

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: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08PR-500PL-RGB-5S\_RED ONLY**

Issue Date: 2/13/2023

**Test Information**

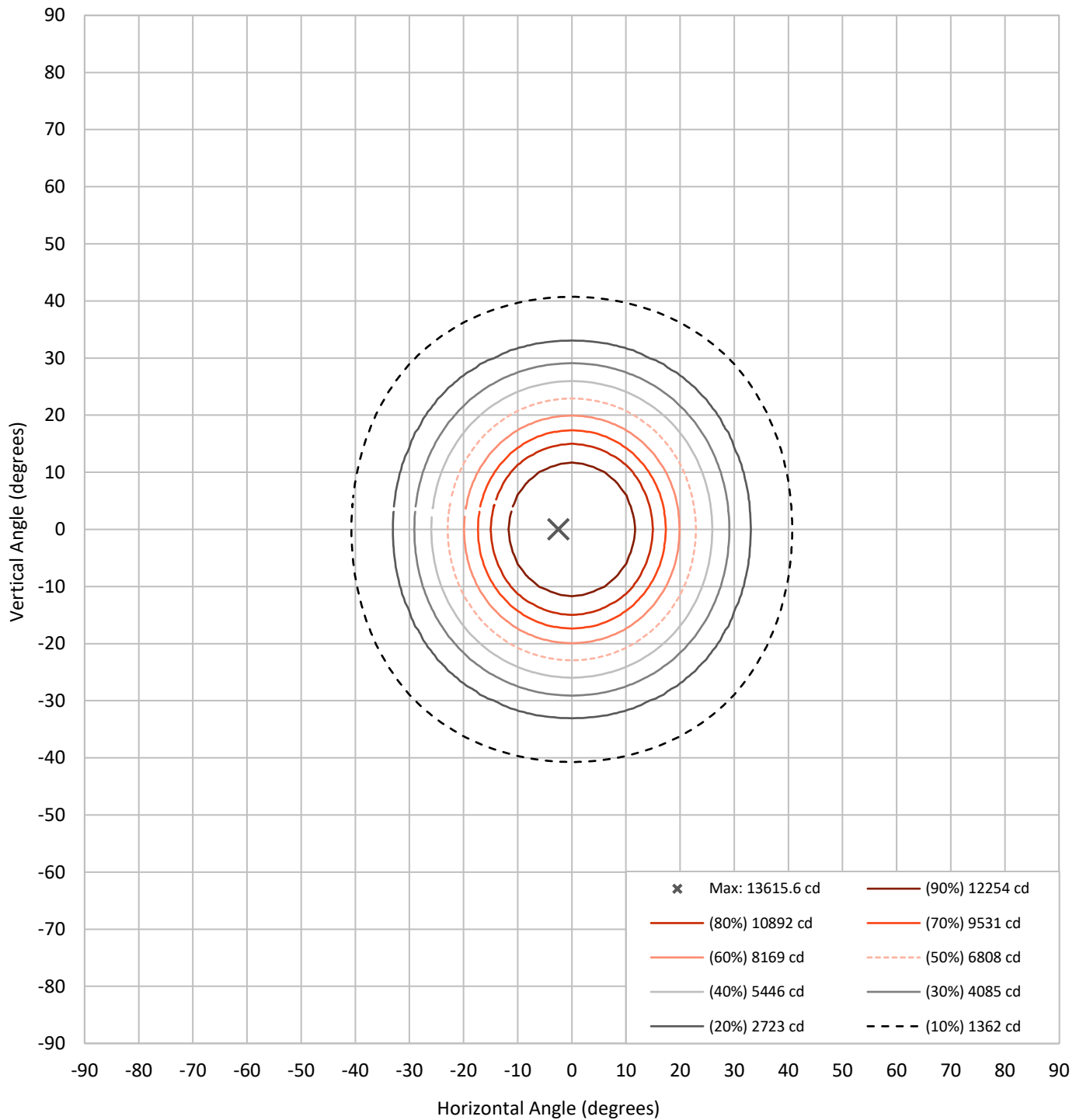
Test Method: LM-79-08  
Report Number: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-885-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY  
Description: LUMASPORT 8 PRISM RGB  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	9101.2 lumens	Max Intensity:	13615.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	37.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	45.9°H x 45.6°V	Field Angle (10%):	81.5°H x 81.3°V
Beam Lumens:	5115.4 lumens	Field Lumens:	8416.3 lumens
Beam Efficiency:	56.2%	Field Efficiency:	92.5%
Input Watts (W):	242.3		
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		

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CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

### Iso-Candela Plot





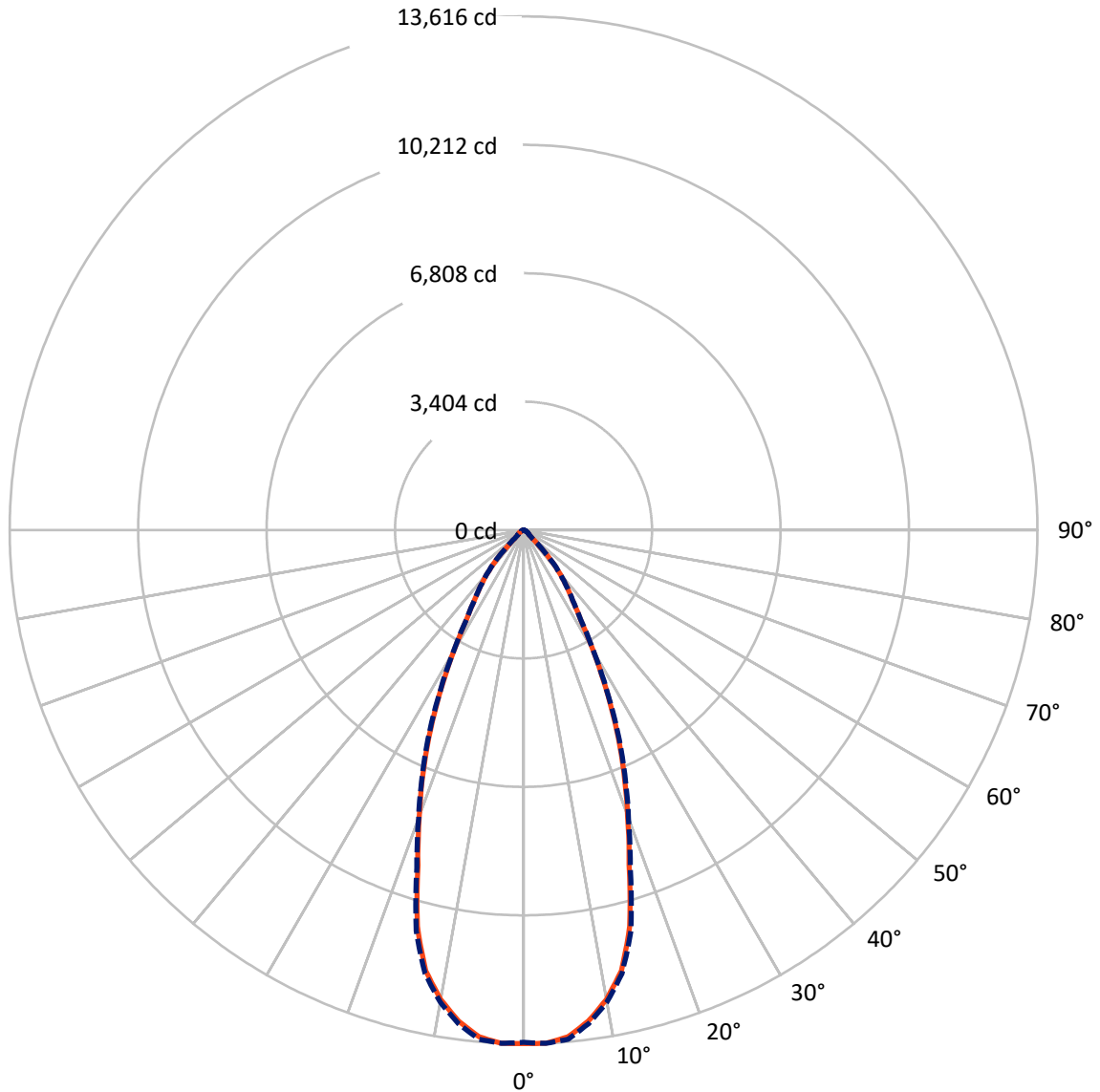
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 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

