

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: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-80-3S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

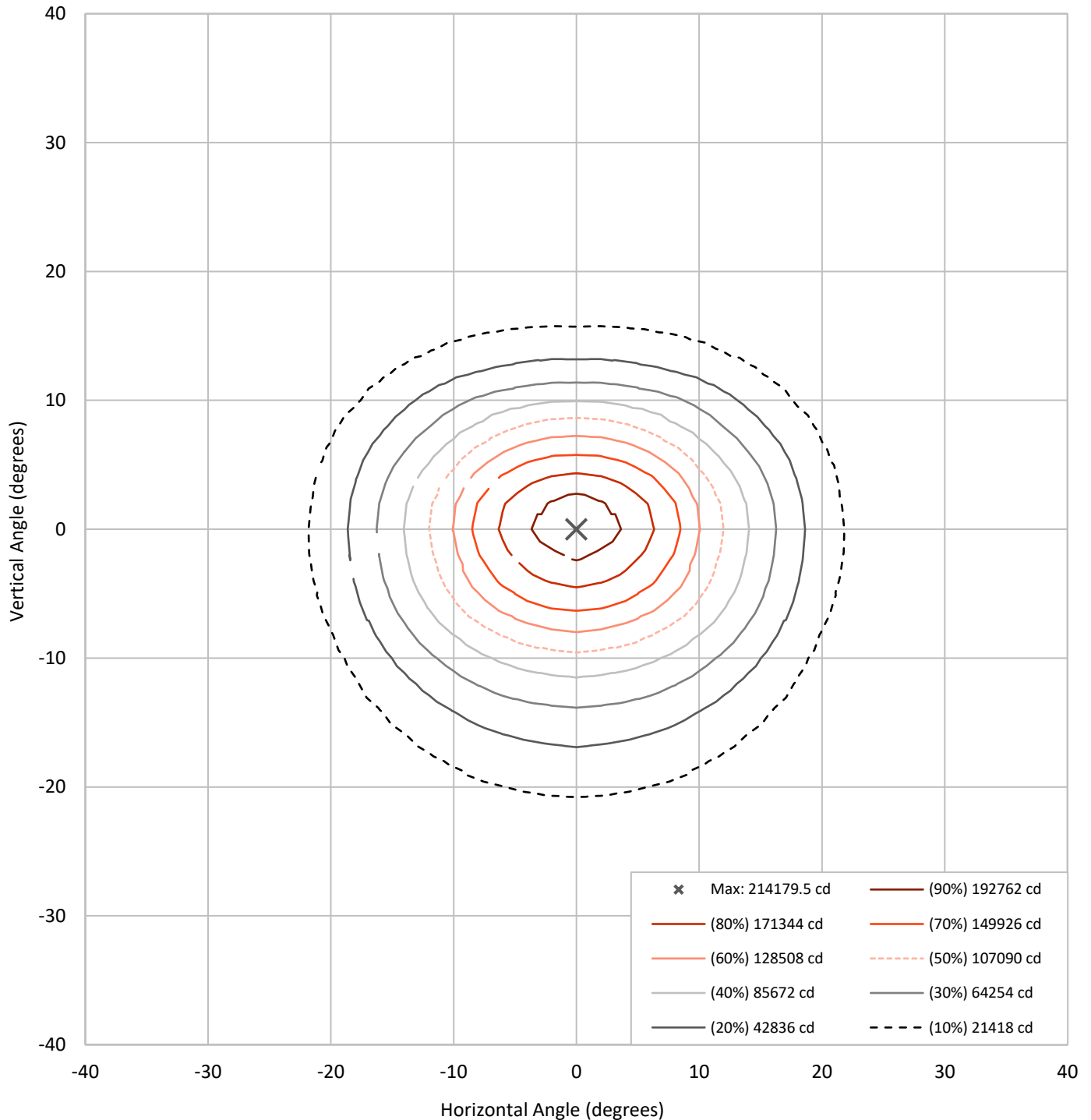
Test Method: LM-79-08  
Report Number: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-40-80-3S-CV5-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S 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:	35805.5 lumens	Max Intensity:	214179.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	15316.8 lumens	Field Lumens:	30599.3 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
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: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

### Iso-Candela Plot





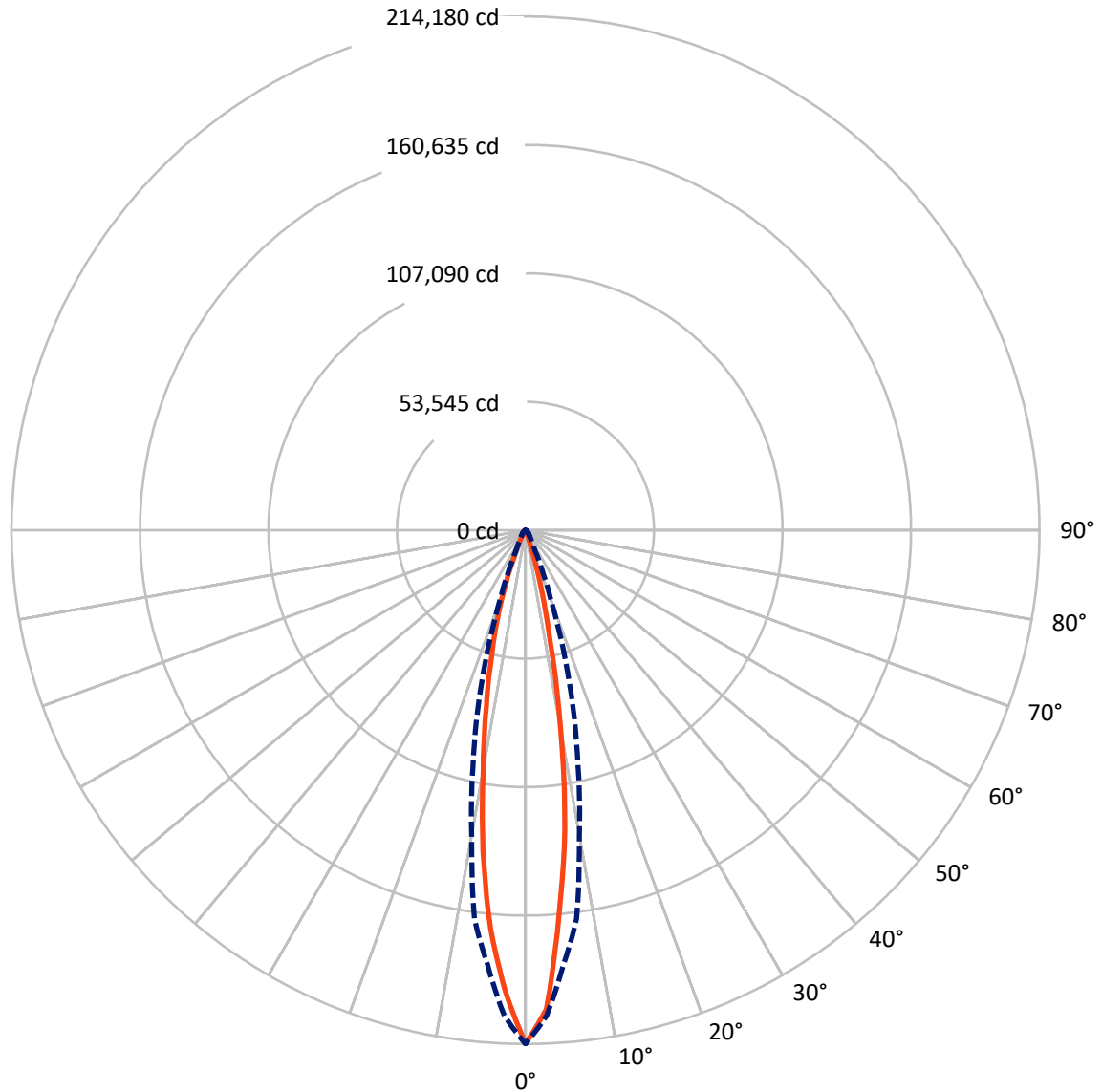
REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

