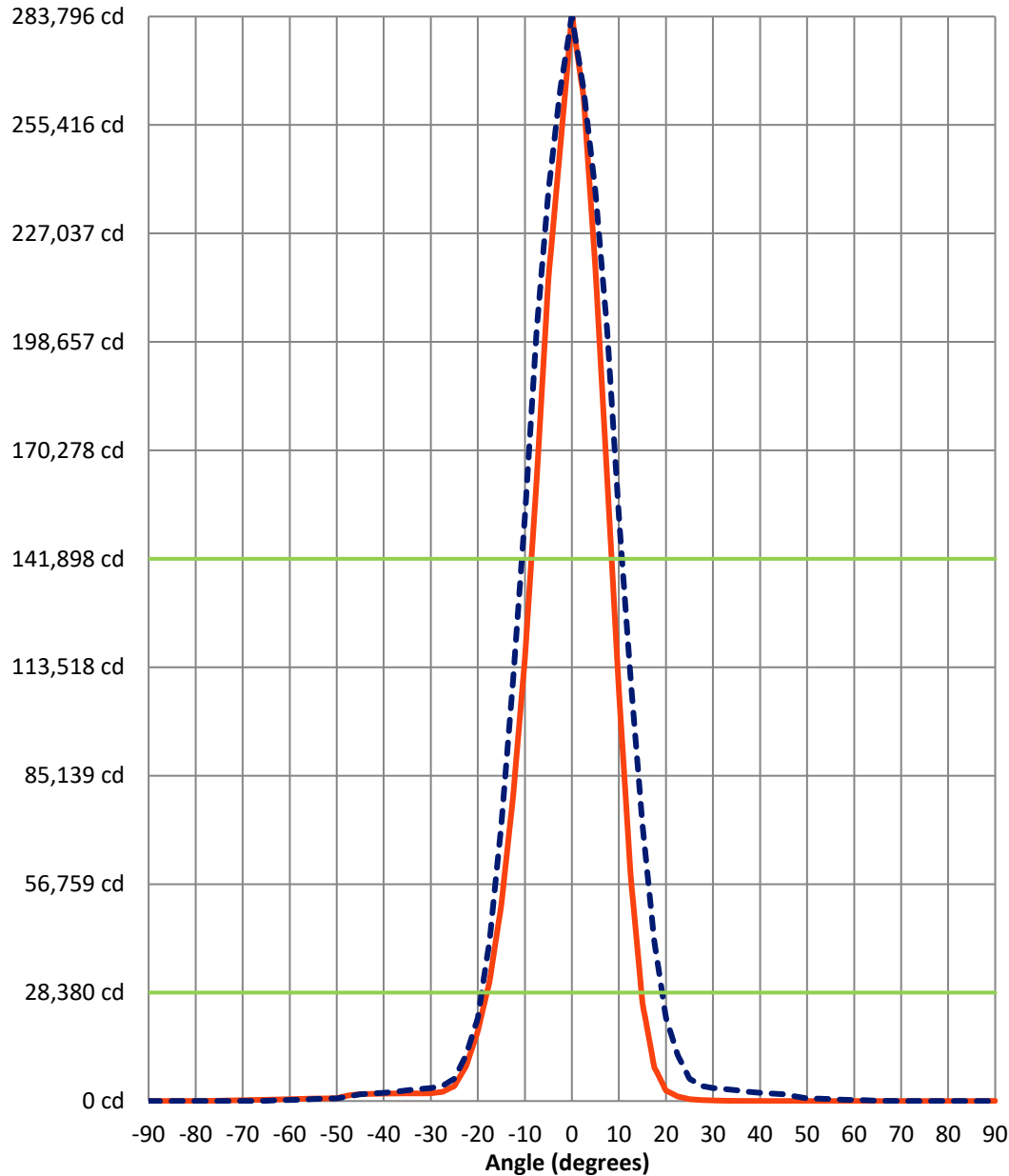
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

### Luminous Intensity Plot



**Beam:**  
H Angle: 21.3°  
V Angle: 17°  
Lumens: 16751.5  
Efficiency: 43.8%

**Field:**  
H Angle: 38.4°  
V Angle: 32.9°  
Lumens: 32423.7  
Efficiency: 84.7%

**Spill:**  
Lumens: 5854.5  
Efficiency: 15.3%

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



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.7	4.7	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.8	7.1
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5	4.3	4.1	4.0
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.8	4.9	4.8	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.9	5.0	4.8	4.7	4.7	4.7	4.8
67.5°	4.7	4.7	4.7	4.8	5.1	5.1	4.8	4.7	4.7	4.9	4.8
65°	4.7	4.7	4.7	5.0	5.2	5.1	4.9	4.7	5.0	5.1	5.0
62.5°	4.7	4.7	4.7	5.1	5.3	5.2	4.9	4.9	5.2	5.3	5.0
60°	4.7	4.7	4.7	5.2	5.5	5.2	4.9	5.2	5.5	5.3	5.1
57.5°	4.7	4.7	4.8	5.3	5.5	5.2	5.2	5.6	5.7	5.4	5.4
55°	4.7	4.7	4.9	5.5	5.5	5.3	5.5	5.9	5.7	5.5	5.9
52.5°	4.7	4.7	5.0	5.6	5.5	5.3	5.8	6.0	5.8	6.0	6.4
50°	4.7	4.7	5.0	5.7	5.6	5.6	6.1	6.1	5.9	6.4	7.4
47.5°	4.7	4.7	5.1	5.8	5.6	5.8	6.4	6.3	6.3	6.9	8.3
45°	4.7	4.7	5.2	5.9	5.6	6.1	6.5	6.5	6.8	7.4	8.9
42.5°	4.7	4.7	5.3	5.9	5.7	6.3	6.7	6.8	7.2	7.8	9.9
40°	4.7	4.7	5.3	5.9	5.8	6.5	6.9	7.1	7.6	8.1	10.7
37.5°	4.7	4.7	5.4	5.9	6.0	6.7	7.1	7.5	8.2	8.9	11.5
35°	4.7	4.7	5.5	6.0	6.1	6.9	7.3	7.9	8.8	10.2	11.9
32.5°	4.7	4.7	5.5	6.0	6.3	7.1	7.6	8.2	9.5	11.5	12.9
30°	4.7	4.7	5.6	6.1	6.4	7.3	7.9	8.6	10.3	12.7	14.1
27.5°	4.7	4.7	5.6	6.1	6.6	7.5	8.2	9.2	11.1	14.0	15.5
25°	4.7	4.7	5.7	6.2	6.7	7.7	8.4	9.8	12.2	15.2	17.2
22.5°	4.7	4.7	5.7	6.3	6.8	7.8	8.7	10.4	13.2	16.5	20.4
20°	4.7	4.7	5.8	6.4	6.9	7.9	8.9	11.0	14.2	17.8	24.0
17.5°	4.7	4.7	5.8	6.5	7.0	8.0	9.2	11.6	15.2	19.2	27.9
15°	4.7	4.7	5.8	6.6	7.0	8.1	9.4	12.2	16.2	20.7	31.9
12.5°	4.7	4.7	5.8	6.7	7.0	8.2	9.6	12.6	17.1	22.2	36.1
10°	4.7	4.7	5.9	6.7	7.1	8.2	9.8	13.1	18.0	24.6	41.0
7.5°	4.7	4.7	5.9	6.8	7.1	8.2	10.0	13.4	18.9	27.4	47.6
5°	4.7	4.7	5.9	6.9	7.1	8.3	10.2	13.7	19.8	30.1	54.1
2.5°	4.7	4.7	5.9	7.0	7.1	8.3	10.4	14.0	20.6	32.8	60.3
0°	4.7	4.7	5.9	7.1	7.1	8.3	10.6	14.2	21.3	35.4	66.1
-2.5°	4.7	4.7	6.0	7.2	7.3	8.5	11.5	17.0	26.8	43.8	76.8
-5°	4.7	4.8	6.0	7.2	7.5	8.8	12.4	19.6	32.1	51.8	86.8
-7.5°	4.7	4.8	6.0	7.3	7.7	9.0	13.2	22.0	37.0	59.3	95.9
-10°	4.7	4.8	6.1	7.4	7.9	9.2	13.9	24.2	41.4	66.1	104.0
-12.5°	4.7	4.8	6.1	7.4	8.1	9.4	14.5	26.0	45.2	72.1	111.0
-15°	4.7	4.9	6.1	7.4	8.2	9.6	15.0	27.4	48.7	77.3	116.7
-17.5°	4.7	4.9	6.2	7.5	8.4	9.8	15.2	28.8	51.7	81.6	121.2
-20°	4.7	4.9	6.2	7.5	8.5	9.9	15.5	30.1	54.0	85.0	124.4



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.9	6.2	7.5	8.6	10.1	15.9	30.8	55.5	87.4	126.2
-25°	4.7	4.9	6.2	7.5	8.7	10.3	16.0	30.7	56.1	88.8	126.4
-27.5°	4.7	4.9	6.2	7.5	8.8	10.5	15.7	30.0	55.7	89.3	127.5
-30°	4.7	5.0	6.2	7.5	8.8	10.6	15.1	28.4	54.7	88.6	127.4
-32.5°	4.7	5.0	6.2	7.5	8.9	10.7	14.2	27.4	52.9	86.7	125.9
-35°	4.7	5.0	6.2	7.5	8.9	10.7	13.8	26.2	49.9	83.4	123.0
-37.5°	4.7	5.0	6.1	7.5	8.9	10.6	13.8	24.5	45.8	78.8	114.3
-40°	4.7	5.0	6.1	7.4	8.9	10.6	13.7	22.3	40.5	73.0	104.3
-42.5°	4.7	5.0	6.1	7.4	8.8	10.6	13.4	19.5	36.3	63.9	93.2
-45°	4.7	5.0	6.0	7.3	8.8	10.5	13.0	17.4	32.4	53.7	81.2
-47.5°	4.7	5.0	6.0	7.3	8.7	10.4	12.5	16.7	27.8	43.0	69.1
-50°	4.7	5.0	6.0	7.2	8.6	10.3	12.2	15.9	22.0	36.4	56.3
-52.5°	4.7	5.0	5.9	7.1	8.4	10.1	12.0	14.9	19.1	29.5	43.5
-55°	4.7	5.0	5.9	7.0	8.3	9.9	11.7	13.9	17.6	22.2	35.3
-57.5°	4.7	5.0	5.8	6.9	8.1	9.6	11.4	13.5	16.0	19.2	26.8
-60°	4.7	5.0	5.7	6.8	7.9	9.4	11.1	12.9	14.6	17.5	20.3
-62.5°	4.7	4.9	5.7	6.6	7.7	9.1	10.7	12.4	13.9	15.8	18.5
-65°	4.7	4.9	5.6	6.5	7.5	8.8	10.2	11.7	13.1	14.6	16.6
-67.5°	4.7	4.9	5.5	6.3	7.3	8.4	9.8	11.1	12.3	13.6	15.2
-70°	4.7	4.9	5.5	6.2	7.0	8.1	9.3	10.6	11.7	12.6	13.9
-72.5°	4.7	4.9	5.4	6.0	6.8	7.7	8.8	10.0	11.1	12.0	12.8
-75°	4.7	4.8	5.3	5.9	6.5	7.3	8.2	9.4	10.5	11.5	12.3
-77.5°	4.7	4.8	5.2	5.8	6.3	6.9	7.7	8.7	9.8	10.8	11.8
