

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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08PR-500PL-RGB-2S\_ALL ON**

Issue Date: 2/13/2023

**Test Information**

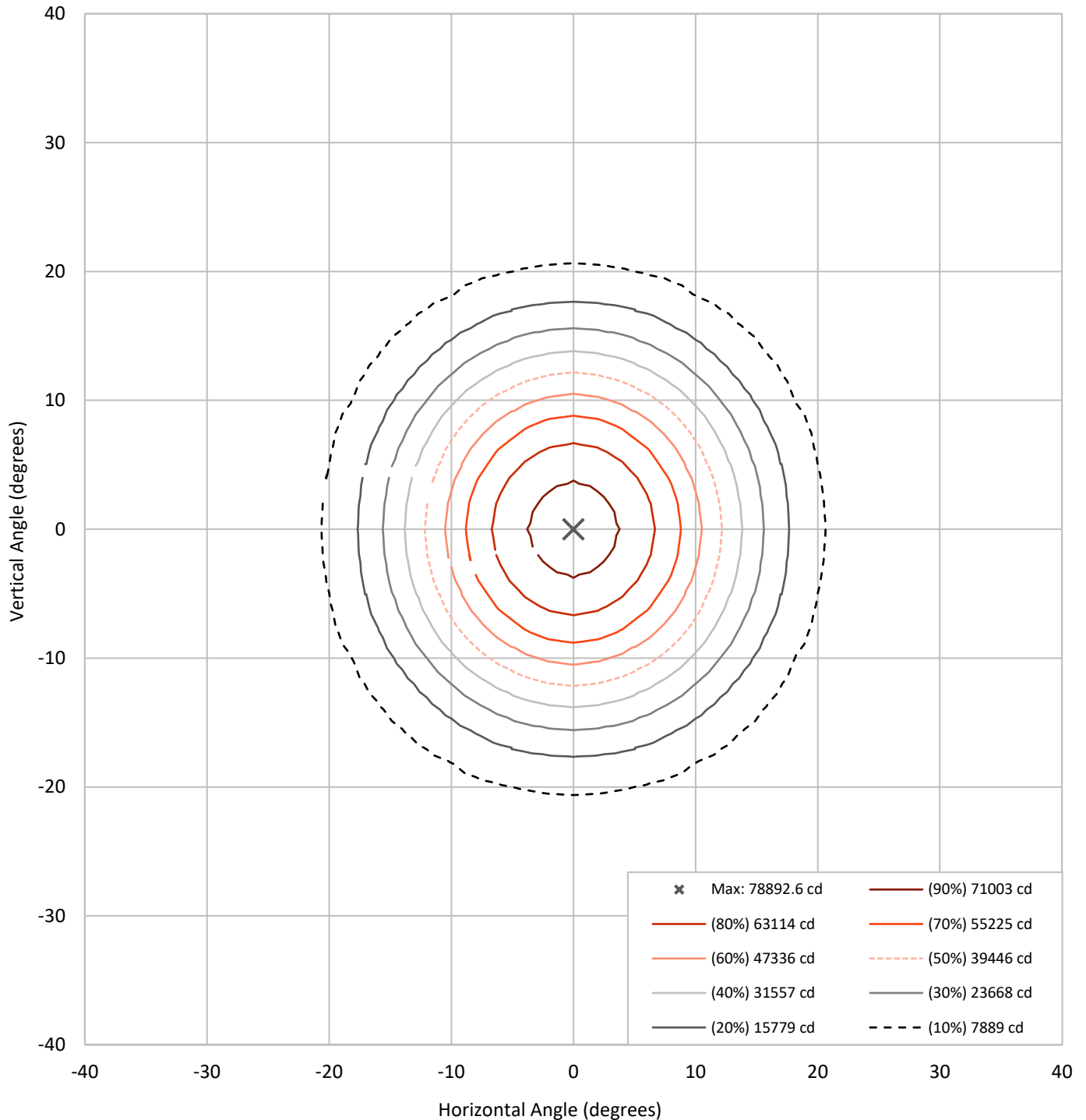
Test Method: LM-79-08  
Report Number: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-885-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-08PR-500PL-RGB-2S\_ALL ON  
Description: LUMASPORT 8 PRISM RGB  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	16303.1 lumens	Max Intensity:	78892.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	31.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 24.3°V	Field Angle (10%):	41.3°H x 41.3°V
Beam Lumens:	8020 lumens	Field Lumens:	13204.9 lumens
Beam Efficiency:	49.2%	Field Efficiency:	81.0%
Input Watts (W):	510.8		
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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### Iso-Candela Plot





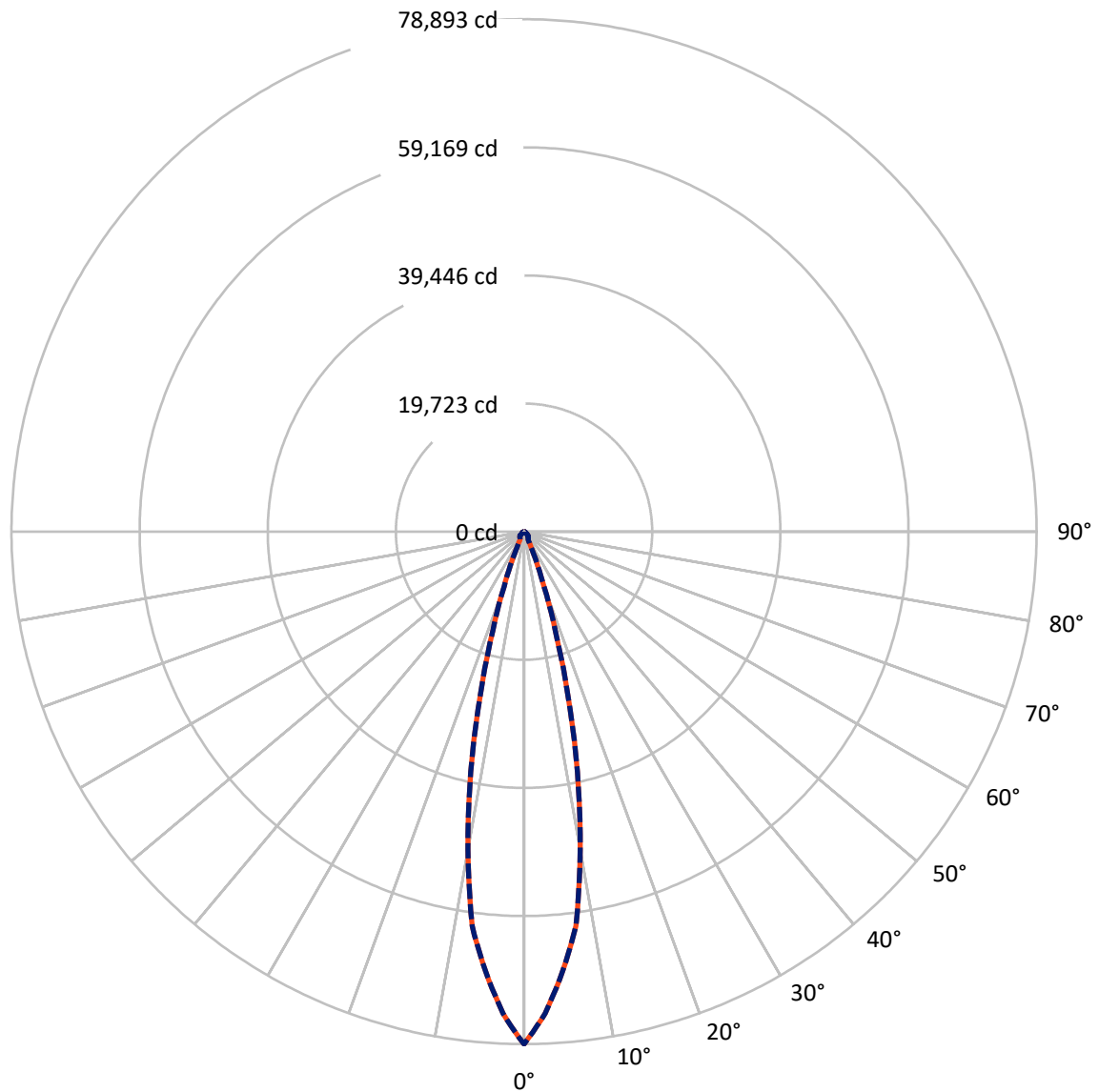
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### Lumen Table