### Lumen Table

90	0.0	0.1	0.4	0.8	1.0	0.8	0.4	0.1	0.0										
80	0.0	0.1	0.4	0.8	1.0	0.8	0.4	0.1	0.0										
70	0.1	0.1	0.2	0.4	0.9	1.3	1.8	2.1	2.1	1.8	1.3	0.9	0.4	0.2	0.1	0.1			
60		0.2	0.5	1.3	2.4	3.5	4.3	4.7	4.7	4.3	3.5	2.4	1.3	0.5	0.2				
50	0.1	0.3	1.0	2.5	4.0	6.6	13.5	19.7	19.7	13.5	6.6	4.0	2.5	1.0	0.3	0.1			
40		0.5	1.7	3.4	9.1	30.6	54.1	69.7	69.7	54.1	30.6	9.1	3.4	1.7	0.5				
30	0.2	0.7	2.2	5.2	27.8	66.7	123.4	170.2	170.2	123.4	66.7	27.8	5.2	2.2	0.7	0.2			
20		0.8	2.6	10.1	46.2	116.2	223.7	309.4	309.4	223.7	116.2	46.2	10.1	2.6	0.8				
10	0.3	0.9	2.7	14.4	57.8	155.6	300.5	395.1	395.1	300.5	155.6	57.8	14.4	2.7	0.9	0.3			
0		0.9	2.7	14.4	57.8	155.6	300.5	395.1	395.1	300.5	155.6	57.8	14.4	2.7	0.9				
-10	0.2	0.8	2.6	10.1	46.2	116.2	223.7	309.4	309.4	223.7	116.2	46.2	10.1	2.6	0.8	0.2			
-20		0.7	2.2	5.2	27.8	66.7	123.4	170.2	170.2	123.4	66.7	27.8	5.2	2.2	0.7				
-30	0.1	0.5	1.7	3.4	9.1	30.6	54.1	69.7	69.7	54.1	30.6	9.1	3.4	1.7	0.5	0.1			
-40		0.3	1.0	2.5	4.0	6.6	13.5	19.7	19.7	13.5	6.6	4.0	2.5	1.0	0.3				
-50	0.1	0.2	0.5	1.3	2.4	3.5	4.3	4.7	4.7	4.3	3.5	2.4	1.3	0.5	0.2	0.1			
-60		0.1	0.2	0.4	0.9	1.3	1.8	2.1	2.1	1.8	1.3	0.9	0.4	0.2	0.1				
-70																			
-80	0.0	0.1	0.4	0.8	1.0	0.8	0.4	0.1	0.0										
-90	0.0	0.1	0.4	0.8	1.0	0.8	0.4	0.1	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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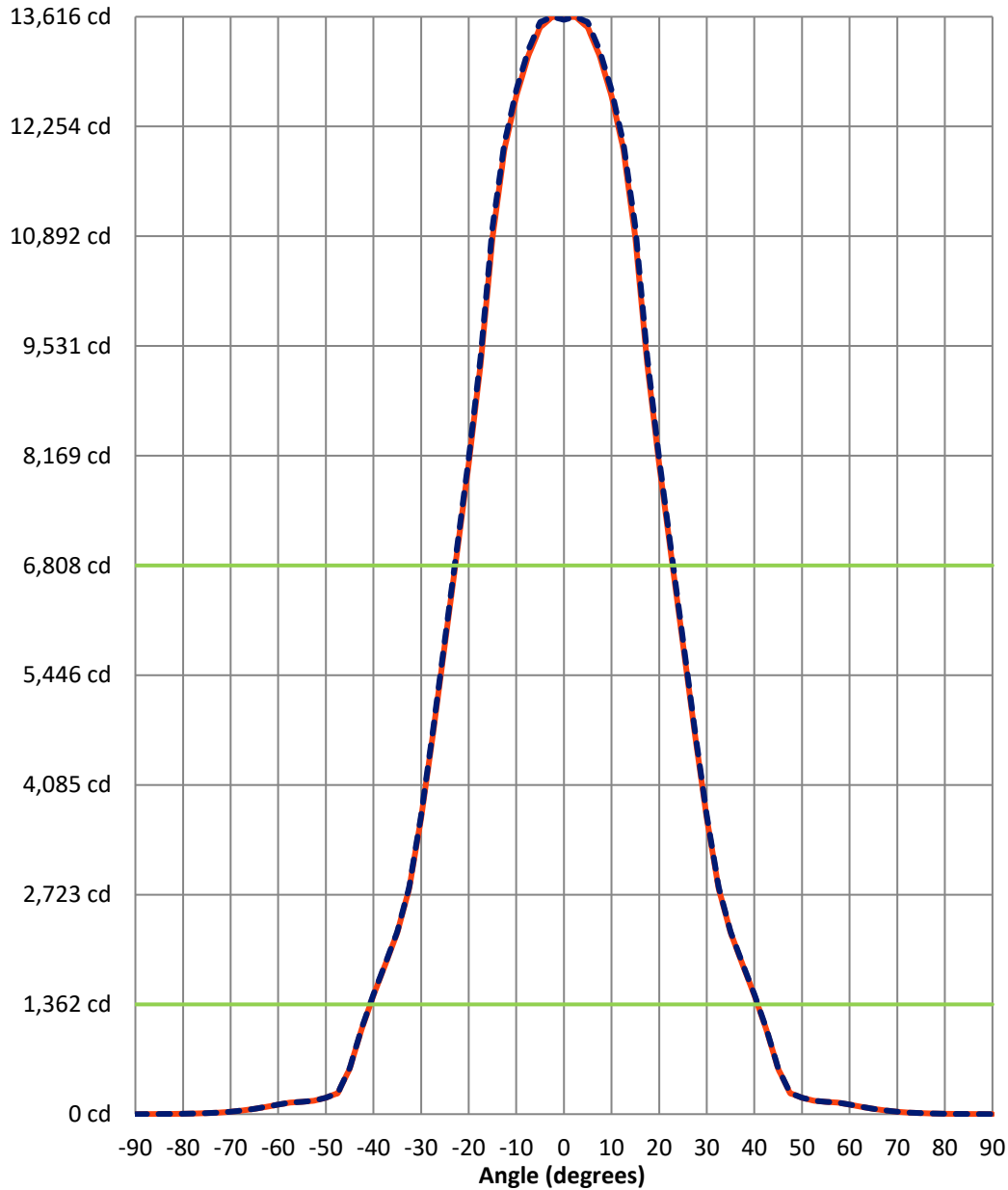
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