-80°	4.7	4.8	5.1	5.6	6.1	6.6	7.1	8.1	9.0	10.0	11.0
-82.5°	4.7	4.8	5.0	5.5	5.9	6.4	6.8	7.5	8.3	9.1	10.0
-85°	4.7	4.8	4.9	5.3	5.7	6.1	6.5	7.1	7.7	8.3	9.0
-87.5°	4.7	4.7	4.8	5.2	5.5	5.9	6.2	6.6	7.1	7.6	8.1
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.1	7.1	7.1	7.1	7.4	7.7	8.0	8.3	8.6	8.8	9.1
87.5°	3.9	3.8	3.7	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7
85°	4.3	4.1	3.9	3.7	3.7	3.7	3.6	3.5	3.4	3.2	3.2
82.5°	4.5	4.4	4.4	4.4	4.3	4.1	3.8	3.5	3.5	3.5	3.5
80°	4.7	4.7	4.7	4.7	4.5	4.2	3.9	3.6	3.5	3.5	3.6
77.5°	4.7	4.7	4.7	4.7	4.5	4.3	4.2	4.2	4.2	4.1	3.9
75°	4.7	4.7	4.7	4.7	4.6	4.6	4.7	4.7	4.6	4.5	4.5
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.7	7.0	7.9
70°	4.7	4.7	4.7	4.7	4.7	5.1	6.9	9.2	11.5	12.8	14.3
67.5°	4.7	4.7	4.7	4.9	6.2	8.1	10.7	15.7	21.3	23.0	22.9
65°	4.7	4.7	5.3	6.5	8.1	12.1	17.4	24.1	29.1	28.3	26.3
62.5°	4.7	5.3	6.4	8.4	11.7	16.7	21.7	26.6	31.6	30.2	25.7
60°	5.2	5.9	8.1	11.5	15.0	18.5	23.4	26.5	29.1	29.2	22.5
57.5°	5.8	7.3	10.6	14.0	16.8	19.0	21.0	23.4	24.3	23.7	17.3
55°	6.7	9.2	12.6	15.7	17.6	16.6	17.5	18.1	17.8	16.3	11.3
52.5°	8.2	10.9	14.3	16.9	16.9	14.8	13.2	13.2	12.1	9.9	8.4
50°	9.5	12.6	15.9	17.3	16.0	12.7	10.0	9.7	8.9	7.9	7.1
47.5°	10.8	14.2	17.1	17.6	14.4	11.7	9.3	8.4	7.9	7.7	7.4
45°	12.1	15.1	18.2	16.3	13.5	11.6	9.9	8.3	8.4	8.4	8.0
42.5°	13.2	15.8	17.2	15.2	13.8	12.5	11.3	10.1	9.4	9.6	9.6
40°	13.6	16.2	16.3	15.9	14.7	14.2	14.1	13.1	11.2	12.1	12.4
37.5°	13.8	16.0	16.7	18.0	16.6	17.1	17.6	17.9	16.5	15.6	17.9
35°	13.8	16.3	19.6	21.4	20.5	21.0	23.1	23.9	23.3	23.0	27.3
32.5°	14.1	17.1	23.5	25.7	27.1	27.8	29.6	31.3	32.9	35.6	43.7
30°	15.7	20.8	28.2	30.6	35.2	40.3	39.0	39.9	44.3	60.3	74.2
27.5°	19.1	25.8	32.8	37.9	45.6	56.4	58.0	53.3	67.3	91.7	114.6
25°	23.3	41.5	37.9	46.8	61.3	75.7	82.4	85.6	102.0	135.0	160.7
22.5°	32.0	62.6	61.0	56.4	79.3	98.2	114.8	147.8	194.1	204.5	210.0
20°	47.3	83.4	89.3	94.0	106.5	123.5	152.3	231.1	329.8	366.1	328.4
17.5°	65.6	106.2	120.9	142.6	170.8	176.2	199.9	330.6	500.2	559.4	570.9
15°	86.0	130.6	154.5	196.9	239.7	260.2	329.1	491.5	686.8	783.5	850.5
12.5°	108.0	156.3	189.6	255.6	312.3	344.6	491.7	739.2	926.7	1039.7	1216.5
10°	130.7	182.7	225.6	317.3	387.4	429.0	671.2	995.0	1184.0	1312.4	1539.9
7.5°	154.4	208.1	261.2	380.3	463.8	512.9	860.3	1253.2	1434.5	1574.5	1803.7
5°	177.1	231.5	293.0	433.3	527.2	585.6	1035.5	1506.5	1677.9	1826.3	2031.5
2.5°	197.9	254.0	323.8	482.0	580.4	640.4	1135.2	1651.2	1833.0	2009.6	2234.5
0°	216.1	275.1	353.0	526.6	630.5	693.1	1216.2	1777.0	1964.8	2157.2	2426.4
-2.5°	218.8	281.5	362.0	522.5	621.2	685.0	1195.0	1757.6	1985.9	2210.5	2491.5
-5°	218.6	286.2	368.7	514.3	609.0	674.5	1153.4	1713.3	1978.3	2200.9	2464.8
-7.5°	216.1	289.0	372.8	502.2	590.2	650.9	1073.5	1604.2	1882.0	2078.2	2331.7
-10°	211.8	288.0	367.1	481.6	563.5	618.9	971.4	1475.4	1780.8	1952.9	2178.3
-12.5°	206.3	283.9	358.4	459.6	537.4	586.3	852.9	1329.4	1677.2	1828.4	2012.8
-15°	199.9	278.7	348.0	437.0	512.9	553.3	719.4	1168.4	1574.9	1731.9	1876.3
-17.5°	193.1	272.7	336.3	414.6	491.0	520.5	575.4	992.9	1429.3	1626.9	1773.3
-20°	186.4	265.8	323.4	393.1	470.2	498.9	534.5	824.1	1217.5	1505.6	1660.5



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	180.1	258.4	311.2	375.4	446.8	487.1	514.5	659.1	994.0	1370.1	1540.1
-25°	177.6	247.4	301.1	359.1	424.5	476.2	496.1	520.3	790.3	1150.7	1418.2
-27.5°	177.1	238.1	289.9	341.4	402.4	462.1	482.8	500.7	638.2	930.4	1277.1
-30°	174.7	225.6	277.3	323.9	381.1	437.1	472.5	492.3	523.2	749.0	1037.6
-32.5°	167.1	212.3	262.6	308.9	359.1	413.1	464.1	488.3	513.7	575.8	817.6
-35°	157.1	200.1	246.8	292.5	336.5	389.7	442.1	485.1	504.2	533.1	633.9
-37.5°	147.8	186.7	230.6	274.9	317.5	365.5	418.6	466.8	500.2	522.6	558.5
-40°	137.2	172.0	214.4	256.9	297.8	341.5	390.7	440.5	485.7	524.2	551.8
-42.5°	125.4	159.0	197.1	238.1	276.6	317.9	361.4	409.7	460.9	513.6	552.9
-45°	112.0	144.6	179.0	216.2	253.5	292.3	333.5	376.8	428.7	482.4	534.8
