

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: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-80-5S-CV1-A**

Issue Date: 2/3/2026

**Test Information**

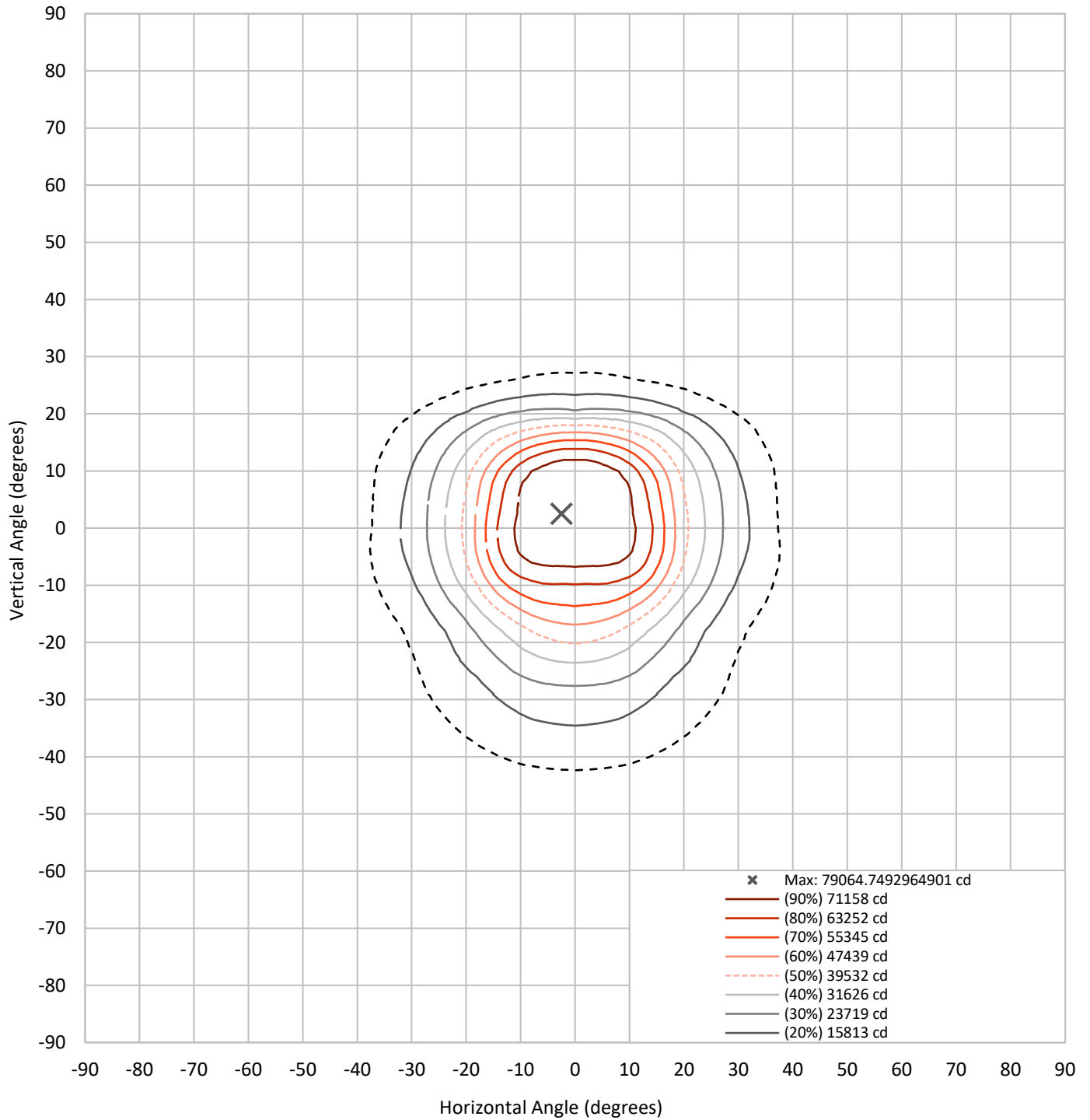
Test Method: LM-79-08  
Report Number: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-40-80-5S-CV1-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	42211.5 lumens	Max Intensity:	79064.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	126.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	23258.7 lumens	Field Lumens:	39255.8 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
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: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

### Iso-Candela Plot





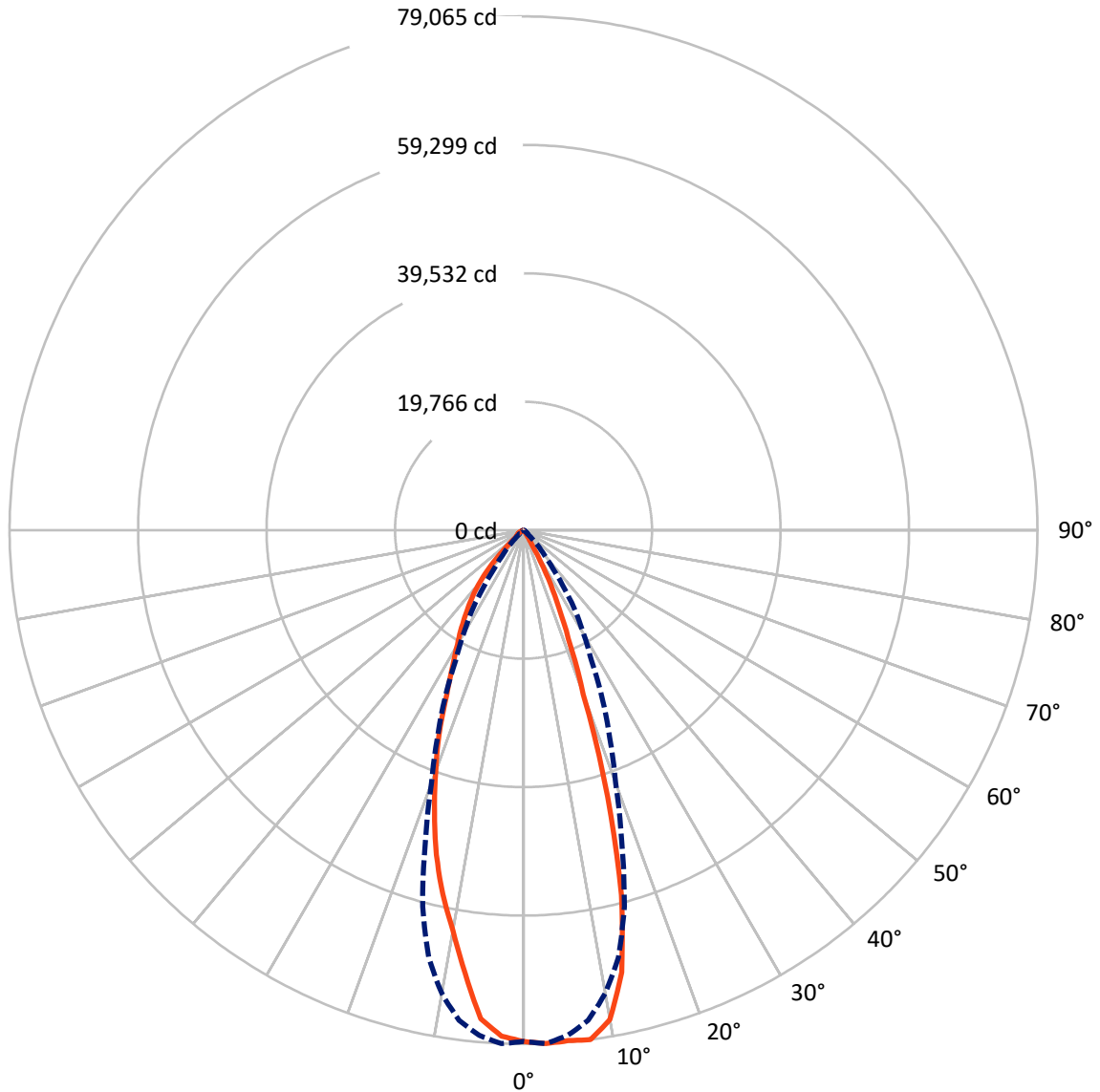
REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