### Luminous Intensity Plot



**Beam:**  
 H Angle: 45.9°  
 V Angle: 45.6°  
 Lumens: 5115.4  
 Efficiency: 56.2%

**Field:**  
 H Angle: 81.5°  
 V Angle: 81.3°  
 Lumens: 8416.3  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 684.9  
 Efficiency: 7.5%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.6
67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.7	4.4
65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.6	4.4	5.3
62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.4	4.3	5.2	6.5
60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.9	4.9	6.2	7.6
57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.4	4.4	5.7	7.2	9.2
55°	0.0	0.6	1.1	1.7	2.3	2.9	3.8	4.9	6.6	8.4	11.1
52.5°	0.0	0.6	1.2	1.8	2.4	3.1	4.3	5.7	7.4	9.9	12.8
50°	0.0	0.6	1.3	1.9	2.6	3.4	4.7	6.4	8.4	11.5	14.8
47.5°	0.0	0.7	1.4	2.0	2.7	3.7	5.1	7.1	9.7	13.0	16.8
45°	0.0	0.7	1.4	2.1	2.8	4.0	5.7	7.7	11.0	14.7	18.7
42.5°	0.0	0.7	1.5	2.2	2.9	4.3	6.2	8.6	12.2	16.3	21.9
40°	0.0	0.8	1.5	2.3	3.1	4.6	6.7	9.6	13.5	17.9	25.1
37.5°	0.0	0.8	1.6	2.4	3.3	4.9	7.2	10.6	14.8	19.8	28.2
35°	0.0	0.8	1.6	2.5	3.5	5.3	7.7	11.5	16.0	22.4	31.6
32.5°	0.0	0.8	1.7	2.5	3.7	5.6	8.2	12.4	17.2	24.8	35.6
30°	0.0	0.9	1.7	2.6	3.9	6.0	8.9	13.2	18.4	27.2	39.4
27.5°	0.0	0.9	1.8	2.7	4.1	6.3	9.5	14.1	19.7	29.3	42.9
25°	0.0	0.9	1.8	2.7	4.2	6.6	10.1	15.0	21.5	31.9	46.2
22.5°	0.0	0.9	1.8	2.8	4.4	6.8	10.7	15.7	23.0	34.5	49.9
20°	0.0	0.9	1.9	2.8	4.5	7.1	11.2	16.4	24.5	36.9	53.2
17.5°	0.0	1.0	1.9	2.9	4.6	7.3	11.6	17.0	25.8	39.0	56.2
15°	0.0	1.0	1.9	2.9	4.7	7.5	12.0	17.5	26.9	40.8	58.7
12.5°	0.0	1.0	2.0	2.9	4.8	7.6	12.3	18.0	27.8	42.4	60.9
10°	0.0	1.0	2.0	3.0	4.9	7.8	12.5	18.3	28.6	43.7	62.8
7.5°	0.0	1.0	2.0	3.0	4.9	7.9	12.7	18.6	29.2	44.7	64.2
5°	0.0	1.0	2.0	3.0	5.0	7.9	12.9	18.8	29.7	45.4	65.2
2.5°	0.0	1.0	2.0	3.0	5.0	8.0	13.0	19.0	29.9	45.9	65.8
0°	0.0	1.0	2.0	3.0	5.0	8.0	13.0	19.0	30.0	46.0	66.0
-2.5°	0.0	1.0	2.0	3.0	5.0	8.0	13.0	19.0	29.9	45.9	65.8
-5°	0.0	1.0	2.0	3.0	5.0	7.9	12.9	18.8	29.7	45.4	65.2
-7.5°	0.0	1.0	2.0	3.0	4.9	7.9	12.7	18.6	29.2	44.7	64.2
-10°	0.0	1.0	2.0	3.0	4.9	7.8	12.5	18.3	28.6	43.7	62.8
-12.5°	0.0	1.0	2.0	2.9	4.8	7.6	12.3	18.0	27.8	42.4	60.9
-15°	0.0	1.0	1.9	2.9	4.7	7.5	12.0	17.5	26.9	40.8	58.7
-17.5°	0.0	1.0	1.9	2.9	4.6	7.3	11.6	17.0	25.8	39.0	56.2
-20°	0.0	0.9	1.9	2.8	4.5	7.1	11.2	16.4	24.5	36.9	53.2



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.9	1.8	2.8	4.4	6.8	10.7	15.7	23.0	34.5	49.9
-25°	0.0	0.9	1.8	2.7	4.2	6.6	10.1	15.0	21.5	31.9	46.2
-27.5°	0.0	0.9	1.8	2.7	4.1	6.3	9.5	14.1	19.7	29.3	42.9
-30°	0.0	0.9	1.7	2.6	3.9	6.0	8.9	13.2	18.4	27.2	39.4
-32.5°	0.0	0.8	1.7	2.5	3.7	5.6	8.2	12.4	17.2	24.8	35.6
-35°	0.0	0.8	1.6	2.5	3.5	5.3	7.7	11.5	16.0	22.4	31.6
-37.5°	0.0	0.8	1.6	2.4	3.3	4.9	7.2	10.6	14.8	19.8	28.2
-40°	0.0	0.8	1.5	2.3	3.1	4.6	6.7	9.6	13.5	17.9	25.1
-42.5°	0.0	0.7	1.5	2.2	2.9	4.3	6.2	8.6	12.2	16.3	21.9
-45°	0.0	0.7	1.4	2.1	2.8	4.0	5.7	7.7	11.0	14.7	18.7
-47.5°	0.0	0.7	1.4	2.0	2.7	3.7	5.1	7.1	9.7	13.0	16.8
-50°	0.0	0.6	1.3	1.9	2.6	3.4	4.7	6.4	8.4	11.5	14.8
-52.5°	0.0	0.6	1.2	1.8	2.4	3.1	4.3	5.7	7.4	9.9	12.8
-55°	0.0	0.6	1.1	1.7	2.3	2.9	3.8	4.9	6.6	8.4	11.1
-57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.4	4.4	5.7	7.2	9.2
-60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.9	4.9	6.2	7.6
-62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.4	4.3	5.2	6.5
-65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.6	4.4	5.3
-67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.7	4.4
-70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.6
-72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.3
77.5°	2.3	2.5	2.7	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.9
75°	2.7	3.0	3.4	3.8	4.3	4.7	5.1	5.7	6.2	6.7	7.2
72.5°	3.4	3.9	4.4	4.9	5.7	6.4	7.1	7.7	8.6	9.6	10.6
70°	4.3	4.9	5.7	6.6	7.4	8.4	9.7	11.0	12.2	13.5	14.8
67.5°	5.2	6.2	7.2	8.4	9.9	11.5	13.0	14.7	16.3	17.9	19.8
65°	6.5	7.6	9.2	11.1	12.8	14.8	16.8	18.7	21.9	25.1	28.2
62.5°	7.8	9.7	11.7	13.9	16.2	18.4	22.0	25.8	29.6	34.6	39.5
60°	9.7	12.0	14.4	17.0	20.0	24.5	28.9	34.5	40.4	46.2	53.0
57.5°	11.7	14.4	17.3	21.0	26.0	31.3	38.2	44.9	52.7	60.4	68.3
55°	13.9	17.0	21.0	26.5	32.8	40.5	48.4	57.4	66.2	76.6	86.7
52.5°	16.2	20.0	26.0	32.8	41.2	50.3	60.3	71.0	82.7	94.3	106.4
50°	18.4	24.5	31.3	40.5	50.3	61.2	73.4	86.3	99.8	113.4	125.6
47.5°	22.0	28.9	38.2	48.4	60.3	73.4	87.6	102.6	117.6	130.7	143.1
45°	25.8	34.5	44.9	57.4	71.0	86.3	102.6	119.0	133.2	145.1	149.8
42.5°	29.6	40.4	52.7	66.2	82.7	99.8	117.6	133.2	145.5	150.8	157.5
40°	34.6	46.2	60.4	76.6	94.3	113.4	130.7	145.1	150.8	158.2	166.6
37.5°	39.5	53.0	68.3	86.7	106.4	125.6	143.1	149.8	157.5	166.6	189.3
35°	44.2	59.4	77.1	96.9	118.0	136.7	148.0	155.2	165.1	187.2	216.4
32.5°	49.4	65.5	85.5	107.0	127.9	145.2	152.0	162.0	181.0	209.7	250.4
30°	54.6	72.6	93.6	116.6	137.2	148.8	157.5	170.9	199.3	240.2	372.7
27.5°	59.4	79.3	101.8	124.8	144.7	152.1	163.2	186.9	223.5	299.4	536.2
25°	63.9	85.5	109.4	132.2	147.5	156.5	170.8	201.9	248.7	443.0	761.6
22.5°	68.5	91.1	116.3	139.0	150.2	161.0	183.6	222.3	315.5	580.0	990.2
20°	73.2	96.9	122.2	144.4	152.6	165.1	195.2	242.1	428.7	775.0	1181.2
17.5°	77.3	102.0	127.3	146.4	155.8	171.6	206.7	259.8	530.6	951.0	1345.0
15°	80.9	106.4	131.6	148.1	158.7	180.0	221.1	333.4	650.8	1100.4	1489.8
12.5°	84.0	110.3	135.4	149.6	161.2	187.3	233.4	404.6	774.3	1215.9	1603.3
10°	86.5	113.4	138.5	150.8	163.3	193.2	243.6	463.6	876.7	1311.9	1697.9
7.5°	88.5	115.8	140.9	151.8	164.9	197.9	251.6	509.9	957.3	1387.5	1772.5
5°	89.9	117.6	142.6	152.5	166.1	201.3	257.4	543.2	1015.3	1442.1	1826.4
2.5°	90.7	118.6	143.7	152.9	166.8	203.3	260.8	563.3	1050.3	1475.0	1859.0
0°	91.0	119.0	144.0	153.0	167.0	204.0	262.0	570.0	1062.0	1486.0	1869.9
-2.5°	90.7	118.6	143.7	152.9	166.8	203.3	260.8	563.3	1050.3	1475.0	1859.0
-5°	89.9	117.6	142.6	152.5	166.1	201.3	257.4	543.2	1015.3	1442.1	1826.4
-7.5°	88.5	115.8	140.9	151.8	164.9	197.9	251.6	509.9	957.3	1387.5	1772.5
-10°	86.5	113.4	138.5	150.8	163.3	193.2	243.6	463.6	876.7	1311.9	1697.9
-12.5°	84.0	110.3	135.4	149.6	161.2	187.3	233.4	404.6	774.3	1215.9	1603.3
-15°	80.9	106.4	131.6	148.1	158.7	180.0	221.1	333.4	650.8	1100.4	1489.8
-17.5°	77.3	102.0	127.3	146.4	155.8	171.6	206.7	259.8	530.6	951.0	1345.0
-20°	73.2	96.9	122.2	144.4	152.6	165.1	195.2	242.1	428.7	775.0	1181.2