-47.5°	97.4	128.8	161.4	192.9	228.3	264.8	303.3	345.7	391.6	442.5	496.3
-50°	82.1	111.3	141.7	170.7	201.4	235.5	271.0	311.6	354.3	399.0	447.2
-52.5°	67.0	92.5	120.7	148.7	175.8	204.8	238.2	274.7	314.0	355.2	395.6
-55°	51.3	74.5	98.7	125.1	151.3	176.4	204.2	237.1	270.8	308.2	343.9
-57.5°	39.3	56.2	77.6	100.3	124.9	149.6	174.5	199.4	229.1	260.2	289.6
-60°	29.5	41.2	57.1	76.8	97.2	120.4	144.9	168.3	191.0	212.5	237.9
-62.5°	20.9	30.0	40.7	54.0	71.9	90.4	111.5	134.0	156.9	175.5	192.5
-65°	18.9	21.0	28.2	37.8	47.4	63.6	80.4	97.1	116.7	134.6	151.5
-67.5°	16.9	18.8	20.7	24.0	32.7	41.9	51.3	66.0	80.6	93.5	106.3
-70°	15.4	16.7	18.3	20.0	21.8	25.7	33.9	42.0	50.2	59.7	70.9
-72.5°	14.0	15.3	16.5	17.5	19.0	20.9	22.9	25.0	29.7	36.3	43.0
-75°	13.0	13.9	15.1	16.1	17.0	18.1	19.4	21.1	22.7	24.2	25.4
-77.5°	12.3	12.9	13.7	14.7	15.4	16.0	16.8	17.7	18.9	20.1	21.4
-80°	11.4	11.8	12.2	12.8	13.3	13.8	14.2	14.7	15.3	16.2	17.1
-82.5°	10.3	10.6	10.9	11.1	11.3	11.6	11.9	12.2	12.6	13.0	13.5
-85°	9.2	9.4	9.6	9.8	9.7	9.7	9.7	9.8	10.0	10.2	10.4
-87.5°	8.2	8.2	8.3	8.4	8.5	8.4	8.4	8.3	8.4	8.4	8.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.4	9.4	9.4	9.4	9.4	12.6	15.9	19.1	22.4	28.0	33.6
87.5°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.1	3.0	2.8	2.6	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	3.5	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.3	1.2
80°	3.5	3.3	3.0	2.7	2.4	2.3	2.3	2.2	2.2	2.3	2.3
77.5°	3.7	3.5	3.2	2.9	2.5	2.4	2.4	2.4	2.4	2.2	1.9
75°	4.6	4.5	4.4	4.1	3.6	3.4	3.2	2.9	2.5	2.4	2.3
72.5°	8.3	8.3	7.9	7.4	6.5	6.0	5.8	5.5	5.2	5.1	5.0
70°	14.8	14.6	13.7	12.2	9.9	8.4	7.7	7.0	6.2	5.9	5.8
67.5°	20.9	18.6	16.4	14.0	11.2	9.1	8.0	6.8	5.6	5.0	4.9
65°	23.2	18.6	15.3	12.7	10.7	8.8	7.2	5.8	4.5	3.9	4.1
62.5°	20.8	15.3	11.9	9.7	8.1	6.9	5.6	4.6	3.9	3.5	3.6
60°	16.5	11.1	8.2	6.9	5.7	4.8	4.2	3.6	3.1	2.8	2.9
57.5°	11.9	8.0	5.8	5.3	4.7	3.9	3.3	3.2	3.1	3.1	3.3
55°	8.1	6.7	5.9	5.3	4.6	3.9	3.5	3.5	3.5	3.5	3.5
52.5°	6.8	6.4	6.0	5.5	4.8	4.1	3.5	3.5	3.5	3.5	3.5
50°	6.8	6.5	6.1	5.7	5.0	4.3	3.6	3.6	3.9	4.2	4.2
47.5°	6.9	6.6	6.4	5.9	5.4	5.1	4.7	4.8	5.2	5.4	5.3
45°	7.3	7.3	7.2	7.1	6.6	6.7	6.8	6.9	8.4	8.3	7.4
42.5°	8.9	9.5	10.0	10.3	8.8	11.4	15.5	17.4	15.3	12.3	10.4
40°	13.4	14.0	16.7	18.1	22.2	26.2	22.6	18.3	16.4	17.8	18.9
37.5°	21.2	25.2	30.7	37.1	34.5	27.4	27.6	27.6	26.9	29.2	29.1
35°	35.6	44.6	50.0	48.8	45.2	43.1	45.0	47.1	42.5	46.6	47.7
32.5°	57.2	68.0	69.5	65.8	66.0	69.5	76.0	75.1	76.5	81.2	86.6
30°	82.6	95.4	100.4	93.7	88.8	97.3	100.9	104.2	114.7	128.4	140.7
27.5°	124.4	133.7	142.3	135.2	121.1	131.6	139.1	136.8	165.7	181.1	215.6
25°	176.7	190.0	194.9	197.5	192.7	190.7	209.4	218.9	258.8	301.1	372.8
22.5°	241.3	277.6	287.8	274.4	289.5	300.1	312.8	355.4	435.1	564.7	749.7
20°	323.3	397.3	456.9	447.3	411.8	457.2	508.6	643.0	875.8	1399.2	1827.5
17.5°	582.8	584.1	703.2	751.1	692.6	791.1	1043.3	1480.7	2442.8	4208.3	5353.0
15°	983.8	1010.3	1065.1	1129.3	1234.6	1491.8	2000.0	3832.9	6593.2	10412.2	14331.1
12.5°	1408.9	1468.8	1562.5	1615.0	1830.0	2518.3	4698.2	8711.7	14538.1	21890.3	34086.2
10°	1774.2	1933.6	2054.4	2218.6	2773.1	4389.9	8151.4	15086.5	26830.9	42693.0	61439.9
7.5°	2032.5	2265.7	2470.0	2778.8	3930.3	7189.5	13498.4	25035.5	42775.0	65175.3	91017.9
5°	2292.3	2587.4	2816.5	3223.4	4669.4	9289.5	17684.9	34357.6	59973.1	90467.0	125028.9
2.5°	2556.2	2888.0	3140.4	3643.8	5142.2	10354.2	19808.9	39920.9	71345.2	108475.3	150436.1
0°	2822.0	3136.1	3401.7	3970.9	5876.6	12029.5	21809.7	42044.2	72404.9	110305.8	152897.9
-2.5°	2809.8	3017.1	3260.4	3701.4	5360.4	11073.7	20271.3	39734.7	68543.2	103698.3	142322.9
-5°	2702.9	2848.6	3041.3	3431.1	4795.6	9230.4	17532.1	33965.5	60538.9	92747.1	126039.5
-7.5°	2536.9	2659.1	2803.2	3124.9	4144.5	7346.7	14181.5	27242.1	48024.1	71358.6	96887.7
-10°	2377.7	2471.9	2574.3	2797.3	3452.5	5384.5	10060.7	18459.3	33430.1	50886.7	70314.7
-12.5°	2230.9	2306.1	2360.5	2454.8	2781.2	3900.1	7233.6	13239.6	21840.0	32653.5	46985.5