### Lumen Table

90	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.1							
80	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.1							
70	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1			
60		0.1	0.1	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.1	0.1				
50	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.6	0.6	0.7	0.6	0.4	0.3	0.2	0.1	0.1			
40		0.1	0.4	1.3	2.8	6.0	14.1	20.1	20.1	14.1	6.0	2.8	1.3	0.4	0.1				
30	0.1	0.2	2.3	8.4	46.0	141.3	284.4	382.6	382.6	284.4	141.3	46.0	8.4	2.3	0.2	0.1			
20		0.6	5.5	30.4	189.7	540.0	1119.4	1612.1	1612.1	1119.4	540.0	189.7	30.4	5.5	0.6				
10	0.1	1.0	7.4	48.0	272.6	776.8	1678.3	2320.9	2320.9	1678.3	776.8	272.6	48.0	7.4	1.0	0.1			
0		1.3	8.0	50.2	274.6	757.3	1653.9	2192.3	2192.3	1653.9	757.3	274.6	50.2	8.0	1.3				
-10	0.2	1.5	7.7	33.7	180.5	499.5	1062.5	1511.4	1511.4	1062.5	499.5	180.5	33.7	7.7	1.5	0.2			
-20		1.5	7.3	18.8	106.4	305.9	594.6	841.0	841.0	594.6	305.9	106.4	18.8	7.3	1.5				
-30	0.2	1.2	5.9	14.0	42.8	168.6	329.1	450.3	450.3	329.1	168.6	42.8	14.0	5.9	1.2	0.2			
-40		0.8	3.8	10.9	21.0	39.2	93.0	144.5	144.5	93.0	39.2	21.0	10.9	3.8	0.8				
-50	0.1	0.4	1.9	6.0	12.9	21.0	28.7	33.2	33.2	28.7	21.0	12.9	6.0	1.9	0.4	0.1			
-60		0.2	0.7	2.0	4.4	7.5	11.1	13.1	13.1	11.1	7.5	4.4	2.0	0.7	0.2				
-70	0.1	0.4	1.5	3.5	4.7	3.5	1.5	0.4	0.1							0.1			
-80		0.4	1.5	3.5	4.7	3.5	1.5	0.4	0.1										
-90	0.1	0.4	1.5	3.5	4.7	3.5	1.5	0.4	0.1							0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

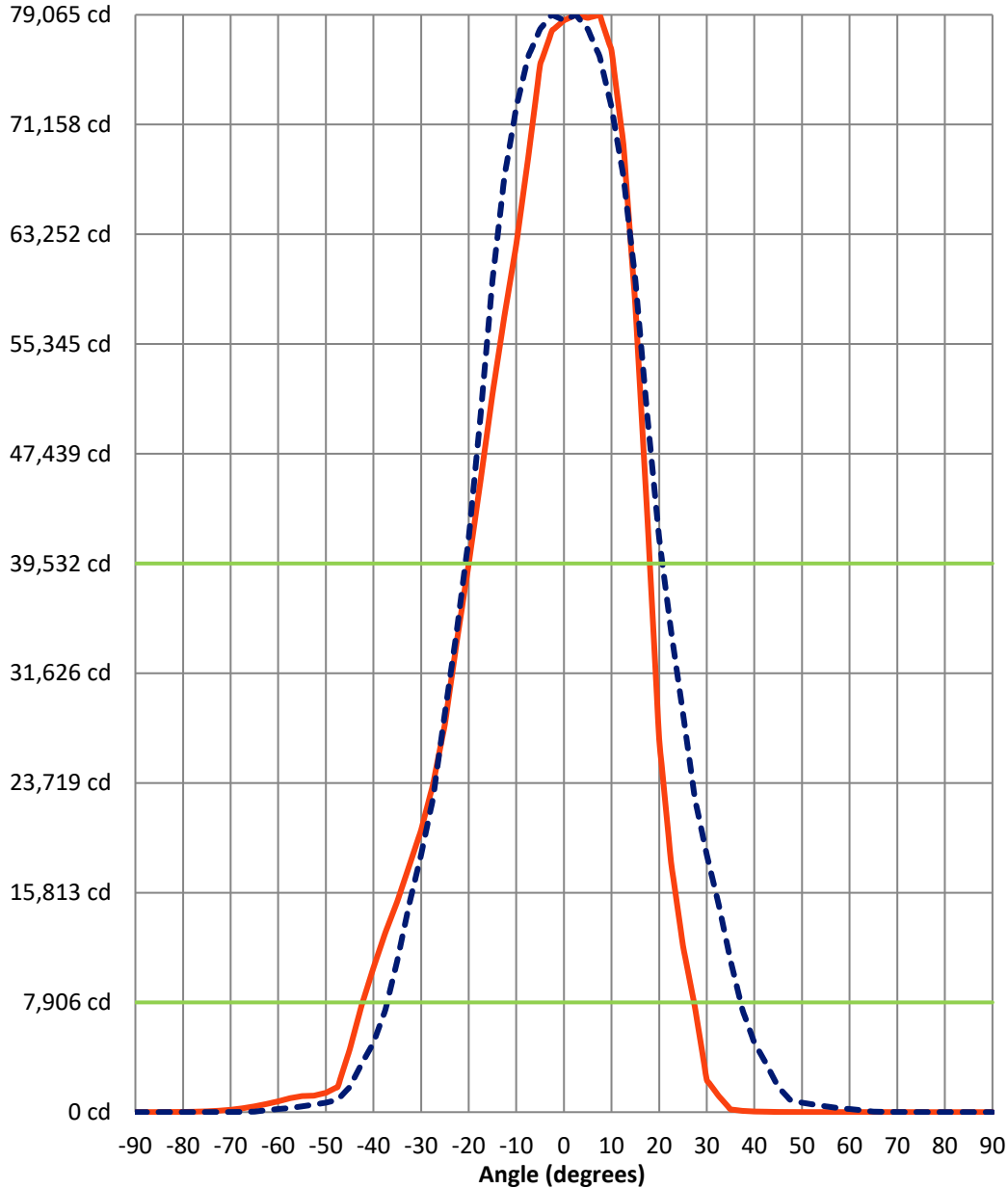
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through 2.5-Deg

REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.4°  
 V Angle: 38°  
 Lumens: 23258.7  
 Efficiency: 55.1%

**Field:**  
 H Angle: 74.2°  
 V Angle: 69.6°  
 Lumens: 39255.8  
 Efficiency: 93.0%

**Spill:**  
 Lumens: 2955.6  
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 2.5-Deg



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.7	2.6
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.2	3.1	3.0	3.1
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.3	3.4
75°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.7
52.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.6	3.5	3.4	3.7	3.9
50°	3.4	3.4	3.4	3.4	3.4	3.5	3.7	3.6	3.5	4.0	4.5
47.5°	3.4	3.4	3.4	3.4	3.4	3.6	3.8	3.6	3.8	4.3	5.1
45°	3.4	3.4	3.4	3.4	3.4	3.7	3.9	3.7	4.1	4.7	5.6
42.5°	3.4	3.4	3.4	3.4	3.4	3.9	3.9	3.9	4.5	5.1	6.0
40°	3.4	3.4	3.4	3.4	3.5	4.0	4.0	4.2	4.8	5.5	6.3
37.5°	3.4	3.4	3.4	3.4	3.6	4.2	4.0	4.4	5.2	5.9	6.6
35°	3.4	3.4	3.4	3.5	3.7	4.3	4.1	4.7	5.5	6.3	7.0
32.5°	3.4	3.4	3.4	3.5	3.8	4.3	4.2	5.0	5.8	6.7	7.9
30°	3.4	3.4	3.4	3.6	3.9	4.4	4.4	5.3	6.1	7.1	9.0
27.5°	3.4	3.4	3.4	3.6	4.0	4.4	4.6	5.5	6.4	7.6	10.3
25°	3.4	3.4	3.4	3.7	4.1	4.5	4.8	5.8	6.8	8.4	11.7
22.5°	3.4	3.4	3.4	3.8	4.2	4.5	5.0	6.0	7.2	9.5	14.4
20°	3.4	3.4	3.4	3.8	4.3	4.5	5.2	6.2	7.6	10.6	17.2
17.5°	3.4	3.4	3.4	3.9	4.4	4.5	5.4	6.4	7.9	11.8	20.3
15°	3.4	3.4	3.4	4.0	4.4	4.5	5.4	6.5	8.3	13.0	23.4
12.5°	3.4	3.4	3.4	4.1	4.5	4.5	5.5	6.6	8.7	14.2	26.5
10°	3.4	3.4	3.4	4.2	4.5	4.5	5.6	6.7	9.0	15.5	29.6
7.5°	3.4	3.4	3.4	4.3	4.5	4.5	5.6	6.7	9.4	16.9	32.5
5°	3.4	3.4	3.4	4.3	4.5	4.5	5.7	6.8	9.7	18.1	35.2
2.5°	3.4	3.4	3.4	4.4	4.5	4.5	5.7	6.8	10.0	19.3	37.5
0°	3.4	3.4	3.4	4.5	4.5	4.5	5.7	6.8	10.2	20.3	39.6
-2.5°	3.4	3.4	3.4	4.5	4.5	4.6	6.0	8.0	13.6	26.5	49.4
-5°	3.4	3.4	3.5	4.5	4.5	4.8	6.3	9.2	16.9	32.4	58.6
-7.5°	3.4	3.4	3.5	4.5	4.5	4.9	6.5	10.3	20.0	37.8	66.9
-10°	3.4	3.4	3.6	4.5	4.5	5.0	6.7	11.2	22.6	42.7	74.3
-12.5°	3.4	3.4	3.6	4.4	4.5	5.1	6.9	12.0	24.8	46.9	81.5
-15°	3.4	3.4	3.7	4.4	4.5	5.2	7.0	12.6	26.9	50.9	87.5
-17.5°	3.4	3.4	3.7	4.4	4.5	5.2	7.1	13.5	28.8	54.0	91.9
-20°	3.4	3.4	3.7	4.4	4.5	5.2	7.4	14.6	30.2	56.0	94.5