### Lumen Table

90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1		
80	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1		
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.1	0.1	0.1	0.1	
60		0.1	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	
40		0.1	0.4	0.5	1.0	1.4	1.8	2.3	2.3	1.8	1.4	1.0	0.5	0.4	0.1				
30	0.2	0.3	1.0	2.5	4.7	7.2	16.3	32.7	32.7	16.3	7.2	4.7	2.5	1.0	0.3	0.2	0.2	0.2	
20		0.7	3.7	11.8	25.8	69.2	383.5	877.7	877.7	383.5	69.2	25.8	11.8	3.7	0.7				
10	0.2	1.3	7.7	27.8	64.9	285.6	1791.2	4181.0	4181.0	1791.2	285.6	64.9	27.8	7.7	1.3	0.2	0.2	0.2	
0		1.7	9.2	32.6	72.8	304.4	1910.4	4306.3	4306.3	1910.4	304.4	72.8	32.6	9.2	1.7				
-10	0.4	1.8	7.9	24.7	51.7	131.2	693.6	1561.0	1561.0	693.6	131.2	51.7	24.7	7.9	1.8	0.4	0.4	0.4	
-20		1.8	6.4	15.5	36.5	61.9	134.3	270.1	270.1	134.3	61.9	36.5	15.5	6.4	1.8				
-30	0.3	1.6	5.1	10.8	23.6	42.7	58.0	67.7	67.7	58.0	42.7	23.6	10.8	5.1	1.6	0.3	0.3	0.3	
-40		1.1	3.8	8.2	14.7	23.9	36.7	46.1	46.1	36.7	23.9	14.7	8.2	3.8	1.1				
-50	0.2	0.5	2.3	5.2	9.3	13.7	17.4	19.5	19.5	17.4	13.7	9.3	5.2	2.3	0.5	0.2	0.2	0.2	
-60		0.2	0.8	2.2	4.2	6.5	8.7	10.0	10.0	8.7	6.5	4.2	2.2	0.8	0.2				
-70	0.1	0.5		1.7		4.6		7.1		4.6		1.7		0.5		0.1	0.1	0.1	
-80		0.5		1.7		4.6		7.1		4.6		1.7		0.5					
-90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

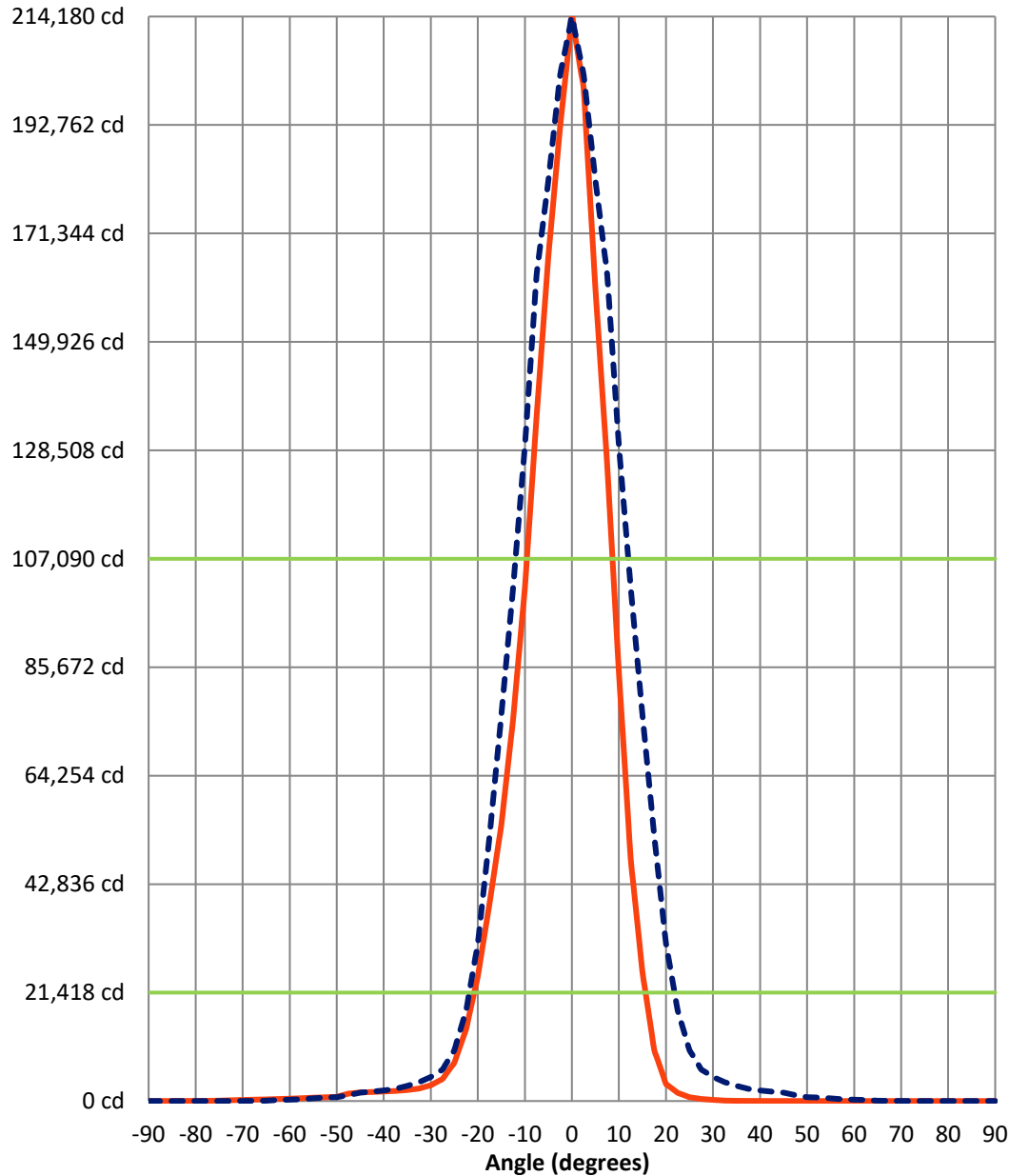
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

### Luminous Intensity Plot



**Beam:**  
 H Angle: 24°  
 V Angle: 18.2°  
 Lumens: 15316.8  
 Efficiency: 42.8%

**Field:**  
 H Angle: 43.7°  
 V Angle: 36.4°  
 Lumens: 30599.3  
 Efficiency: 85.5%

**Spill:**  
 Lumens: 5206.2  
 Efficiency: 14.5%

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



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9	5.4
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.9	5.4	5.6
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.3	5.7	5.3
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	5.1	5.6	5.5	5.0
57.5°	4.5	4.5	4.5	4.5	4.6	4.9	5.0	5.4	5.6	5.3	4.9
55°	4.5	4.5	4.5	4.5	4.7	5.0	5.2	5.7	5.6	5.3	5.0
52.5°	4.5	4.5	4.6	4.5	4.9	5.1	5.4	5.7	5.6	5.3	5.1
50°	4.5	4.5	4.6	4.5	5.0	5.3	5.6	5.8	5.6	5.4	6.1
47.5°	4.5	4.5	4.6	4.5	5.1	5.4	5.7	5.8	5.7	5.5	7.1
45°	4.5	4.5	4.6	4.6	5.3	5.5	5.8	5.9	5.8	6.0	7.8
42.5°	4.5	4.5	4.7	4.7	5.4	5.6	5.9	6.1	5.9	6.4	8.5
40°	4.5	4.5	4.7	4.9	5.5	5.6	6.0	6.2	6.2	6.6	9.3
37.5°	4.5	4.5	4.8	5.0	5.6	5.7	6.2	6.4	6.7	7.3	9.9
35°	4.5	4.5	4.8	5.1	5.6	5.8	6.3	6.6	7.2	8.5	10.3
32.5°	4.5	4.5	4.9	5.2	5.7	5.9	6.5	6.8	7.7	9.7	11.3
30°	4.5	4.5	4.9	5.3	5.7	6.0	6.7	7.1	8.2	11.0	12.5
27.5°	4.5	4.5	5.0	5.4	5.7	6.1	6.8	7.5	9.0	12.3	14.0
25°	4.5	4.5	5.1	5.5	5.7	6.3	7.0	8.0	10.0	13.5	15.7
22.5°	4.5	4.5	5.1	5.5	5.7	6.4	7.2	8.4	11.0	14.8	19.0
20°	4.5	4.5	5.2	5.6	5.7	6.5	7.5	8.9	12.1	16.3	22.5
17.5°	4.5	4.5	5.3	5.6	5.7	6.5	7.6	9.3	13.1	17.8	26.4
15°	4.5	4.5	5.3	5.7	5.7	6.6	7.7	9.8	14.0	19.3	30.4
12.5°	4.5	4.5	5.4	5.7	5.7	6.7	7.7	10.4	15.1	20.9	34.5
10°	4.5	4.5	5.5	5.7	5.7	6.7	7.8	11.1	16.3	23.6	39.5
7.5°	4.5	4.5	5.5	5.7	5.7	6.8	7.8	11.7	17.5	26.6	46.6
5°	4.5	4.5	5.6	5.7	5.7	6.8	7.9	12.4	18.5	29.5	53.6
2.5°	4.5	4.5	5.6	5.7	5.7	6.8	7.9	13.0	19.5	32.4	60.4
0°	4.5	4.5	5.7	5.7	5.7	6.8	7.9	13.6	20.4	35.1	66.7
-2.5°	4.5	4.5	5.7	5.7	5.8	7.0	8.9	16.2	25.9	43.1	76.4
-5°	4.5	4.5	5.7	5.7	5.9	7.3	10.0	18.7	31.1	50.8	85.4
-7.5°	4.5	4.5	5.7	5.7	6.0	7.5	10.9	21.0	36.0	58.0	93.6
-10°	4.5	4.5	5.7	5.7	6.1	7.6	11.7	22.9	40.4	64.5	100.9
-12.5°	4.5	4.5	5.6	5.7	6.1	7.8	12.4	24.6	44.1	70.3	107.6
-15°	4.5	4.5	5.6	5.7	6.2	7.9	13.0	25.9	47.6	75.6	113.3
-17.5°	4.5	4.5	5.6	5.7	6.2	8.0	13.4	27.4	50.8	80.2	118.0
-20°	4.5	4.5	5.6	5.7	6.3	8.1	13.8	28.7	53.2	84.0	121.4