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	68.5	91.1	116.3	139.0	150.2	161.0	183.6	222.3	315.5	580.0	990.2
-25°	63.9	85.5	109.4	132.2	147.5	156.5	170.8	201.9	248.7	443.0	761.6
-27.5°	59.4	79.3	101.8	124.8	144.7	152.1	163.2	186.9	223.5	299.4	536.2
-30°	54.6	72.6	93.6	116.6	137.2	148.8	157.5	170.9	199.3	240.2	372.7
-32.5°	49.4	65.5	85.5	107.0	127.9	145.2	152.0	162.0	181.0	209.7	250.4
-35°	44.2	59.4	77.1	96.9	118.0	136.7	148.0	155.2	165.1	187.2	216.4
-37.5°	39.5	53.0	68.3	86.7	106.4	125.6	143.1	149.8	157.5	166.6	189.3
-40°	34.6	46.2	60.4	76.6	94.3	113.4	130.7	145.1	150.8	158.2	166.6
-42.5°	29.6	40.4	52.7	66.2	82.7	99.8	117.6	133.2	145.5	150.8	157.5
-45°	25.8	34.5	44.9	57.4	71.0	86.3	102.6	119.0	133.2	145.1	149.8
-47.5°	22.0	28.9	38.2	48.4	60.3	73.4	87.6	102.6	117.6	130.7	143.1
-50°	18.4	24.5	31.3	40.5	50.3	61.2	73.4	86.3	99.8	113.4	125.6
-52.5°	16.2	20.0	26.0	32.8	41.2	50.3	60.3	71.0	82.7	94.3	106.4
-55°	13.9	17.0	21.0	26.5	32.8	40.5	48.4	57.4	66.2	76.6	86.7
-57.5°	11.7	14.4	17.3	21.0	26.0	31.3	38.2	44.9	52.7	60.4	68.3
-60°	9.7	12.0	14.4	17.0	20.0	24.5	28.9	34.5	40.4	46.2	53.0
-62.5°	7.8	9.7	11.7	13.9	16.2	18.4	22.0	25.8	29.6	34.6	39.5
-65°	6.5	7.6	9.2	11.1	12.8	14.8	16.8	18.7	21.9	25.1	28.2
-67.5°	5.2	6.2	7.2	8.4	9.9	11.5	13.0	14.7	16.3	17.9	19.8
-70°	4.3	4.9	5.7	6.6	7.4	8.4	9.7	11.0	12.2	13.5	14.8
-72.5°	3.4	3.9	4.4	4.9	5.7	6.4	7.1	7.7	8.6	9.6	10.6
-75°	2.7	3.0	3.4	3.8	4.3	4.7	5.1	5.7	6.2	6.7	7.2
-77.5°	2.3	2.5	2.7	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.9
-80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.3
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
-87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
85°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
82.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
80°	3.5	3.7	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9
77.5°	5.3	5.6	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.6	7.8
75°	7.7	8.2	8.9	9.5	10.1	10.7	11.2	11.6	12.0	12.3	12.5
72.5°	11.5	12.4	13.2	14.1	15.0	15.7	16.4	17.0	17.5	18.0	18.3
70°	16.0	17.2	18.4	19.7	21.5	23.0	24.5	25.8	26.9	27.8	28.6
67.5°	22.4	24.8	27.2	29.3	31.9	34.5	36.9	39.0	40.8	42.4	43.7
65°	31.6	35.6	39.4	42.9	46.2	49.9	53.2	56.2	58.7	60.9	62.8
62.5°	44.2	49.4	54.6	59.4	63.9	68.5	73.2	77.3	80.9	84.0	86.5
60°	59.4	65.5	72.6	79.3	85.5	91.1	96.9	102.0	106.4	110.3	113.4
57.5°	77.1	85.5	93.6	101.8	109.4	116.3	122.2	127.3	131.6	135.4	138.5
55°	96.9	107.0	116.6	124.8	132.2	139.0	144.4	146.4	148.1	149.6	150.8
52.5°	118.0	127.9	137.2	144.7	147.5	150.2	152.6	155.8	158.7	161.2	163.3
50°	136.7	145.2	148.8	152.1	156.5	161.0	165.1	171.6	180.0	187.3	193.2
47.5°	148.0	152.0	157.5	163.2	170.8	183.6	195.2	206.7	221.1	233.4	243.6
45°	155.2	162.0	170.9	186.9	201.9	222.3	242.1	259.8	333.4	404.6	463.6
42.5°	165.1	181.0	199.3	223.5	248.7	315.5	428.7	530.6	650.8	774.3	876.7
40°	187.2	209.7	240.2	299.4	443.0	580.0	775.0	951.0	1100.4	1215.9	1311.9
37.5°	216.4	250.4	372.7	536.2	761.6	990.2	1181.2	1345.0	1489.8	1603.3	1697.9
35°	253.8	409.7	606.7	885.2	1136.0	1347.4	1536.9	1697.0	1839.4	1965.5	2071.4
32.5°	409.7	637.2	947.8	1219.0	1460.8	1668.2	1858.0	2035.5	2194.3	2359.3	2521.1
30°	606.7	947.8	1246.9	1515.2	1748.6	1971.0	2180.9	2416.3	2657.3	2897.9	3182.0
27.5°	885.2	1219.0	1515.2	1775.7	2028.6	2272.4	2588.2	2915.5	3335.7	3704.3	4073.9
25°	1136.0	1460.8	1748.6	2028.6	2314.6	2675.9	3134.6	3638.4	4168.2	4646.9	5072.9
22.5°	1347.4	1668.2	1971.0	2272.4	2675.9	3208.7	3809.6	4456.1	5064.9	5623.9	6101.7
20°	1536.9	1858.0	2180.9	2588.2	3134.6	3809.6	4553.7	5283.8	5968.1	6580.5	7110.1
17.5°	1697.0	2035.5	2416.3	2915.5	3638.4	4456.1	5283.8	6085.2	6828.7	7506.0	8098.7
15°	1839.4	2194.3	2657.3	3335.7	4168.2	5064.9	5968.1	6828.7	7641.7	8419.9	9161.6
12.5°	1965.5	2359.3	2897.9	3704.3	4646.9	5623.9	6580.5	7506.0	8419.9	9341.7	10385.7
10°	2071.4	2521.1	3182.0	4073.9	5072.9	6101.7	7110.1	8098.7	9161.6	10385.7	11440.5
7.5°	2155.2	2649.5	3408.1	4369.6	5421.2	6487.7	7544.5	8642.0	9888.8	11223.8	12050.3
5°	2215.9	2742.5	3572.5	4585.4	5676.4	6772.3	7867.3	9053.1	10491.5	11709.5	12417.5
2.5°	2252.6	2799.0	3672.4	4716.8	5832.3	6946.9	8066.4	9308.8	10870.9	11966.4	12631.3
0°	2264.9	2817.9	3705.9	4760.9	5884.8	7005.8	8133.8	9395.7	11000.7	12043.1	12705.6
-2.5°	2252.6	2799.0	3672.4	4716.8	5832.3	6946.9	8066.4	9308.8	10870.9	11966.4	12631.3
-5°	2215.9	2742.5	3572.5	4585.4	5676.4	6772.3	7867.3	9053.1	10491.5	11709.5	12417.5
-7.5°	2155.2	2649.5	3408.1	4369.6	5421.2	6487.7	7544.5	8642.0	9888.8	11223.8	12050.3
-10°	2071.4	2521.1	3182.0	4073.9	5072.9	6101.7	7110.1	8098.7	9161.6	10385.7	11440.5
-12.5°	1965.5	2359.3	2897.9	3704.3	4646.9	5623.9	6580.5	7506.0	8419.9	9341.7	10385.7
-15°	1839.4	2194.3	2657.3	3335.7	4168.2	5064.9	5968.1	6828.7	7641.7	8419.9	9161.6
-17.5°	1697.0	2035.5	2416.3	2915.5	3638.4	4456.1	5283.8	6085.2	6828.7	7506.0	8098.7
-20°	1536.9	1858.0	2180.9	2588.2	3134.6	3809.6	4553.7	5283.8	5968.1	6580.5	7110.1