-15°	2081.4	2145.2	2173.3	2248.9	2462.4	3016.2	4360.0	8138.0	13652.8	20636.0	27903.0
-17.5°	1920.9	1996.6	2038.9	2087.5	2180.5	2409.9	3151.4	4740.0	8074.1	12762.2	17442.7
-20°	1788.9	1878.1	1914.3	1948.1	2033.8	2168.6	2380.3	3094.6	4312.4	7232.2	10142.7



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1661.3	1741.7	1788.9	1861.4	1972.3	2065.6	2135.0	2305.1	2810.9	3607.6	5030.0
-25°	1545.3	1614.9	1708.1	1847.3	1955.8	2022.5	2035.6	2042.9	2187.1	2345.2	2825.4
-27.5°	1428.5	1527.1	1665.9	1822.9	1951.9	1984.4	1986.1	1983.7	2018.1	2042.0	2161.5
-30°	1324.5	1453.6	1584.6	1752.2	1877.8	1930.6	1953.0	1968.4	1986.1	2008.0	2015.9
-32.5°	1112.4	1376.2	1482.3	1616.6	1774.7	1858.3	1900.3	1936.2	1955.8	1974.8	1989.9
-35°	879.4	1157.8	1411.0	1497.7	1610.0	1751.6	1857.1	1900.0	1936.1	1956.5	1975.5
-37.5°	661.4	900.1	1146.2	1376.8	1491.5	1591.6	1726.4	1831.3	1897.6	1923.8	1946.7
-40°	582.8	644.8	862.2	1073.8	1275.8	1466.5	1578.5	1705.4	1806.6	1858.0	1897.8
-42.5°	579.8	602.6	624.7	773.3	961.0	1144.9	1318.8	1481.6	1631.9	1734.0	1809.7
-45°	579.2	595.5	614.0	636.1	658.5	802.1	962.8	1124.4	1289.3	1444.0	1582.6
-47.5°	541.5	581.9	604.1	621.9	636.7	655.7	677.3	718.2	852.4	987.6	1123.2
-50°	489.9	530.3	567.2	602.6	620.5	632.8	644.6	658.1	675.0	692.1	709.5
-52.5°	432.1	470.4	508.1	541.8	570.9	598.8	625.4	637.5	646.5	654.8	661.9
-55°	378.1	411.1	443.0	472.9	501.8	529.1	553.9	575.2	594.9	612.8	626.8
-57.5°	320.9	352.2	381.9	407.0	431.1	453.9	475.9	496.3	514.8	531.1	544.7
-60°	263.5	289.2	315.2	339.2	362.0	383.6	401.8	418.6	434.0	448.1	461.0
-62.5°	209.4	229.5	251.4	271.6	289.7	307.2	326.7	343.4	357.7	370.1	381.7
-65°	167.0	181.3	197.1	212.4	227.1	243.8	262.1	278.1	292.0	303.5	313.4
-67.5°	120.6	134.6	149.7	163.5	176.3	190.2	207.1	223.0	237.9	249.9	259.6
-70°	81.2	91.1	102.5	114.8	127.2	140.3	155.1	169.4	183.3	194.3	203.5
-72.5°	49.9	56.4	62.9	71.1	79.6	89.7	101.0	112.5	124.0	133.3	141.3
-75°	26.6	28.8	33.7	38.4	42.8	48.4	54.2	59.6	64.6	69.2	73.4
-77.5°	22.7	23.6	24.5	25.3	26.0	28.3	31.1	34.0	37.0	40.1	43.2
-80°	18.0	18.8	19.5	20.2	20.9	22.6	24.5	26.4	28.2	30.3	32.4
-82.5°	13.9	14.3	14.6	14.9	15.2	16.5	17.9	19.2	20.6	22.3	24.0
-85°	10.5	10.7	10.9	11.0	11.1	12.2	13.2	14.2	15.1	16.9	18.7
-87.5°	8.5	8.5	8.4	8.4	8.4	9.7	11.0	12.2	13.3	14.8	16.2
-90°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	0.9	0.6



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	39.3	44.9	47.8	50.8	47.8	44.9	39.3	33.6	28.0	22.4	19.1
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.6
80°	2.4	2.4	1.8	1.2	1.8	2.4	2.4	2.3	2.3	2.2	2.2
77.5°	1.6	1.2	1.8	2.4	1.8	1.2	1.6	1.9	2.2	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.9
72.5°	4.9	4.7	4.7	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.5
70°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.9	6.2	7.0
67.5°	4.8	4.7	4.2	3.5	4.2	4.7	4.8	4.9	5.0	5.6	6.8
65°	4.3	4.6	4.2	3.5	4.2	4.6	4.3	4.1	3.9	4.5	5.8
62.5°	3.6	3.6	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.9	4.6
60°	3.1	3.4	3.5	3.5	3.5	3.4	3.1	2.9	2.8	3.1	3.6
57.5°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.1	3.2
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
50°	4.0	3.7	3.5	3.5	3.5	3.7	4.0	4.2	4.2	3.9	3.6
47.5°	5.1	4.8	4.7	4.7	4.7	4.8	5.1	5.3	5.4	5.2	4.8
45°	7.3	7.1	7.0	7.1	7.0	7.1	7.3	7.4	8.3	8.4	6.9
42.5°	10.6	10.6	10.5	10.6	10.5	10.6	10.6	10.4	12.3	15.3	17.4
40°	19.8	20.0	19.6	18.9	19.6	20.0	19.8	18.9	17.8	16.4	18.3
37.5°	29.0	29.2	29.2	29.5	29.2	29.2	29.0	29.1	29.2	26.9	27.6
35°	47.0	45.8	43.3	43.7	43.3	45.8	47.0	47.7	46.6	42.5	47.1
32.5°	90.0	88.7	83.8	87.4	83.8	88.7	90.0	86.6	81.2	76.5	75.1
30°	151.4	157.4	160.0	159.4	160.0	157.4	151.4	140.7	128.4	114.7	104.2
27.5°	233.2	246.5	254.8	259.8	254.8	246.5	233.2	215.6	181.1	165.7	136.8
25°	424.3	457.2	475.8	500.6	475.8	457.2	424.3	372.8	301.1	258.8	218.9
22.5°	948.8	1067.8	1143.5	1197.3	1143.5	1067.8	948.8	749.7	564.7	435.1	355.4
20°	2461.5	2451.7	2649.1	2755.9	2649.1	2451.7	2461.5	1827.5	1399.2	875.8	643.0