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	3.4	3.8	4.4	4.5	5.2	8.0	15.4	30.9	56.9	95.2
-25°	3.4	3.4	3.8	4.4	4.5	5.3	8.4	15.9	30.8	56.6	93.7
-27.5°	3.4	3.4	3.8	4.4	4.5	5.4	8.6	15.9	30.0	55.5	93.0
-30°	3.4	3.4	3.8	4.4	4.5	5.4	8.7	15.5	29.5	54.5	90.8
-32.5°	3.4	3.4	3.8	4.4	4.6	5.4	8.5	15.4	29.0	52.4	86.9
-35°	3.4	3.4	3.8	4.4	4.6	5.2	8.3	15.2	27.9	49.1	81.1
-37.5°	3.4	3.4	3.8	4.4	4.7	5.1	8.1	14.6	26.3	44.7	73.7
-40°	3.4	3.4	3.8	4.5	4.7	5.2	7.8	13.7	24.0	41.5	66.4
-42.5°	3.4	3.4	3.8	4.5	4.7	5.2	7.4	12.4	22.1	37.6	58.2
-45°	3.4	3.4	3.7	4.5	4.7	5.2	6.8	11.2	20.2	33.2	49.8
-47.5°	3.4	3.4	3.7	4.5	4.7	5.2	6.1	10.3	17.9	28.4	44.3
-50°	3.4	3.4	3.6	4.4	4.7	5.2	5.9	9.2	15.0	25.0	38.3
-52.5°	3.4	3.4	3.6	4.3	4.7	5.1	5.8	8.0	13.0	21.3	32.0
-55°	3.4	3.4	3.5	4.2	4.6	5.0	5.7	6.7	11.2	17.2	27.2
-57.5°	3.4	3.4	3.5	4.1	4.6	5.0	5.6	6.5	9.3	14.4	22.0
-60°	3.4	3.4	3.4	4.0	4.5	4.8	5.4	6.3	7.5	11.9	17.2
-62.5°	3.4	3.4	3.4	3.9	4.4	4.7	5.2	6.0	7.1	9.2	14.0
-65°	3.4	3.4	3.4	3.8	4.3	4.6	5.0	5.7	6.7	8.0	10.6
-67.5°	3.4	3.4	3.4	3.7	4.2	4.5	4.8	5.4	6.1	7.3	8.8
-70°	3.4	3.4	3.4	3.6	4.1	4.4	4.5	5.1	5.8	6.4	7.7
-72.5°	3.4	3.4	3.4	3.6	4.0	4.3	4.5	4.8	5.4	6.0	6.6
-75°	3.4	3.4	3.4	3.6	3.9	4.3	4.5	4.7	5.1	5.6	6.2
-77.5°	3.4	3.4	3.4	3.6	3.9	4.2	4.5	4.6	4.9	5.3	5.7
-80°	3.4	3.4	3.4	3.5	3.8	4.1	4.5	4.6	4.7	5.0	5.3
-82.5°	3.4	3.4	3.4	3.5	3.7	3.9	4.2	4.4	4.5	4.6	4.8
-85°	3.4	3.4	3.4	3.5	3.6	3.8	4.0	4.1	4.2	4.2	4.3
-87.5°	3.4	3.4	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.8	3.9
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.6	2.6	2.5	2.3	2.3	2.3	2.3	2.4	2.5	2.5	2.4
80°	3.0	2.9	2.6	2.3	2.4	2.6	2.8	3.2	3.1	2.9	2.8
77.5°	3.2	2.9	2.6	2.4	2.5	2.9	3.2	3.4	3.3	3.3	3.4
75°	3.2	2.9	2.8	2.8	3.1	3.3	3.4	3.6	3.8	3.8	3.7
72.5°	3.3	3.2	3.2	3.4	3.4	3.6	3.9	4.3	4.5	4.5	4.4
70°	3.4	3.4	3.4	3.4	3.5	3.8	4.4	5.0	5.4	5.6	6.2
67.5°	3.4	3.4	3.4	3.5	3.9	4.5	5.1	6.5	8.2	8.8	9.4
65°	3.4	3.4	3.5	3.9	4.4	5.4	6.8	8.8	12.1	13.7	14.4
62.5°	3.4	3.5	3.8	4.4	5.1	6.3	9.1	12.9	17.1	19.4	18.9
60°	3.4	3.5	4.3	5.2	6.1	8.6	12.3	16.6	22.0	25.8	23.2
57.5°	3.5	4.0	5.1	6.2	8.1	10.6	14.4	19.6	25.1	30.9	26.7
55°	3.9	4.9	6.1	7.6	9.6	11.5	15.3	20.2	26.2	30.0	26.3
52.5°	4.8	5.8	6.8	8.6	10.5	12.0	14.3	18.9	22.5	25.5	23.5
50°	5.5	6.2	7.3	9.3	11.1	12.0	11.9	15.4	18.4	19.7	19.9
47.5°	6.0	6.7	8.0	10.0	11.4	11.7	10.7	12.4	14.7	16.0	15.6
45°	6.4	7.4	8.8	10.6	11.7	11.3	11.1	10.5	13.3	14.5	14.7
42.5°	6.8	8.2	10.0	11.3	11.8	12.4	12.7	12.7	14.1	17.0	18.4
40°	7.4	9.0	11.3	12.5	12.7	14.7	16.7	18.2	19.2	23.1	25.8
37.5°	8.1	10.5	13.2	15.2	15.5	19.0	22.1	32.1	34.1	31.2	41.0
35°	8.8	12.1	16.7	21.5	24.2	25.1	38.9	52.4	58.2	57.0	65.3
32.5°	9.9	13.8	21.2	32.1	42.8	45.6	60.3	83.2	103.7	112.0	106.9
30°	11.9	18.1	28.5	45.6	69.9	96.6	100.8	126.2	167.6	201.4	251.9
27.5°	14.8	23.5	41.4	70.4	109.3	163.9	177.3	199.4	261.0	345.7	508.4
25°	18.2	37.5	56.2	103.5	175.4	239.5	264.7	306.4	377.8	651.7	1026.3
22.5°	25.7	56.1	86.6	141.5	252.5	318.7	364.3	434.3	604.0	1041.4	1770.6
20°	39.1	81.9	124.9	189.6	334.0	402.2	463.5	569.9	949.0	1762.3	2947.4
17.5°	54.9	109.8	164.6	247.5	378.0	471.3	566.1	709.1	1311.0	2603.0	4177.5
15°	72.5	139.3	201.9	297.6	416.5	516.8	649.2	978.8	1885.8	3562.8	5307.5
12.5°	91.4	169.7	236.8	340.4	452.3	559.6	717.4	1209.2	2484.8	4434.9	6468.4
10°	110.8	200.5	269.3	376.5	485.1	599.2	779.1	1419.8	2907.2	4762.0	7024.5
7.5°	122.8	219.7	295.7	406.5	514.7	635.4	833.8	1605.7	3206.1	4927.0	7253.7
5°	131.9	224.6	298.3	415.3	533.5	664.1	876.4	1761.7	3391.8	4950.4	7324.4
2.5°	138.8	226.5	298.7	418.0	544.9	683.6	891.0	1813.3	3477.0	4995.7	7373.3
0°	143.5	226.0	297.2	417.0	552.7	698.5	896.3	1823.0	3478.8	5024.9	7391.6
-2.5°	151.2	234.1	312.3	434.5	561.4	701.6	903.6	1874.3	3647.6	5341.3	7949.4
-5°	156.6	240.2	324.9	448.2	566.6	700.0	902.3	1877.1	3668.8	5414.7	7972.0
-7.5°	160.0	244.2	334.4	456.3	562.1	682.4	871.5	1725.4	3346.0	5082.6	7430.4
-10°	162.0	249.3	341.1	451.6	545.3	653.5	827.7	1537.8	2959.9	4655.4	6775.8
-12.5°	165.7	255.3	345.6	446.1	529.7	621.7	776.2	1319.6	2521.5	4133.3	6017.3
-15°	166.9	259.2	347.8	440.7	516.6	587.5	717.2	1075.1	2082.1	3674.9	5266.4
-17.5°	165.4	261.1	347.9	436.3	507.4	551.4	656.9	863.8	1754.6	3229.9	4698.4
-20°	161.2	260.9	346.0	433.6	501.6	539.5	637.1	817.8	1473.1	2708.6	4161.8