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1347.4	1668.2	1971.0	2272.4	2675.9	3208.7	3809.6	4456.1	5064.9	5623.9	6101.7
-25°	1136.0	1460.8	1748.6	2028.6	2314.6	2675.9	3134.6	3638.4	4168.2	4646.9	5072.9
-27.5°	885.2	1219.0	1515.2	1775.7	2028.6	2272.4	2588.2	2915.5	3335.7	3704.3	4073.9
-30°	606.7	947.8	1246.9	1515.2	1748.6	1971.0	2180.9	2416.3	2657.3	2897.9	3182.0
-32.5°	409.7	637.2	947.8	1219.0	1460.8	1668.2	1858.0	2035.5	2194.3	2359.3	2521.1
-35°	253.8	409.7	606.7	885.2	1136.0	1347.4	1536.9	1697.0	1839.4	1965.5	2071.4
-37.5°	216.4	250.4	372.7	536.2	761.6	990.2	1181.2	1345.0	1489.8	1603.3	1697.9
-40°	187.2	209.7	240.2	299.4	443.0	580.0	775.0	951.0	1100.4	1215.9	1311.9
-42.5°	165.1	181.0	199.3	223.5	248.7	315.5	428.7	530.6	650.8	774.3	876.7
-45°	155.2	162.0	170.9	186.9	201.9	222.3	242.1	259.8	333.4	404.6	463.6
-47.5°	148.0	152.0	157.5	163.2	170.8	183.6	195.2	206.7	221.1	233.4	243.6
-50°	136.7	145.2	148.8	152.1	156.5	161.0	165.1	171.6	180.0	187.3	193.2
-52.5°	118.0	127.9	137.2	144.7	147.5	150.2	152.6	155.8	158.7	161.2	163.3
-55°	96.9	107.0	116.6	124.8	132.2	139.0	144.4	146.4	148.1	149.6	150.8
-57.5°	77.1	85.5	93.6	101.8	109.4	116.3	122.2	127.3	131.6	135.4	138.5
-60°	59.4	65.5	72.6	79.3	85.5	91.1	96.9	102.0	106.4	110.3	113.4
-62.5°	44.2	49.4	54.6	59.4	63.9	68.5	73.2	77.3	80.9	84.0	86.5
-65°	31.6	35.6	39.4	42.9	46.2	49.9	53.2	56.2	58.7	60.9	62.8
-67.5°	22.4	24.8	27.2	29.3	31.9	34.5	36.9	39.0	40.8	42.4	43.7
-70°	16.0	17.2	18.4	19.7	21.5	23.0	24.5	25.8	26.9	27.8	28.6
-72.5°	11.5	12.4	13.2	14.1	15.0	15.7	16.4	17.0	17.5	18.0	18.3
-75°	7.7	8.2	8.9	9.5	10.1	10.7	11.2	11.6	12.0	12.3	12.5
-77.5°	5.3	5.6	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.6	7.8
-80°	3.5	3.7	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9
-82.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-85°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
80°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7	4.6
77.5°	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.8	7.6	7.5	7.3
75°	12.7	12.9	13.0	13.0	13.0	12.9	12.7	12.5	12.3	12.0	11.6
72.5°	18.6	18.8	19.0	19.0	19.0	18.8	18.6	18.3	18.0	17.5	17.0
70°	29.2	29.7	29.9	30.0	29.9	29.7	29.2	28.6	27.8	26.9	25.8
67.5°	44.7	45.4	45.9	46.0	45.9	45.4	44.7	43.7	42.4	40.8	39.0
65°	64.2	65.2	65.8	66.0	65.8	65.2	64.2	62.8	60.9	58.7	56.2
62.5°	88.5	89.9	90.7	91.0	90.7	89.9	88.5	86.5	84.0	80.9	77.3
60°	115.8	117.6	118.6	119.0	118.6	117.6	115.8	113.4	110.3	106.4	102.0
57.5°	140.9	142.6	143.7	144.0	143.7	142.6	140.9	138.5	135.4	131.6	127.3
55°	151.8	152.5	152.9	153.0	152.9	152.5	151.8	150.8	149.6	148.1	146.4
52.5°	164.9	166.1	166.8	167.0	166.8	166.1	164.9	163.3	161.2	158.7	155.8
50°	197.9	201.3	203.3	204.0	203.3	201.3	197.9	193.2	187.3	180.0	171.6
47.5°	251.6	257.4	260.8	262.0	260.8	257.4	251.6	243.6	233.4	221.1	206.7
45°	509.9	543.2	563.3	570.0	563.3	543.2	509.9	463.6	404.6	333.4	259.8
42.5°	957.3	1015.3	1050.3	1062.0	1050.3	1015.3	957.3	876.7	774.3	650.8	530.6
40°	1387.5	1442.1	1475.0	1486.0	1475.0	1442.1	1387.5	1311.9	1215.9	1100.4	951.0
37.5°	1772.5	1826.4	1859.0	1869.9	1859.0	1826.4	1772.5	1697.9	1603.3	1489.8	1345.0
35°	2155.2	2215.9	2252.6	2264.9	2252.6	2215.9	2155.2	2071.4	1965.5	1839.4	1697.0
32.5°	2649.5	2742.5	2799.0	2817.9	2799.0	2742.5	2649.5	2521.1	2359.3	2194.3	2035.5
30°	3408.1	3572.5	3672.4	3705.9	3672.4	3572.5	3408.1	3182.0	2897.9	2657.3	2416.3
27.5°	4369.6	4585.4	4716.8	4760.9	4716.8	4585.4	4369.6	4073.9	3704.3	3335.7	2915.5
25°	5421.2	5676.4	5832.3	5884.8	5832.3	5676.4	5421.2	5072.9	4646.9	4168.2	3638.4
22.5°	6487.7	6772.3	6946.9	7005.8	6946.9	6772.3	6487.7	6101.7	5623.9	5064.9	4456.1
20°	7544.5	7867.3	8066.4	8133.8	8066.4	7867.3	7544.5	7110.1	6580.5	5968.1	5283.8
17.5°	8642.0	9053.1	9308.8	9395.7	9308.8	9053.1	8642.0	8098.7	7506.0	6828.7	6085.2
15°	9888.8	10491.5	10870.9	11000.7	10870.9	10491.5	9888.8	9161.6	8419.9	7641.7	6828.7
12.5°	11223.8	11709.5	11966.4	12043.1	11966.4	11709.5	11223.8	10385.7	9341.7	8419.9	7506.0
10°	12050.3	12417.5	12631.3	12705.6	12631.3	12417.5	12050.3	11440.5	10385.7	9161.6	8098.7
7.5°	12561.3	12910.4	13129.0	13197.6	13129.0	12910.4	12561.3	12050.3	11223.8	9888.8	8642.0
5°	12910.4	13271.3	13483.0	13546.6	13483.0	13271.3	12910.4	12417.5	11709.5	10491.5	9053.1
2.5°	13129.0	13483.0	13611.5	13615.6	13611.5	13483.0	13129.0	12631.3	11966.4	10870.9	9308.8
0°	13197.6	13546.6	13615.6	13578.6	13615.6	13546.6	13197.6	12705.6	12043.1	11000.7	9395.7
-2.5°	13129.0	13483.0	13611.5	13615.6	13611.5	13483.0	13129.0	12631.3	11966.4	10870.9	9308.8
-5°	12910.4	13271.3	13483.0	13546.6	13483.0	13271.3	12910.4	12417.5	11709.5	10491.5	9053.1
-7.5°	12561.3	12910.4	13129.0	13197.6	13129.0	12910.4	12561.3	12050.3	11223.8	9888.8	8642.0
-10°	12050.3	12417.5	12631.3	12705.6	12631.3	12417.5	12050.3	11440.5	10385.7	9161.6	8098.7
-12.5°	11223.8	11709.5	11966.4	12043.1	11966.4	11709.5	11223.8	10385.7	9341.7	8419.9	7506.0
-15°	9888.8	10491.5	10870.9	11000.7	10870.9	10491.5	9888.8	9161.6	8419.9	7641.7	6828.7
-17.5°	8642.0	9053.1	9308.8	9395.7	9308.8	9053.1	8642.0	8098.7	7506.0	6828.7	6085.2
-20°	7544.5	7867.3	8066.4	8133.8	8066.4	7867.3	7544.5	7110.1	6580.5	5968.1	5283.8