17.5°	7705.2	8929.8	9240.5	8974.9	9240.5	8929.8	7705.2	5353.0	4208.3	2442.8	1480.7
15°	19805.8	23896.1	25791.6	25765.2	25791.6	23896.1	19805.8	14331.1	10412.2	6593.2	3832.9
12.5°	42708.6	50608.1	55766.1	58886.5	55766.1	50608.1	42708.6	34086.2	21890.3	14538.1	8711.7
10°	77506.3	91038.7	101829.8	107251.2	101829.8	91038.7	77506.3	61439.9	42693.0	26830.9	15086.5
7.5°	114862.7	136758.4	155246.8	162921.3	155246.8	136758.4	114862.7	91017.9	65175.3	42775.0	25035.5
5°	158139.5	192979.0	210282.6	217738.9	210282.6	192979.0	158139.5	125028.9	90467.0	59973.1	34357.6
2.5°	194345.3	229085.1	253270.5	262462.2	253270.5	229085.1	194345.3	150436.1	108475.3	71345.2	39920.9
0°	201592.7	237909.6	264527.9	283796.0	264527.9	237909.6	201592.7	152897.9	110305.8	72404.9	42044.2
-2.5°	186199.8	221684.8	241134.4	249283.3	241134.4	221684.8	186199.8	142322.9	103698.3	68543.2	39734.7
-5°	161870.1	193364.8	211346.7	214958.2	211346.7	193364.8	161870.1	126039.5	92747.1	60538.9	33965.5
-7.5°	123697.9	145499.6	159682.8	162545.8	159682.8	145499.6	123697.9	96887.7	71358.6	48024.1	27242.1
-10°	89958.4	105677.5	114785.9	115771.5	114785.9	105677.5	89958.4	70314.7	50886.7	33430.1	18459.3
-12.5°	60105.9	72422.8	78864.7	79795.8	78864.7	72422.8	60105.9	46985.5	32653.5	21840.0	13239.6
-15°	37665.2	45676.8	50407.9	51433.5	50407.9	45676.8	37665.2	27903.0	20636.0	13652.8	8138.0
-17.5°	23207.4	27259.9	29741.5	31382.0	29741.5	27259.9	23207.4	17442.7	12762.2	8074.1	4740.0
-20°	13569.8	16197.7	17672.4	18343.0	17672.4	16197.7	13569.8	10142.7	7232.2	4312.4	3094.6



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6812.6	8109.1	8992.1	9126.0	8992.1	8109.1	6812.6	5030.0	3607.6	2810.9	2305.1
-25°	3304.0	3665.1	3912.9	3927.2	3912.9	3665.1	3304.0	2825.4	2345.2	2187.1	2042.9
-27.5°	2259.2	2334.3	2382.9	2411.1	2382.9	2334.3	2259.2	2161.5	2042.0	2018.1	1983.7
-30°	2024.2	2035.5	2042.4	2033.3	2042.4	2035.5	2024.2	2015.9	2008.0	1986.1	1968.4
-32.5°	1994.9	2000.2	2003.9	1997.8	2003.9	2000.2	1994.9	1989.9	1974.8	1955.8	1936.2
-35°	1992.7	2007.3	2018.6	2015.5	2018.6	2007.3	1992.7	1975.5	1956.5	1936.1	1900.0
-37.5°	1963.4	1976.2	1984.8	1984.8	1984.8	1976.2	1963.4	1946.7	1923.8	1897.6	1831.3
-40°	1920.0	1937.5	1948.3	1948.2	1948.3	1937.5	1920.0	1897.8	1858.0	1806.6	1705.4
-42.5°	1845.9	1870.4	1882.0	1880.9	1882.0	1870.4	1845.9	1809.7	1734.0	1631.9	1481.6
-45°	1686.8	1765.8	1808.2	1812.5	1808.2	1765.8	1686.8	1582.6	1444.0	1289.3	1124.4
-47.5°	1256.8	1378.6	1453.3	1470.0	1453.3	1378.6	1256.8	1123.2	987.6	852.4	718.2
-50°	726.8	743.1	750.0	747.4	750.0	743.1	726.8	709.5	692.1	675.0	658.1
-52.5°	668.7	675.3	680.2	683.7	680.2	675.3	668.7	661.9	654.8	646.5	637.5
-55°	638.2	647.0	652.6	655.3	652.6	647.0	638.2	626.8	612.8	594.9	575.2
-57.5°	555.9	564.7	569.6	571.5	569.6	564.7	555.9	544.7	531.1	514.8	496.3
-60°	471.7	480.3	485.3	487.7	485.3	480.3	471.7	461.0	448.1	434.0	418.6
-62.5°	391.6	399.7	404.6	407.4	404.6	399.7	391.6	381.7	370.1	357.7	343.4
-65°	322.2	329.9	334.0	336.5	334.0	329.9	322.2	313.4	303.5	292.0	278.1
-67.5°	268.2	275.9	280.9	284.6	280.9	275.9	268.2	259.6	249.9	237.9	223.0
-70°	211.8	219.3	222.1	223.2	222.1	219.3	211.8	203.5	194.3	183.3	169.4
-72.5°	148.4	154.6	158.8	161.8	158.8	154.6	148.4	141.3	133.3	124.0	112.5
-75°	77.2	80.6	83.0	85.0	83.0	80.6	77.2	73.4	69.2	64.6	59.6
-77.5°	46.2	49.2	50.7	52.0	50.7	49.2	46.2	43.2	40.1	37.0	34.0
-80°	34.4	36.4	37.2	37.8	37.2	36.4	34.4	32.4	30.3	28.2	26.4
-82.5°	25.6	27.1	27.7	28.3	27.7	27.1	25.6	24.0	22.3	20.6	19.2
-85°	20.6	22.4	23.0	23.6	23.0	22.4	20.6	18.7	16.9	15.1	14.2
-87.5°	17.6	19.0	20.1	21.3	20.1	19.0	17.6	16.2	14.8	13.3	12.2
-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: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.9	12.6	9.4	9.4	9.4	9.4	9.4	9.1	8.8	8.6	8.3
87.5°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5
85°	2.3	2.4	2.4	2.6	2.8	3.0	3.1	3.2	3.2	3.4	3.5
82.5°	1.9	2.2	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5