90	0.0	0.3		0.9		2.0		2.6		2.0		0.9		0.3		0.0			
80	0.0	0.3		0.9		2.0		2.6		2.0		0.9		0.3		0.0			
70	0.1	0.1	0.5	1.3	2.5	3.7	4.8	5.3	5.3	4.8	3.7	2.5	1.3	0.5	0.1	0.1			
60		0.4	1.5	3.4	5.9	8.2	9.9	10.8	10.8	9.9	8.2	5.9	3.4	1.5	0.4				
50	0.3	0.8	2.8	5.9	9.2	13.9	20.0	23.6	23.6	20.0	13.9	9.2	5.9	2.8	0.8	0.3			
40		1.3	4.1	8.0	15.6	25.8	31.1	33.5	33.5	31.1	25.8	15.6	8.0	4.1	1.3				
30	0.6	1.8	5.3	10.9	23.4	30.8	44.3	87.6	87.6	44.3	30.8	23.4	10.9	5.3	1.8	0.6			
20		2.1	5.9	14.8	26.4	41.7	243.6	699.9	699.9	243.6	41.7	26.4	14.8	5.9	2.1				
10	0.7	2.3	6.3	16.9	27.6	80.7	682.0	1761.1	1761.1	682.0	80.7	27.6	16.9	6.3	2.3	0.7			
0		2.3	6.3	16.9	27.6	80.7	682.0	1761.1	1761.1	682.0	80.7	27.6	16.9	6.3	2.3				
-10	0.6	2.1	5.9	14.8	26.4	41.7	243.6	699.9	699.9	243.6	41.7	26.4	14.8	5.9	2.1	0.6			
-20		1.8	5.3	10.9	23.4	30.8	44.3	87.6	87.6	44.3	30.8	23.4	10.9	5.3	1.8				
-30	0.3	1.3	4.1	8.0	15.6	25.8	31.1	33.5	33.5	31.1	25.8	15.6	8.0	4.1	1.3	0.3			
-40		0.8	2.8	5.9	9.2	13.9	20.0	23.6	23.6	20.0	13.9	9.2	5.9	2.8	0.8				
-50	0.1	0.4	1.5	3.4	5.9	8.2	9.9	10.8	10.8	9.9	8.2	5.9	3.4	1.5	0.4	0.1			
-60		0.1	0.5	1.3	2.5	3.7	4.8	5.3	5.3	4.8	3.7	2.5	1.3	0.5	0.1				
-70	0.0	0.3		0.9		2.0		2.6		2.0		0.9		0.3		0.0			
-80		0.3		0.9		2.0		2.6		2.0		0.9		0.3					
-90	0.0	0.3		0.9		2.0		2.6		2.0		0.9		0.3		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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CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

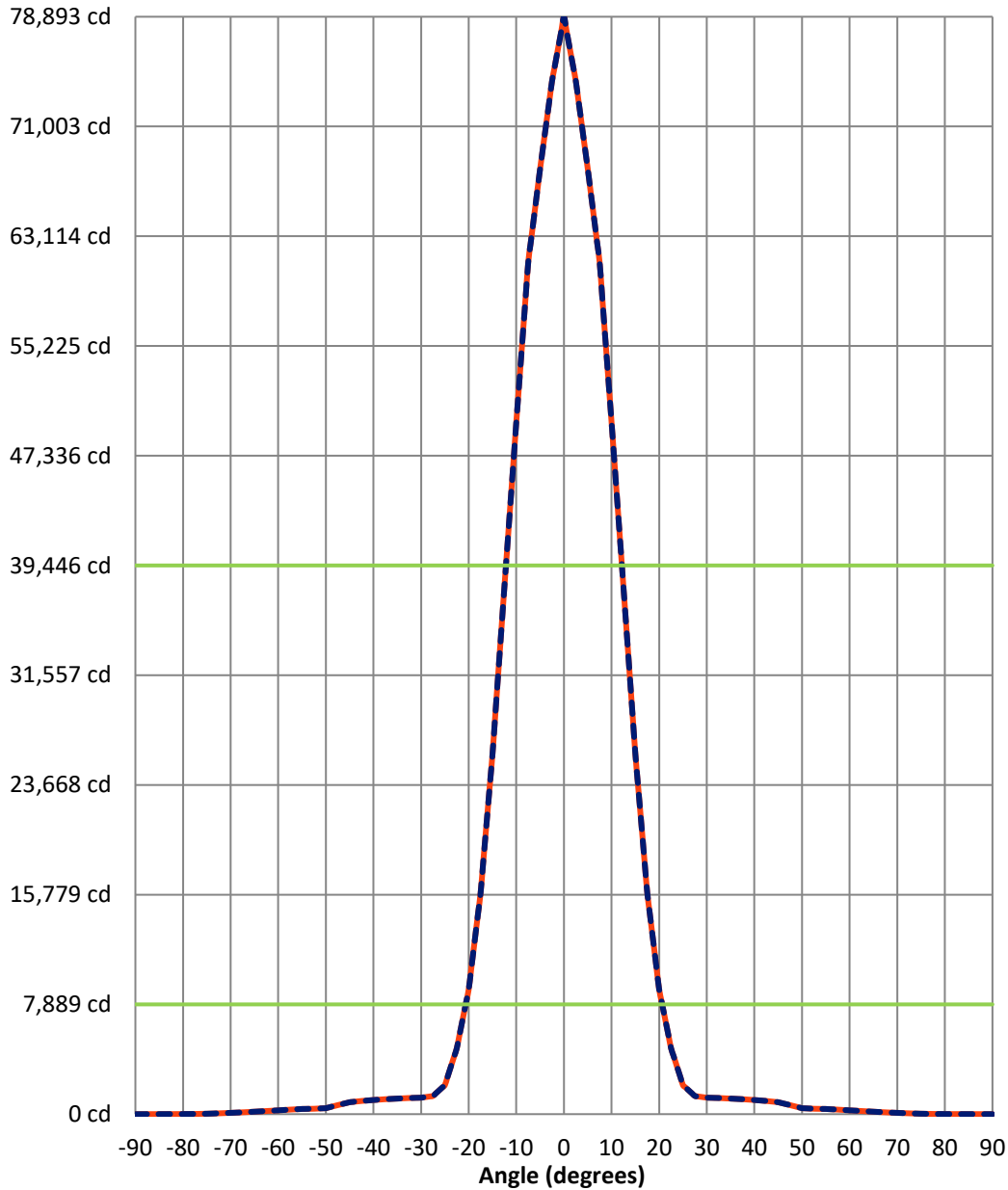
### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.3°  
 V Angle: 24.3°  
 Lumens: 8020  
 Efficiency: 49.2%