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	154.3	258.7	342.7	429.0	501.0	550.4	620.2	759.8	1119.9	2106.6	3605.6
-25°	149.7	248.9	337.4	417.2	497.6	562.2	602.1	697.7	898.7	1646.8	2856.0
-27.5°	147.6	235.9	321.7	400.2	488.9	568.9	605.5	675.2	817.4	1141.8	2066.3
-30°	142.6	213.9	302.9	378.9	468.5	555.4	618.9	651.9	743.8	932.8	1476.7
-32.5°	132.6	191.4	278.0	355.7	440.1	535.5	621.3	653.9	713.2	822.1	1025.9
-35°	121.1	177.1	250.8	328.9	406.2	502.8	593.5	663.0	689.1	767.8	910.1
-37.5°	111.0	160.2	223.1	298.8	373.6	462.5	562.4	643.2	696.9	731.4	836.6
-40°	99.2	141.0	200.1	268.1	340.8	421.9	514.4	608.7	684.8	750.1	794.3
-42.5°	86.4	126.1	176.5	237.4	307.5	382.7	462.8	556.1	653.5	746.6	814.7
-45°	76.3	109.6	151.5	208.8	272.2	341.7	416.7	495.5	597.2	702.2	797.3
-47.5°	65.2	93.0	131.3	177.7	236.4	300.1	368.1	442.7	526.5	627.5	736.7
-50°	54.6	79.5	109.0	150.4	199.5	257.3	319.5	384.7	458.9	542.9	639.0
-52.5°	47.2	65.0	91.3	122.9	165.1	214.2	269.2	326.7	389.9	459.0	537.9
-55°	39.3	54.7	73.8	99.8	131.6	173.6	218.4	269.4	322.0	382.0	442.7
-57.5°	32.4	45.0	59.8	79.0	104.4	133.3	172.3	212.6	259.3	307.8	356.3
-60°	25.8	35.9	48.1	62.7	80.0	103.8	128.5	162.2	199.5	236.1	276.5
-62.5°	19.4	27.6	37.2	48.7	62.7	76.6	96.2	119.3	143.8	173.9	203.5
-65°	15.3	19.9	27.2	36.5	46.5	58.3	70.5	83.0	102.6	122.2	140.7
-67.5°	11.1	15.2	19.4	24.6	33.0	41.5	50.3	61.1	72.0	82.3	94.3
-70°	9.1	10.7	14.0	17.9	21.6	26.1	33.4	41.1	48.8	56.5	65.1
-72.5°	7.6	9.0	10.4	12.0	15.0	18.0	20.9	23.7	28.6	34.9	41.0
-75°	6.7	7.2	8.3	9.6	10.9	12.1	13.5	15.9	18.4	20.8	23.2
-77.5°	6.1	6.5	6.9	7.5	8.2	9.3	10.3	11.3	12.3	13.2	14.1
-80°	5.5	5.7	6.0	6.3	6.7	7.2	7.8	8.4	9.0	9.8	10.6
-82.5°	5.0	5.1	5.2	5.4	5.5	5.6	5.8	6.1	6.4	6.8	7.3
-85°	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.1	5.2
-87.5°	3.9	3.9	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.3
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.3	2.3
87.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	1.7
80°	2.6	2.6	2.6	2.5	2.3	2.3	2.3	2.3	2.3	2.0	1.7
77.5°	3.4	3.2	2.9	2.6	2.4	2.3	2.3	2.3	2.3	2.0	1.7
75°	3.5	3.3	3.1	3.0	2.9	2.8	2.7	2.5	2.3	2.3	2.2
72.5°	4.3	4.2	4.2	4.3	4.3	4.2	4.0	3.7	3.3	3.2	3.3
70°	6.5	6.7	6.8	6.7	6.4	5.8	5.4	4.9	4.4	4.3	4.4
67.5°	10.0	10.1	9.8	9.1	7.9	6.9	6.3	5.6	4.9	4.6	4.9
65°	14.2	12.5	11.2	10.0	8.9	8.0	7.2	6.5	5.8	5.6	6.3
62.5°	16.9	13.3	11.2	10.3	9.6	8.9	7.9	7.0	6.2	5.8	5.8
60°	19.3	14.2	10.7	9.8	8.9	8.0	7.0	6.1	5.4	4.9	4.7
57.5°	20.4	14.5	9.8	8.6	7.3	6.2	5.6	5.4	5.0	4.5	4.8
55°	19.7	13.5	8.3	7.4	7.0	6.8	6.6	6.0	5.6	5.3	5.5
52.5°	16.9	12.3	8.9	7.7	7.4	7.1	6.8	6.7	6.6	6.4	6.5
50°	15.0	11.4	9.1	7.8	7.8	7.8	7.8	7.9	8.1	8.1	8.2
47.5°	13.4	10.7	10.2	8.9	9.1	9.9	10.0	10.2	10.8	10.7	10.4
45°	13.3	14.3	14.0	13.3	12.8	17.8	18.1	15.2	18.0	17.7	15.5
42.5°	19.6	21.0	21.3	26.2	35.4	34.9	34.0	38.5	35.4	31.0	27.8
40°	30.4	30.4	36.0	44.2	43.9	42.2	47.8	48.6	48.2	50.8	49.9
37.5°	48.3	48.9	51.5	56.4	65.1	61.0	73.2	81.1	82.4	93.3	101.7
35°	80.4	94.2	81.9	111.2	130.5	126.3	144.1	176.0	146.0	223.5	237.5
32.5°	150.7	181.7	205.5	239.1	282.4	346.4	351.1	577.7	623.1	756.9	939.7
30°	259.4	349.4	522.2	567.4	637.1	902.2	1215.8	1608.1	1972.8	2233.4	2576.0
27.5°	624.6	773.2	1145.6	1550.1	1526.5	2022.0	3143.5	3488.5	4435.5	4750.5	5549.9
25°	1397.1	1753.0	2654.2	3457.5	3866.8	5172.3	6652.0	7319.3	8566.7	9230.0	10208.6
22.5°	2732.1	3708.5	4903.9	6137.3	7674.4	9673.4	11502.5	12837.6	14517.3	15865.7	16663.9
20°	4422.1	5773.1	7614.0	9530.1	11907.5	14533.7	16442.8	19147.8	21674.0	24072.9	25154.9
17.5°	6031.4	8288.6	10515.8	12828.4	15947.1	19382.3	22493.9	26450.0	30638.9	33860.1	36486.1
15°	7395.0	9906.7	13120.1	15884.0	19453.6	23737.4	28363.2	33420.9	39445.0	44023.6	48954.3
12.5°	8653.7	11172.2	14658.8	17959.8	22766.2	27604.5	33002.7	39287.0	46250.7	53023.7	59377.1
10°	9464.1	12366.7	16102.9	20113.3	25036.8	30654.9	36795.6	43835.7	52759.7	60502.9	67660.7
7.5°	9954.4	13456.1	17324.9	21601.2	26871.9	32653.1	39120.1	47419.5	56795.9	64884.0	71314.3
5°	10436.6	14348.6	18113.7	22318.4	28066.3	33949.2	40257.1	48582.2	58253.1	66348.9	72123.3
2.5°	10920.1	14963.0	18547.0	22603.8	28744.5	34681.7	41360.2	50229.5	59950.4	67385.6	72401.7
0°	11362.1	15182.2	18702.8	22675.5	29039.8	35001.6	41801.0	50559.1	61403.5	68554.3	73410.9
-2.5°	11522.3	15170.3	18534.2	22473.1	28793.2	34563.7	41330.8	50769.3	60889.3	68165.7	73097.1
-5°	11034.9	14345.3	17619.1	21608.8	27483.8	33440.1	40252.7	49611.7	59218.2	66751.1	71453.6
-7.5°	10118.3	13109.5	16329.4	20283.0	25621.0	31376.9	37578.6	45753.5	55210.8	62228.5	65932.2
-10°	9159.0	11724.6	14766.4	18425.6	23129.7	28595.8	33736.4	40692.3	49433.4	55654.9	59445.3
-12.5°	8062.3	10144.3	12951.9	16150.2	20349.1	25114.5	29816.3	35699.8	42375.4	48774.4	52720.5
-15°	6911.1	8586.5	11026.0	14095.0	17411.1	20975.5	25323.4	30089.2	35412.2	40599.0	45094.3
-17.5°	5989.5	7282.5	9521.1	12279.2	14807.7	17699.4	21937.1	25811.4	29707.1	33890.2	37635.2
-20°	5396.9	6610.5	8418.8	10721.6	13230.0	16144.9	19419.7	22808.3	26429.5	29641.3	32942.0