80°	2.3	2.3	2.4	2.7	3.0	3.3	3.5	3.6	3.5	3.5	3.6
77.5°	2.4	2.4	2.5	2.9	3.2	3.5	3.7	3.9	4.1	4.2	4.2
75°	3.2	3.4	3.6	4.1	4.4	4.5	4.6	4.5	4.5	4.6	4.7
72.5°	5.8	6.0	6.5	7.4	7.9	8.3	8.3	7.9	7.0	5.7	4.7
70°	7.7	8.4	9.9	12.2	13.7	14.6	14.8	14.3	12.8	11.5	9.2
67.5°	8.0	9.1	11.2	14.0	16.4	18.6	20.9	22.9	23.0	21.3	15.7
65°	7.2	8.8	10.7	12.7	15.3	18.6	23.2	26.3	28.3	29.1	24.1
62.5°	5.6	6.9	8.1	9.7	11.9	15.3	20.8	25.7	30.2	31.6	26.6
60°	4.2	4.8	5.7	6.9	8.2	11.1	16.5	22.5	29.2	29.1	26.5
57.5°	3.3	3.9	4.7	5.3	5.8	8.0	11.9	17.3	23.7	24.3	23.4
55°	3.5	3.9	4.6	5.3	5.9	6.7	8.1	11.3	16.3	17.8	18.1
52.5°	3.5	4.1	4.8	5.5	6.0	6.4	6.8	8.4	9.9	12.1	13.2
50°	3.6	4.3	5.0	5.7	6.1	6.5	6.8	7.1	7.9	8.9	9.7
47.5°	4.7	5.1	5.4	5.9	6.4	6.6	6.9	7.4	7.7	7.9	8.4
45°	6.8	6.7	6.6	7.1	7.2	7.3	7.3	8.0	8.4	8.4	8.3
42.5°	15.5	11.4	8.8	10.3	10.0	9.5	8.9	9.6	9.6	9.4	10.1
40°	22.6	26.2	22.2	18.1	16.7	14.0	13.4	12.4	12.1	11.2	13.1
37.5°	27.6	27.4	34.5	37.1	30.7	25.2	21.2	17.9	15.6	16.5	17.9
35°	45.0	43.1	45.2	48.8	50.0	44.6	35.6	27.3	23.0	23.3	23.9
32.5°	76.0	69.5	66.0	65.8	69.5	68.0	57.2	43.7	35.6	32.9	31.3
30°	100.9	97.3	88.8	93.7	100.4	95.4	82.6	74.2	60.3	44.3	39.9
27.5°	139.1	131.6	121.1	135.2	142.3	133.7	124.4	114.6	91.7	67.3	53.3
25°	209.4	190.7	192.7	197.5	194.9	190.0	176.7	160.7	135.0	102.0	85.6
22.5°	312.8	300.1	289.5	274.4	287.8	277.6	241.3	210.0	204.5	194.1	147.8
20°	508.6	457.2	411.8	447.3	456.9	397.3	323.3	328.4	366.1	329.8	231.1
17.5°	1043.3	791.1	692.6	751.1	703.2	584.1	582.8	570.9	559.4	500.2	330.6
15°	2000.0	1491.8	1234.6	1129.3	1065.1	1010.3	983.8	850.5	783.5	686.8	491.5
12.5°	4698.2	2518.3	1830.0	1615.0	1562.5	1468.8	1408.9	1216.5	1039.7	926.7	739.2
10°	8151.4	4389.9	2773.1	2218.6	2054.4	1933.6	1774.2	1539.9	1312.4	1184.0	995.0
7.5°	13498.4	7189.5	3930.3	2778.8	2470.0	2265.7	2032.5	1803.7	1574.5	1434.5	1253.2
5°	17684.9	9289.5	4669.4	3223.4	2816.5	2587.4	2292.3	2031.5	1826.3	1677.9	1506.5
2.5°	19808.9	10354.2	5142.2	3643.8	3140.4	2888.0	2556.2	2234.5	2009.6	1833.0	1651.2
0°	21809.7	12029.5	5876.6	3970.9	3401.7	3136.1	2822.0	2426.4	2157.2	1964.8	1777.0
-2.5°	20271.3	11073.7	5360.4	3701.4	3260.4	3017.1	2809.8	2491.5	2210.5	1985.9	1757.6
-5°	17532.1	9230.4	4795.6	3431.1	3041.3	2848.6	2702.9	2464.8	2200.9	1978.3	1713.3
-7.5°	14181.5	7346.7	4144.5	3124.9	2803.2	2659.1	2536.9	2331.7	2078.2	1882.0	1604.2
-10°	10060.7	5384.5	3452.5	2797.3	2574.3	2471.9	2377.7	2178.3	1952.9	1780.8	1475.4
-12.5°	7233.6	3900.1	2781.2	2454.8	2360.5	2306.1	2230.9	2012.8	1828.4	1677.2	1329.4
-15°	4360.0	3016.2	2462.4	2248.9	2173.3	2145.2	2081.4	1876.3	1731.9	1574.9	1168.4
-17.5°	3151.4	2409.9	2180.5	2087.5	2038.9	1996.6	1920.9	1773.3	1626.9	1429.3	992.9
-20°	2380.3	2168.6	2033.8	1948.1	1914.3	1878.1	1788.9	1660.5	1505.6	1217.5	824.1



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2135.0	2065.6	1972.3	1861.4	1788.9	1741.7	1661.3	1540.1	1370.1	994.0	659.1
-25°	2035.6	2022.5	1955.8	1847.3	1708.1	1614.9	1545.3	1418.2	1150.7	790.3	520.3
-27.5°	1986.1	1984.4	1951.9	1822.9	1665.9	1527.1	1428.5	1277.1	930.4	638.2	500.7
-30°	1953.0	1930.6	1877.8	1752.2	1584.6	1453.6	1324.5	1037.6	749.0	523.2	492.3
-32.5°	1900.3	1858.3	1774.7	1616.6	1482.3	1376.2	1112.4	817.6	575.8	513.7	488.3
-35°	1857.1	1751.6	1610.0	1497.7	1411.0	1157.8	879.4	633.9	533.1	504.2	485.1
-37.5°	1726.4	1591.6	1491.5	1376.8	1146.2	900.1	661.4	558.5	522.6	500.2	466.8
-40°	1578.5	1466.5	1275.8	1073.8	862.2	644.8	582.8	551.8	524.2	485.7	440.5
-42.5°	1318.8	1144.9	961.0	773.3	624.7	602.6	579.8	552.9	513.6	460.9	409.7
-45°	962.8	802.1	658.5	636.1	614.0	595.5	579.2	534.8	482.4	428.7	376.8
-47.5°	677.3	655.7	636.7	621.9	604.1	581.9	541.5	496.3	442.5	391.6	345.7
-50°	644.6	632.8	620.5	602.6	567.2	530.3	489.9	447.2	399.0	354.3	311.6
-52.5°	625.4	598.8	570.9	541.8	508.1	470.4	432.1	395.6	355.2	314.0	274.7
-55°	553.9	529.1	501.8	472.9	443.0	411.1	378.1	343.9	308.2	270.8	237.1