**Field:**  
 H Angle: 41.3°  
 V Angle: 41.3°  
 Lumens: 13204.9  
 Efficiency: 81.0%

**Spill:**  
 Lumens: 3098.2  
 Efficiency: 19.0%

- Vertical Distribution through 0-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	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
85°	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	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.0	3.4
77.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
75°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.5	5.0
72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.7	5.3	5.8
70°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.7	5.4	6.0	7.0
67.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	7.1	8.2
65°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	7.0	8.2	9.8
62.5°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.6	7.9	9.5	12.5
60°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	7.4	8.8	11.9	15.2
57.5°	0.0	1.1	2.1	3.2	4.3	5.3	6.6	8.2	10.6	14.2	19.7
55°	0.0	1.1	2.3	3.4	4.6	5.7	7.2	8.9	12.7	17.1	25.2
52.5°	0.0	1.2	2.4	3.6	4.9	6.1	7.9	10.5	14.6	21.8	30.5
50°	0.0	1.3	2.6	3.9	5.1	6.6	8.5	12.2	17.2	26.4	39.5
47.5°	0.0	1.4	2.7	4.0	5.4	7.1	9.2	13.8	21.2	30.9	48.8
45°	0.0	1.4	2.8	4.2	5.6	7.6	10.5	15.4	25.0	38.8	57.7
42.5°	0.0	1.5	2.9	4.4	5.9	8.0	11.8	17.9	28.6	46.5	67.9
40°	0.0	1.5	3.1	4.6	6.2	8.5	13.0	20.9	33.1	53.9	77.9
37.5°	0.0	1.6	3.2	4.8	6.5	8.9	14.2	23.8	39.3	61.4	87.4
35°	0.0	1.6	3.3	4.9	6.8	9.6	15.3	26.6	45.2	69.5	96.9
32.5°	0.0	1.7	3.4	5.1	7.1	10.5	16.7	29.1	50.8	77.1	106.4
30°	0.0	1.7	3.5	5.2	7.4	11.2	18.7	32.1	56.0	84.2	115.3
27.5°	0.0	1.8	3.5	5.3	7.6	12.0	20.6	36.3	61.2	90.9	123.6
25°	0.0	1.8	3.6	5.4	7.9	12.7	22.4	40.1	66.6	97.5	131.4
22.5°	0.0	1.8	3.7	5.5	8.1	13.3	24.0	43.7	71.5	103.7	139.7
20°	0.0	1.9	3.8	5.6	8.3	13.9	25.5	46.8	76.0	109.4	147.2
17.5°	0.0	1.9	3.8	5.7	8.4	14.4	26.7	49.7	79.9	114.4	153.9
15°	0.0	1.9	3.9	5.8	8.6	14.8	27.9	52.1	83.4	118.7	159.7
12.5°	0.0	2.0	3.9	5.9	8.7	15.2	28.8	54.2	86.3	122.5	164.6
10°	0.0	2.0	3.9	5.9	8.8	15.5	29.6	55.9	88.7	125.5	168.7
7.5°	0.0	2.0	4.0	5.9	8.9	15.7	30.2	57.3	90.6	127.9	171.9
5°	0.0	2.0	4.0	6.0	9.0	15.9	30.6	58.2	91.9	129.6	174.2
2.5°	0.0	2.0	4.0	6.0	9.0	16.0	30.9	58.8	92.7	130.7	175.5
0°	0.0	2.0	4.0	6.0	9.0	16.0	31.0	59.0	93.0	131.0	176.0
-2.5°	0.0	2.0	4.0	6.0	9.0	16.0	30.9	58.8	92.7	130.7	175.5
-5°	0.0	2.0	4.0	6.0	9.0	15.9	30.6	58.2	91.9	129.6	174.2
-7.5°	0.0	2.0	4.0	5.9	8.9	15.7	30.2	57.3	90.6	127.9	171.9
-10°	0.0	2.0	3.9	5.9	8.8	15.5	29.6	55.9	88.7	125.5	168.7
-12.5°	0.0	2.0	3.9	5.9	8.7	15.2	28.8	54.2	86.3	122.5	164.6
-15°	0.0	1.9	3.9	5.8	8.6	14.8	27.9	52.1	83.4	118.7	159.7
-17.5°	0.0	1.9	3.8	5.7	8.4	14.4	26.7	49.7	79.9	114.4	153.9
-20°	0.0	1.9	3.8	5.6	8.3	13.9	25.5	46.8	76.0	109.4	147.2



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.8	3.7	5.5	8.1	13.3	24.0	43.7	71.5	103.7	139.7
-25°	0.0	1.8	3.6	5.4	7.9	12.7	22.4	40.1	66.6	97.5	131.4
-27.5°	0.0	1.8	3.5	5.3	7.6	12.0	20.6	36.3	61.2	90.9	123.6
-30°	0.0	1.7	3.5	5.2	7.4	11.2	18.7	32.1	56.0	84.2	115.3
-32.5°	0.0	1.7	3.4	5.1	7.1	10.5	16.7	29.1	50.8	77.1	106.4
-35°	0.0	1.6	3.3	4.9	6.8	9.6	15.3	26.6	45.2	69.5	96.9
-37.5°	0.0	1.6	3.2	4.8	6.5	8.9	14.2	23.8	39.3	61.4	87.4
-40°	0.0	1.5	3.1	4.6	6.2	8.5	13.0	20.9	33.1	53.9	77.9
-42.5°	0.0	1.5	2.9	4.4	5.9	8.0	11.8	17.9	28.6	46.5	67.9
-45°	0.0	1.4	2.8	4.2	5.6	7.6	10.5	15.4	25.0	38.8	57.7
-47.5°	0.0	1.4	2.7	4.0	5.4	7.1	9.2	13.8	21.2	30.9	48.8
-50°	0.0	1.3	2.6	3.9	5.1	6.6	8.5	12.2	17.2	26.4	39.5
-52.5°	0.0	1.2	2.4	3.6	4.9	6.1	7.9	10.5	14.6	21.8	30.5
-55°	0.0	1.1	2.3	3.4	4.6	5.7	7.2	8.9	12.7	17.1	25.2
-57.5°	0.0	1.1	2.1	3.2	4.3	5.3	6.6	8.2	10.6	14.2	19.7
-60°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	7.4	8.8	11.9	15.2
-62.5°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.6	7.9	9.5	12.5
-65°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	7.0	8.2	9.8
-67.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	7.1	8.2
-70°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.7	5.4	6.0	7.0
-72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.7	5.3	5.8
-75°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.5	5.0
-77.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
-80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.0	3.4
-82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	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





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 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
82.5°	2.8	3.0	3.2	3.4	3.6	3.9	4.0	4.2	4.4	4.6	4.8
80°	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.2	6.5
77.5°	4.6	5.0	5.3	5.7	6.1	6.6	7.1	7.6	8.0	8.5	8.9
75°	5.5	5.9	6.6	7.2	7.9	8.5	9.2	10.5	11.8	13.0	14.2
72.5°	6.6	7.4	8.2	8.9	10.5	12.2	13.8	15.4	17.9	20.9	23.8
70°	7.9	8.8	10.6	12.7	14.6	17.2	21.2	25.0	28.6	33.1	39.3
67.5°	9.5	11.9	14.2	17.1	21.8	26.4	30.9	38.8	46.5	53.9	61.4
65°	12.5	15.2	19.7	25.2	30.5	39.5	48.8	57.7	67.9	77.9	87.4
62.5°	15.5	21.1	27.2	35.0	45.8	56.4	68.2	80.2	91.7	103.9	115.6
60°	21.1	27.9	37.5	49.7	62.0	76.0	89.5	103.7	117.8	131.4	146.7
57.5°	27.2	37.5	50.9	65.1	80.7	96.1	112.5	128.4	146.1	163.5	180.5
55°	35.0	49.7	65.1	82.2	99.6	117.8	136.4	156.7	176.3	196.9	216.5
52.5°	45.8	62.0	80.7	99.6	119.6	140.6	163.1	185.7	208.7	230.8	252.0
50°	56.4	76.0	96.1	117.8	140.6	165.3	190.5	215.9	240.5	264.2	287.7
47.5°	68.2	89.5	112.5	136.4	163.1	190.5	218.3	245.3	271.5	298.3	324.1
45°	80.2	103.7	128.4	156.7	185.7	215.9	245.3	274.0	303.6	331.6	356.5
42.5°	91.7	117.8	146.1	176.3	208.7	240.5	271.5	303.6	334.0	361.5	378.1
40°	103.9	131.4	163.5	196.9	230.8	264.2	298.3	331.6	361.5	379.0	388.5
37.5°	115.6	146.7	180.5	216.5	252.0	287.7	324.1	356.5	378.1	388.5	413.7
35°	126.8	161.2	197.8	235.3	272.3	310.9	346.7	375.5	386.8	411.4	476.6
32.5°	138.5	175.0	214.1	253.0	292.6	332.2	368.0	383.3	404.6	451.6	605.0
30°	150.3	188.9	229.5	269.8	311.8	350.9	378.2	393.3	424.8	566.7	724.1
27.5°	161.2	202.0	243.9	286.1	329.4	368.5	384.6	411.1	503.7	674.4	835.1
25°	171.3	214.1	257.2	301.5	344.5	377.0	393.2	427.6	598.9	771.8	893.1
22.5°	180.9	225.2	269.3	315.6	358.4	382.2	407.4	499.2	685.3	859.8	934.9
20°	190.0	235.3	280.7	328.2	371.0	386.8	420.3	573.8	762.1	895.5	967.4
17.5°	198.1	244.2	291.2	338.5	376.1	394.1	440.1	640.8	831.3	927.7	994.0
15°	205.2	252.0	300.3	347.5	379.5	403.4	494.4	697.4	872.8	954.3	1017.6
12.5°	211.2	258.7	308.1	355.2	382.4	411.5	541.0	745.8	895.4	973.0	1035.0
10°	216.1	264.2	314.5	361.6	384.7	418.1	579.6	785.8	914.1	988.7	1049.6
7.5°	220.0	268.5	319.5	366.6	386.6	423.3	609.8	817.2	928.8	1001.0	1061.0
5°	222.8	271.5	323.1	370.1	387.9	427.0	631.5	839.8	939.5	1009.8	1069.3
2.5°	224.4	273.4	325.3	372.3	388.7	429.2	644.6	853.4	945.9	1015.2	1074.3
0°	225.0	274.0	326.0	373.0	389.0	430.0	649.0	858.0	948.0	1017.0	1076.0
-2.5°	224.4	273.4	325.3	372.3	388.7	429.2	644.6	853.4	945.9	1015.2	1074.3
-5°	222.8	271.5	323.1	370.1	387.9	427.0	631.5	839.8	939.5	1009.8	1069.3
-7.5°	220.0	268.5	319.5	366.6	386.6	423.3	609.8	817.2	928.8	1001.0	1061.0
-10°	216.1	264.2	314.5	361.6	384.7	418.1	579.6	785.8	914.1	988.7	1049.6
-12.5°	211.2	258.7	308.1	355.2	382.4	411.5	541.0	745.8	895.4	973.0	1035.0
-15°	205.2	252.0	300.3	347.5	379.5	403.4	494.4	697.4	872.8	954.3	1017.6
-17.5°	198.1	244.2	291.2	338.5	376.1	394.1	440.1	640.8	831.3	927.7	994.0
-20°	190.0	235.3	280.7	328.2	371.0	386.8	420.3	573.8	762.1	895.5	967.4