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	5.5	5.7	6.3	8.1	14.2	29.5	54.8	86.9	123.6
-25°	4.5	4.5	5.5	5.7	6.3	8.2	14.3	29.5	55.4	88.8	124.4
-27.5°	4.5	4.5	5.4	5.7	6.3	8.2	14.0	28.9	55.0	89.7	126.1
-30°	4.5	4.5	5.4	5.7	6.2	8.3	13.2	27.5	54.1	89.1	126.7
-32.5°	4.5	4.5	5.3	5.7	6.2	8.2	12.1	26.4	52.4	87.1	126.1
-35°	4.5	4.5	5.3	5.7	6.2	8.1	11.6	25.1	49.5	83.7	124.3
-37.5°	4.5	4.5	5.2	5.7	6.2	7.9	11.5	23.1	45.6	78.8	115.9
-40°	4.5	4.5	5.1	5.7	6.1	7.9	11.2	20.4	40.5	73.1	105.7
-42.5°	4.5	4.5	5.1	5.7	6.1	7.8	10.8	17.1	36.0	64.2	94.4
-45°	4.5	4.5	5.0	5.7	6.1	7.6	10.3	14.6	31.4	54.3	82.2
-47.5°	4.5	4.5	4.9	5.7	6.1	7.4	9.7	13.9	25.9	43.7	70.2
-50°	4.5	4.5	4.8	5.6	6.0	7.2	9.3	13.0	19.2	36.1	57.4
-52.5°	4.5	4.5	4.8	5.5	6.0	6.9	8.9	12.0	16.1	28.1	44.4
-55°	4.5	4.5	4.7	5.4	5.9	6.7	8.5	11.0	14.7	19.8	35.0
-57.5°	4.5	4.5	4.6	5.3	5.8	6.5	8.0	10.3	13.1	16.5	25.3
-60°	4.5	4.5	4.5	5.2	5.7	6.3	7.4	9.5	11.7	14.7	17.9
-62.5°	4.5	4.5	4.5	5.1	5.6	6.1	7.1	8.7	10.7	12.9	15.8
-65°	4.5	4.5	4.5	5.0	5.5	5.8	6.7	7.9	9.8	11.6	13.8
-67.5°	4.5	4.5	4.5	4.9	5.4	5.7	6.2	7.4	8.8	10.5	12.3
-70°	4.5	4.5	4.5	4.8	5.3	5.6	5.8	6.8	8.1	9.4	11.0
-72.5°	4.5	4.5	4.5	4.7	5.2	5.5	5.7	6.2	7.4	8.6	9.8
-75°	4.5	4.5	4.5	4.7	5.1	5.4	5.7	6.0	6.7	7.8	8.9
-77.5°	4.5	4.5	4.5	4.7	5.0	5.4	5.7	5.9	6.4	7.1	8.0
-80°	4.5	4.5	4.5	4.6	4.9	5.3	5.7	5.8	6.1	6.5	7.2
-82.5°	4.5	4.5	4.5	4.6	4.8	5.1	5.4	5.6	5.7	5.9	6.3
-85°	4.5	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.3	5.4	5.5
-87.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.4
87.5°	4.4	4.2	4.1	4.0	3.9	3.8	3.6	3.4	3.4	3.4	3.4
85°	4.5	4.5	4.5	4.5	4.2	4.0	3.7	3.4	3.4	3.4	3.4
82.5°	4.5	4.5	4.5	4.5	4.3	4.0	3.7	3.6	3.6	3.6	3.5
80°	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3	4.2	4.0	3.7
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.0	3.7
75°	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3
72.5°	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	5.3	6.4	7.3
70°	5.2	5.2	4.9	4.6	4.5	4.8	6.2	8.1	10.1	11.5	13.4
67.5°	5.5	5.0	4.6	4.6	5.5	7.0	9.1	14.0	19.3	21.4	22.1
65°	5.1	4.6	4.8	5.5	6.7	10.7	16.0	22.2	26.8	26.5	25.1
62.5°	4.6	4.7	5.3	7.1	10.7	15.7	20.6	24.9	29.3	28.1	24.1
60°	4.6	4.8	6.9	10.6	14.5	18.1	22.6	25.1	27.1	27.0	21.4
57.5°	4.7	6.1	9.8	13.4	16.5	19.2	20.7	22.4	23.2	23.2	17.4
55°	5.4	8.4	12.0	15.1	17.3	16.9	17.5	17.7	17.8	16.6	11.8
52.5°	7.2	10.4	13.3	16.0	16.5	14.9	13.0	13.1	12.2	10.3	8.5
50°	8.7	11.5	14.4	16.2	15.5	12.4	9.6	9.5	8.7	7.5	6.5
47.5°	9.8	12.6	15.4	16.4	13.8	11.2	8.8	7.7	6.9	6.7	6.0
45°	10.7	13.4	16.4	15.3	13.0	11.1	9.1	6.8	7.1	7.0	7.3
42.5°	11.6	14.0	15.6	14.6	13.3	11.8	10.1	8.7	8.1	9.0	9.3
40°	11.9	14.4	15.1	15.3	14.1	13.4	13.1	12.1	10.4	11.9	12.4
37.5°	12.1	14.3	15.7	17.6	15.9	16.4	17.0	17.3	16.3	16.0	17.9
35°	12.1	14.7	19.0	21.2	19.8	20.8	22.8	23.7	23.7	23.3	26.7
32.5°	12.3	15.5	23.4	25.4	26.8	28.0	29.3	31.4	33.4	35.6	41.1
30°	13.9	19.7	28.6	30.0	35.4	41.0	39.4	40.5	44.9	59.0	71.3
27.5°	17.4	25.3	33.0	37.6	46.3	57.9	61.6	54.4	67.3	89.2	110.2
25°	21.4	41.1	37.8	46.9	63.0	80.5	90.2	89.1	101.7	129.5	154.4
22.5°	30.1	61.6	59.7	57.0	82.5	108.1	124.8	153.7	194.5	194.3	203.4
20°	45.3	81.2	87.2	94.8	111.2	139.9	163.8	240.4	325.4	354.3	322.8
17.5°	63.0	102.8	118.7	144.2	180.6	199.2	212.8	344.0	487.6	544.6	562.4
15°	82.6	126.1	152.2	199.5	257.6	290.4	348.4	498.3	668.0	764.6	836.2
12.5°	103.6	150.6	187.4	259.2	340.1	383.5	512.0	729.0	898.1	1014.5	1196.8
10°	125.3	175.9	223.5	321.9	426.3	477.7	687.1	966.6	1143.2	1277.9	1527.5
7.5°	149.1	201.1	259.4	385.9	514.4	572.2	868.0	1206.1	1382.2	1532.3	1814.3
5°	172.3	225.2	291.7	440.3	585.1	652.0	1031.1	1441.1	1614.3	1777.2	2073.2
2.5°	193.7	248.4	322.6	490.4	641.1	707.8	1109.7	1560.6	1749.5	1951.6	2268.8
0°	212.6	270.3	351.8	536.1	692.2	761.2	1171.8	1663.8	1859.5	2089.1	2411.5
-2.5°	216.6	279.0	362.2	535.4	685.4	759.9	1177.8	1668.4	1897.4	2140.1	2455.6
-5°	217.7	286.0	370.2	530.1	674.0	755.5	1165.7	1651.6	1903.7	2127.7	2411.8
-7.5°	216.1	290.9	375.6	519.6	651.9	730.4	1096.9	1549.2	1804.1	1999.3	2266.5
-10°	212.2	290.3	369.5	496.0	616.5	692.3	1002.9	1431.1	1700.5	1868.5	2101.3
-12.5°	205.5	284.8	359.8	470.7	580.7	653.4	893.3	1300.3	1595.5	1738.9	1927.2
-15°	197.9	278.4	348.2	444.5	545.8	614.3	768.9	1159.2	1495.4	1641.5	1781.4
-17.5°	190.0	271.1	335.1	418.3	512.7	575.4	634.6	1009.2	1368.8	1542.2	1677.3
-20°	182.2	263.2	320.6	392.8	481.6	545.4	593.9	857.2	1191.0	1432.1	1567.8