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6487.7	6772.3	6946.9	7005.8	6946.9	6772.3	6487.7	6101.7	5623.9	5064.9	4456.1
-25°	5421.2	5676.4	5832.3	5884.8	5832.3	5676.4	5421.2	5072.9	4646.9	4168.2	3638.4
-27.5°	4369.6	4585.4	4716.8	4760.9	4716.8	4585.4	4369.6	4073.9	3704.3	3335.7	2915.5
-30°	3408.1	3572.5	3672.4	3705.9	3672.4	3572.5	3408.1	3182.0	2897.9	2657.3	2416.3
-32.5°	2649.5	2742.5	2799.0	2817.9	2799.0	2742.5	2649.5	2521.1	2359.3	2194.3	2035.5
-35°	2155.2	2215.9	2252.6	2264.9	2252.6	2215.9	2155.2	2071.4	1965.5	1839.4	1697.0
-37.5°	1772.5	1826.4	1859.0	1869.9	1859.0	1826.4	1772.5	1697.9	1603.3	1489.8	1345.0
-40°	1387.5	1442.1	1475.0	1486.0	1475.0	1442.1	1387.5	1311.9	1215.9	1100.4	951.0
-42.5°	957.3	1015.3	1050.3	1062.0	1050.3	1015.3	957.3	876.7	774.3	650.8	530.6
-45°	509.9	543.2	563.3	570.0	563.3	543.2	509.9	463.6	404.6	333.4	259.8
-47.5°	251.6	257.4	260.8	262.0	260.8	257.4	251.6	243.6	233.4	221.1	206.7
-50°	197.9	201.3	203.3	204.0	203.3	201.3	197.9	193.2	187.3	180.0	171.6
-52.5°	164.9	166.1	166.8	167.0	166.8	166.1	164.9	163.3	161.2	158.7	155.8
-55°	151.8	152.5	152.9	153.0	152.9	152.5	151.8	150.8	149.6	148.1	146.4
-57.5°	140.9	142.6	143.7	144.0	143.7	142.6	140.9	138.5	135.4	131.6	127.3
-60°	115.8	117.6	118.6	119.0	118.6	117.6	115.8	113.4	110.3	106.4	102.0
-62.5°	88.5	89.9	90.7	91.0	90.7	89.9	88.5	86.5	84.0	80.9	77.3
-65°	64.2	65.2	65.8	66.0	65.8	65.2	64.2	62.8	60.9	58.7	56.2
-67.5°	44.7	45.4	45.9	46.0	45.9	45.4	44.7	43.7	42.4	40.8	39.0
-70°	29.2	29.7	29.9	30.0	29.9	29.7	29.2	28.6	27.8	26.9	25.8
-72.5°	18.6	18.8	19.0	19.0	19.0	18.8	18.6	18.3	18.0	17.5	17.0
-75°	12.7	12.9	13.0	13.0	13.0	12.9	12.7	12.5	12.3	12.0	11.6
-77.5°	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.8	7.6	7.5	7.3
-80°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7	4.6
-82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
82.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
80°	4.5	4.4	4.2	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8
77.5°	7.1	6.8	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.3	4.0
75°	11.2	10.7	10.1	9.5	8.9	8.2	7.7	7.2	6.7	6.2	5.7
72.5°	16.4	15.7	15.0	14.1	13.2	12.4	11.5	10.6	9.6	8.6	7.7
70°	24.5	23.0	21.5	19.7	18.4	17.2	16.0	14.8	13.5	12.2	11.0
67.5°	36.9	34.5	31.9	29.3	27.2	24.8	22.4	19.8	17.9	16.3	14.7
65°	53.2	49.9	46.2	42.9	39.4	35.6	31.6	28.2	25.1	21.9	18.7
62.5°	73.2	68.5	63.9	59.4	54.6	49.4	44.2	39.5	34.6	29.6	25.8
60°	96.9	91.1	85.5	79.3	72.6	65.5	59.4	53.0	46.2	40.4	34.5
57.5°	122.2	116.3	109.4	101.8	93.6	85.5	77.1	68.3	60.4	52.7	44.9
55°	144.4	139.0	132.2	124.8	116.6	107.0	96.9	86.7	76.6	66.2	57.4
52.5°	152.6	150.2	147.5	144.7	137.2	127.9	118.0	106.4	94.3	82.7	71.0
50°	165.1	161.0	156.5	152.1	148.8	145.2	136.7	125.6	113.4	99.8	86.3
47.5°	195.2	183.6	170.8	163.2	157.5	152.0	148.0	143.1	130.7	117.6	102.6
45°	242.1	222.3	201.9	186.9	170.9	162.0	155.2	149.8	145.1	133.2	119.0
42.5°	428.7	315.5	248.7	223.5	199.3	181.0	165.1	157.5	150.8	145.5	133.2
40°	775.0	580.0	443.0	299.4	240.2	209.7	187.2	166.6	158.2	150.8	145.1
37.5°	1181.2	990.2	761.6	536.2	372.7	250.4	216.4	189.3	166.6	157.5	149.8
35°	1536.9	1347.4	1136.0	885.2	606.7	409.7	253.8	216.4	187.2	165.1	155.2
32.5°	1858.0	1668.2	1460.8	1219.0	947.8	637.2	409.7	250.4	209.7	181.0	162.0
30°	2180.9	1971.0	1748.6	1515.2	1246.9	947.8	606.7	372.7	240.2	199.3	170.9
27.5°	2588.2	2272.4	2028.6	1775.7	1515.2	1219.0	885.2	536.2	299.4	223.5	186.9
25°	3134.6	2675.9	2314.6	2028.6	1748.6	1460.8	1136.0	761.6	443.0	248.7	201.9
22.5°	3809.6	3208.7	2675.9	2272.4	1971.0	1668.2	1347.4	990.2	580.0	315.5	222.3
20°	4553.7	3809.6	3134.6	2588.2	2180.9	1858.0	1536.9	1181.2	775.0	428.7	242.1
17.5°	5283.8	4456.1	3638.4	2915.5	2416.3	2035.5	1697.0	1345.0	951.0	530.6	259.8
15°	5968.1	5064.9	4168.2	3335.7	2657.3	2194.3	1839.4	1489.8	1100.4	650.8	333.4
12.5°	6580.5	5623.9	4646.9	3704.3	2897.9	2359.3	1965.5	1603.3	1215.9	774.3	404.6
10°	7110.1	6101.7	5072.9	4073.9	3182.0	2521.1	2071.4	1697.9	1311.9	876.7	463.6
7.5°	7544.5	6487.7	5421.2	4369.6	3408.1	2649.5	2155.2	1772.5	1387.5	957.3	509.9
5°	7867.3	6772.3	5676.4	4585.4	3572.5	2742.5	2215.9	1826.4	1442.1	1015.3	543.2
2.5°	8066.4	6946.9	5832.3	4716.8	3672.4	2799.0	2252.6	1859.0	1475.0	1050.3	563.3
0°	8133.8	7005.8	5884.8	4760.9	3705.9	2817.9	2264.9	1869.9	1486.0	1062.0	570.0
-2.5°	8066.4	6946.9	5832.3	4716.8	3672.4	2799.0	2252.6	1859.0	1475.0	1050.3	563.3
-5°	7867.3	6772.3	5676.4	4585.4	3572.5	2742.5	2215.9	1826.4	1442.1	1015.3	543.2
-7.5°	7544.5	6487.7	5421.2	4369.6	3408.1	2649.5	2155.2	1772.5	1387.5	957.3	509.9
-10°	7110.1	6101.7	5072.9	4073.9	3182.0	2521.1	2071.4	1697.9	1311.9	876.7	463.6
-12.5°	6580.5	5623.9	4646.9	3704.3	2897.9	2359.3	1965.5	1603.3	1215.9	774.3	404.6
-15°	5968.1	5064.9	4168.2	3335.7	2657.3	2194.3	1839.4	1489.8	1100.4	650.8	333.4
-17.5°	5283.8	4456.1	3638.4	2915.5	2416.3	2035.5	1697.0	1345.0	951.0	530.6	259.8
-20°	4553.7	3809.6	3134.6	2588.2	2180.9	1858.0	1536.9	1181.2	775.0	428.7	242.1