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	180.9	225.2	269.3	315.6	358.4	382.2	407.4	499.2	685.3	859.8	934.9
-25°	171.3	214.1	257.2	301.5	344.5	377.0	393.2	427.6	598.9	771.8	893.1
-27.5°	161.2	202.0	243.9	286.1	329.4	368.5	384.6	411.1	503.7	674.4	835.1
-30°	150.3	188.9	229.5	269.8	311.8	350.9	378.2	393.3	424.8	566.7	724.1
-32.5°	138.5	175.0	214.1	253.0	292.6	332.2	368.0	383.3	404.6	451.6	605.0
-35°	126.8	161.2	197.8	235.3	272.3	310.9	346.7	375.5	386.8	411.4	476.6
-37.5°	115.6	146.7	180.5	216.5	252.0	287.7	324.1	356.5	378.1	388.5	413.7
-40°	103.9	131.4	163.5	196.9	230.8	264.2	298.3	331.6	361.5	379.0	388.5
-42.5°	91.7	117.8	146.1	176.3	208.7	240.5	271.5	303.6	334.0	361.5	378.1
-45°	80.2	103.7	128.4	156.7	185.7	215.9	245.3	274.0	303.6	331.6	356.5
-47.5°	68.2	89.5	112.5	136.4	163.1	190.5	218.3	245.3	271.5	298.3	324.1
-50°	56.4	76.0	96.1	117.8	140.6	165.3	190.5	215.9	240.5	264.2	287.7
-52.5°	45.8	62.0	80.7	99.6	119.6	140.6	163.1	185.7	208.7	230.8	252.0
-55°	35.0	49.7	65.1	82.2	99.6	117.8	136.4	156.7	176.3	196.9	216.5
-57.5°	27.2	37.5	50.9	65.1	80.7	96.1	112.5	128.4	146.1	163.5	180.5
-60°	21.1	27.9	37.5	49.7	62.0	76.0	89.5	103.7	117.8	131.4	146.7
-62.5°	15.5	21.1	27.2	35.0	45.8	56.4	68.2	80.2	91.7	103.9	115.6
-65°	12.5	15.2	19.7	25.2	30.5	39.5	48.8	57.7	67.9	77.9	87.4
-67.5°	9.5	11.9	14.2	17.1	21.8	26.4	30.9	38.8	46.5	53.9	61.4
-70°	7.9	8.8	10.6	12.7	14.6	17.2	21.2	25.0	28.6	33.1	39.3
-72.5°	6.6	7.4	8.2	8.9	10.5	12.2	13.8	15.4	17.9	20.9	23.8
-75°	5.5	5.9	6.6	7.2	7.9	8.5	9.2	10.5	11.8	13.0	14.2
-77.5°	4.6	5.0	5.3	5.7	6.1	6.6	7.1	7.6	8.0	8.5	8.9
-80°	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.2	6.5
-82.5°	2.8	3.0	3.2	3.4	3.6	3.9	4.0	4.2	4.4	4.6	4.8
-85°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-87.5°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
-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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
85°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
82.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
80°	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.4	8.6	8.7	8.8
77.5°	9.6	10.5	11.2	12.0	12.7	13.3	13.9	14.4	14.8	15.2	15.5
75°	15.3	16.7	18.7	20.6	22.4	24.0	25.5	26.7	27.9	28.8	29.6
72.5°	26.6	29.1	32.1	36.3	40.1	43.7	46.8	49.7	52.1	54.2	55.9
70°	45.2	50.8	56.0	61.2	66.6	71.5	76.0	79.9	83.4	86.3	88.7
67.5°	69.5	77.1	84.2	90.9	97.5	103.7	109.4	114.4	118.7	122.5	125.5
65°	96.9	106.4	115.3	123.6	131.4	139.7	147.2	153.9	159.7	164.6	168.7
62.5°	126.8	138.5	150.3	161.2	171.3	180.9	190.0	198.1	205.2	211.2	216.1
60°	161.2	175.0	188.9	202.0	214.1	225.2	235.3	244.2	252.0	258.7	264.2
57.5°	197.8	214.1	229.5	243.9	257.2	269.3	280.7	291.2	300.3	308.1	314.5
55°	235.3	253.0	269.8	286.1	301.5	315.6	328.2	338.5	347.5	355.2	361.6
52.5°	272.3	292.6	311.8	329.4	344.5	358.4	371.0	376.1	379.5	382.4	384.7
50°	310.9	332.2	350.9	368.5	377.0	382.2	386.8	394.1	403.4	411.5	418.1
47.5°	346.7	368.0	378.2	384.6	393.2	407.4	420.3	440.1	494.4	541.0	579.6
45°	375.5	383.3	393.3	411.1	427.6	499.2	573.8	640.8	697.4	745.8	785.8
42.5°	386.8	404.6	424.8	503.7	598.9	685.3	762.1	831.3	872.8	895.4	914.1
40°	411.4	451.6	566.7	674.4	771.8	859.8	895.5	927.7	954.3	973.0	988.7
37.5°	476.6	605.0	724.1	835.1	893.1	934.9	967.4	994.0	1017.6	1035.0	1049.6
35°	617.9	749.2	864.7	915.7	960.0	994.4	1024.8	1049.4	1071.3	1086.4	1097.9
32.5°	749.2	870.3	927.1	973.6	1012.9	1045.0	1074.2	1094.0	1111.3	1126.2	1138.5
30°	864.7	927.1	978.1	1021.5	1057.4	1087.0	1109.9	1130.5	1148.8	1163.1	1170.4
27.5°	915.7	973.6	1021.5	1061.5	1093.3	1119.6	1143.6	1163.5	1174.4	1184.0	1225.9
25°	960.0	1012.9	1057.4	1093.3	1122.8	1150.2	1169.2	1182.3	1236.6	1291.0	1521.4
22.5°	994.4	1045.0	1087.0	1119.6	1150.2	1171.1	1195.8	1269.3	1515.8	1905.2	2599.6
20°	1024.8	1074.2	1109.9	1143.6	1169.2	1195.8	1280.4	1668.3	2283.9	3731.0	5127.2
17.5°	1049.4	1094.0	1130.5	1163.5	1182.3	1269.3	1668.3	2560.5	4317.6	6610.9	8832.8
15°	1071.3	1111.3	1148.8	1174.4	1236.6	1515.8	2283.9	4317.6	7119.8	10539.0	14622.3
12.5°	1086.4	1126.2	1163.1	1184.0	1291.0	1905.2	3731.0	6610.9	10539.0	15614.1	22068.6
10°	1097.9	1138.5	1170.4	1225.9	1521.4	2599.6	5127.2	8832.8	14622.3	22068.6	30187.5
7.5°	1107.1	1148.2	1176.3	1259.5	1764.0	3511.9	6755.5	11762.2	18978.1	28071.3	38010.5
5°	1113.7	1155.3	1180.5	1284.0	1941.8	4184.4	7965.2	14025.1	22726.3	33347.7	44210.5
2.5°	1117.7	1159.6	1183.1	1299.0	2050.5	4597.0	8711.7	15433.0	25086.2	36731.5	48306.9
0°	1119.0	1161.0	1184.0	1304.0	2087.0	4736.1	8964.2	15911.3	25893.5	37901.8	49751.0
-2.5°	1117.7	1159.6	1183.1	1299.0	2050.5	4597.0	8711.7	15433.0	25086.2	36731.5	48306.9
-5°	1113.7	1155.3	1180.5	1284.0	1941.8	4184.4	7965.2	14025.1	22726.3	33347.7	44210.5
-7.5°	1107.1	1148.2	1176.3	1259.5	1764.0	3511.9	6755.5	11762.2	18978.1	28071.3	38010.5
-10°	1097.9	1138.5	1170.4	1225.9	1521.4	2599.6	5127.2	8832.8	14622.3	22068.6	30187.5
-12.5°	1086.4	1126.2	1163.1	1184.0	1291.0	1905.2	3731.0	6610.9	10539.0	15614.1	22068.6
-15°	1071.3	1111.3	1148.8	1174.4	1236.6	1515.8	2283.9	4317.6	7119.8	10539.0	14622.3
-17.5°	1049.4	1094.0	1130.5	1163.5	1182.3	1269.3	1668.3	2560.5	4317.6	6610.9	8832.8
-20°	1024.8	1074.2	1109.9	1143.6	1169.2	1195.8	1280.4	1668.3	2283.9	3731.0	5127.2