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	175.0	254.7	306.8	373.1	454.2	521.4	570.7	708.6	1003.3	1312.4	1459.1
-25°	172.3	242.5	295.6	355.8	428.0	497.3	548.0	582.5	826.0	1132.0	1355.5
-27.5°	172.4	232.2	284.8	337.2	401.8	471.5	522.1	557.7	691.2	954.7	1238.7
-30°	170.9	219.9	273.0	319.1	378.8	441.9	495.4	544.5	586.7	797.6	1048.3
-32.5°	164.4	207.0	258.7	305.0	355.8	413.3	473.4	526.0	571.8	640.4	867.6
-35°	155.7	196.3	243.1	289.8	332.4	387.8	446.9	504.4	553.1	595.6	699.3
-37.5°	147.7	184.1	227.1	273.0	314.9	362.4	418.4	476.0	528.3	578.9	625.7
-40°	138.6	170.5	211.8	255.0	296.7	338.3	388.9	443.3	498.4	556.7	613.1
-42.5°	128.2	159.3	195.4	236.2	275.8	316.5	358.0	409.1	464.6	526.3	585.1
-45°	114.5	146.9	178.3	215.1	252.6	292.1	332.1	373.3	426.9	483.8	545.3
-47.5°	99.6	132.5	163.0	192.5	227.8	264.7	303.5	344.0	386.3	438.2	493.4
-50°	84.0	114.6	145.7	172.2	201.8	235.9	271.6	311.8	352.1	392.9	439.9
-52.5°	68.8	95.5	124.6	152.2	177.7	206.2	239.4	275.8	314.3	353.4	389.8
-55°	52.8	77.0	102.1	129.1	154.9	179.1	205.9	238.5	273.0	309.3	342.6
-57.5°	39.8	58.1	80.4	104.0	128.9	153.4	176.8	200.5	230.2	262.2	290.7
-60°	28.6	41.9	59.0	79.7	101.1	124.2	147.7	169.8	191.5	212.5	238.0
-62.5°	18.7	29.1	41.2	55.7	74.7	94.2	115.0	136.3	157.4	175.6	192.4
-65°	16.4	18.8	27.0	37.9	48.7	66.2	83.9	100.9	119.4	136.2	152.3
-67.5°	14.1	16.3	18.4	22.2	32.0	42.9	54.3	69.8	84.6	96.6	108.6
-70°	12.5	13.8	15.6	17.5	19.6	24.0	33.6	43.5	53.4	62.6	72.9
-72.5°	11.0	12.2	13.3	14.5	16.3	18.3	20.5	22.7	28.3	35.7	42.7
-75°	9.8	10.6	11.6	12.6	13.7	15.0	16.4	18.2	20.0	21.5	22.9
-77.5°	8.6	9.3	10.0	10.7	11.6	12.6	13.6	14.7	15.8	17.0	18.3
-80°	7.5	7.9	8.3	8.9	9.6	10.3	11.0	11.7	12.4	13.2	14.1
-82.5°	6.5	6.8	7.0	7.3	7.7	8.2	8.8	9.4	9.6	9.8	10.1
-85°	5.6	5.7	5.9	6.0	6.2	6.5	6.8	7.1	7.1	7.2	7.2
-87.5°	5.1	5.1	5.1	5.2	5.2	5.3	5.3	5.3	5.5	5.6	5.6
-90°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.7	6.0	6.2	6.5	6.8	9.3	11.9	14.4	17.0	21.2	25.4
87.5°	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.1	1.1	1.1
85°	3.4	3.1	2.9	2.6	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	3.4	3.1	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.0	1.7
80°	3.4	3.3	3.1	3.0	3.0	2.9	2.7	2.5	2.3	2.3	2.3
77.5°	3.6	3.6	3.6	3.5	3.4	3.2	2.9	2.6	2.3	2.3	2.3
75°	4.4	4.5	4.6	4.5	4.1	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	7.9	7.9	7.6	7.3	6.6	6.3	6.3	6.3	6.1	6.0	5.9
70°	14.5	14.8	14.2	12.8	10.8	9.5	8.9	8.1	7.2	6.8	6.7
67.5°	20.7	18.9	17.1	15.2	12.7	10.6	9.4	8.3	7.2	6.7	6.4
65°	22.6	18.5	15.5	13.0	11.2	9.6	8.3	7.1	5.8	5.0	4.8
62.5°	19.7	14.7	11.7	9.9	8.5	7.7	6.4	5.3	4.3	3.8	3.9
60°	16.0	10.8	8.0	7.0	6.3	5.7	5.0	4.3	3.8	3.4	3.5
57.5°	12.0	7.9	5.7	5.5	5.2	4.7	4.3	4.0	3.7	3.4	3.4
55°	8.3	6.6	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.4
52.5°	6.5	6.0	5.7	5.5	5.2	4.8	4.5	4.1	3.8	3.5	3.4
50°	5.9	5.8	5.8	5.6	5.3	4.9	4.5	4.4	4.3	4.1	4.2
47.5°	6.1	6.3	6.1	5.7	5.5	5.5	5.6	5.6	5.6	5.4	5.3
45°	6.9	7.0	6.9	6.8	6.6	7.2	7.6	7.6	8.8	8.4	7.1
42.5°	8.6	9.0	9.5	10.1	9.3	11.9	16.0	18.8	16.1	12.7	10.7
40°	13.0	13.4	16.3	17.8	21.0	24.8	22.6	18.9	16.8	17.9	18.6
37.5°	20.6	24.1	28.8	34.0	32.7	27.2	27.8	27.7	26.7	29.0	29.2
35°	33.6	42.1	46.1	47.4	45.0	43.3	44.8	46.4	42.9	48.4	50.1
32.5°	54.9	65.3	67.6	65.2	65.5	69.3	72.1	77.2	82.4	90.7	100.5
30°	81.0	92.2	97.5	92.6	93.6	102.6	108.4	120.2	139.0	160.4	187.1
27.5°	120.0	128.3	137.8	139.2	134.7	147.9	168.5	180.9	231.3	264.7	324.8
25°	171.5	184.3	192.8	206.9	214.5	230.5	270.1	308.2	385.6	461.0	589.0
22.5°	239.1	280.3	295.6	293.4	337.9	380.9	414.6	521.3	673.9	897.2	1148.6
20°	328.3	413.1	485.2	508.6	524.4	637.6	754.0	1085.3	1465.2	2099.1	2591.9
17.5°	591.9	619.7	778.0	906.8	968.0	1207.7	1751.2	2585.2	4018.8	5980.3	7186.3
15°	988.1	1067.8	1226.5	1498.9	1836.0	2471.4	3378.5	6037.6	9714.2	13732.0	17557.2
12.5°	1425.8	1591.8	1882.5	2283.7	2819.0	4632.0	7559.5	12562.3	19368.8	26329.8	35207.8
10°	1831.9	2165.8	2642.9	3320.1	4694.6	7791.9	12719.5	21223.4	33280.0	45851.6	58411.1
7.5°	2163.1	2640.9	3338.6	4353.1	6816.5	11789.1	19870.4	32399.7	47858.2	64032.3	81061.1
5°	2497.6	3102.5	3942.8	5170.2	8207.0	14877.3	25626.3	42779.3	62728.6	83108.5	104568.5
2.5°	2787.6	3495.3	4468.1	5902.1	9142.0	16548.7	29098.6	50220.2	73642.8	98030.5	125363.4
0°	3001.9	3722.5	4756.3	6248.2	10063.4	17849.9	31131.3	52419.7	76242.9	101420.7	129356.0
-2.5°	2972.1	3623.7	4560.8	6041.4	9743.3	17615.1	29861.6	50608.8	73924.9	97526.6	122441.2
-5°	2836.3	3403.0	4242.7	5567.9	8637.7	15283.4	26797.4	45918.1	67599.0	89167.2	111335.1
-7.5°	2629.4	3119.6	3855.6	4994.1	7362.8	12595.8	22164.6	37121.8	55761.5	74195.0	91295.5
-10°	2415.6	2814.9	3411.4	4311.0	6000.7	9657.2	16423.9	27605.6	43106.7	58287.3	71391.8
-12.5°	2214.6	2512.0	2936.2	3562.6	4604.0	7229.6	12338.8	20496.9	30851.2	42522.7	53869.9
-15°	2027.2	2247.1	2551.7	3056.9	3890.4	5447.7	8221.5	13658.1	20941.2	29088.1	36932.1
-17.5°	1855.3	2036.6	2274.3	2630.1	3146.5	4109.5	6052.6	9160.9	13558.1	19353.1	24769.9
-20°	1701.3	1865.5	2043.4	2309.9	2706.5	3273.3	4229.9	6159.5	8697.0	12349.5	15931.8