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3809.6	3208.7	2675.9	2272.4	1971.0	1668.2	1347.4	990.2	580.0	315.5	222.3
-25°	3134.6	2675.9	2314.6	2028.6	1748.6	1460.8	1136.0	761.6	443.0	248.7	201.9
-27.5°	2588.2	2272.4	2028.6	1775.7	1515.2	1219.0	885.2	536.2	299.4	223.5	186.9
-30°	2180.9	1971.0	1748.6	1515.2	1246.9	947.8	606.7	372.7	240.2	199.3	170.9
-32.5°	1858.0	1668.2	1460.8	1219.0	947.8	637.2	409.7	250.4	209.7	181.0	162.0
-35°	1536.9	1347.4	1136.0	885.2	606.7	409.7	253.8	216.4	187.2	165.1	155.2
-37.5°	1181.2	990.2	761.6	536.2	372.7	250.4	216.4	189.3	166.6	157.5	149.8
-40°	775.0	580.0	443.0	299.4	240.2	209.7	187.2	166.6	158.2	150.8	145.1
-42.5°	428.7	315.5	248.7	223.5	199.3	181.0	165.1	157.5	150.8	145.5	133.2
-45°	242.1	222.3	201.9	186.9	170.9	162.0	155.2	149.8	145.1	133.2	119.0
-47.5°	195.2	183.6	170.8	163.2	157.5	152.0	148.0	143.1	130.7	117.6	102.6
-50°	165.1	161.0	156.5	152.1	148.8	145.2	136.7	125.6	113.4	99.8	86.3
-52.5°	152.6	150.2	147.5	144.7	137.2	127.9	118.0	106.4	94.3	82.7	71.0
-55°	144.4	139.0	132.2	124.8	116.6	107.0	96.9	86.7	76.6	66.2	57.4
-57.5°	122.2	116.3	109.4	101.8	93.6	85.5	77.1	68.3	60.4	52.7	44.9
-60°	96.9	91.1	85.5	79.3	72.6	65.5	59.4	53.0	46.2	40.4	34.5
-62.5°	73.2	68.5	63.9	59.4	54.6	49.4	44.2	39.5	34.6	29.6	25.8
-65°	53.2	49.9	46.2	42.9	39.4	35.6	31.6	28.2	25.1	21.9	18.7
-67.5°	36.9	34.5	31.9	29.3	27.2	24.8	22.4	19.8	17.9	16.3	14.7
-70°	24.5	23.0	21.5	19.7	18.4	17.2	16.0	14.8	13.5	12.2	11.0
-72.5°	16.4	15.7	15.0	14.1	13.2	12.4	11.5	10.6	9.6	8.6	7.7
-75°	11.2	10.7	10.1	9.5	8.9	8.2	7.7	7.2	6.7	6.2	5.7
-77.5°	7.1	6.8	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.3	4.0
-80°	4.5	4.4	4.2	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8
-82.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-85°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
85°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
80°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
77.5°	3.7	3.4	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
75°	5.1	4.7	4.3	3.8	3.4	3.0	2.7	2.5	2.3	2.0	1.8
72.5°	7.1	6.4	5.7	4.9	4.4	3.9	3.4	2.9	2.6	2.4	2.1
70°	9.7	8.4	7.4	6.6	5.7	4.9	4.3	3.6	3.0	2.7	2.4
67.5°	13.0	11.5	9.9	8.4	7.2	6.2	5.2	4.4	3.7	3.0	2.6
65°	16.8	14.8	12.8	11.1	9.2	7.6	6.5	5.3	4.4	3.6	2.9
62.5°	22.0	18.4	16.2	13.9	11.7	9.7	7.8	6.5	5.2	4.3	3.4
60°	28.9	24.5	20.0	17.0	14.4	12.0	9.7	7.6	6.2	4.9	3.9
57.5°	38.2	31.3	26.0	21.0	17.3	14.4	11.7	9.2	7.2	5.7	4.4
55°	48.4	40.5	32.8	26.5	21.0	17.0	13.9	11.1	8.4	6.6	4.9
52.5°	60.3	50.3	41.2	32.8	26.0	20.0	16.2	12.8	9.9	7.4	5.7
50°	73.4	61.2	50.3	40.5	31.3	24.5	18.4	14.8	11.5	8.4	6.4
47.5°	87.6	73.4	60.3	48.4	38.2	28.9	22.0	16.8	13.0	9.7	7.1
45°	102.6	86.3	71.0	57.4	44.9	34.5	25.8	18.7	14.7	11.0	7.7
42.5°	117.6	99.8	82.7	66.2	52.7	40.4	29.6	21.9	16.3	12.2	8.6
40°	130.7	113.4	94.3	76.6	60.4	46.2	34.6	25.1	17.9	13.5	9.6
37.5°	143.1	125.6	106.4	86.7	68.3	53.0	39.5	28.2	19.8	14.8	10.6
35°	148.0	136.7	118.0	96.9	77.1	59.4	44.2	31.6	22.4	16.0	11.5
32.5°	152.0	145.2	127.9	107.0	85.5	65.5	49.4	35.6	24.8	17.2	12.4
30°	157.5	148.8	137.2	116.6	93.6	72.6	54.6	39.4	27.2	18.4	13.2
27.5°	163.2	152.1	144.7	124.8	101.8	79.3	59.4	42.9	29.3	19.7	14.1
25°	170.8	156.5	147.5	132.2	109.4	85.5	63.9	46.2	31.9	21.5	15.0
22.5°	183.6	161.0	150.2	139.0	116.3	91.1	68.5	49.9	34.5	23.0	15.7
20°	195.2	165.1	152.6	144.4	122.2	96.9	73.2	53.2	36.9	24.5	16.4
17.5°	206.7	171.6	155.8	146.4	127.3	102.0	77.3	56.2	39.0	25.8	17.0
15°	221.1	180.0	158.7	148.1	131.6	106.4	80.9	58.7	40.8	26.9	17.5
12.5°	233.4	187.3	161.2	149.6	135.4	110.3	84.0	60.9	42.4	27.8	18.0
10°	243.6	193.2	163.3	150.8	138.5	113.4	86.5	62.8	43.7	28.6	18.3
7.5°	251.6	197.9	164.9	151.8	140.9	115.8	88.5	64.2	44.7	29.2	18.6
5°	257.4	201.3	166.1	152.5	142.6	117.6	89.9	65.2	45.4	29.7	18.8
2.5°	260.8	203.3	166.8	152.9	143.7	118.6	90.7	65.8	45.9	29.9	19.0
0°	262.0	204.0	167.0	153.0	144.0	119.0	91.0	66.0	46.0	30.0	19.0
-2.5°	260.8	203.3	166.8	152.9	143.7	118.6	90.7	65.8	45.9	29.9	19.0
-5°	257.4	201.3	166.1	152.5	142.6	117.6	89.9	65.2	45.4	29.7	18.8
-7.5°	251.6	197.9	164.9	151.8	140.9	115.8	88.5	64.2	44.7	29.2	18.6
-10°	243.6	193.2	163.3	150.8	138.5	113.4	86.5	62.8	43.7	28.6	18.3
-12.5°	233.4	187.3	161.2	149.6	135.4	110.3	84.0	60.9	42.4	27.8	18.0
-15°	221.1	180.0	158.7	148.1	131.6	106.4	80.9	58.7	40.8	26.9	17.5
-17.5°	206.7	171.6	155.8	146.4	127.3	102.0	77.3	56.2	39.0	25.8	17.0
-20°	195.2	165.1	152.6	144.4	122.2	96.9	73.2	53.2	36.9	24.5	16.4