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4923.8	6171.2	7566.5	9485.6	12155.5	14833.5	17352.7	19945.9	22950.2	26230.8	28995.9
-25°	4309.3	5617.4	6943.0	8768.4	11016.2	13383.2	15238.0	17084.4	19795.1	22585.1	24871.0
-27.5°	3454.7	4933.8	6481.4	7967.2	9883.3	11566.7	13196.6	14870.0	17233.6	19588.6	21296.6
-30°	2465.3	4173.6	5780.8	7299.0	8614.6	9940.2	11303.3	13016.3	14992.2	16887.1	18339.0
-32.5°	1803.9	3084.0	4822.1	6371.6	7659.1	8768.8	9815.6	11339.8	12885.7	14405.1	15792.8
-35°	1151.1	2086.7	3441.1	5019.0	6530.5	7708.6	8846.8	9951.2	11113.0	12408.0	13608.9
-37.5°	991.1	1242.6	2074.7	3251.9	4700.6	6240.0	7359.1	8458.5	9644.5	10617.4	11627.0
-40°	898.3	1029.6	1240.4	1658.0	2751.8	3837.9	5095.2	6271.0	7404.6	8403.3	9325.8
-42.5°	857.7	936.3	1021.4	1179.8	1356.3	1877.1	2793.7	3649.9	4658.8	5661.3	6536.8
-45°	878.2	905.3	948.6	1026.4	1098.6	1245.3	1399.8	1561.2	2250.6	2973.5	3593.0
-47.5°	822.0	900.8	942.8	976.6	1013.7	1077.6	1143.6	1233.5	1388.9	1546.4	1671.2
-50°	728.7	812.6	886.3	959.0	994.1	1019.6	1046.8	1099.5	1171.6	1245.8	1300.4
-52.5°	612.7	693.9	774.9	848.5	908.5	966.5	1023.8	1066.9	1104.6	1141.9	1159.9
-55°	508.8	576.5	641.9	708.2	773.6	835.6	899.1	963.7	1023.7	1079.2	1106.6
-57.5°	411.3	468.0	524.2	574.8	626.9	680.0	738.8	801.5	863.6	921.6	951.6
-60°	318.7	362.3	408.2	449.4	488.2	524.4	575.3	626.8	676.1	718.1	740.4
-62.5°	233.0	266.8	301.7	334.5	365.5	396.3	434.6	471.8	507.6	536.6	553.4
-65°	161.5	186.7	210.1	232.7	254.7	281.0	310.0	337.8	364.3	384.1	395.3
-67.5°	110.2	125.2	138.3	150.5	166.3	184.8	205.1	224.2	242.0	255.0	263.5
-70°	73.7	81.8	89.0	97.3	107.3	117.4	128.3	139.2	149.7	157.0	161.5
-72.5°	46.7	51.9	56.8	62.5	67.9	73.2	78.6	83.5	88.0	92.2	96.1
-75°	25.6	28.3	32.2	35.8	39.2	42.8	46.3	49.3	52.0	53.9	55.2
-77.5°	15.7	17.4	19.0	20.4	21.7	23.3	25.1	26.9	28.7	30.0	31.0
-80°	11.4	11.9	12.5	13.1	13.7	14.2	14.6	14.9	15.2	15.6	16.1
-82.5°	7.7	8.1	8.4	8.7	8.9	9.4	9.9	10.4	10.8	11.2	11.6
-85°	5.3	5.2	5.2	5.2	5.3	5.6	5.9	6.2	6.6	6.6	6.7
-87.5°	4.3	4.1	3.9	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-90°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6
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°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.5
72.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.7
70°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.4	4.9
67.5°	5.3	5.6	5.7	5.7	5.7	5.6	5.3	4.9	4.6	4.9	5.6
65°	7.0	7.7	7.4	6.8	7.4	7.7	7.0	6.3	5.6	5.8	6.5
62.5°	5.8	5.8	5.7	5.7	5.7	5.8	5.8	5.8	5.8	6.2	7.0
60°	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.7	4.9	5.4	6.1
57.5°	5.1	5.5	5.7	5.7	5.7	5.5	5.1	4.8	4.5	5.0	5.4
55°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.5	5.3	5.6	6.0
52.5°	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.5	6.4	6.6	6.7
50°	8.2	8.0	7.9	7.9	7.9	8.0	8.2	8.2	8.1	8.1	7.9
47.5°	10.4	10.2	10.2	10.2	10.2	10.2	10.4	10.4	10.7	10.8	10.2
45°	15.5	15.0	14.6	14.7	14.6	15.0	15.5	15.5	17.7	18.0	15.2
42.5°	29.5	30.6	31.8	33.9	31.8	30.6	29.5	27.8	31.0	35.4	38.5
40°	50.4	49.0	47.1	47.5	47.1	49.0	50.4	49.9	50.8	48.2	48.6
37.5°	104.9	100.9	93.3	88.2	93.3	100.9	104.9	101.7	93.3	82.4	81.1
35°	215.5	210.3	198.0	194.4	198.0	210.3	215.5	237.5	223.5	146.0	176.0
32.5°	1014.2	1130.5	1167.0	1168.6	1167.0	1130.5	1014.2	939.7	756.9	623.1	577.7
30°	2602.7	2574.4	2323.3	2064.9	2323.3	2574.4	2602.7	2576.0	2233.4	1972.8	1608.1
27.5°	6263.9	7029.2	7581.8	7402.9	7581.8	7029.2	6263.9	5549.9	4750.5	4435.5	3488.5
25°	11281.9	11823.5	12001.2	11737.3	12001.2	11823.5	11281.9	10208.6	9230.0	8566.7	7319.3
22.5°	17712.4	18037.7	18009.3	17415.5	18009.3	18037.7	17712.4	16663.9	15865.7	14517.3	12837.6
20°	26673.4	26621.6	26888.0	25679.6	26888.0	26621.6	26673.4	25154.9	24072.9	21674.0	19147.8
17.5°	39347.5	41429.2	43014.1	42862.3	43014.1	41429.2	39347.5	36486.1	33860.1	30638.9	26450.0
15°	52810.9	55956.2	58106.1	58245.7	58106.1	55956.2	52810.9	48954.3	44023.6	39445.0	33420.9
12.5°	64514.2	67877.8	69703.7	69426.4	69703.7	67877.8	64514.2	59377.1	53023.7	46250.7	39287.0
10°	71969.5	74558.5	76480.1	76957.5	76480.1	74558.5	71969.5	67660.7	60502.9	52759.7	43835.7
7.5°	74959.0	77382.1	79057.2	79032.1	79057.2	77382.1	74959.0	71314.3	64884.0	56795.9	47419.5
5°	75512.2	77898.0	78846.1	79025.8	78846.1	77898.0	75512.2	72123.3	66348.9	58253.1	48582.2
2.5°	76056.3	78034.3	79064.7	78673.2	79064.7	78034.3	76056.3	72401.7	67385.6	59950.4	50229.5
0°	76269.2	77854.9	78660.2	78411.0	78660.2	77854.9	76269.2	73410.9	68554.3	61403.5	50559.1
-2.5°	76196.2	77239.3	77921.0	77685.3	77921.0	77239.3	76196.2	73097.1	68165.7	60889.3	50769.3
-5°	74246.3	75144.6	75462.3	75636.3	75462.3	75144.6	74246.3	71453.6	66751.1	59218.2	49611.7
-7.5°	67980.3	69160.9	68781.3	69354.0	68781.3	69160.9	67980.3	65932.2	62228.5	55210.8	45753.5
-10°	61781.4	62930.4	62536.2	62905.5	62536.2	62930.4	61781.4	59445.3	55654.9	49433.4	40692.3
-12.5°	55936.0	57381.2	57359.8	57883.9	57359.8	57381.2	55936.0	52720.5	48774.4	42375.4	35699.8
-15°	48908.4	50749.1	51751.5	52394.5	51751.5	50749.1	48908.4	45094.3	40599.0	35412.2	30089.2
-17.5°	41484.9	43851.9	45538.3	45797.5	45538.3	43851.9	41484.9	37635.2	33890.2	29707.1	25811.4
-20°	35777.7	37911.7	39498.8	40010.8	39498.8	37911.7	35777.7	32942.0	29641.3	26429.5	22808.3