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1580.7	1709.7	1847.9	2051.8	2382.4	2784.4	3259.9	4050.4	5447.1	7320.6	9442.3
-25°	1470.6	1566.0	1709.4	1928.8	2155.3	2423.4	2711.8	3028.9	3648.6	4251.1	5361.9
-27.5°	1365.8	1466.5	1615.9	1813.9	2020.5	2145.7	2330.2	2526.0	2822.4	3084.1	3526.6
-30°	1278.4	1384.2	1511.1	1678.1	1852.0	1970.0	2066.0	2207.6	2372.0	2536.1	2726.5
-32.5°	1114.2	1316.0	1403.9	1531.3	1688.0	1812.0	1897.0	2002.2	2090.0	2192.0	2295.5
-35°	934.6	1157.2	1338.9	1421.4	1529.7	1667.7	1788.4	1873.0	1941.0	2003.9	2063.2
-37.5°	731.2	962.8	1161.3	1328.4	1427.5	1520.0	1648.0	1761.8	1843.7	1886.9	1925.4
-40°	653.9	720.8	930.5	1122.2	1271.4	1416.1	1515.9	1627.4	1722.1	1781.8	1826.5
-42.5°	640.6	675.0	702.1	847.4	1028.4	1183.5	1315.6	1445.7	1561.3	1647.0	1716.2
-45°	604.9	645.7	683.9	710.7	738.6	875.7	1023.1	1166.8	1297.2	1414.0	1516.0
-47.5°	547.1	595.9	636.6	675.6	705.9	729.7	757.4	803.2	925.4	1045.3	1159.2
-50°	484.3	528.5	572.6	614.6	647.5	676.4	703.0	725.7	748.7	772.7	795.5
-52.5°	422.3	461.7	501.0	537.8	572.8	605.9	636.6	659.1	678.4	695.4	708.3
-55°	373.4	402.8	431.4	462.6	493.7	522.9	549.6	574.0	596.1	616.0	631.2
-57.5°	319.5	348.3	375.6	399.0	421.7	443.7	466.3	488.0	507.1	523.7	537.1
-60°	263.1	287.8	312.1	335.1	357.0	377.7	396.2	413.3	428.7	441.9	451.8
-62.5°	208.8	228.2	250.1	270.1	287.7	304.5	323.6	340.9	356.1	368.8	378.3
-65°	167.6	181.6	197.3	212.8	228.0	244.4	261.0	275.8	288.8	299.5	307.9
-67.5°	122.2	135.9	151.2	165.1	178.0	191.8	207.7	222.3	235.7	246.5	255.2
-70°	82.4	92.1	104.2	117.2	129.7	142.9	157.5	171.5	184.8	195.1	203.4
-72.5°	49.4	55.7	62.2	70.7	79.6	90.5	102.7	114.9	127.1	135.9	142.8
-75°	24.2	26.8	32.1	37.0	41.5	47.3	53.5	59.3	64.7	68.7	71.9
-77.5°	19.5	20.8	22.0	23.2	24.3	26.9	29.9	33.1	36.4	38.9	41.4
-80°	15.1	15.8	16.7	17.5	18.5	20.4	22.5	24.6	26.8	28.4	29.9
-82.5°	10.5	10.9	11.3	11.7	12.0	13.4	14.8	16.2	17.6	18.9	20.1
-85°	7.1	7.2	7.3	7.4	7.5	8.9	10.4	11.9	13.3	14.5	15.7
-87.5°	5.7	5.7	5.8	5.8	5.8	7.0	8.2	9.3	10.4	11.6	12.6
-90°	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.8	0.6



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.7	33.9	31.1	28.3	31.1	33.9	29.7	25.4	21.2	17.0	14.4
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6
75°	2.6	2.3	2.8	3.4	2.8	2.3	2.6	2.8	3.0	3.2	3.4
72.5°	5.8	5.6	5.7	5.7	5.7	5.6	5.8	5.9	6.0	6.1	6.3
70°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.8	7.2	8.1
67.5°	6.1	5.8	5.7	5.7	5.7	5.8	6.1	6.4	6.7	7.2	8.3
65°	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.8	5.0	5.8	7.1
62.5°	4.2	4.4	4.5	4.5	4.5	4.4	4.2	3.9	3.8	4.3	5.3
60°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.8	4.3
57.5°	3.4	3.4	3.8	4.5	3.8	3.4	3.4	3.4	3.4	3.7	4.0
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1
52.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.8	4.1
50°	4.3	4.4	4.5	4.5	4.5	4.4	4.3	4.2	4.1	4.3	4.4
47.5°	5.5	5.6	5.3	4.5	5.3	5.6	5.5	5.3	5.4	5.6	5.6
45°	7.1	6.9	6.8	6.8	6.8	6.9	7.1	7.1	8.4	8.8	7.6
42.5°	11.0	11.1	11.2	11.3	11.2	11.1	11.0	10.7	12.7	16.1	18.8
40°	19.6	20.0	20.2	20.4	20.2	20.0	19.6	18.6	17.9	16.8	18.9
37.5°	29.6	30.1	30.2	30.5	30.2	30.1	29.6	29.2	29.0	26.7	27.7
35°	49.9	49.7	48.0	48.6	48.0	49.7	49.9	50.1	48.4	42.9	46.4
32.5°	107.2	108.0	102.5	93.9	102.5	108.0	107.2	100.5	90.7	82.4	77.2
30°	207.2	224.9	236.9	237.5	236.9	224.9	207.2	187.1	160.4	139.0	120.2
27.5°	365.0	392.6	404.3	410.6	404.3	392.6	365.0	324.8	264.7	231.3	180.9
25°	689.6	752.9	787.1	761.2	787.1	752.9	689.6	589.0	461.0	385.6	308.2
22.5°	1387.7	1508.7	1611.7	1617.5	1611.7	1508.7	1387.7	1148.6	897.2	673.9	521.3
20°	3277.1	3249.6	3510.3	3379.7	3510.3	3249.6	3277.1	2591.9	2099.1	1465.2	1085.3
17.5°	9295.4	10323.6	10891.8	10114.3	10891.8	10323.6	9295.4	7186.3	5980.3	4018.8	2585.2
15°	21369.7	23934.7	25670.3	25448.6	25670.3	23934.7	21369.7	17557.2	13732.0	9714.2	6037.6
12.5°	40180.6	44395.6	47988.4	47837.6	47988.4	44395.6	40180.6	35207.8	26329.8	19368.8	12562.3
10°	69600.7	76949.3	83797.7	84511.3	83797.7	76949.3	69600.7	58411.1	45851.6	33280.0	21223.4
7.5°	96705.8	113254.0	123118.1	125648.9	123118.1	113254.0	96705.8	81061.1	64032.3	47858.2	32399.7
5°	130646.1	149809.6	160176.7	160453.4	160176.7	149809.6	130646.1	104568.5	83108.5	62728.6	42779.3
2.5°	155771.3	177357.7	190087.1	199936.1	190087.1	177357.7	155771.3	125363.4	98030.5	73642.8	50220.2
0°	163243.8	181859.4	202631.0	214179.5	202631.0	181859.4	163243.8	129356.0	101420.7	76242.9	52419.7
-2.5°	153231.1	172721.4	183032.6	192426.1	183032.6	172721.4	153231.1	122441.2	97526.6	73924.9	50608.8
-5°	134209.5	154852.9	164759.9	166874.6	164759.9	154852.9	134209.5	111335.1	89167.2	67599.0	45918.1
-7.5°	106790.8	121320.3	131350.1	135283.5	131350.1	121320.3	106790.8	91295.5	74195.0	55761.5	37121.8
-10°	83578.4	92960.6	97979.7	101317.2	97979.7	92960.6	83578.4	71391.8	58287.3	43106.7	27605.6
-12.5°	63015.7	69798.0	73734.3	75447.7	73734.3	69798.0	63015.7	53869.9	42522.7	30851.2	20496.9
-15°	44854.2	50221.0	52886.4	54583.5	52886.4	50221.0	44854.2	36932.1	29088.1	20941.2	13658.1
-17.5°	30731.1	35046.3	37505.9	39105.5	37505.9	35046.3	30731.1	24769.9	19353.1	13558.1	9160.9
-20°	19662.5	22232.0	24124.6	24676.1	24124.6	22232.0	19662.5	15931.8	12349.5	8697.0	6159.5