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	183.6	161.0	150.2	139.0	116.3	91.1	68.5	49.9	34.5	23.0	15.7
-25°	170.8	156.5	147.5	132.2	109.4	85.5	63.9	46.2	31.9	21.5	15.0
-27.5°	163.2	152.1	144.7	124.8	101.8	79.3	59.4	42.9	29.3	19.7	14.1
-30°	157.5	148.8	137.2	116.6	93.6	72.6	54.6	39.4	27.2	18.4	13.2
-32.5°	152.0	145.2	127.9	107.0	85.5	65.5	49.4	35.6	24.8	17.2	12.4
-35°	148.0	136.7	118.0	96.9	77.1	59.4	44.2	31.6	22.4	16.0	11.5
-37.5°	143.1	125.6	106.4	86.7	68.3	53.0	39.5	28.2	19.8	14.8	10.6
-40°	130.7	113.4	94.3	76.6	60.4	46.2	34.6	25.1	17.9	13.5	9.6
-42.5°	117.6	99.8	82.7	66.2	52.7	40.4	29.6	21.9	16.3	12.2	8.6
-45°	102.6	86.3	71.0	57.4	44.9	34.5	25.8	18.7	14.7	11.0	7.7
-47.5°	87.6	73.4	60.3	48.4	38.2	28.9	22.0	16.8	13.0	9.7	7.1
-50°	73.4	61.2	50.3	40.5	31.3	24.5	18.4	14.8	11.5	8.4	6.4
-52.5°	60.3	50.3	41.2	32.8	26.0	20.0	16.2	12.8	9.9	7.4	5.7
-55°	48.4	40.5	32.8	26.5	21.0	17.0	13.9	11.1	8.4	6.6	4.9
-57.5°	38.2	31.3	26.0	21.0	17.3	14.4	11.7	9.2	7.2	5.7	4.4
-60°	28.9	24.5	20.0	17.0	14.4	12.0	9.7	7.6	6.2	4.9	3.9
-62.5°	22.0	18.4	16.2	13.9	11.7	9.7	7.8	6.5	5.2	4.3	3.4
-65°	16.8	14.8	12.8	11.1	9.2	7.6	6.5	5.3	4.4	3.6	2.9
-67.5°	13.0	11.5	9.9	8.4	7.2	6.2	5.2	4.4	3.7	3.0	2.6
-70°	9.7	8.4	7.4	6.6	5.7	4.9	4.3	3.6	3.0	2.7	2.4
-72.5°	7.1	6.4	5.7	4.9	4.4	3.9	3.4	2.9	2.6	2.4	2.1
-75°	5.1	4.7	4.3	3.8	3.4	3.0	2.7	2.5	2.3	2.0	1.8
-77.5°	3.7	3.4	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
-80°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
-85°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
-87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
70°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
57.5°	3.4	2.7	2.1	1.6	1.1	0.5	0.0
55°	3.8	2.9	2.3	1.7	1.1	0.6	0.0
52.5°	4.3	3.1	2.4	1.8	1.2	0.6	0.0
50°	4.7	3.4	2.6	1.9	1.3	0.6	0.0
47.5°	5.1	3.7	2.7	2.0	1.4	0.7	0.0
45°	5.7	4.0	2.8	2.1	1.4	0.7	0.0
42.5°	6.2	4.3	2.9	2.2	1.5	0.7	0.0
40°	6.7	4.6	3.1	2.3	1.5	0.8	0.0
37.5°	7.2	4.9	3.3	2.4	1.6	0.8	0.0
35°	7.7	5.3	3.5	2.5	1.6	0.8	0.0
32.5°	8.2	5.6	3.7	2.5	1.7	0.8	0.0
30°	8.9	6.0	3.9	2.6	1.7	0.9	0.0
27.5°	9.5	6.3	4.1	2.7	1.8	0.9	0.0
25°	10.1	6.6	4.2	2.7	1.8	0.9	0.0
22.5°	10.7	6.8	4.4	2.8	1.8	0.9	0.0
20°	11.2	7.1	4.5	2.8	1.9	0.9	0.0
17.5°	11.6	7.3	4.6	2.9	1.9	1.0	0.0
15°	12.0	7.5	4.7	2.9	1.9	1.0	0.0
12.5°	12.3	7.6	4.8	2.9	2.0	1.0	0.0
10°	12.5	7.8	4.9	3.0	2.0	1.0	0.0
7.5°	12.7	7.9	4.9	3.0	2.0	1.0	0.0
5°	12.9	7.9	5.0	3.0	2.0	1.0	0.0
2.5°	13.0	8.0	5.0	3.0	2.0	1.0	0.0
0°	13.0	8.0	5.0	3.0	2.0	1.0	0.0
-2.5°	13.0	8.0	5.0	3.0	2.0	1.0	0.0
-5°	12.9	7.9	5.0	3.0	2.0	1.0	0.0
-7.5°	12.7	7.9	4.9	3.0	2.0	1.0	0.0
-10°	12.5	7.8	4.9	3.0	2.0	1.0	0.0
-12.5°	12.3	7.6	4.8	2.9	2.0	1.0	0.0
-15°	12.0	7.5	4.7	2.9	1.9	1.0	0.0
-17.5°	11.6	7.3	4.6	2.9	1.9	1.0	0.0
-20°	11.2	7.1	4.5	2.8	1.9	0.9	0.0



REPORT NUMBER: P640298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-5S\_RED ONLY

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.7	6.8	4.4	2.8	1.8	0.9	0.0
-25°	10.1	6.6	4.2	2.7	1.8	0.9	0.0
-27.5°	9.5	6.3	4.1	2.7	1.8	0.9	0.0
-30°	8.9	6.0	3.9	2.6	1.7	0.9	0.0
-32.5°	8.2	5.6	3.7	2.5	1.7	0.8	0.0
-35°	7.7	5.3	3.5	2.5	1.6	0.8	0.0
-37.5°	7.2	4.9	3.3	2.4	1.6	0.8	0.0
-40°	6.7	4.6	3.1	2.3	1.5	0.8	0.0
-42.5°	6.2	4.3	2.9	2.2	1.5	0.7	0.0
-45°	5.7	4.0	2.8	2.1	1.4	0.7	0.0
-47.5°	5.1	3.7	2.7	2.0	1.4	0.7	0.0
-50°	4.7	3.4	2.6	1.9	1.3	0.6	0.0
-52.5°	4.3	3.1	2.4	1.8	1.2	0.6	0.0
-55°	3.8	2.9	2.3	1.7	1.1	0.6	0.0
-57.5°	3.4	2.7	2.1	1.6	1.1	0.5	0.0
-60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-70°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
-72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
-80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
-87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)