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	994.4	1045.0	1087.0	1119.6	1150.2	1171.1	1195.8	1269.3	1515.8	1905.2	2599.6
-25°	960.0	1012.9	1057.4	1093.3	1122.8	1150.2	1169.2	1182.3	1236.6	1291.0	1521.4
-27.5°	915.7	973.6	1021.5	1061.5	1093.3	1119.6	1143.6	1163.5	1174.4	1184.0	1225.9
-30°	864.7	927.1	978.1	1021.5	1057.4	1087.0	1109.9	1130.5	1148.8	1163.1	1170.4
-32.5°	749.2	870.3	927.1	973.6	1012.9	1045.0	1074.2	1094.0	1111.3	1126.2	1138.5
-35°	617.9	749.2	864.7	915.7	960.0	994.4	1024.8	1049.4	1071.3	1086.4	1097.9
-37.5°	476.6	605.0	724.1	835.1	893.1	934.9	967.4	994.0	1017.6	1035.0	1049.6
-40°	411.4	451.6	566.7	674.4	771.8	859.8	895.5	927.7	954.3	973.0	988.7
-42.5°	386.8	404.6	424.8	503.7	598.9	685.3	762.1	831.3	872.8	895.4	914.1
-45°	375.5	383.3	393.3	411.1	427.6	499.2	573.8	640.8	697.4	745.8	785.8
-47.5°	346.7	368.0	378.2	384.6	393.2	407.4	420.3	440.1	494.4	541.0	579.6
-50°	310.9	332.2	350.9	368.5	377.0	382.2	386.8	394.1	403.4	411.5	418.1
-52.5°	272.3	292.6	311.8	329.4	344.5	358.4	371.0	376.1	379.5	382.4	384.7
-55°	235.3	253.0	269.8	286.1	301.5	315.6	328.2	338.5	347.5	355.2	361.6
-57.5°	197.8	214.1	229.5	243.9	257.2	269.3	280.7	291.2	300.3	308.1	314.5
-60°	161.2	175.0	188.9	202.0	214.1	225.2	235.3	244.2	252.0	258.7	264.2
-62.5°	126.8	138.5	150.3	161.2	171.3	180.9	190.0	198.1	205.2	211.2	216.1
-65°	96.9	106.4	115.3	123.6	131.4	139.7	147.2	153.9	159.7	164.6	168.7
-67.5°	69.5	77.1	84.2	90.9	97.5	103.7	109.4	114.4	118.7	122.5	125.5
-70°	45.2	50.8	56.0	61.2	66.6	71.5	76.0	79.9	83.4	86.3	88.7
-72.5°	26.6	29.1	32.1	36.3	40.1	43.7	46.8	49.7	52.1	54.2	55.9
-75°	15.3	16.7	18.7	20.6	22.4	24.0	25.5	26.7	27.9	28.8	29.6
-77.5°	9.6	10.5	11.2	12.0	12.7	13.3	13.9	14.4	14.8	15.2	15.5
-80°	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.4	8.6	8.7	8.8
-82.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-85°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-87.5°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
82.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
80°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.8	8.7	8.6	8.4
77.5°	15.7	15.9	16.0	16.0	16.0	15.9	15.7	15.5	15.2	14.8	14.4
75°	30.2	30.6	30.9	31.0	30.9	30.6	30.2	29.6	28.8	27.9	26.7
72.5°	57.3	58.2	58.8	59.0	58.8	58.2	57.3	55.9	54.2	52.1	49.7
70°	90.6	91.9	92.7	93.0	92.7	91.9	90.6	88.7	86.3	83.4	79.9
67.5°	127.9	129.6	130.7	131.0	130.7	129.6	127.9	125.5	122.5	118.7	114.4
65°	171.9	174.2	175.5	176.0	175.5	174.2	171.9	168.7	164.6	159.7	153.9
62.5°	220.0	222.8	224.4	225.0	224.4	222.8	220.0	216.1	211.2	205.2	198.1
60°	268.5	271.5	273.4	274.0	273.4	271.5	268.5	264.2	258.7	252.0	244.2
57.5°	319.5	323.1	325.3	326.0	325.3	323.1	319.5	314.5	308.1	300.3	291.2
55°	366.6	370.1	372.3	373.0	372.3	370.1	366.6	361.6	355.2	347.5	338.5
52.5°	386.6	387.9	388.7	389.0	388.7	387.9	386.6	384.7	382.4	379.5	376.1
50°	423.3	427.0	429.2	430.0	429.2	427.0	423.3	418.1	411.5	403.4	394.1
47.5°	609.8	631.5	644.6	649.0	644.6	631.5	609.8	579.6	541.0	494.4	440.1
45°	817.2	839.8	853.4	858.0	853.4	839.8	817.2	785.8	745.8	697.4	640.8
42.5°	928.8	939.5	945.9	948.0	945.9	939.5	928.8	914.1	895.4	872.8	831.3
40°	1001.0	1009.8	1015.2	1017.0	1015.2	1009.8	1001.0	988.7	973.0	954.3	927.7
37.5°	1061.0	1069.3	1074.3	1076.0	1074.3	1069.3	1061.0	1049.6	1035.0	1017.6	994.0
35°	1107.1	1113.7	1117.7	1119.0	1117.7	1113.7	1107.1	1097.9	1086.4	1071.3	1049.4
32.5°	1148.2	1155.3	1159.6	1161.0	1159.6	1155.3	1148.2	1138.5	1126.2	1111.3	1094.0
30°	1176.3	1180.5	1183.1	1184.0	1183.1	1180.5	1176.3	1170.4	1163.1	1148.8	1130.5
27.5°	1259.5	1284.0	1299.0	1304.0	1299.0	1284.0	1259.5	1225.9	1184.0	1174.4	1163.5
25°	1764.0	1941.8	2050.5	2087.0	2050.5	1941.8	1764.0	1521.4	1291.0	1236.6	1182.3
22.5°	3511.9	4184.4	4597.0	4736.1	4597.0	4184.4	3511.9	2599.6	1905.2	1515.8	1269.3
20°	6755.5	7965.2	8711.7	8964.2	8711.7	7965.2	6755.5	5127.2	3731.0	2283.9	1668.3
17.5°	11762.2	14025.1	15433.0	15911.3	15433.0	14025.1	11762.2	8832.8	6610.9	4317.6	2560.5
15°	18978.1	22726.3	25086.2	25893.5	25086.2	22726.3	18978.1	14622.3	10539.0	7119.8	4317.6
12.5°	28071.3	33347.7	36731.5	37901.8	36731.5	33347.7	28071.3	22068.6	15614.1	10539.0	6610.9
10°	38010.5	44210.5	48306.9	49751.0	48306.9	44210.5	38010.5	30187.5	22068.6	14622.3	8832.8
7.5°	46947.9	54527.6	59716.7	61231.3	59716.7	54527.6	46947.9	38010.5	28071.3	18978.1	11762.2
5°	54527.6	62858.4	66688.4	67968.4	66688.4	62858.4	54527.6	44210.5	33347.7	22726.3	14025.1
2.5°	59716.7	66688.4	71462.3	74263.0	71462.3	66688.4	59716.7	48306.9	36731.5	25086.2	15433.0
0°	61231.3	67968.4	74263.0	78892.6	74263.0	67968.4	61231.3	49751.0	37901.8	25893.5	15911.3
-2.5°	59716.7	66688.4	71462.3	74263.0	71462.3	66688.4	59716.7	48306.9	36731.5	25086.2	15433.0
-5°	54527.6	62858.4	66688.4	67968.4	66688.4	62858.4	54527.6	44210.5	33347.7	22726.3	14025.1
-7.5°	46947.9	54527.6	59716.7	61231.3	59716.7	54527.6	46947.9	38010.5	28071.3	18978.1	11762.2
-10°	38010.5	44210.5	48306.9	49751.0	48306.9	44210.5	38010.5	30187.5	22068.6	14622.3	8832.8
-12.5°	28071.3	33347.7	36731.5	37901.8	36731.5	33347.7	28071.3	22068.6	15614.1	10539.0	6610.9
-15°	18978.1	22726.3	25086.2	25893.5	25086.2	22726.3	18978.1	14622.3	10539.0	7119.8	4317.6
-17.5°	11762.2	14025.1	15433.0	15911.3	15433.0	14025.1	11762.2	8832.8	6610.9	4317.6	2560.5
-20°	6755.5	7965.2	8711.7	8964.2	8711.7	7965.2	6755.5	5127.2	3731.0	2283.9	1668.3