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11488.2	13001.0	13954.1	14170.4	13954.1	13001.0	11488.2	9442.3	7320.6	5447.1	4050.4
-25°	6246.4	6905.5	7405.6	7575.0	7405.6	6905.5	6246.4	5361.9	4251.1	3648.6	3028.9
-27.5°	3835.9	4090.8	4275.5	4370.6	4275.5	4090.8	3835.9	3526.6	3084.1	2822.4	2526.0
-30°	2885.2	3001.4	3070.8	3117.3	3070.8	3001.4	2885.2	2726.5	2536.1	2372.0	2207.6
-32.5°	2368.9	2420.9	2452.3	2473.7	2452.3	2420.9	2368.9	2295.5	2192.0	2090.0	2002.2
-35°	2110.0	2143.8	2167.0	2178.5	2167.0	2143.8	2110.0	2063.2	2003.9	1941.0	1873.0
-37.5°	1954.1	1975.4	1990.9	1999.8	1990.9	1975.4	1954.1	1925.4	1886.9	1843.7	1761.8
-40°	1847.8	1862.8	1875.1	1888.9	1875.1	1862.8	1847.8	1826.5	1781.8	1722.1	1627.4
-42.5°	1750.9	1773.1	1784.2	1787.1	1784.2	1773.1	1750.9	1716.2	1647.0	1561.3	1445.7
-45°	1594.2	1655.8	1693.6	1705.7	1693.6	1655.8	1594.2	1516.0	1414.0	1297.2	1166.8
-47.5°	1263.9	1356.1	1425.7	1468.2	1425.7	1356.1	1263.9	1159.2	1045.3	925.4	803.2
-50°	816.7	836.2	843.9	839.3	843.9	836.2	816.7	795.5	772.7	748.7	725.7
-52.5°	718.4	726.2	732.7	737.5	732.7	726.2	718.4	708.3	695.4	678.4	659.1
-55°	643.2	652.0	660.3	667.3	660.3	652.0	643.2	631.2	616.0	596.1	574.0
-57.5°	548.4	557.3	560.7	559.9	560.7	557.3	548.4	537.1	523.7	507.1	488.0
-60°	459.9	466.3	471.0	473.9	471.0	466.3	459.9	451.8	441.9	428.7	413.3
-62.5°	385.7	391.3	397.4	402.7	397.4	391.3	385.7	378.3	368.8	356.1	340.9
-65°	315.0	320.8	325.5	329.2	325.5	320.8	315.0	307.9	299.5	288.8	275.8
-67.5°	263.1	270.0	275.2	279.4	275.2	270.0	263.1	255.2	246.5	235.7	222.3
-70°	211.1	218.0	222.2	225.1	222.2	218.0	211.1	203.4	195.1	184.8	171.5
-72.5°	148.7	153.7	156.1	157.2	156.1	153.7	148.7	142.8	135.9	127.1	114.9
-75°	74.8	77.2	79.5	81.4	79.5	77.2	74.8	71.9	68.7	64.7	59.3
-77.5°	43.7	46.0	47.4	48.6	47.4	46.0	43.7	41.4	38.9	36.4	33.1
-80°	31.3	32.6	33.9	35.1	33.9	32.6	31.3	29.9	28.4	26.8	24.6
-82.5°	21.3	22.5	23.2	23.8	23.2	22.5	21.3	20.1	18.9	17.6	16.2
-85°	16.9	18.1	18.6	19.2	18.6	18.1	16.9	15.7	14.5	13.3	11.9
-87.5°	13.7	14.8	15.3	15.8	15.3	14.8	13.7	12.6	11.6	10.4	9.3
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.9	9.3	6.8	6.5	6.2	6.0	5.7	5.4	5.1	4.8	4.5
87.5°	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4
85°	2.2	2.3	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4
82.5°	2.3	2.3	2.3	2.6	2.9	3.1	3.4	3.5	3.6	3.6	3.6
80°	2.7	2.9	3.0	3.0	3.1	3.3	3.4	3.7	4.0	4.2	4.3
77.5°	2.9	3.2	3.4	3.5	3.6	3.6	3.6	3.7	4.0	4.3	4.5
75°	3.6	3.8	4.1	4.5	4.6	4.5	4.4	4.3	4.3	4.4	4.5
72.5°	6.3	6.3	6.6	7.3	7.6	7.9	7.9	7.3	6.4	5.3	4.5
70°	8.9	9.5	10.8	12.8	14.2	14.8	14.5	13.4	11.5	10.1	8.1
67.5°	9.4	10.6	12.7	15.2	17.1	18.9	20.7	22.1	21.4	19.3	14.0
65°	8.3	9.6	11.2	13.0	15.5	18.5	22.6	25.1	26.5	26.8	22.2
62.5°	6.4	7.7	8.5	9.9	11.7	14.7	19.7	24.1	28.1	29.3	24.9
60°	5.0	5.7	6.3	7.0	8.0	10.8	16.0	21.4	27.0	27.1	25.1
57.5°	4.3	4.7	5.2	5.5	5.7	7.9	12.0	17.4	23.2	23.2	22.4
55°	4.4	4.7	5.1	5.4	5.7	6.6	8.3	11.8	16.6	17.8	17.7
52.5°	4.5	4.8	5.2	5.5	5.7	6.0	6.5	8.5	10.3	12.2	13.1
50°	4.5	4.9	5.3	5.6	5.8	5.8	5.9	6.5	7.5	8.7	9.5
47.5°	5.6	5.5	5.5	5.7	6.1	6.3	6.1	6.0	6.7	6.9	7.7
45°	7.6	7.2	6.6	6.8	6.9	7.0	6.9	7.3	7.0	7.1	6.8
42.5°	16.0	11.9	9.3	10.1	9.5	9.0	8.6	9.3	9.0	8.1	8.7
40°	22.6	24.8	21.0	17.8	16.3	13.4	13.0	12.4	11.9	10.4	12.1
37.5°	27.8	27.2	32.7	34.0	28.8	24.1	20.6	17.9	16.0	16.3	17.3
35°	44.8	43.3	45.0	47.4	46.1	42.1	33.6	26.7	23.3	23.7	23.7
32.5°	72.1	69.3	65.5	65.2	67.6	65.3	54.9	41.1	35.6	33.4	31.4
30°	108.4	102.6	93.6	92.6	97.5	92.2	81.0	71.3	59.0	44.9	40.5
27.5°	168.5	147.9	134.7	139.2	137.8	128.3	120.0	110.2	89.2	67.3	54.4
25°	270.1	230.5	214.5	206.9	192.8	184.3	171.5	154.4	129.5	101.7	89.1
22.5°	414.6	380.9	337.9	293.4	295.6	280.3	239.1	203.4	194.3	194.5	153.7
20°	754.0	637.6	524.4	508.6	485.2	413.1	328.3	322.8	354.3	325.4	240.4
17.5°	1751.2	1207.7	968.0	906.8	778.0	619.7	591.9	562.4	544.6	487.6	344.0
15°	3378.5	2471.4	1836.0	1498.9	1226.5	1067.8	988.1	836.2	764.6	668.0	498.3
12.5°	7559.5	4632.0	2819.0	2283.7	1882.5	1591.8	1425.8	1196.8	1014.5	898.1	729.0
10°	12719.5	7791.9	4694.6	3320.1	2642.9	2165.8	1831.9	1527.5	1277.9	1143.2	966.6
7.5°	19870.4	11789.1	6816.5	4353.1	3338.6	2640.9	2163.1	1814.3	1532.3	1382.2	1206.1
5°	25626.3	14877.3	8207.0	5170.2	3942.8	3102.5	2497.6	2073.2	1777.2	1614.3	1441.1
2.5°	29098.6	16548.7	9142.0	5902.1	4468.1	3495.3	2787.6	2268.8	1951.6	1749.5	1560.6
0°	31131.3	17849.9	10063.4	6248.2	4756.3	3722.5	3001.9	2411.5	2089.1	1859.5	1663.8
-2.5°	29861.6	17615.1	9743.3	6041.4	4560.8	3623.7	2972.1	2455.6	2140.1	1897.4	1668.4
-5°	26797.4	15283.4	8637.7	5567.9	4242.7	3403.0	2836.3	2411.8	2127.7	1903.7	1651.6
-7.5°	22164.6	12595.8	7362.8	4994.1	3855.6	3119.6	2629.4	2266.5	1999.3	1804.1	1549.2
-10°	16423.9	9657.2	6000.7	4311.0	3411.4	2814.9	2415.6	2101.3	1868.5	1700.5	1431.1
-12.5°	12338.8	7229.6	4604.0	3562.6	2936.2	2512.0	2214.6	1927.2	1738.9	1595.5	1300.3
-15°	8221.5	5447.7	3890.4	3056.9	2551.7	2247.1	2027.2	1781.4	1641.5	1495.4	1159.2
-17.5°	6052.6	4109.5	3146.5	2630.1	2274.3	2036.6	1855.3	1677.3	1542.2	1368.8	1009.2
-20°	4229.9	3273.3	2706.5	2309.9	2043.4	1865.5	1701.3	1567.8	1432.1	1191.0	857.2