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30996.8	32757.8	33905.3	34187.9	33905.3	32757.8	30996.8	28995.9	26230.8	22950.2	19945.9
-25°	26368.6	27353.2	27955.6	28183.1	27955.6	27353.2	26368.6	24871.0	22585.1	19795.1	17084.4
-27.5°	22601.9	23304.2	23604.9	23723.2	23604.9	23304.2	22601.9	21296.6	19588.6	17233.6	14870.0
-30°	19448.8	19988.0	20318.4	20441.1	20318.4	19988.0	19448.8	18339.0	16887.1	14992.2	13016.3
-32.5°	16853.2	17389.9	17738.1	17863.1	17738.1	17389.9	16853.2	15792.8	14405.1	12885.7	11339.8
-35°	14422.9	14866.6	15183.8	15331.4	15183.8	14866.6	14422.9	13608.9	12408.0	11113.0	9951.2
-37.5°	12274.7	12675.1	12939.2	13021.2	12939.2	12675.1	12274.7	11627.0	10617.4	9644.5	8458.5
-40°	9845.6	10206.9	10407.9	10398.0	10407.9	10206.9	9845.6	9325.8	8403.3	7404.6	6271.0
-42.5°	7054.2	7419.1	7677.0	7870.8	7677.0	7419.1	7054.2	6536.8	5661.3	4658.8	3649.9
-45°	4007.6	4307.4	4500.4	4590.9	4500.4	4307.4	4007.6	3593.0	2973.5	2250.6	1561.2
-47.5°	1745.4	1799.9	1827.2	1827.6	1827.2	1799.9	1745.4	1671.2	1546.4	1388.9	1233.5
-50°	1340.0	1374.2	1393.9	1399.2	1393.9	1374.2	1340.0	1300.4	1245.8	1171.6	1099.5
-52.5°	1172.5	1184.3	1189.6	1190.1	1189.6	1184.3	1172.5	1159.9	1141.9	1104.6	1066.9
-55°	1129.8	1149.5	1157.4	1156.2	1157.4	1149.5	1129.8	1106.6	1079.2	1023.7	963.7
-57.5°	976.7	996.3	1007.7	1011.5	1007.7	996.3	976.7	951.6	921.6	863.6	801.5
-60°	757.7	770.0	780.7	787.8	780.7	770.0	757.7	740.4	718.1	676.1	626.8
-62.5°	567.2	577.5	587.5	594.5	587.5	577.5	567.2	553.4	536.6	507.6	471.8
-65°	403.4	408.6	416.8	423.8	416.8	408.6	403.4	395.3	384.1	364.3	337.8
-67.5°	270.3	275.2	278.2	279.2	278.2	275.2	270.3	263.5	255.0	242.0	224.2
-70°	164.6	166.5	170.0	172.9	170.0	166.5	164.6	161.5	157.0	149.7	139.2
-72.5°	99.6	102.6	102.6	101.7	102.6	102.6	99.6	96.1	92.2	88.0	83.5
-75°	56.3	57.0	57.5	57.6	57.5	57.0	56.3	55.2	53.9	52.0	49.3
-77.5°	31.8	32.5	32.1	31.6	32.1	32.5	31.8	31.0	30.0	28.7	26.9
-80°	16.5	16.9	17.0	17.0	17.0	16.9	16.5	16.1	15.6	15.2	14.9
-82.5°	12.0	12.3	11.8	11.3	11.8	12.3	12.0	11.6	11.2	10.8	10.4
-85°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.2
-87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-90°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	2.9	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.5	2.4
80°	2.3	2.3	2.3	2.5	2.6	2.6	2.6	2.8	2.9	3.1	3.2
77.5°	2.3	2.3	2.4	2.6	2.9	3.2	3.4	3.4	3.3	3.3	3.4
75°	2.7	2.8	2.9	3.0	3.1	3.3	3.5	3.7	3.8	3.8	3.6
72.5°	4.0	4.2	4.3	4.3	4.2	4.2	4.3	4.4	4.5	4.5	4.3
70°	5.4	5.8	6.4	6.7	6.8	6.7	6.5	6.2	5.6	5.4	5.0
67.5°	6.3	6.9	7.9	9.1	9.8	10.1	10.0	9.4	8.8	8.2	6.5
65°	7.2	8.0	8.9	10.0	11.2	12.5	14.2	14.4	13.7	12.1	8.8
62.5°	7.9	8.9	9.6	10.3	11.2	13.3	16.9	18.9	19.4	17.1	12.9
60°	7.0	8.0	8.9	9.8	10.7	14.2	19.3	23.2	25.8	22.0	16.6
57.5°	5.6	6.2	7.3	8.6	9.8	14.5	20.4	26.7	30.9	25.1	19.6
55°	6.6	6.8	7.0	7.4	8.3	13.5	19.7	26.3	30.0	26.2	20.2
52.5°	6.8	7.1	7.4	7.7	8.9	12.3	16.9	23.5	25.5	22.5	18.9
50°	7.8	7.8	7.8	7.8	9.1	11.4	15.0	19.9	19.7	18.4	15.4
47.5°	10.0	9.9	9.1	8.9	10.2	10.7	13.4	15.6	16.0	14.7	12.4
45°	18.1	17.8	12.8	13.3	14.0	14.3	13.3	14.7	14.5	13.3	10.5
42.5°	34.0	34.9	35.4	26.2	21.3	21.0	19.6	18.4	17.0	14.1	12.7
40°	47.8	42.2	43.9	44.2	36.0	30.4	30.4	25.8	23.1	19.2	18.2
37.5°	73.2	61.0	65.1	56.4	51.5	48.9	48.3	41.0	31.2	34.1	32.1
35°	144.1	126.3	130.5	111.2	81.9	94.2	80.4	65.3	57.0	58.2	52.4
32.5°	351.1	346.4	282.4	239.1	205.5	181.7	150.7	106.9	112.0	103.7	83.2
30°	1215.8	902.2	637.1	567.4	522.2	349.4	259.4	251.9	201.4	167.6	126.2
27.5°	3143.5	2022.0	1526.5	1550.1	1145.6	773.2	624.6	508.4	345.7	261.0	199.4
25°	6652.0	5172.3	3866.8	3457.5	2654.2	1753.0	1397.1	1026.3	651.7	377.8	306.4
22.5°	11502.5	9673.4	7674.4	6137.3	4903.9	3708.5	2732.1	1770.6	1041.4	604.0	434.3
20°	16442.8	14533.7	11907.5	9530.1	7614.0	5773.1	4422.1	2947.4	1762.3	949.0	569.9
17.5°	22493.9	19382.3	15947.1	12828.4	10515.8	8288.6	6031.4	4177.5	2603.0	1311.0	709.1
15°	28363.2	23737.4	19453.6	15884.0	13120.1	9906.7	7395.0	5307.5	3562.8	1885.8	978.8
12.5°	33002.7	27604.5	22766.2	17959.8	14658.8	11172.2	8653.7	6468.4	4434.9	2484.8	1209.2
10°	36795.6	30654.9	25036.8	20113.3	16102.9	12366.7	9464.1	7024.5	4762.0	2907.2	1419.8
7.5°	39120.1	32653.1	26871.9	21601.2	17324.9	13456.1	9954.4	7253.7	4927.0	3206.1	1605.7
5°	40257.1	33949.2	28066.3	22318.4	18113.7	14348.6	10436.6	7324.4	4950.4	3391.8	1761.7
2.5°	41360.2	34681.7	28744.5	22603.8	18547.0	14963.0	10920.1	7373.3	4995.7	3477.0	1813.3
0°	41801.0	35001.6	29039.8	22675.5	18702.8	15182.2	11362.1	7391.6	5024.9	3478.8	1823.0
-2.5°	41330.8	34563.7	28793.2	22473.1	18534.2	15170.3	11522.3	7949.4	5341.3	3647.6	1874.3
-5°	40252.7	33440.1	27483.8	21608.8	17619.1	14345.3	11034.9	7972.0	5414.7	3668.8	1877.1
-7.5°	37578.6	31376.9	25621.0	20283.0	16329.4	13109.5	10118.3	7430.4	5082.6	3346.0	1725.4
-10°	33736.4	28595.8	23129.7	18425.6	14766.4	11724.6	9159.0	6775.8	4655.4	2959.9	1537.8
-12.5°	29816.3	25114.5	20349.1	16150.2	12951.9	10144.3	8062.3	6017.3	4133.3	2521.5	1319.6
-15°	25323.4	20975.5	17411.1	14095.0	11026.0	8586.5	6911.1	5266.4	3674.9	2082.1	1075.1
-17.5°	21937.1	17699.4	14807.7	12279.2	9521.1	7282.5	5989.5	4698.4	3229.9	1754.6	863.8
-20°	19419.7	16144.9	13230.0	10721.6	8418.8	6610.5	5396.9	4161.8	2708.6	1473.1	817.8