-57.5°	475.9	453.9	431.1	407.0	381.9	352.2	320.9	289.6	260.2	229.1	199.4
-60°	401.8	383.6	362.0	339.2	315.2	289.2	263.5	237.9	212.5	191.0	168.3
-62.5°	326.7	307.2	289.7	271.6	251.4	229.5	209.4	192.5	175.5	156.9	134.0
-65°	262.1	243.8	227.1	212.4	197.1	181.3	167.0	151.5	134.6	116.7	97.1
-67.5°	207.1	190.2	176.3	163.5	149.7	134.6	120.6	106.3	93.5	80.6	66.0
-70°	155.1	140.3	127.2	114.8	102.5	91.1	81.2	70.9	59.7	50.2	42.0
-72.5°	101.0	89.7	79.6	71.1	62.9	56.4	49.9	43.0	36.3	29.7	25.0
-75°	54.2	48.4	42.8	38.4	33.7	28.8	26.6	25.4	24.2	22.7	21.1
-77.5°	31.1	28.3	26.0	25.3	24.5	23.6	22.7	21.4	20.1	18.9	17.7
-80°	24.5	22.6	20.9	20.2	19.5	18.8	18.0	17.1	16.2	15.3	14.7
-82.5°	17.9	16.5	15.2	14.9	14.6	14.3	13.9	13.5	13.0	12.6	12.2
-85°	13.2	12.2	11.1	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.8
-87.5°	11.0	9.7	8.4	8.4	8.4	8.5	8.5	8.5	8.4	8.4	8.3
-90°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.0	7.7	7.4	7.1	7.1	7.1	7.1	7.1	6.8	6.5	6.2
87.5°	3.5	3.5	3.5	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.5
85°	3.6	3.7	3.7	3.7	3.9	4.1	4.3	4.5	4.5	4.5	4.6
82.5°	3.8	4.1	4.3	4.4	4.4	4.4	4.5	4.7	4.7	4.7	4.7
80°	3.9	4.2	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.2	4.3	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	6.9	5.1	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7
67.5°	10.7	8.1	6.2	4.9	4.7	4.7	4.7	4.8	4.9	4.7	4.7
65°	17.4	12.1	8.1	6.5	5.3	4.7	4.7	5.0	5.1	5.0	4.7
62.5°	21.7	16.7	11.7	8.4	6.4	5.3	4.7	5.0	5.3	5.2	4.9
60°	23.4	18.5	15.0	11.5	8.1	5.9	5.2	5.1	5.3	5.5	5.2
57.5°	21.0	19.0	16.8	14.0	10.6	7.3	5.8	5.4	5.4	5.7	5.6
55°	17.5	16.6	17.6	15.7	12.6	9.2	6.7	5.9	5.5	5.7	5.9
52.5°	13.2	14.8	16.9	16.9	14.3	10.9	8.2	6.4	6.0	5.8	6.0
50°	10.0	12.7	16.0	17.3	15.9	12.6	9.5	7.4	6.4	5.9	6.1
47.5°	9.3	11.7	14.4	17.6	17.1	14.2	10.8	8.3	6.9	6.3	6.3
45°	9.9	11.6	13.5	16.3	18.2	15.1	12.1	8.9	7.4	6.8	6.5
42.5°	11.3	12.5	13.8	15.2	17.2	15.8	13.2	9.9	7.8	7.2	6.8
40°	14.1	14.2	14.7	15.9	16.3	16.2	13.6	10.7	8.1	7.6	7.1
37.5°	17.6	17.1	16.6	18.0	16.7	16.0	13.8	11.5	8.9	8.2	7.5
35°	23.1	21.0	20.5	21.4	19.6	16.3	13.8	11.9	10.2	8.8	7.9
32.5°	29.6	27.8	27.1	25.7	23.5	17.1	14.1	12.9	11.5	9.5	8.2
30°	39.0	40.3	35.2	30.6	28.2	20.8	15.7	14.1	12.7	10.3	8.6
27.5°	58.0	56.4	45.6	37.9	32.8	25.8	19.1	15.5	14.0	11.1	9.2
25°	82.4	75.7	61.3	46.8	37.9	41.5	23.3	17.2	15.2	12.2	9.8
22.5°	114.8	98.2	79.3	56.4	61.0	62.6	32.0	20.4	16.5	13.2	10.4
20°	152.3	123.5	106.5	94.0	89.3	83.4	47.3	24.0	17.8	14.2	11.0
17.5°	199.9	176.2	170.8	142.6	120.9	106.2	65.6	27.9	19.2	15.2	11.6
15°	329.1	260.2	239.7	196.9	154.5	130.6	86.0	31.9	20.7	16.2	12.2
12.5°	491.7	344.6	312.3	255.6	189.6	156.3	108.0	36.1	22.2	17.1	12.6
10°	671.2	429.0	387.4	317.3	225.6	182.7	130.7	41.0	24.6	18.0	13.1
7.5°	860.3	512.9	463.8	380.3	261.2	208.1	154.4	47.6	27.4	18.9	13.4
5°	1035.5	585.6	527.2	433.3	293.0	231.5	177.1	54.1	30.1	19.8	13.7
2.5°	1135.2	640.4	580.4	482.0	323.8	254.0	197.9	60.3	32.8	20.6	14.0
0°	1216.2	693.1	630.5	526.6	353.0	275.1	216.1	66.1	35.4	21.3	14.2
-2.5°	1195.0	685.0	621.2	522.5	362.0	281.5	218.8	76.8	43.8	26.8	17.0
-5°	1153.4	674.5	609.0	514.3	368.7	286.2	218.6	86.8	51.8	32.1	19.6
-7.5°	1073.5	650.9	590.2	502.2	372.8	289.0	216.1	95.9	59.3	37.0	22.0
-10°	971.4	618.9	563.5	481.6	367.1	288.0	211.8	104.0	66.1	41.4	24.2
-12.5°	852.9	586.3	537.4	459.6	358.4	283.9	206.3	111.0	72.1	45.2	26.0
-15°	719.4	553.3	512.9	437.0	348.0	278.7	199.9	116.7	77.3	48.7	27.4
-17.5°	575.4	520.5	491.0	414.6	336.3	272.7	193.1	121.2	81.6	51.7	28.8
-20°	534.5	498.9	470.2	393.1	323.4	265.8	186.4	124.4	85.0	54.0	30.1



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	514.5	487.1	446.8	375.4	311.2	258.4	180.1	126.2	87.4	55.5	30.8
-25°	496.1	476.2	424.5	359.1	301.1	247.4	177.6	126.4	88.8	56.1	30.7
-27.5°	482.8	462.1	402.4	341.4	289.9	238.1	177.1	127.5	89.3	55.7	30.0
-30°	472.5	437.1	381.1	323.9	277.3	225.6	174.7	127.4	88.6	54.7	28.4
-32.5°	464.1	413.1	359.1	308.9	262.6	212.3	167.1	125.9	86.7	52.9	27.4