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3259.9	2784.4	2382.4	2051.8	1847.9	1709.7	1580.7	1459.1	1312.4	1003.3	708.6
-25°	2711.8	2423.4	2155.3	1928.8	1709.4	1566.0	1470.6	1355.5	1132.0	826.0	582.5
-27.5°	2330.2	2145.7	2020.5	1813.9	1615.9	1466.5	1365.8	1238.7	954.7	691.2	557.7
-30°	2066.0	1970.0	1852.0	1678.1	1511.1	1384.2	1278.4	1048.3	797.6	586.7	544.5
-32.5°	1897.0	1812.0	1688.0	1531.3	1403.9	1316.0	1114.2	867.6	640.4	571.8	526.0
-35°	1788.4	1667.7	1529.7	1421.4	1338.9	1157.2	934.6	699.3	595.6	553.1	504.4
-37.5°	1648.0	1520.0	1427.5	1328.4	1161.3	962.8	731.2	625.7	578.9	528.3	476.0
-40°	1515.9	1416.1	1271.4	1122.2	930.5	720.8	653.9	613.1	556.7	498.4	443.3
-42.5°	1315.6	1183.5	1028.4	847.4	702.1	675.0	640.6	585.1	526.3	464.6	409.1
-45°	1023.1	875.7	738.6	710.7	683.9	645.7	604.9	545.3	483.8	426.9	373.3
-47.5°	757.4	729.7	705.9	675.6	636.6	595.9	547.1	493.4	438.2	386.3	344.0
-50°	703.0	676.4	647.5	614.6	572.6	528.5	484.3	439.9	392.9	352.1	311.8
-52.5°	636.6	605.9	572.8	537.8	501.0	461.7	422.3	389.8	353.4	314.3	275.8
-55°	549.6	522.9	493.7	462.6	431.4	402.8	373.4	342.6	309.3	273.0	238.5
-57.5°	466.3	443.7	421.7	399.0	375.6	348.3	319.5	290.7	262.2	230.2	200.5
-60°	396.2	377.7	357.0	335.1	312.1	287.8	263.1	238.0	212.5	191.5	169.8
-62.5°	323.6	304.5	287.7	270.1	250.1	228.2	208.8	192.4	175.6	157.4	136.3
-65°	261.0	244.4	228.0	212.8	197.3	181.6	167.6	152.3	136.2	119.4	100.9
-67.5°	207.7	191.8	178.0	165.1	151.2	135.9	122.2	108.6	96.6	84.6	69.8
-70°	157.5	142.9	129.7	117.2	104.2	92.1	82.4	72.9	62.6	53.4	43.5
-72.5°	102.7	90.5	79.6	70.7	62.2	55.7	49.4	42.7	35.7	28.3	22.7
-75°	53.5	47.3	41.5	37.0	32.1	26.8	24.2	22.9	21.5	20.0	18.2
-77.5°	29.9	26.9	24.3	23.2	22.0	20.8	19.5	18.3	17.0	15.8	14.7
-80°	22.5	20.4	18.5	17.5	16.7	15.8	15.1	14.1	13.2	12.4	11.7
-82.5°	14.8	13.4	12.0	11.7	11.3	10.9	10.5	10.1	9.8	9.6	9.4
-85°	10.4	8.9	7.5	7.4	7.3	7.2	7.1	7.2	7.2	7.1	7.1
-87.5°	8.2	7.0	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.3
-90°	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.6	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.5	4.5	4.5
85°	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.3	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.6	4.8	4.8	4.7	4.5	4.5	4.5	4.5
70°	6.2	4.8	4.5	4.6	4.9	5.2	5.2	4.9	4.5	4.5	4.5
67.5°	9.1	7.0	5.5	4.6	4.6	5.0	5.5	5.4	4.9	4.5	4.5
65°	16.0	10.7	6.7	5.5	4.8	4.6	5.1	5.6	5.4	4.9	4.5
62.5°	20.6	15.7	10.7	7.1	5.3	4.7	4.6	5.3	5.7	5.3	4.7
60°	22.6	18.1	14.5	10.6	6.9	4.8	4.6	5.0	5.5	5.6	5.1
57.5°	20.7	19.2	16.5	13.4	9.8	6.1	4.7	4.9	5.3	5.6	5.4
55°	17.5	16.9	17.3	15.1	12.0	8.4	5.4	5.0	5.3	5.6	5.7
52.5°	13.0	14.9	16.5	16.0	13.3	10.4	7.2	5.1	5.3	5.6	5.7
50°	9.6	12.4	15.5	16.2	14.4	11.5	8.7	6.1	5.4	5.6	5.8
47.5°	8.8	11.2	13.8	16.4	15.4	12.6	9.8	7.1	5.5	5.7	5.8
45°	9.1	11.1	13.0	15.3	16.4	13.4	10.7	7.8	6.0	5.8	5.9
42.5°	10.1	11.8	13.3	14.6	15.6	14.0	11.6	8.5	6.4	5.9	6.1
40°	13.1	13.4	14.1	15.3	15.1	14.4	11.9	9.3	6.6	6.2	6.2
37.5°	17.0	16.4	15.9	17.6	15.7	14.3	12.1	9.9	7.3	6.7	6.4
35°	22.8	20.8	19.8	21.2	19.0	14.7	12.1	10.3	8.5	7.2	6.6
32.5°	29.3	28.0	26.8	25.4	23.4	15.5	12.3	11.3	9.7	7.7	6.8
30°	39.4	41.0	35.4	30.0	28.6	19.7	13.9	12.5	11.0	8.2	7.1
27.5°	61.6	57.9	46.3	37.6	33.0	25.3	17.4	14.0	12.3	9.0	7.5
25°	90.2	80.5	63.0	46.9	37.8	41.1	21.4	15.7	13.5	10.0	8.0
22.5°	124.8	108.1	82.5	57.0	59.7	61.6	30.1	19.0	14.8	11.0	8.4
20°	163.8	139.9	111.2	94.8	87.2	81.2	45.3	22.5	16.3	12.1	8.9
17.5°	212.8	199.2	180.6	144.2	118.7	102.8	63.0	26.4	17.8	13.1	9.3
15°	348.4	290.4	257.6	199.5	152.2	126.1	82.6	30.4	19.3	14.0	9.8
12.5°	512.0	383.5	340.1	259.2	187.4	150.6	103.6	34.5	20.9	15.1	10.4
10°	687.1	477.7	426.3	321.9	223.5	175.9	125.3	39.5	23.6	16.3	11.1
7.5°	868.0	572.2	514.4	385.9	259.4	201.1	149.1	46.6	26.6	17.5	11.7
5°	1031.1	652.0	585.1	440.3	291.7	225.2	172.3	53.6	29.5	18.5	12.4
2.5°	1109.7	707.8	641.1	490.4	322.6	248.4	193.7	60.4	32.4	19.5	13.0
0°	1171.8	761.2	692.2	536.1	351.8	270.3	212.6	66.7	35.1	20.4	13.6
-2.5°	1177.8	759.9	685.4	535.4	362.2	279.0	216.6	76.4	43.1	25.9	16.2
-5°	1165.7	755.5	674.0	530.1	370.2	286.0	217.7	85.4	50.8	31.1	18.7
-7.5°	1096.9	730.4	651.9	519.6	375.6	290.9	216.1	93.6	58.0	36.0	21.0
-10°	1002.9	692.3	616.5	496.0	369.5	290.3	212.2	100.9	64.5	40.4	22.9
-12.5°	893.3	653.4	580.7	470.7	359.8	284.8	205.5	107.6	70.3	44.1	24.6
-15°	768.9	614.3	545.8	444.5	348.2	278.4	197.9	113.3	75.6	47.6	25.9
-17.5°	634.6	575.4	512.7	418.3	335.1	271.1	190.0	118.0	80.2	50.8	27.4
-20°	593.9	545.4	481.6	392.8	320.6	263.2	182.2	121.4	84.0	53.2	28.7