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17352.7	14833.5	12155.5	9485.6	7566.5	6171.2	4923.8	3605.6	2106.6	1119.9	759.8
-25°	15238.0	13383.2	11016.2	8768.4	6943.0	5617.4	4309.3	2856.0	1646.8	898.7	697.7
-27.5°	13196.6	11566.7	9883.3	7967.2	6481.4	4933.8	3454.7	2066.3	1141.8	817.4	675.2
-30°	11303.3	9940.2	8614.6	7299.0	5780.8	4173.6	2465.3	1476.7	932.8	743.8	651.9
-32.5°	9815.6	8768.8	7659.1	6371.6	4822.1	3084.0	1803.9	1025.9	822.1	713.2	653.9
-35°	8846.8	7708.6	6530.5	5019.0	3441.1	2086.7	1151.1	910.1	767.8	689.1	663.0
-37.5°	7359.1	6240.0	4700.6	3251.9	2074.7	1242.6	991.1	836.6	731.4	696.9	643.2
-40°	5095.2	3837.9	2751.8	1658.0	1240.4	1029.6	898.3	794.3	750.1	684.8	608.7
-42.5°	2793.7	1877.1	1356.3	1179.8	1021.4	936.3	857.7	814.7	746.6	653.5	556.1
-45°	1399.8	1245.3	1098.6	1026.4	948.6	905.3	878.2	797.3	702.2	597.2	495.5
-47.5°	1143.6	1077.6	1013.7	976.6	942.8	900.8	822.0	736.7	627.5	526.5	442.7
-50°	1046.8	1019.6	994.1	959.0	886.3	812.6	728.7	639.0	542.9	458.9	384.7
-52.5°	1023.8	966.5	908.5	848.5	774.9	693.9	612.7	537.9	459.0	389.9	326.7
-55°	899.1	835.6	773.6	708.2	641.9	576.5	508.8	442.7	382.0	322.0	269.4
-57.5°	738.8	680.0	626.9	574.8	524.2	468.0	411.3	356.3	307.8	259.3	212.6
-60°	575.3	524.4	488.2	449.4	408.2	362.3	318.7	276.5	236.1	199.5	162.2
-62.5°	434.6	396.3	365.5	334.5	301.7	266.8	233.0	203.5	173.9	143.8	119.3
-65°	310.0	281.0	254.7	232.7	210.1	186.7	161.5	140.7	122.2	102.6	83.0
-67.5°	205.1	184.8	166.3	150.5	138.3	125.2	110.2	94.3	82.3	72.0	61.1
-70°	128.3	117.4	107.3	97.3	89.0	81.8	73.7	65.1	56.5	48.8	41.1
-72.5°	78.6	73.2	67.9	62.5	56.8	51.9	46.7	41.0	34.9	28.6	23.7
-75°	46.3	42.8	39.2	35.8	32.2	28.3	25.6	23.2	20.8	18.4	15.9
-77.5°	25.1	23.3	21.7	20.4	19.0	17.4	15.7	14.1	13.2	12.3	11.3
-80°	14.6	14.2	13.7	13.1	12.5	11.9	11.4	10.6	9.8	9.0	8.4
-82.5°	9.9	9.4	8.9	8.7	8.4	8.1	7.7	7.3	6.8	6.4	6.1
-85°	5.9	5.6	5.3	5.2	5.2	5.2	5.3	5.2	5.1	5.1	5.0
-87.5°	3.4	3.4	3.4	3.6	3.9	4.1	4.3	4.3	4.2	4.2	4.2
-90°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1
82.5°	2.3	2.3	2.3	2.3	2.5	2.6	2.6	2.6	2.7	2.9	3.1
80°	2.8	2.6	2.4	2.3	2.6	2.9	3.0	3.1	3.0	3.1	3.2
77.5°	3.2	2.9	2.5	2.4	2.6	2.9	3.2	3.4	3.3	3.2	3.3
75°	3.4	3.3	3.1	2.8	2.8	2.9	3.2	3.4	3.4	3.4	3.4
72.5°	3.9	3.6	3.4	3.4	3.2	3.2	3.3	3.4	3.4	3.4	3.4
70°	4.4	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	5.1	4.5	3.9	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	6.8	5.4	4.4	3.9	3.5	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	9.1	6.3	5.1	4.4	3.8	3.5	3.4	3.4	3.4	3.4	3.4
60°	12.3	8.6	6.1	5.2	4.3	3.5	3.4	3.4	3.4	3.4	3.4
57.5°	14.4	10.6	8.1	6.2	5.1	4.0	3.5	3.5	3.4	3.4	3.4
55°	15.3	11.5	9.6	7.6	6.1	4.9	3.9	3.7	3.4	3.4	3.5
52.5°	14.3	12.0	10.5	8.6	6.8	5.8	4.8	3.9	3.7	3.4	3.5
50°	11.9	12.0	11.1	9.3	7.3	6.2	5.5	4.5	4.0	3.5	3.6
47.5°	10.7	11.7	11.4	10.0	8.0	6.7	6.0	5.1	4.3	3.8	3.6
45°	11.1	11.3	11.7	10.6	8.8	7.4	6.4	5.6	4.7	4.1	3.7
42.5°	12.7	12.4	11.8	11.3	10.0	8.2	6.8	6.0	5.1	4.5	3.9
40°	16.7	14.7	12.7	12.5	11.3	9.0	7.4	6.3	5.5	4.8	4.2
37.5°	22.1	19.0	15.5	15.2	13.2	10.5	8.1	6.6	5.9	5.2	4.4
35°	38.9	25.1	24.2	21.5	16.7	12.1	8.8	7.0	6.3	5.5	4.7
32.5°	60.3	45.6	42.8	32.1	21.2	13.8	9.9	7.9	6.7	5.8	5.0
30°	100.8	96.6	69.9	45.6	28.5	18.1	11.9	9.0	7.1	6.1	5.3
27.5°	177.3	163.9	109.3	70.4	41.4	23.5	14.8	10.3	7.6	6.4	5.5
25°	264.7	239.5	175.4	103.5	56.2	37.5	18.2	11.7	8.4	6.8	5.8
22.5°	364.3	318.7	252.5	141.5	86.6	56.1	25.7	14.4	9.5	7.2	6.0
20°	463.5	402.2	334.0	189.6	124.9	81.9	39.1	17.2	10.6	7.6	6.2
17.5°	566.1	471.3	378.0	247.5	164.6	109.8	54.9	20.3	11.8	7.9	6.4
15°	649.2	516.8	416.5	297.6	201.9	139.3	72.5	23.4	13.0	8.3	6.5
12.5°	717.4	559.6	452.3	340.4	236.8	169.7	91.4	26.5	14.2	8.7	6.6
10°	779.1	599.2	485.1	376.5	269.3	200.5	110.8	29.6	15.5	9.0	6.7
7.5°	833.8	635.4	514.7	406.5	295.7	219.7	122.8	32.5	16.9	9.4	6.7
5°	876.4	664.1	533.5	415.3	298.3	224.6	131.9	35.2	18.1	9.7	6.8
2.5°	891.0	683.6	544.9	418.0	298.7	226.5	138.8	37.5	19.3	10.0	6.8
0°	896.3	698.5	552.7	417.0	297.2	226.0	143.5	39.6	20.3	10.2	6.8
-2.5°	903.6	701.6	561.4	434.5	312.3	234.1	151.2	49.4	26.5	13.6	8.0
-5°	902.3	700.0	566.6	448.2	324.9	240.2	156.6	58.6	32.4	16.9	9.2
-7.5°	871.5	682.4	562.1	456.3	334.4	244.2	160.0	66.9	37.8	20.0	10.3
-10°	827.7	653.5	545.3	451.6	341.1	249.3	162.0	74.3	42.7	22.6	11.2
-12.5°	776.2	621.7	529.7	446.1	345.6	255.3	165.7	81.5	46.9	24.8	12.0
-15°	717.2	587.5	516.6	440.7	347.8	259.2	166.9	87.5	50.9	26.9	12.6
-17.5°	656.9	551.4	507.4	436.3	347.9	261.1	165.4	91.9	54.0	28.8	13.5
-20°	637.1	539.5	501.6	433.6	346.0	260.9	161.2	94.5	56.0	30.2	14.6