-35°	442.1	389.7	336.5	292.5	246.8	200.1	157.1	123.0	83.4	49.9	26.2
-37.5°	418.6	365.5	317.5	274.9	230.6	186.7	147.8	114.3	78.8	45.8	24.5
-40°	390.7	341.5	297.8	256.9	214.4	172.0	137.2	104.3	73.0	40.5	22.3
-42.5°	361.4	317.9	276.6	238.1	197.1	159.0	125.4	93.2	63.9	36.3	19.5
-45°	333.5	292.3	253.5	216.2	179.0	144.6	112.0	81.2	53.7	32.4	17.4
-47.5°	303.3	264.8	228.3	192.9	161.4	128.8	97.4	69.1	43.0	27.8	16.7
-50°	271.0	235.5	201.4	170.7	141.7	111.3	82.1	56.3	36.4	22.0	15.9
-52.5°	238.2	204.8	175.8	148.7	120.7	92.5	67.0	43.5	29.5	19.1	14.9
-55°	204.2	176.4	151.3	125.1	98.7	74.5	51.3	35.3	22.2	17.6	13.9
-57.5°	174.5	149.6	124.9	100.3	77.6	56.2	39.3	26.8	19.2	16.0	13.5
-60°	144.9	120.4	97.2	76.8	57.1	41.2	29.5	20.3	17.5	14.6	12.9
-62.5°	111.5	90.4	71.9	54.0	40.7	30.0	20.9	18.5	15.8	13.9	12.4
-65°	80.4	63.6	47.4	37.8	28.2	21.0	18.9	16.6	14.6	13.1	11.7
-67.5°	51.3	41.9	32.7	24.0	20.7	18.8	16.9	15.2	13.6	12.3	11.1
-70°	33.9	25.7	21.8	20.0	18.3	16.7	15.4	13.9	12.6	11.7	10.6
-72.5°	22.9	20.9	19.0	17.5	16.5	15.3	14.0	12.8	12.0	11.1	10.0
-75°	19.4	18.1	17.0	16.1	15.1	13.9	13.0	12.3	11.5	10.5	9.4
-77.5°	16.8	16.0	15.4	14.7	13.7	12.9	12.3	11.8	10.8	9.8	8.7
-80°	14.2	13.8	13.3	12.8	12.2	11.8	11.4	11.0	10.0	9.0	8.1
-82.5°	11.9	11.6	11.3	11.1	10.9	10.6	10.3	10.0	9.1	8.3	7.5
-85°	9.7	9.7	9.7	9.8	9.6	9.4	9.2	9.0	8.3	7.7	7.1
-87.5°	8.4	8.4	8.5	8.4	8.3	8.2	8.2	8.1	7.6	7.1	6.6
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.9	5.6	5.3	5.0	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.8	4.7	4.7	4.7	4.7	4.7
72.5°	4.8	4.9	4.8	4.7	4.7	4.7	4.7
70°	4.8	5.0	4.9	4.7	4.7	4.7	4.7
67.5°	4.8	5.1	5.1	4.8	4.7	4.7	4.7
65°	4.9	5.1	5.2	5.0	4.7	4.7	4.7
62.5°	4.9	5.2	5.3	5.1	4.7	4.7	4.7
60°	4.9	5.2	5.5	5.2	4.7	4.7	4.7
57.5°	5.2	5.2	5.5	5.3	4.8	4.7	4.7
55°	5.5	5.3	5.5	5.5	4.9	4.7	4.7
52.5°	5.8	5.3	5.5	5.6	5.0	4.7	4.7
50°	6.1	5.6	5.6	5.7	5.0	4.7	4.7
47.5°	6.4	5.8	5.6	5.8	5.1	4.7	4.7
45°	6.5	6.1	5.6	5.9	5.2	4.7	4.7
42.5°	6.7	6.3	5.7	5.9	5.3	4.7	4.7
40°	6.9	6.5	5.8	5.9	5.3	4.7	4.7
37.5°	7.1	6.7	6.0	5.9	5.4	4.7	4.7
35°	7.3	6.9	6.1	6.0	5.5	4.7	4.7
32.5°	7.6	7.1	6.3	6.0	5.5	4.7	4.7
30°	7.9	7.3	6.4	6.1	5.6	4.7	4.7
27.5°	8.2	7.5	6.6	6.1	5.6	4.7	4.7
25°	8.4	7.7	6.7	6.2	5.7	4.7	4.7
22.5°	8.7	7.8	6.8	6.3	5.7	4.7	4.7
20°	8.9	7.9	6.9	6.4	5.8	4.7	4.7
17.5°	9.2	8.0	7.0	6.5	5.8	4.7	4.7
15°	9.4	8.1	7.0	6.6	5.8	4.7	4.7
12.5°	9.6	8.2	7.0	6.7	5.8	4.7	4.7
10°	9.8	8.2	7.1	6.7	5.9	4.7	4.7
7.5°	10.0	8.2	7.1	6.8	5.9	4.7	4.7
5°	10.2	8.3	7.1	6.9	5.9	4.7	4.7
2.5°	10.4	8.3	7.1	7.0	5.9	4.7	4.7
0°	10.6	8.3	7.1	7.1	5.9	4.7	4.7
-2.5°	11.5	8.5	7.3	7.2	6.0	4.7	4.7
-5°	12.4	8.8	7.5	7.2	6.0	4.8	4.7
-7.5°	13.2	9.0	7.7	7.3	6.0	4.8	4.7
-10°	13.9	9.2	7.9	7.4	6.1	4.8	4.7
-12.5°	14.5	9.4	8.1	7.4	6.1	4.8	4.7
-15°	15.0	9.6	8.2	7.4	6.1	4.9	4.7
-17.5°	15.2	9.8	8.4	7.5	6.2	4.9	4.7
-20°	15.5	9.9	8.5	7.5	6.2	4.9	4.7



REPORT NUMBER: P1306043 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-70-2S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.9	10.1	8.6	7.5	6.2	4.9	4.7
-25°	16.0	10.3	8.7	7.5	6.2	4.9	4.7
-27.5°	15.7	10.5	8.8	7.5	6.2	4.9	4.7
-30°	15.1	10.6	8.8	7.5	6.2	5.0	4.7
-32.5°	14.2	10.7	8.9	7.5	6.2	5.0	4.7
-35°	13.8	10.7	8.9	7.5	6.2	5.0	4.7
-37.5°	13.8	10.6	8.9	7.5	6.1	5.0	4.7
-40°	13.7	10.6	8.9	7.4	6.1	5.0	4.7
-42.5°	13.4	10.6	8.8	7.4	6.1	5.0	4.7
-45°	13.0	10.5	8.8	7.3	6.0	5.0	4.7
-47.5°	12.5	10.4	8.7	7.3	6.0	5.0	4.7
-50°	12.2	10.3	8.6	7.2	6.0	5.0	4.7
-52.5°	12.0	10.1	8.4	7.1	5.9	5.0	4.7
-55°	11.7	9.9	8.3	7.0	5.9	5.0	4.7
-57.5°	11.4	9.6	8.1	6.9	5.8	5.0	4.7
-60°	11.1	9.4	7.9	6.8	5.7	5.0	4.7
-62.5°	10.7	9.1	7.7	6.6	5.7	4.9	4.7
-65°	10.2	8.8	7.5	6.5	5.6	4.9	4.7
-67.5°	9.8	8.4	7.3	6.3	5.5	4.9	4.7
-70°	9.3	8.1	7.0	6.2	5.5	4.9	4.7
-72.5°	8.8	7.7	6.8	6.0	5.4	4.9	4.7
-75°	8.2	7.3	6.5	5.9	5.3	4.8	4.7
-77.5°	7.7	6.9	6.3	5.8	5.2	4.8	4.7
-80°	7.1	6.6	6.1	5.6	5.1	4.8	4.7
-82.5°	6.8	6.4	5.9	5.5	5.0	4.8	4.7
-85°	6.5	6.1	5.7	5.3	4.9	4.8	4.7
-87.5°	6.2	5.9	5.5	5.2	4.8	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)