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	570.7	521.4	454.2	373.1	306.8	254.7	175.0	123.6	86.9	54.8	29.5
-25°	548.0	497.3	428.0	355.8	295.6	242.5	172.3	124.4	88.8	55.4	29.5
-27.5°	522.1	471.5	401.8	337.2	284.8	232.2	172.4	126.1	89.7	55.0	28.9
-30°	495.4	441.9	378.8	319.1	273.0	219.9	170.9	126.7	89.1	54.1	27.5
-32.5°	473.4	413.3	355.8	305.0	258.7	207.0	164.4	126.1	87.1	52.4	26.4
-35°	446.9	387.8	332.4	289.8	243.1	196.3	155.7	124.3	83.7	49.5	25.1
-37.5°	418.4	362.4	314.9	273.0	227.1	184.1	147.7	115.9	78.8	45.6	23.1
-40°	388.9	338.3	296.7	255.0	211.8	170.5	138.6	105.7	73.1	40.5	20.4
-42.5°	358.0	316.5	275.8	236.2	195.4	159.3	128.2	94.4	64.2	36.0	17.1
-45°	332.1	292.1	252.6	215.1	178.3	146.9	114.5	82.2	54.3	31.4	14.6
-47.5°	303.5	264.7	227.8	192.5	163.0	132.5	99.6	70.2	43.7	25.9	13.9
-50°	271.6	235.9	201.8	172.2	145.7	114.6	84.0	57.4	36.1	19.2	13.0
-52.5°	239.4	206.2	177.7	152.2	124.6	95.5	68.8	44.4	28.1	16.1	12.0
-55°	205.9	179.1	154.9	129.1	102.1	77.0	52.8	35.0	19.8	14.7	11.0
-57.5°	176.8	153.4	128.9	104.0	80.4	58.1	39.8	25.3	16.5	13.1	10.3
-60°	147.7	124.2	101.1	79.7	59.0	41.9	28.6	17.9	14.7	11.7	9.5
-62.5°	115.0	94.2	74.7	55.7	41.2	29.1	18.7	15.8	12.9	10.7	8.7
-65°	83.9	66.2	48.7	37.9	27.0	18.8	16.4	13.8	11.6	9.8	7.9
-67.5°	54.3	42.9	32.0	22.2	18.4	16.3	14.1	12.3	10.5	8.8	7.4
-70°	33.6	24.0	19.6	17.5	15.6	13.8	12.5	11.0	9.4	8.1	6.8
-72.5°	20.5	18.3	16.3	14.5	13.3	12.2	11.0	9.8	8.6	7.4	6.2
-75°	16.4	15.0	13.7	12.6	11.6	10.6	9.8	8.9	7.8	6.7	6.0
-77.5°	13.6	12.6	11.6	10.7	10.0	9.3	8.6	8.0	7.1	6.4	5.9
-80°	11.0	10.3	9.6	8.9	8.3	7.9	7.5	7.2	6.5	6.1	5.8
-82.5°	8.8	8.2	7.7	7.3	7.0	6.8	6.5	6.3	5.9	5.7	5.6
-85°	6.8	6.5	6.2	6.0	5.9	5.7	5.6	5.5	5.4	5.3	5.2
-87.5°	5.3	5.3	5.2	5.2	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-90°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	5.0	4.9	4.6	4.5	4.5	4.5	4.5
55°	5.2	5.0	4.7	4.5	4.5	4.5	4.5
52.5°	5.4	5.1	4.9	4.5	4.6	4.5	4.5
50°	5.6	5.3	5.0	4.5	4.6	4.5	4.5
47.5°	5.7	5.4	5.1	4.5	4.6	4.5	4.5
45°	5.8	5.5	5.3	4.6	4.6	4.5	4.5
42.5°	5.9	5.6	5.4	4.7	4.7	4.5	4.5
40°	6.0	5.6	5.5	4.9	4.7	4.5	4.5
37.5°	6.2	5.7	5.6	5.0	4.8	4.5	4.5
35°	6.3	5.8	5.6	5.1	4.8	4.5	4.5
32.5°	6.5	5.9	5.7	5.2	4.9	4.5	4.5
30°	6.7	6.0	5.7	5.3	4.9	4.5	4.5
27.5°	6.8	6.1	5.7	5.4	5.0	4.5	4.5
25°	7.0	6.3	5.7	5.5	5.1	4.5	4.5
22.5°	7.2	6.4	5.7	5.5	5.1	4.5	4.5
20°	7.5	6.5	5.7	5.6	5.2	4.5	4.5
17.5°	7.6	6.5	5.7	5.6	5.3	4.5	4.5
15°	7.7	6.6	5.7	5.7	5.3	4.5	4.5
12.5°	7.7	6.7	5.7	5.7	5.4	4.5	4.5
10°	7.8	6.7	5.7	5.7	5.5	4.5	4.5
7.5°	7.8	6.8	5.7	5.7	5.5	4.5	4.5
5°	7.9	6.8	5.7	5.7	5.6	4.5	4.5
2.5°	7.9	6.8	5.7	5.7	5.6	4.5	4.5
0°	7.9	6.8	5.7	5.7	5.7	4.5	4.5
-2.5°	8.9	7.0	5.8	5.7	5.7	4.5	4.5
-5°	10.0	7.3	5.9	5.7	5.7	4.5	4.5
-7.5°	10.9	7.5	6.0	5.7	5.7	4.5	4.5
-10°	11.7	7.6	6.1	5.7	5.7	4.5	4.5
-12.5°	12.4	7.8	6.1	5.7	5.6	4.5	4.5
-15°	13.0	7.9	6.2	5.7	5.6	4.5	4.5
-17.5°	13.4	8.0	6.2	5.7	5.6	4.5	4.5
-20°	13.8	8.1	6.3	5.7	5.6	4.5	4.5



REPORT NUMBER: P1305483 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-3S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.2	8.1	6.3	5.7	5.5	4.5	4.5
-25°	14.3	8.2	6.3	5.7	5.5	4.5	4.5
-27.5°	14.0	8.2	6.3	5.7	5.4	4.5	4.5
-30°	13.2	8.3	6.2	5.7	5.4	4.5	4.5
-32.5°	12.1	8.2	6.2	5.7	5.3	4.5	4.5
-35°	11.6	8.1	6.2	5.7	5.3	4.5	4.5
-37.5°	11.5	7.9	6.2	5.7	5.2	4.5	4.5
-40°	11.2	7.9	6.1	5.7	5.1	4.5	4.5
-42.5°	10.8	7.8	6.1	5.7	5.1	4.5	4.5
-45°	10.3	7.6	6.1	5.7	5.0	4.5	4.5
-47.5°	9.7	7.4	6.1	5.7	4.9	4.5	4.5
-50°	9.3	7.2	6.0	5.6	4.8	4.5	4.5
-52.5°	8.9	6.9	6.0	5.5	4.8	4.5	4.5
-55°	8.5	6.7	5.9	5.4	4.7	4.5	4.5
-57.5°	8.0	6.5	5.8	5.3	4.6	4.5	4.5
-60°	7.4	6.3	5.7	5.2	4.5	4.5	4.5
-62.5°	7.1	6.1	5.6	5.1	4.5	4.5	4.5
-65°	6.7	5.8	5.5	5.0	4.5	4.5	4.5
-67.5°	6.2	5.7	5.4	4.9	4.5	4.5	4.5
-70°	5.8	5.6	5.3	4.8	4.5	4.5	4.5
-72.5°	5.7	5.5	5.2	4.7	4.5	4.5	4.5
-75°	5.7	5.4	5.1	4.7	4.5	4.5	4.5
-77.5°	5.7	5.4	5.0	4.7	4.5	4.5	4.5
-80°	5.7	5.3	4.9	4.6	4.5	4.5	4.5
-82.5°	5.4	5.1	4.8	4.6	4.5	4.5	4.5
-85°	5.1	4.9	4.7	4.6	4.5	4.5	4.5
-87.5°	4.8	4.7	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)