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3511.9	4184.4	4597.0	4736.1	4597.0	4184.4	3511.9	2599.6	1905.2	1515.8	1269.3
-25°	1764.0	1941.8	2050.5	2087.0	2050.5	1941.8	1764.0	1521.4	1291.0	1236.6	1182.3
-27.5°	1259.5	1284.0	1299.0	1304.0	1299.0	1284.0	1259.5	1225.9	1184.0	1174.4	1163.5
-30°	1176.3	1180.5	1183.1	1184.0	1183.1	1180.5	1176.3	1170.4	1163.1	1148.8	1130.5
-32.5°	1148.2	1155.3	1159.6	1161.0	1159.6	1155.3	1148.2	1138.5	1126.2	1111.3	1094.0
-35°	1107.1	1113.7	1117.7	1119.0	1117.7	1113.7	1107.1	1097.9	1086.4	1071.3	1049.4
-37.5°	1061.0	1069.3	1074.3	1076.0	1074.3	1069.3	1061.0	1049.6	1035.0	1017.6	994.0
-40°	1001.0	1009.8	1015.2	1017.0	1015.2	1009.8	1001.0	988.7	973.0	954.3	927.7
-42.5°	928.8	939.5	945.9	948.0	945.9	939.5	928.8	914.1	895.4	872.8	831.3
-45°	817.2	839.8	853.4	858.0	853.4	839.8	817.2	785.8	745.8	697.4	640.8
-47.5°	609.8	631.5	644.6	649.0	644.6	631.5	609.8	579.6	541.0	494.4	440.1
-50°	423.3	427.0	429.2	430.0	429.2	427.0	423.3	418.1	411.5	403.4	394.1
-52.5°	386.6	387.9	388.7	389.0	388.7	387.9	386.6	384.7	382.4	379.5	376.1
-55°	366.6	370.1	372.3	373.0	372.3	370.1	366.6	361.6	355.2	347.5	338.5
-57.5°	319.5	323.1	325.3	326.0	325.3	323.1	319.5	314.5	308.1	300.3	291.2
-60°	268.5	271.5	273.4	274.0	273.4	271.5	268.5	264.2	258.7	252.0	244.2
-62.5°	220.0	222.8	224.4	225.0	224.4	222.8	220.0	216.1	211.2	205.2	198.1
-65°	171.9	174.2	175.5	176.0	175.5	174.2	171.9	168.7	164.6	159.7	153.9
-67.5°	127.9	129.6	130.7	131.0	130.7	129.6	127.9	125.5	122.5	118.7	114.4
-70°	90.6	91.9	92.7	93.0	92.7	91.9	90.6	88.7	86.3	83.4	79.9
-72.5°	57.3	58.2	58.8	59.0	58.8	58.2	57.3	55.9	54.2	52.1	49.7
-75°	30.2	30.6	30.9	31.0	30.9	30.6	30.2	29.6	28.8	27.9	26.7
-77.5°	15.7	15.9	16.0	16.0	16.0	15.9	15.7	15.5	15.2	14.8	14.4
-80°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.8	8.7	8.6	8.4
-82.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
-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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
82.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
80°	8.3	8.1	7.9	7.6	7.4	7.1	6.8	6.5	6.2	5.9	5.6
77.5°	13.9	13.3	12.7	12.0	11.2	10.5	9.6	8.9	8.5	8.0	7.6
75°	25.5	24.0	22.4	20.6	18.7	16.7	15.3	14.2	13.0	11.8	10.5
72.5°	46.8	43.7	40.1	36.3	32.1	29.1	26.6	23.8	20.9	17.9	15.4
70°	76.0	71.5	66.6	61.2	56.0	50.8	45.2	39.3	33.1	28.6	25.0
67.5°	109.4	103.7	97.5	90.9	84.2	77.1	69.5	61.4	53.9	46.5	38.8
65°	147.2	139.7	131.4	123.6	115.3	106.4	96.9	87.4	77.9	67.9	57.7
62.5°	190.0	180.9	171.3	161.2	150.3	138.5	126.8	115.6	103.9	91.7	80.2
60°	235.3	225.2	214.1	202.0	188.9	175.0	161.2	146.7	131.4	117.8	103.7
57.5°	280.7	269.3	257.2	243.9	229.5	214.1	197.8	180.5	163.5	146.1	128.4
55°	328.2	315.6	301.5	286.1	269.8	253.0	235.3	216.5	196.9	176.3	156.7
52.5°	371.0	358.4	344.5	329.4	311.8	292.6	272.3	252.0	230.8	208.7	185.7
50°	386.8	382.2	377.0	368.5	350.9	332.2	310.9	287.7	264.2	240.5	215.9
47.5°	420.3	407.4	393.2	384.6	378.2	368.0	346.7	324.1	298.3	271.5	245.3
45°	573.8	499.2	427.6	411.1	393.3	383.3	375.5	356.5	331.6	303.6	274.0
42.5°	762.1	685.3	598.9	503.7	424.8	404.6	386.8	378.1	361.5	334.0	303.6
40°	895.5	859.8	771.8	674.4	566.7	451.6	411.4	388.5	379.0	361.5	331.6
37.5°	967.4	934.9	893.1	835.1	724.1	605.0	476.6	413.7	388.5	378.1	356.5
35°	1024.8	994.4	960.0	915.7	864.7	749.2	617.9	476.6	411.4	386.8	375.5
32.5°	1074.2	1045.0	1012.9	973.6	927.1	870.3	749.2	605.0	451.6	404.6	383.3
30°	1109.9	1087.0	1057.4	1021.5	978.1	927.1	864.7	724.1	566.7	424.8	393.3
27.5°	1143.6	1119.6	1093.3	1061.5	1021.5	973.6	915.7	835.1	674.4	503.7	411.1
25°	1169.2	1150.2	1122.8	1093.3	1057.4	1012.9	960.0	893.1	771.8	598.9	427.6
22.5°	1195.8	1171.1	1150.2	1119.6	1087.0	1045.0	994.4	934.9	859.8	685.3	499.2
20°	1280.4	1195.8	1169.2	1143.6	1109.9	1074.2	1024.8	967.4	895.5	762.1	573.8
17.5°	1668.3	1269.3	1182.3	1163.5	1130.5	1094.0	1049.4	994.0	927.7	831.3	640.8
15°	2283.9	1515.8	1236.6	1174.4	1148.8	1111.3	1071.3	1017.6	954.3	872.8	697.4
12.5°	3731.0	1905.2	1291.0	1184.0	1163.1	1126.2	1086.4	1035.0	973.0	895.4	745.8
10°	5127.2	2599.6	1521.4	1225.9	1170.4	1138.5	1097.9	1049.6	988.7	914.1	785.8
7.5°	6755.5	3511.9	1764.0	1259.5	1176.3	1148.2	1107.1	1061.0	1001.0	928.8	817.2
5°	7965.2	4184.4	1941.8	1284.0	1180.5	1155.3	1113.7	1069.3	1009.8	939.5	839.8
2.5°	8711.7	4597.0	2050.5	1299.0	1183.1	1159.6	1117.7	1074.3	1015.2	945.9	853.4
0°	8964.2	4736.1	2087.0	1304.0	1184.0	1161.0	1119.0	1076.0	1017.0	948.0	858.0
-2.5°	8711.7	4597.0	2050.5	1299.0	1183.1	1159.6	1117.7	1074.3	1015.2	945.9	853.4
-5°	7965.2	4184.4	1941.8	1284.0	1180.5	1155.3	1113.7	1069.3	1009.8	939.5	839.8
-7.5°	6755.5	3511.9	1764.0	1259.5	1176.3	1148.2	1107.1	1061.0	1001.0	928.8	817.2
-10°	5127.2	2599.6	1521.4	1225.9	1170.4	1138.5	1097.9	1049.6	988.7	914.1	785.8
-12.5°	3731.0	1905.2	1291.0	1184.0	1163.1	1126.2	1086.4	1035.0	973.0	895.4	745.8
-15°	2283.9	1515.8	1236.6	1174.4	1148.8	1111.3	1071.3	1017.6	954.3	872.8	697.4
-17.5°	1668.3	1269.3	1182.3	1163.5	1130.5	1094.0	1049.4	994.0	927.7	831.3	640.8
-20°	1280.4	1195.8	1169.2	1143.6	1109.9	1074.2	1024.8	967.4	895.5	762.1	573.8





REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1195.8	1171.1	1150.2	1119.6	1087.0	1045.0	994.4	934.9	859.8	685.3	499.2
-25°	1169.2	1150.2	1122.8	1093.3	1057.4	1012.9	960.0	893.1	771.8	598.9	427.6
-27.5°	1143.6	1119.6	1093.3	1061.5	1021.5	973.6	915.7	835.1	674.4	503.7	411.1
-30°	1109.9	1087.0	1057.4	1021.5	978.1	927.1	864.7	724.1	566.7	424.8	393.3
-32.5°	1074.2	1045.0	1012.9	973.6	927.1	870.3	749.2	605.0	451.6	404.6	383.3
-35°	1024.8	994.4	960.0	915.7	864.7	749.2	617.9	476.6	411.4	386.8	375.5
-37.5°	967.4	934.9	893.1	835.1	724.1	605.0	476.6	413.7	388.5	378.1	356.5
-40°	895.5	859.8	771.8	674.4	566.7	451.6	411.4	388.5	379.0	361.5	331.6
-42.5°	762.1	685.3	598.9	503.7	424.8	404.6	386.8	378.1	361.5	334.0	303.6
-45°	573.8	499.2	427.6	411.1	393.3	383.3	375.5	356.5	331.6	303.6	274.0
-47.5°	420.3	407.4	393.2	384.6	378.2	368.0	346.7	324.1	298.3	271.5	245.3
-50°	386.8	382.2	377.0	368.5	350.9	332.2	310.9	287.7	264.2	240.5	215.9
-52.5°	371.0	358.4	344.5	329.4	311.8	292.6	272.3	252.0	230.8	208.7	185.7
-55°	328.2	315.6	301.5	286.1	269.8	253.0	235.3	216.5	196.9	176.3	156.7
-57.5°	280.7	269.3	257.2	243.9	229.5	214.1	197.8	180.5	163.5	146.1	128.4
-60°	235.3	225.2	214.1	202.0	188.9	175.0	161.2	146.7	131.4	117.8	103.7
-62.5°	190.0	180.9	171.3	161.2	150.3	138.5	126.8	115.6	103.9	91.7	80.2
-65°	147.2	139.7	131.4	123.6	115.3	106.4	96.9	87.4	77.9	67.9	57.7
-67.5°	109.4	103.7	97.5	90.9	84.2	77.1	69.5	61.4	53.9	46.5	38.8
-70°	76.0	71.5	66.6	61.2	56.0	50.8	45.2	39.3	33.1	28.6	25.0
-72.5°	46.8	43.7	40.1	36.3	32.1	29.1	26.6	23.8	20.9	17.9	15.4
-75°	25.5	24.0	22.4	20.6	18.7	16.7	15.3	14.2	13.0	11.8	10.5
-77.5°	13.9	13.3	12.7	12.0	11.2	10.5	9.6	8.9	8.5	8.0	7.6
-80°	8.3	8.1	7.9	7.6	7.4	7.1	6.8	6.5	6.2	5.9	5.6
-82.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-85°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-87.5°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
85°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
82.5°	4.0	3.9	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.0	1.8
80°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.0	2.7	2.4
77.5°	7.1	6.6	6.1	5.7	5.3	5.0	4.6	4.2	3.8	3.4	3.0
75°	9.2	8.5	7.9	7.2	6.6	5.9	5.5	5.0	4.5	4.1	3.6
72.5°	13.8	12.2	10.5	8.9	8.2	7.4	6.6	5.8	5.3	4.7	4.2
70°	21.2	17.2	14.6	12.7	10.6	8.8	7.9	7.0	6.0	5.4	4.7
67.5°	30.9	26.4	21.8	17.1	14.2	11.9	9.5	8.2	7.1	6.0	5.3
65°	48.8	39.5	30.5	25.2	19.7	15.2	12.5	9.8	8.2	7.0	5.8
62.5°	68.2	56.4	45.8	35.0	27.2	21.1	15.5	12.5	9.5	7.9	6.6
60°	89.5	76.0	62.0	49.7	37.5	27.9	21.1	15.2	11.9	8.8	7.4
57.5°	112.5	96.1	80.7	65.1	50.9	37.5	27.2	19.7	14.2	10.6	8.2
55°	136.4	117.8	99.6	82.2	65.1	49.7	35.0	25.2	17.1	12.7	8.9
52.5°	163.1	140.6	119.6	99.6	80.7	62.0	45.8	30.5	21.8	14.6	10.5
50°	190.5	165.3	140.6	117.8	96.1	76.0	56.4	39.5	26.4	17.2	12.2
47.5°	218.3	190.5	163.1	136.4	112.5	89.5	68.2	48.8	30.9	21.2	13.8
45°	245.3	215.9	185.7	156.7	128.4	103.7	80.2	57.7	38.8	25.0	15.4
42.5°	271.5	240.5	208.7	176.3	146.1	117.8	91.7	67.9	46.5	28.6	17.9
40°	298.3	264.2	230.8	196.9	163.5	131.4	103.9	77.9	53.9	33.1	20.9
37.5°	324.1	287.7	252.0	216.5	180.5	146.7	115.6	87.4	61.4	39.3	23.8
35°	346.7	310.9	272.3	235.3	197.8	161.2	126.8	96.9	69.5	45.2	26.6
32.5°	368.0	332.2	292.6	253.0	214.1	175.0	138.5	106.4	77.1	50.8	29.1
30°	378.2	350.9	311.8	269.8	229.5	188.9	150.3	115.3	84.2	56.0	32.1
27.5°	384.6	368.5	329.4	286.1	243.9	202.0	161.2	123.6	90.9	61.2	36.3
25°	393.2	377.0	344.5	301.5	257.2	214.1	171.3	131.4	97.5	66.6	40.1
22.5°	407.4	382.2	358.4	315.6	269.3	225.2	180.9	139.7	103.7	71.5	43.7
20°	420.3	386.8	371.0	328.2	280.7	235.3	190.0	147.2	109.4	76.0	46.8
17.5°	440.1	394.1	376.1	338.5	291.2	244.2	198.1	153.9	114.4	79.9	49.7
15°	494.4	403.4	379.5	347.5	300.3	252.0	205.2	159.7	118.7	83.4	52.1
12.5°	541.0	411.5	382.4	355.2	308.1	258.7	211.2	164.6	122.5	86.3	54.2
10°	579.6	418.1	384.7	361.6	314.5	264.2	216.1	168.7	125.5	88.7	55.9
7.5°	609.8	423.3	386.6	366.6	319.5	268.5	220.0	171.9	127.9	90.6	57.3
5°	631.5	427.0	387.9	370.1	323.1	271.5	222.8	174.2	129.6	91.9	58.2
2.5°	644.6	429.2	388.7	372.3	325.3	273.4	224.4	175.5	130.7	92.7	58.8
0°	649.0	430.0	389.0	373.0	326.0	274.0	225.0	176.0	131.0	93.0	59.0
-2.5°	644.6	429.2	388.7	372.3	325.3	273.4	224.4	175.5	130.7	92.7	58.8
-5°	631.5	427.0	387.9	370.1	323.1	271.5	222.8	174.2	129.6	91.9	58.2
-7.5°	609.8	423.3	386.6	366.6	319.5	268.5	220.0	171.9	127.9	90.6	57.3
-10°	579.6	418.1	384.7	361.6	314.5	264.2	216.1	168.7	125.5	88.7	55.9
-12.5°	541.0	411.5	382.4	355.2	308.1	258.7	211.2	164.6	122.5	86.3	54.2
-15°	494.4	403.4	379.5	347.5	300.3	252.0	205.2	159.7	118.7	83.4	52.1
-17.5°	440.1	394.1	376.1	338.5	291.2	244.2	198.1	153.9	114.4	79.9	49.7
-20°	420.3	386.8	371.0	328.2	280.7	235.3	190.0	147.2	109.4	76.0	46.8