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	620.2	550.4	501.0	429.0	342.7	258.7	154.3	95.2	56.9	30.9	15.4
-25°	602.1	562.2	497.6	417.2	337.4	248.9	149.7	93.7	56.6	30.8	15.9
-27.5°	605.5	568.9	488.9	400.2	321.7	235.9	147.6	93.0	55.5	30.0	15.9
-30°	618.9	555.4	468.5	378.9	302.9	213.9	142.6	90.8	54.5	29.5	15.5
-32.5°	621.3	535.5	440.1	355.7	278.0	191.4	132.6	86.9	52.4	29.0	15.4
-35°	593.5	502.8	406.2	328.9	250.8	177.1	121.1	81.1	49.1	27.9	15.2
-37.5°	562.4	462.5	373.6	298.8	223.1	160.2	111.0	73.7	44.7	26.3	14.6
-40°	514.4	421.9	340.8	268.1	200.1	141.0	99.2	66.4	41.5	24.0	13.7
-42.5°	462.8	382.7	307.5	237.4	176.5	126.1	86.4	58.2	37.6	22.1	12.4
-45°	416.7	341.7	272.2	208.8	151.5	109.6	76.3	49.8	33.2	20.2	11.2
-47.5°	368.1	300.1	236.4	177.7	131.3	93.0	65.2	44.3	28.4	17.9	10.3
-50°	319.5	257.3	199.5	150.4	109.0	79.5	54.6	38.3	25.0	15.0	9.2
-52.5°	269.2	214.2	165.1	122.9	91.3	65.0	47.2	32.0	21.3	13.0	8.0
-55°	218.4	173.6	131.6	99.8	73.8	54.7	39.3	27.2	17.2	11.2	6.7
-57.5°	172.3	133.3	104.4	79.0	59.8	45.0	32.4	22.0	14.4	9.3	6.5
-60°	128.5	103.8	80.0	62.7	48.1	35.9	25.8	17.2	11.9	7.5	6.3
-62.5°	96.2	76.6	62.7	48.7	37.2	27.6	19.4	14.0	9.2	7.1	6.0
-65°	70.5	58.3	46.5	36.5	27.2	19.9	15.3	10.6	8.0	6.7	5.7
-67.5°	50.3	41.5	33.0	24.6	19.4	15.2	11.1	8.8	7.3	6.1	5.4
-70°	33.4	26.1	21.6	17.9	14.0	10.7	9.1	7.7	6.4	5.8	5.1
-72.5°	20.9	18.0	15.0	12.0	10.4	9.0	7.6	6.6	6.0	5.4	4.8
-75°	13.5	12.1	10.9	9.6	8.3	7.2	6.7	6.2	5.6	5.1	4.7
-77.5°	10.3	9.3	8.2	7.5	6.9	6.5	6.1	5.7	5.3	4.9	4.6
-80°	7.8	7.2	6.7	6.3	6.0	5.7	5.5	5.3	5.0	4.7	4.6
-82.5°	5.8	5.6	5.5	5.4	5.2	5.1	5.0	4.8	4.6	4.5	4.4
-85°	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.2	4.1
-87.5°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
55°	3.5	3.4	3.4	3.4	3.4	3.4	3.4
52.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4
50°	3.7	3.5	3.4	3.4	3.4	3.4	3.4
47.5°	3.8	3.6	3.4	3.4	3.4	3.4	3.4
45°	3.9	3.7	3.4	3.4	3.4	3.4	3.4
42.5°	3.9	3.9	3.4	3.4	3.4	3.4	3.4
40°	4.0	4.0	3.5	3.4	3.4	3.4	3.4
37.5°	4.0	4.2	3.6	3.4	3.4	3.4	3.4
35°	4.1	4.3	3.7	3.5	3.4	3.4	3.4
32.5°	4.2	4.3	3.8	3.5	3.4	3.4	3.4
30°	4.4	4.4	3.9	3.6	3.4	3.4	3.4
27.5°	4.6	4.4	4.0	3.6	3.4	3.4	3.4
25°	4.8	4.5	4.1	3.7	3.4	3.4	3.4
22.5°	5.0	4.5	4.2	3.8	3.4	3.4	3.4
20°	5.2	4.5	4.3	3.8	3.4	3.4	3.4
17.5°	5.4	4.5	4.4	3.9	3.4	3.4	3.4
15°	5.4	4.5	4.4	4.0	3.4	3.4	3.4
12.5°	5.5	4.5	4.5	4.1	3.4	3.4	3.4
10°	5.6	4.5	4.5	4.2	3.4	3.4	3.4
7.5°	5.6	4.5	4.5	4.3	3.4	3.4	3.4
5°	5.7	4.5	4.5	4.3	3.4	3.4	3.4
2.5°	5.7	4.5	4.5	4.4	3.4	3.4	3.4
0°	5.7	4.5	4.5	4.5	3.4	3.4	3.4
-2.5°	6.0	4.6	4.5	4.5	3.4	3.4	3.4
-5°	6.3	4.8	4.5	4.5	3.5	3.4	3.4
-7.5°	6.5	4.9	4.5	4.5	3.5	3.4	3.4
-10°	6.7	5.0	4.5	4.5	3.6	3.4	3.4
-12.5°	6.9	5.1	4.5	4.4	3.6	3.4	3.4
-15°	7.0	5.2	4.5	4.4	3.7	3.4	3.4
-17.5°	7.1	5.2	4.5	4.4	3.7	3.4	3.4
-20°	7.4	5.2	4.5	4.4	3.7	3.4	3.4



REPORT NUMBER: P1305489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8.0	5.2	4.5	4.4	3.8	3.4	3.4
-25°	8.4	5.3	4.5	4.4	3.8	3.4	3.4
-27.5°	8.6	5.4	4.5	4.4	3.8	3.4	3.4
-30°	8.7	5.4	4.5	4.4	3.8	3.4	3.4
-32.5°	8.5	5.4	4.6	4.4	3.8	3.4	3.4
-35°	8.3	5.2	4.6	4.4	3.8	3.4	3.4
-37.5°	8.1	5.1	4.7	4.4	3.8	3.4	3.4
-40°	7.8	5.2	4.7	4.5	3.8	3.4	3.4
-42.5°	7.4	5.2	4.7	4.5	3.8	3.4	3.4
-45°	6.8	5.2	4.7	4.5	3.7	3.4	3.4
-47.5°	6.1	5.2	4.7	4.5	3.7	3.4	3.4
-50°	5.9	5.2	4.7	4.4	3.6	3.4	3.4
-52.5°	5.8	5.1	4.7	4.3	3.6	3.4	3.4
-55°	5.7	5.0	4.6	4.2	3.5	3.4	3.4
-57.5°	5.6	5.0	4.6	4.1	3.5	3.4	3.4
-60°	5.4	4.8	4.5	4.0	3.4	3.4	3.4
-62.5°	5.2	4.7	4.4	3.9	3.4	3.4	3.4
-65°	5.0	4.6	4.3	3.8	3.4	3.4	3.4
-67.5°	4.8	4.5	4.2	3.7	3.4	3.4	3.4
-70°	4.5	4.4	4.1	3.6	3.4	3.4	3.4
-72.5°	4.5	4.3	4.0	3.6	3.4	3.4	3.4
-75°	4.5	4.3	3.9	3.6	3.4	3.4	3.4
-77.5°	4.5	4.2	3.9	3.6	3.4	3.4	3.4
-80°	4.5	4.1	3.8	3.5	3.4	3.4	3.4
-82.5°	4.2	3.9	3.7	3.5	3.4	3.4	3.4
-85°	4.0	3.8	3.6	3.5	3.4	3.4	3.4
-87.5°	3.7	3.6	3.5	3.4	3.4	3.4	3.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)