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	407.4	382.2	358.4	315.6	269.3	225.2	180.9	139.7	103.7	71.5	43.7
-25°	393.2	377.0	344.5	301.5	257.2	214.1	171.3	131.4	97.5	66.6	40.1
-27.5°	384.6	368.5	329.4	286.1	243.9	202.0	161.2	123.6	90.9	61.2	36.3
-30°	378.2	350.9	311.8	269.8	229.5	188.9	150.3	115.3	84.2	56.0	32.1
-32.5°	368.0	332.2	292.6	253.0	214.1	175.0	138.5	106.4	77.1	50.8	29.1
-35°	346.7	310.9	272.3	235.3	197.8	161.2	126.8	96.9	69.5	45.2	26.6
-37.5°	324.1	287.7	252.0	216.5	180.5	146.7	115.6	87.4	61.4	39.3	23.8
-40°	298.3	264.2	230.8	196.9	163.5	131.4	103.9	77.9	53.9	33.1	20.9
-42.5°	271.5	240.5	208.7	176.3	146.1	117.8	91.7	67.9	46.5	28.6	17.9
-45°	245.3	215.9	185.7	156.7	128.4	103.7	80.2	57.7	38.8	25.0	15.4
-47.5°	218.3	190.5	163.1	136.4	112.5	89.5	68.2	48.8	30.9	21.2	13.8
-50°	190.5	165.3	140.6	117.8	96.1	76.0	56.4	39.5	26.4	17.2	12.2
-52.5°	163.1	140.6	119.6	99.6	80.7	62.0	45.8	30.5	21.8	14.6	10.5
-55°	136.4	117.8	99.6	82.2	65.1	49.7	35.0	25.2	17.1	12.7	8.9
-57.5°	112.5	96.1	80.7	65.1	50.9	37.5	27.2	19.7	14.2	10.6	8.2
-60°	89.5	76.0	62.0	49.7	37.5	27.9	21.1	15.2	11.9	8.8	7.4
-62.5°	68.2	56.4	45.8	35.0	27.2	21.1	15.5	12.5	9.5	7.9	6.6
-65°	48.8	39.5	30.5	25.2	19.7	15.2	12.5	9.8	8.2	7.0	5.8
-67.5°	30.9	26.4	21.8	17.1	14.2	11.9	9.5	8.2	7.1	6.0	5.3
-70°	21.2	17.2	14.6	12.7	10.6	8.8	7.9	7.0	6.0	5.4	4.7
-72.5°	13.8	12.2	10.5	8.9	8.2	7.4	6.6	5.8	5.3	4.7	4.2
-75°	9.2	8.5	7.9	7.2	6.6	5.9	5.5	5.0	4.5	4.1	3.6
-77.5°	7.1	6.6	6.1	5.7	5.3	5.0	4.6	4.2	3.8	3.4	3.0
-80°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.0	2.7	2.4
-82.5°	4.0	3.9	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.0	1.8
-85°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-87.5°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
-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: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**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°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
77.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
75°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
72.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
70°	4.1	3.4	2.7	2.0	1.4	0.7	0.0
67.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
65°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
62.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
60°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
57.5°	6.6	5.3	4.3	3.2	2.1	1.1	0.0
55°	7.2	5.7	4.6	3.4	2.3	1.1	0.0
52.5°	7.9	6.1	4.9	3.6	2.4	1.2	0.0
50°	8.5	6.6	5.1	3.9	2.6	1.3	0.0
47.5°	9.2	7.1	5.4	4.0	2.7	1.4	0.0
45°	10.5	7.6	5.6	4.2	2.8	1.4	0.0
42.5°	11.8	8.0	5.9	4.4	2.9	1.5	0.0
40°	13.0	8.5	6.2	4.6	3.1	1.5	0.0
37.5°	14.2	8.9	6.5	4.8	3.2	1.6	0.0
35°	15.3	9.6	6.8	4.9	3.3	1.6	0.0
32.5°	16.7	10.5	7.1	5.1	3.4	1.7	0.0
30°	18.7	11.2	7.4	5.2	3.5	1.7	0.0
27.5°	20.6	12.0	7.6	5.3	3.5	1.8	0.0
25°	22.4	12.7	7.9	5.4	3.6	1.8	0.0
22.5°	24.0	13.3	8.1	5.5	3.7	1.8	0.0
20°	25.5	13.9	8.3	5.6	3.8	1.9	0.0
17.5°	26.7	14.4	8.4	5.7	3.8	1.9	0.0
15°	27.9	14.8	8.6	5.8	3.9	1.9	0.0
12.5°	28.8	15.2	8.7	5.9	3.9	2.0	0.0
10°	29.6	15.5	8.8	5.9	3.9	2.0	0.0
7.5°	30.2	15.7	8.9	5.9	4.0	2.0	0.0
5°	30.6	15.9	9.0	6.0	4.0	2.0	0.0
2.5°	30.9	16.0	9.0	6.0	4.0	2.0	0.0
0°	31.0	16.0	9.0	6.0	4.0	2.0	0.0
-2.5°	30.9	16.0	9.0	6.0	4.0	2.0	0.0
-5°	30.6	15.9	9.0	6.0	4.0	2.0	0.0
-7.5°	30.2	15.7	8.9	5.9	4.0	2.0	0.0
-10°	29.6	15.5	8.8	5.9	3.9	2.0	0.0
-12.5°	28.8	15.2	8.7	5.9	3.9	2.0	0.0
-15°	27.9	14.8	8.6	5.8	3.9	1.9	0.0
-17.5°	26.7	14.4	8.4	5.7	3.8	1.9	0.0
-20°	25.5	13.9	8.3	5.6	3.8	1.9	0.0



REPORT NUMBER: P640287 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08PR-500PL-RGB-2S\_ALL ON

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.0	13.3	8.1	5.5	3.7	1.8	0.0
-25°	22.4	12.7	7.9	5.4	3.6	1.8	0.0
-27.5°	20.6	12.0	7.6	5.3	3.5	1.8	0.0
-30°	18.7	11.2	7.4	5.2	3.5	1.7	0.0
-32.5°	16.7	10.5	7.1	5.1	3.4	1.7	0.0
-35°	15.3	9.6	6.8	4.9	3.3	1.6	0.0
-37.5°	14.2	8.9	6.5	4.8	3.2	1.6	0.0
-40°	13.0	8.5	6.2	4.6	3.1	1.5	0.0
-42.5°	11.8	8.0	5.9	4.4	2.9	1.5	0.0
-45°	10.5	7.6	5.6	4.2	2.8	1.4	0.0
-47.5°	9.2	7.1	5.4	4.0	2.7	1.4	0.0
-50°	8.5	6.6	5.1	3.9	2.6	1.3	0.0
-52.5°	7.9	6.1	4.9	3.6	2.4	1.2	0.0
-55°	7.2	5.7	4.6	3.4	2.3	1.1	0.0
-57.5°	6.6	5.3	4.3	3.2	2.1	1.1	0.0
-60°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
-62.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
-65°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-67.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-70°	4.1	3.4	2.7	2.0	1.4	0.7	0.0
-72.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-75°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
-77.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
-80°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-87.5°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)